

LEDS C4²

Luminaire

Code 05-9814-14-CMV2
Name KÖSSEL

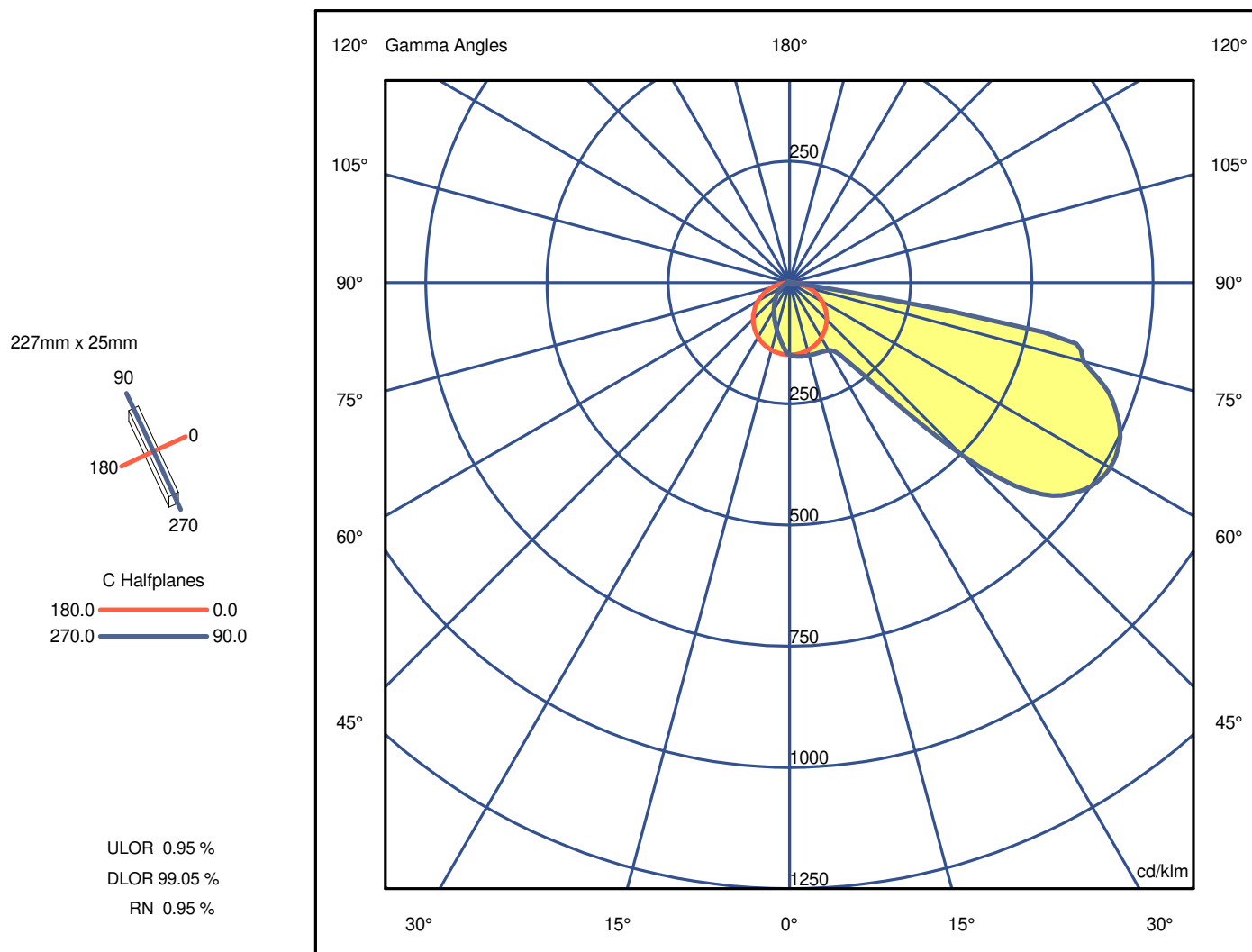
Measurum.

Code 05-9814-14-CMV2
Name KÖSSEL

Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical
Rectangular Luminaire Rectangular Luminous Area	Length Length	227 mm 227 mm	Width Width	25 mm 25 mm	Height Height	79 mm 79 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.005675 m2 0.017933 m2 0.001975 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°	0.017933 m2 0.001975 m2 0.018773 m2			
Coordinate system Date Measurement Distance	CG 14-01-2015 0.00		Symmetry Type Maximum Gamma Angle Measurement Flux	Asymmetrical 180 100.80 lm			
Operator Temperature Humidity Notes	25.00 °C 60.00 %		Rated Voltage Rated Current Photocell				

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	05-9814-14-CMV2	LED	90.72	2.40	1
C.I.E. F UTE	20 50 88 99 100 0.99 J + 0.01 T	D DIN 5040 B NBN	A11 BZ 9 / 1 / BZ 8 / 2 / BZ 7 / 3 / BZ 6		



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Measurement

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Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminous Intensity Table cd/klm Table 2/6

	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 0.0	148.81	148.61	148.51	148.51	148.31	148.51	148.41	148.91	149.01	149.21	149.40
G 1.0	148.51	148.12	147.72	148.02	147.32	147.52	147.32	147.82	148.12	148.51	149.11
G 2.0	147.92	147.52	146.83	146.63	145.93	146.03	146.13	146.92	147.32	147.92	148.61
G 3.0	147.32	146.92	145.73	144.05	142.86	142.56	142.56	144.64	146.33	147.32	148.21
G 4.0	146.92	146.13	143.15	140.18	138.59	138.19	138.99	140.97	143.95	146.53	147.72
G 5.0	146.53	144.54	139.98	136.81	134.92	134.23	135.32	137.40	140.97	145.44	147.42
G 6.0	146.13	142.26	137.00	133.33	131.15	130.36	131.35	133.93	137.80	143.35	146.83
G 7.0	145.63	139.98	133.93	130.46	127.48	126.88	127.88	130.56	134.82	141.07	146.13
G 8.0	145.14	137.60	131.05	126.69	124.31	123.31	124.40	127.38	132.04	138.69	145.73
G 9.0	144.05	135.22	128.17	123.51	120.73	119.94	120.93	124.01	129.07	136.41	144.94
G 10.0	142.66	132.84	125.50	120.24	117.36	116.47	117.86	120.83	126.39	134.13	143.95
G 11.0	140.48	130.75	122.72	117.46	114.19	113.29	114.38	117.76	123.71	131.94	142.66
G 12.0	139.78	128.47	120.14	114.38	111.11	110.22	111.31	115.08	121.23	129.66	141.17
G 13.0	137.90	126.09	117.56	111.51	107.84	107.14	108.23	112.10	119.15	127.38	139.58
G 14.0	136.31	124.11	114.98	108.63	105.06	104.17	105.26	109.23	115.77	125.20	138.00
G 15.0	134.52	121.83	112.30	105.75	102.08	101.09	102.28	106.55	113.19	122.82	136.41
G 16.0	132.94	119.44	109.92	102.98	99.21	98.12	99.40	103.57	110.22	120.73	134.82
G 17.0	131.25	117.46	107.34	100.50	96.43	95.34	96.53	100.89	108.13	118.55	133.13
G 18.0	129.66	115.28	104.76	97.62	93.55	92.56	93.95	98.31	105.46	116.47	131.25
G 19.0	127.78	113.00	102.28	94.94	91.07	89.98	91.07	95.54	102.98	114.29	129.46
G 20.0	126.19	110.91	99.90	92.46	88.39	87.20	88.59	93.15	100.60	112.00	127.58
G 21.0	124.31	108.73	97.42	90.08	85.81	84.62	86.11	90.58	98.31	109.72	125.79
G 22.0	122.42	106.55	95.14	87.60	83.33	82.04	83.63	88.10	95.63	107.54	124.31
G 23.0	120.73	104.27	92.66	85.22	80.85	79.66	81.05	85.62	93.25	105.36	123.61
G 24.0	118.95	102.08	90.48	82.84	78.67	77.38	78.77	83.33	91.07	103.08	120.44
G 25.0	117.26	99.80	88.10	80.56	76.29	75.10	76.39	80.85	88.59	100.79	118.45
G 26.0	114.98	97.52	85.91	78.27	73.91	72.62	74.11	78.57	86.31	98.51	116.57
G 27.0	113.19	95.34	83.63	75.99	71.83	70.54	72.02	76.29	84.13	96.43	114.38
G 28.0	111.31	93.25	81.55	73.91	69.54	68.35	69.84	74.21	81.94	94.25	112.90
G 29.0	109.52	91.07	79.27	71.63	67.56	66.37	67.76	71.92	79.86	92.06	111.31
G 30.0	107.44	88.89	77.18	69.64	65.48	64.29	65.77	70.04	77.58	89.98	108.93
G 31.0	105.46	86.81	74.90	67.56	63.49	62.30	63.59	67.86	75.40	87.70	106.85
G 32.0	103.37	84.62	72.92	65.58	61.51	60.32	61.61	65.77	73.21	85.52	104.86
G 33.0	101.39	82.54	70.83	63.69	59.62	58.43	59.62	63.69	71.13	83.43	102.98
G 34.0	99.40	80.46	68.75	61.61	57.74	56.45	57.84	61.81	69.05	81.45	100.79
G 35.0	97.32	78.37	66.67	59.72	55.95	54.76	55.95	59.92	66.96	79.17	98.71
G 36.0	95.24	76.29	64.78	57.94	54.17	52.98	54.27	58.13	64.98	77.08	95.44
G 37.0	93.15	74.01	62.60	56.05	52.38	51.19	52.48	56.15	63.10	74.90	94.64
G 38.0	90.97	71.92	60.91	54.27	50.69	49.50	50.69	54.37	61.01	72.62	92.66
G 39.0	88.99	69.94	58.83	52.48	48.91	47.82	49.01	52.68	59.23	70.54	90.77
G 40.0	86.90	67.86	57.04	50.89	47.32	46.23	47.42	50.99	57.24	67.56	88.29
G 41.0	84.62	65.97	55.26	49.11	45.73	44.64	45.73	49.21	55.56	66.57	86.01
G 42.0	82.54	63.89	53.47	47.42	44.05	42.96	44.15	47.52	53.57	64.48	83.73
G 43.0	80.46	61.90	51.59	45.83	42.46	41.47	42.66	45.93	51.88	62.50	81.55
G 44.0	78.08	59.92	49.90	44.15	40.97	39.98	41.07	44.25	50.00	60.42	79.37
G 45.0	76.09	58.04	48.12	42.46	39.48	38.49	39.68	42.66	48.41	58.53	77.08
G 46.0	73.91	55.95	46.53	41.07	38.10	37.00	38.10	41.17	46.73	56.55	75.00
G 47.0	71.63	54.07	44.74	39.58	36.51	35.52	36.61	39.58	44.84	54.46	72.82
G 48.0	69.44	52.18	43.15	38.10	35.22	34.23	35.22	38.10	43.15	52.58	70.34
G 49.0	67.26	50.40	41.57	36.51	33.93	32.84	33.83	36.61	41.57	50.69	68.25
G 50.0	64.98	48.41	40.08	35.02	32.44	31.55	32.34	35.22	39.88	48.81	65.97
G 51.0	62.90	46.63	38.39	33.73	31.15	30.26	30.65	33.73	38.39	46.92	63.59
G 52.0	60.52	44.74	36.90	32.34	29.76	28.97	29.96	32.34	36.81	45.04	60.62
G 53.0	58.53	43.06	35.32	30.95	28.67	27.68	28.47	30.95	35.32	43.25	59.23
G 54.0	56.25	41.37	33.83	29.76	27.28	26.49	27.28	29.66	33.83	41.47	57.04
G 55.0	54.17	39.58	32.34	28.27	26.09	25.30	26.09	28.37	32.34	39.58	55.26
G 56.0	51.88	37.80	30.95	27.08	24.90	24.01	24.80	26.98	30.85	37.90	52.58
G 57.0	49.80	36.21	29.56	25.79	23.71	22.92	23.51	25.79	29.56	36.21	50.30
G 58.0	47.62	34.42	28.08	24.70	22.52	21.73	22.62	24.60	28.17	34.52	48.21
G 59.0	45.44	32.94	26.88	23.51	21.53	20.73	21.53	23.31	26.79	32.84	45.93
G 60.0	43.35	31.35	25.60	22.32	20.34	19.64	20.34	22.22	25.40	31.15	43.85
G 61.0	41.37	29.56	24.21	21.13	19.35	18.65	19.44	21.03	24.11	29.66	41.67
G 62.0	39.19	28.08	22.92	20.04	18.25	17.56	18.35	19.94	22.82	28.17	39.68
G 63.0	37.30	26.59	21.73	19.05	17.26	16.57	17.26	18.85	21.63	26.59	37.50
G 64.0	35.22	25.30	20.54	17.96	16.37	15.67	16.37	17.86	20.44	25.20	35.42
G 65.0	33.23	23.71	19.35	16.96	15.38	14.68	15.38	16.77	19.25	23.71	33.43
G 66.0	31.35	22.32	18.25	15.87	14.38	13.89	14.78	15.77	18.06	22.22	31.55
G 67.0	29.37	21.03	17.26	14.98	13.59	13.00	13.49	14.88	17.06	20.83	29.56
G 68.0	27.58	19.64	16.17	13.99	12.80	12.10	12.70	13.99	15.97	19.54	27.68
G 69.0	25.89	18.45	15.18	13.19	12.00	11.41	11.90	13.10	14.98	18.35	25.89
G 70.0	24.11	17.26	14.09	12.30	11.11	10.62	11.11	12.20	13.99	17.16	24.11
G 71.0	22.32	16.07	13.19	11.51	10.42	9.92	10.32	11.51	13.00	15.87	22.32
G 72.0	20.73	14.88	12.30	10.81	9.72	9.23	9.42	10.71	12.00	14.78	20.73

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Measurem.

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Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminous Intensity Table cd/klm Table 4/6

	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 73.0	19.15	13.79	11.41	9.92	9.03	8.63	9.03	9.92	11.31	13.59	19.15
G 74.0	17.56	12.70	10.52	9.23	8.43	7.94	8.33	9.23	10.42	12.50	17.56
G 75.0	16.17	11.71	9.82	8.63	7.74	7.44	7.74	8.53	9.62	11.61	16.07
G 76.0	14.68	10.71	9.13	7.94	7.24	6.85	7.24	7.84	8.83	10.52	14.58
G 77.0	13.29	9.82	8.33	7.34	6.65	6.25	7.14	7.24	8.13	9.62	13.19
G 78.0	12.10	8.93	7.54	6.75	6.15	5.75	6.05	6.65	7.44	8.73	11.90
G 79.0	10.81	8.04	6.85	6.15	5.56	5.26	5.56	6.15	6.75	7.94	10.71
G 80.0	9.62	7.34	6.25	5.65	5.16	4.86	5.16	5.66	6.15	7.14	9.52
G 81.0	8.63	6.45	5.65	5.16	4.76	4.46	4.66	5.16	5.56	6.35	8.33
G 82.0	7.44	5.75	5.16	4.66	4.37	4.07	4.37	4.66	4.96	5.56	7.34
G 83.0	6.55	5.16	4.56	4.27	3.97	3.77	3.97	4.37	4.46	4.96	6.35
G 84.0	5.56	4.37	4.07	3.87	3.67	3.37	3.57	4.27	3.97	4.37	5.46
G 85.0	4.66	3.87	3.57	3.47	3.27	3.17	3.27	3.47	3.57	3.77	4.56
G 86.0	3.87	3.17	3.17	3.17	2.98	2.88	2.98	2.98	3.08	3.17	3.67
G 87.0	3.08	2.68	2.68	2.78	2.78	2.68	2.78	2.78	2.68	2.58	2.88
G 88.0	2.28	2.18	2.28	2.48	2.68	2.58	2.58	2.08	2.28	1.98	2.08
G 89.0	1.49	1.69	1.98	2.28	2.38	2.38	2.28	2.28	1.98	1.59	1.29
G 90.0	0.89	1.39	1.79	2.18	2.28	2.38	2.28	2.18	1.79	1.29	0.79
G 91.0	0.89	1.39	1.88	2.28	2.38	2.48	2.38	2.28	1.88	1.29	0.89
G 92.0	0.99	1.39	1.98	2.38	2.48	2.58	2.48	2.48	1.98	1.39	0.89
G 93.0	0.99	1.49	2.08	2.48	2.68	2.78	2.68	3.08	1.98	1.49	0.89
G 94.0	0.99	1.59	2.08	2.68	2.88	2.88	2.78	2.58	2.08	1.49	0.99
G 95.0	0.99	1.59	2.28	2.68	2.98	2.98	2.88	2.68	2.18	1.59	0.99
G 96.0	0.99	1.69	2.28	2.88	3.08	3.17	3.08	2.78	2.28	1.59	0.99
G 97.0	1.09	1.59	2.38	2.98	3.17	3.27	3.17	2.88	2.28	1.69	1.09
G 98.0	0.79	1.69	2.48	3.08	3.27	3.37	3.27	2.98	2.48	1.69	1.09
G 99.0	1.19	1.79	2.48	3.08	3.47	3.57	3.37	3.08	2.78	1.69	1.09
G100.0	1.19	1.88	2.58	3.27	3.47	3.67	3.47	3.17	2.48	1.79	1.19
G101.0	1.29	1.79	2.58	3.27	3.67	3.87	3.57	3.17	2.58	1.79	1.19
G102.0	1.98	1.88	2.58	3.27	3.67	3.87	3.77	3.27	2.48	1.88	1.19
G103.0	1.29	1.88	2.68	3.27	3.87	3.87	3.87	3.37	2.48	1.88	1.29
G104.0	1.29	1.98	2.58	3.37	3.87	4.07	3.87	3.37	2.58	1.88	1.29
G105.0	1.29	1.98	2.78	3.47	3.97	4.17	3.87	3.37	2.58	1.88	1.29
G106.0	1.39	1.98	2.78	3.47	3.97	4.17	3.97	3.47	2.58	1.98	1.39
G107.0	1.39	2.08	2.78	3.57	4.07	4.27	3.97	3.57	2.58	1.98	1.39
G108.0	1.39	2.08	2.78	3.57	4.07	4.37	4.07	3.47	2.28	2.08	1.39
G109.0	1.49	2.08	2.78	3.57	4.07	4.37	4.07	3.57	2.68	1.98	1.39
G110.0	1.49	1.98	2.78	3.57	4.07	4.46	4.07	3.57	2.68	2.08	1.39
G111.0	1.39	2.08	2.78	3.57	4.17	4.37	4.17	3.47	2.78	2.08	1.49
G112.0	1.49	1.59	2.88	3.57	4.07	4.37	4.07	3.47	2.78	2.08	1.49
G113.0	1.49	2.08	2.78	3.57	4.17	4.37	3.97	3.47	2.88	2.08	1.49
G114.0	1.49	2.18	2.88	3.57	4.07	4.37	3.97	3.47	2.78	2.08	1.49
G115.0	1.49	2.18	2.78	3.57	4.07	4.37	4.07	3.57	2.78	2.08	1.49
G116.0	1.59	2.18	2.88	3.57	4.17	4.37	4.17	3.57	2.78	2.18	1.49
G117.0	1.49	2.18	2.78	3.57	4.17	4.37	4.17	3.57	2.78	2.18	1.59
G118.0	1.49	2.18	2.88	3.57	4.07	4.37	4.17	3.57	2.78	2.18	1.69
G119.0	1.59	2.38	2.88	3.67	4.07	4.37	4.07	3.57	2.78	2.28	1.59
G120.0	1.59	2.18	2.88	3.57	4.07	4.27	4.07	3.47	2.78	2.28	1.69
G121.0	1.59	2.18	2.88	3.57	4.17	3.37	4.07	3.57	2.88	2.28	1.59
G122.0	1.59	2.08	2.78	3.57	4.07	4.37	4.07	3.47	2.78	2.28	1.69
G123.0	1.59	2.18	2.68	3.47	3.97	4.37	3.97	3.47	2.88	2.28	1.79
G124.0	1.59	2.08	2.78	3.47	4.07	4.27	3.87	3.47	2.78	2.28	1.69
G125.0	1.49	2.08	2.68	3.47	3.97	4.27	3.97	3.37	2.78	2.28	1.69
G126.0	1.49	2.08	2.68	3.27	3.87	4.17	3.87	3.47	2.78	2.28	1.69
G127.0	1.49	2.08	2.68	3.27	3.77	4.17	3.77	3.27	2.78	2.28	1.69
G128.0	1.49	2.08	2.68	3.27	3.77	4.07	3.77	3.27	2.78	2.28	1.69
G129.0	1.49	2.08	2.58	3.27	3.77	3.97	3.77	3.27	2.78	2.28	1.69
G130.0	1.19	2.08	2.68	3.27	3.67	3.97	3.67	3.17	2.68	2.28	1.69
G131.0	1.49	1.98	2.58	3.08	3.57	3.87	3.57	3.17	2.68	2.28	1.69
G132.0	1.49	2.08	2.48	3.08	3.47	3.87	3.47	3.08	2.68	2.28	1.69
G133.0	1.49	2.08	2.48	2.98	3.47	4.56	3.47	3.08	2.68	2.28	1.59
G134.0	1.49	1.98	2.48	2.98	3.37	3.57	3.37	2.98	2.58	2.18	1.59
G135.0	1.49	1.98	2.48	2.98	3.27	3.47	3.27	2.88	2.48	2.28	1.69
G136.0	1.49	1.98	2.48	2.78	3.27	3.37	3.08	2.88	2.48	2.18	1.59
G137.0	1.59	1.88	2.38	2.78	3.08	3.27	3.08	2.78	2.48	2.08	1.59
G138.0	2.48	1.98	2.38	2.78	3.08	3.27	3.08	2.78	2.58	2.18	1.49
G139.0	1.39	1.88	2.38	2.68	2.98	3.17	2.98	2.68	2.48	2.08	1.49
G140.0	1.39	1.88	2.28	2.68	2.98	3.08	2.88	2.68	2.48	2.08	1.49
G141.0	1.39	1.79	2.28	2.58	2.88	3.08	2.88	2.68	2.38	2.08	1.49
G142.0	1.49	1.79	2.18	2.58	2.88	2.98	2.88	2.68	2.38	1.98	1.49
G143.0	1.39	1.79	2.08	2.48	2.78	2.88	2.78	2.58	2.28	2.08	1.39
G144.0	1.49	1.69	2.08	2.48	2.68	2.88	2.78	2.58	2.38	2.48	1.39
G145.0	1.39	1.69	1.98	2.48	2.68	2.78	2.68	2.58	2.28	1.88	1.39

LEDS C4[®]

Luminaire

Code 05-9814-14-CMV2
Name KÖSSEL

Measurement

Code 05-9814-14-CMV2
Name KÖSSEL

Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminous Intensity Table cd/klm Table 5/6

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00	C 180.00
G146.0	1.19	1.09	0.89	0.89	0.79	0.79	0.89	0.89	0.79	0.79	0.99	0.99	1.19
G147.0	1.19	0.99	0.99	0.79	0.79	0.79	0.79	0.79	0.79	0.89	0.99	1.09	1.19
G148.0	1.19	0.99	0.89	0.89	0.89	0.79	0.89	0.89	0.79	0.89	1.09	1.09	1.19
G149.0	1.19	1.09	0.99	0.89	0.89	0.89	0.89	0.89	0.89	0.99	0.99	1.09	1.19
G150.0	1.19	0.99	0.99	0.89	0.99	0.89	0.99	0.89	0.89	0.89	1.09	1.09	1.29
G151.0	1.19	1.09	1.09	0.89	0.89	0.89	0.89	0.89	0.89	0.99	1.09	1.19	1.29
G152.0	1.39	1.09	0.99	0.99	0.99	0.89	0.99	0.89	0.99	0.99	0.99	1.59	1.19
G153.0	1.19	1.09	0.99	0.99	0.99	0.99	0.99	0.89	0.89	0.99	1.09	1.29	1.19
G154.0	1.29	1.19	1.09	0.99	0.99	1.09	0.99	0.99	0.99	1.09	1.09	1.29	1.19
G155.0	1.19	1.19	1.29	1.09	0.99	0.99	0.99	0.99	0.99	0.99	1.19	0.69	1.29
G156.0	1.29	1.09	1.19	1.09	1.09	1.09	1.09	0.99	0.99	0.69	1.09	1.09	1.29
G157.0	1.29	1.19	0.00	1.09	1.09	0.99	0.99	0.99	0.99	0.99	1.19	1.29	1.29
G158.0	1.19	1.39	0.89	1.09	1.09	1.09	0.99	1.09	1.09	1.09	1.09	1.29	1.29
G159.0	1.29	1.19	0.99	1.09	1.09	1.19	1.09	1.09	0.99	1.09	1.09	1.19	1.29
G160.0	1.29	1.19	1.09	1.09	1.09	1.09	1.19	1.09	1.09	0.99	1.19	1.29	1.39
G161.0	1.29	0.99	1.39	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.19	1.29	1.29
G162.0	1.29	1.19	1.19	1.09	1.19	1.09	1.09	1.19	1.19	1.09	1.19	1.29	1.29
G163.0	1.39	1.09	1.19	1.19	1.29	1.19	1.19	1.09	1.09	1.09	1.19	1.29	1.39
G164.0	1.29	1.09	1.19	1.09	1.19	1.19	1.19	1.09	1.19	1.09	1.19	1.29	1.29
G165.0	1.29	1.19	1.19	1.09	1.09	1.19	1.19	1.19	1.19	1.19	1.19	1.29	1.29
G166.0	1.29	1.29	1.19	1.19	1.19	1.19	1.19	1.19	1.09	1.09	1.19	1.29	1.39
G167.0	1.39	1.29	1.29	1.19	1.19	1.29	1.29	1.19	1.19	1.19	1.29	1.29	1.29
G168.0	1.39	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.29	1.29	1.29	1.49
G169.0	1.39	1.19	1.19	1.09	1.19	1.19	1.19	1.19	1.19	1.29	1.29	1.29	1.29
G170.0	1.29	1.29	1.19	1.19	1.19	1.29	1.19	1.29	1.29	1.19	1.29	1.29	1.39
G171.0	1.39	1.29	1.19	1.19	1.19	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.39
G172.0	1.39	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.39	1.39
G173.0	1.39	1.29	1.29	1.29	1.19	1.39	1.29	1.29	1.29	1.29	1.39	1.29	1.39
G174.0	1.39	1.29	1.29	1.39	1.29	1.29	1.29	1.29	1.39	1.29	1.29	1.29	1.39
G175.0	1.29	1.29	1.39	1.29	1.19	1.29	1.39	1.29	1.29	1.29	1.39	1.29	1.39
G176.0	1.39	1.29	1.29	1.29	1.19	1.29	1.29	1.29	1.29	1.39	1.19	1.39	1.39
G177.0	1.39	1.79	1.29	1.19	1.29	1.29	1.29	1.29	1.39	1.39	1.39	1.39	1.39
G178.0	1.39	1.39	1.29	1.19	1.29	1.29	1.29	1.29	1.29	1.39	1.39	1.49	1.39
G179.0	1.39	1.39	1.19	1.39	1.29	1.29	1.39	1.39	1.39	1.39	1.39	1.39	1.49
G180.0	1.49	1.29	1.39	1.29	1.39	1.29	1.29	1.19	1.29	1.39	1.39	1.39	1.49

LEDS C4²

Luminaire

Code 05-9814-14-CMV2
Name KÖSSEL

Measurem.

Code 05-9814-14-CMV2
Name KÖSSEL

Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminous Intensity Table cd/klm Table 6/6

	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G146.0	1.39	1.69	1.98	2.28	2.68	2.78	2.68	2.58	2.18	1.79	1.39
G147.0	1.39	1.69	2.08	2.28	2.58	2.78	2.68	2.58	2.28	1.79	1.39
G148.0	1.29	1.69	1.98	2.28	2.48	2.68	2.58	2.48	2.58	1.69	1.39
G149.0	1.39	1.69	1.98	2.28	2.48	2.58	2.68	2.38	2.08	1.39	1.39
G150.0	1.39	1.69	1.88	2.18	2.38	2.58	2.48	2.38	2.08	1.79	1.39
G151.0	1.39	1.59	1.88	2.18	2.38	2.58	2.48	2.28	1.98	1.69	1.39
G152.0	1.29	1.59	1.88	2.08	2.28	2.48	2.48	2.28	1.88	1.69	1.39
G153.0	1.39	1.59	1.79	2.08	2.28	2.48	2.38	2.18	1.79	1.69	1.39
G154.0	1.29	1.49	1.79	2.08	2.18	2.38	2.28	2.18	1.88	1.59	1.39
G155.0	1.39	1.49	1.79	2.08	2.28	2.28	2.28	2.08	1.88	1.59	1.29
G156.0	1.39	1.49	1.79	1.98	2.18	2.28	2.28	1.98	1.88	1.59	1.39
G157.0	1.29	1.49	1.69	1.98	2.08	2.28	2.18	1.98	2.28	1.49	1.39
G158.0	1.29	1.49	1.69	1.88	2.08	2.08	2.08	1.88	1.59	1.59	1.29
G159.0	1.39	1.49	1.59	1.88	1.98	2.08	1.98	1.88	1.49	1.49	1.39
G160.0	1.39	1.49	1.59	1.79	1.88	1.98	1.98	1.88	1.59	1.49	1.39
G161.0	1.29	1.49	1.59	1.79	1.88	1.88	1.79	1.79	1.49	1.49	1.39
G162.0	1.29	1.49	1.59	1.69	1.79	1.79	1.79	1.69	1.49	1.79	1.39
G163.0	1.39	1.39	1.49	1.59	1.79	1.79	1.79	1.59	1.59	1.39	1.39
G164.0	1.39	1.39	1.49	1.59	1.69	1.69	1.69	1.59	1.59	1.39	1.39
G165.0	1.39	1.39	1.49	1.59	1.59	1.69	1.59	1.59	1.59	1.49	1.39
G166.0	1.39	1.39	1.39	1.49	1.59	1.59	1.59	1.59	1.39	1.39	1.39
G167.0	1.39	1.39	1.49	1.59	1.59	1.59	1.49	1.49	1.49	1.39	1.39
G168.0	1.49	1.29	1.49	1.49	1.49	1.59	1.49	1.49	1.39	1.39	1.39
G169.0	1.39	1.39	1.49	1.49	1.49	1.49	1.49	1.39	1.39	1.39	1.39
G170.0	1.39	1.39	1.39	1.49	1.49	1.39	1.39	1.49	1.39	1.39	1.39
G171.0	1.39	1.39	1.49	1.49	1.49	1.39	1.49	1.39	1.29	1.39	1.39
G172.0	1.49	1.39	1.39	1.49	1.49	1.49	1.39	1.49	1.39	1.39	1.39
G173.0	1.49	1.39	1.39	1.39	1.49	1.49	1.39	1.49	1.39	1.39	1.39
G174.0	1.39	1.39	1.39	1.39	1.49	1.39	1.39	1.39	1.39	1.49	1.39
G175.0	1.39	1.49	1.39	1.39	1.39	1.39	1.39	1.49	1.39	1.39	1.39
G176.0	1.49	1.39	1.39	1.49	1.39	1.39	1.39	1.39	1.39	1.39	1.39
G177.0	1.39	1.29	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.49	1.39
G178.0	1.39	1.39	1.39	1.39	1.39	1.29	1.39	1.39	1.39	1.39	1.39
G179.0	1.39	1.39	1.39	1.39	1.39	0.40	1.29	1.39	1.39	1.29	1.39
G180.0	1.39	1.29	1.29	1.29	1.29	1.39	1.29	1.39	1.29	1.49	1.39

LEDS C4²

Luminaire

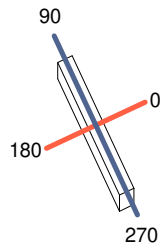
Code 05-9814-14-CMV2
Name KÖSSEL

Measurement

Code 05-9814-14-CMV2
Name KÖSSEL

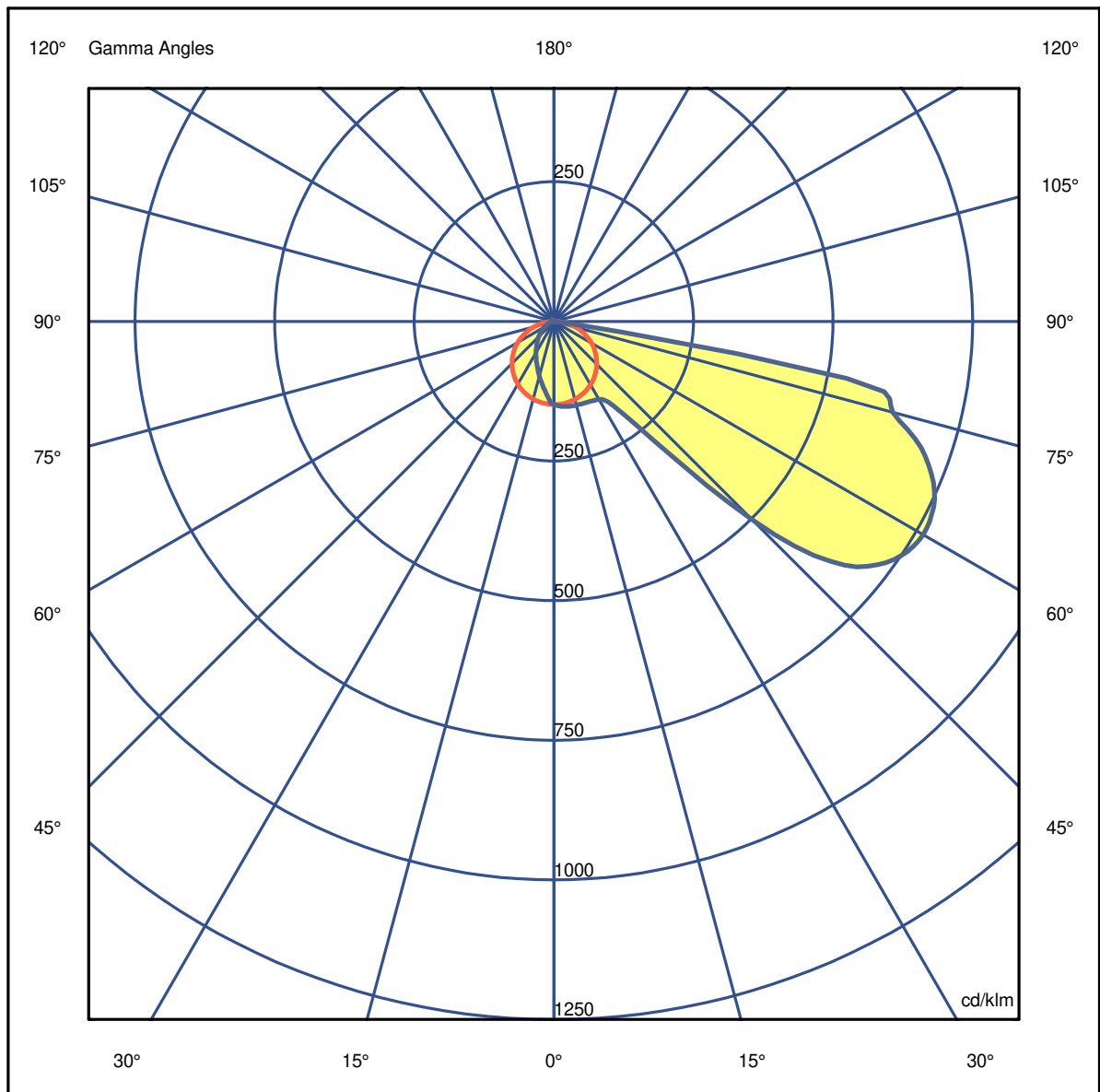
Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

227mm x 25mm



C Halfplanes

180.0 ———— 0.0
270.0 ———— 90.0



LEDS C4[®]

Luminaire

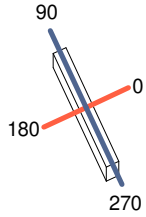
Code 05-9814-14-CMV2
Name KÖSSEL

Measurem.

Code 05-9814-14-CMV2
Name KÖSSEL

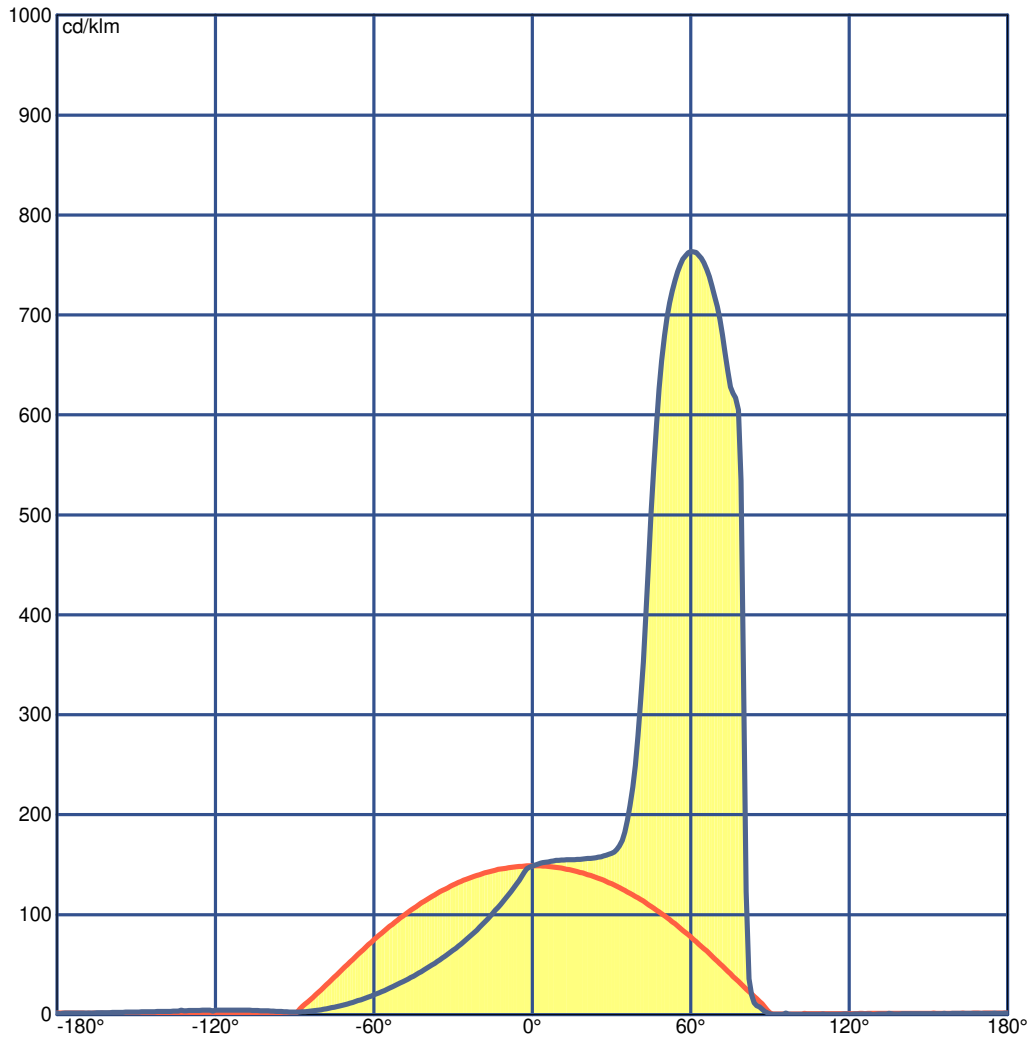
Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

227mm x 25mm



C Halfplanes

180.0 ———— 0.0
270.0 ———— 90.0



LEDS C4[®]

Luminaire

Code 05-9814-14-CMV2
Name KÖSSEL

Measurement

Code 05-9814-14-CMV2
Name KÖSSEL

Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	9.0	10.8	9.4	11.1	11.4	1.5	3.2	1.8	3.5	3.8
x=2H y=3H	10.3	11.9	10.7	12.2	12.6	2.3	3.9	2.7	4.2	4.6
x=2H y=4H	10.7	12.2	11.0	12.5	12.9	2.6	4.1	3.0	4.4	4.8
x=2H y=6H	11.0	12.4	11.4	12.8	13.1	2.8	4.3	3.2	4.6	5.0
x=2H y=8H	11.0	12.4	11.4	12.8	13.1	2.9	4.3	3.3	4.6	5.0
x=2H y=12H	11.0	12.4	11.5	12.8	13.1	3.0	4.3	3.4	4.7	5.0
x=4H y=2H	15.4	16.9	15.8	17.2	17.6	1.8	3.3	2.2	3.6	4.0
x=4H y=3H	16.8	18.1	17.2	18.5	18.9	2.7	4.0	3.1	4.4	4.8
x=4H y=4H	17.2	18.4	17.7	18.8	19.2	3.1	4.3	3.5	4.7	5.1
x=4H y=6H	17.5	18.5	17.9	18.9	19.4	3.4	4.4	3.8	4.8	5.3
x=4H y=8H	17.5	18.5	18.0	18.9	19.4	3.5	4.5	4.0	4.9	5.4
x=4H y=12H	17.5	18.4	18.0	18.9	19.3	3.6	4.5	4.1	5.0	5.4
x=8H y=4H	19.6	20.6	20.1	21.0	21.5	3.2	4.2	3.6	4.6	5.0
x=8H y=6H	20.2	21.0	20.7	21.5	22.0	3.5	4.4	4.0	4.8	5.3
x=8H y=8H	20.4	21.1	20.8	21.5	22.0	3.7	4.4	4.2	4.9	5.4
x=8H y=12H	20.4	21.0	20.9	21.5	22.0	3.9	4.5	4.4	5.0	5.5
x=12H y=4H	20.1	21.0	20.5	21.4	21.9	3.2	4.1	3.6	4.5	5.0
x=12H y=6H	20.8	21.5	21.3	22.0	22.5	3.6	4.3	4.1	4.8	5.3
x=12H y=8H	21.0	21.7	21.6	22.1	22.7	3.8	4.4	4.3	4.9	5.4

LEDS C4⁺

Luminaire

Code 05-9814-14-CMV2
Name KÖSSEL

Measurum.

Code 05-9814-14-CMV2
Name KÖSSEL

Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Total Flux= 90.72 Luminaire Flux= 90.72

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.13	0.19	0.25	0.32	0.38	0.49	0.57	0.63	0.71	0.76	0.89	0.95
RC	10	10	9	9	9	8	8	8	8	7	7	6

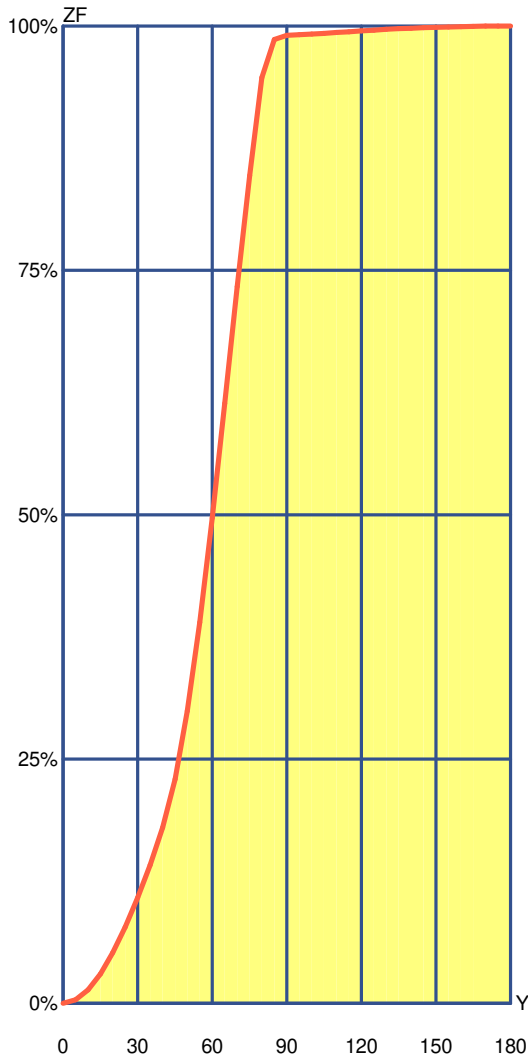
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	14	52	108	180	299	497	733	947	991	992	993	995	997	998	999	999	1000	1000

CIE Flux Codes

20 50 88 99 100

C.I.E.	10/10/9/9/9/8/8/8/7/7/6	LOR	99.99987 %
D DIN 5040	A11	ULOR	0.94784 %
F UTE	0.99 J + 0.01 T	DLOR	99.05203 %
B NBN	BZ 9 / 1 / BZ 8 / 2 / BZ 7 / 3 / BZ 6	UFF	0.94785 %
RN	0.94785 %	DFF	99.05215 %
BLF	1.0	FFR	0.95692 %



Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	3.53	3.53	0.35 %	0.35 %
10°	10.23	13.75	1.02 %	1.38 %
15°	16.27	30.02	1.63 %	3.00 %
20°	21.59	51.61	2.16 %	5.16 %
25°	26.20	77.81	2.62 %	7.78 %
30°	30.13	107.94	3.01 %	10.79 %
35°	33.61	141.55	3.36 %	14.15 %
40°	38.38	179.93	3.84 %	17.99 %
45°	49.28	229.21	4.93 %	22.92 %
50°	69.76	298.97	6.98 %	29.90 %
55°	90.92	389.90	9.09 %	38.99 %
60°	106.74	496.63	10.67 %	49.66 %
65°	117.09	613.72	11.71 %	61.37 %
70°	119.52	733.24	11.95 %	73.32 %
75°	113.78	847.02	11.38 %	84.70 %
80°	100.21	947.24	10.02 %	94.72 %
85°	38.91	986.15	3.89 %	98.62 %
90°	4.37	990.52	0.44 %	99.05 %
95°	0.63	991.15	0.06 %	99.11 %
100°	0.71	991.86	0.07 %	99.19 %
105°	0.79	992.64	0.08 %	99.26 %
110°	0.82	993.47	0.08 %	99.35 %
115°	0.82	994.29	0.08 %	99.43 %
120°	0.82	995.11	0.08 %	99.51 %
125°	0.78	995.89	0.08 %	99.59 %
130°	0.73	996.62	0.07 %	99.66 %
135°	0.66	997.29	0.07 %	99.73 %
140°	0.59	997.88	0.06 %	99.79 %
145°	0.51	998.39	0.05 %	99.84 %
150°	0.44	998.82	0.04 %	99.88 %
155°	0.37	999.19	0.04 %	99.92 %
160°	0.30	999.48	0.03 %	99.95 %
165°	0.23	999.71	0.02 %	99.97 %
170°	0.16	999.87	0.02 %	99.99 %
175°	0.10	999.97	0.01 %	100.00 %
180°	0.03	1000.00	0.00 %	100.00 %

LEDS C4⁺

Luminaire

Code 05-9814-14-CMV2
Name KÖSSEL

Measurement

Code 05-9814-14-CMV2
Name KÖSSEL

Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Utilizations CIE

Mounting	Direct	Normalization										Normalised										Suspension Ratid/3										Standard CIE Settings																																																																																																																																																																																																																																																																																							
Ceiling																																																																																																																																																																																																																																																																																																																							
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	0.60	247	222	212	191	211	182	125	106	109	93	59	44	23	16	87	47	42	19	15	40	16	14	4	0.80	289	265	234	216	252	206	155	136	127	112	71	57	29	21	105	59	54	24	20	51	21	18	4	1.00	316	294	243	227	280	217	179	160	139	125	80	66	34	26	117	68	62	30	25	59	26	23	5	1.25	338	318	244	231	303	222	203	184	146	134	87	74	40	32	126	76	71	36	31	67	32	29	5	1.50	353	335	241	230	319	221	222	204	150	139	93	81	46	38	131	82	77	41	36	73	37	34	6	2.00	369	354	228	220	338	213	249	233	151	142	99	89	55	47	135	89	85	50	46	81	46	42	6	2.50	377	365	215	209	348	203	269	254	149	142	102	94	62	55	135	94	90	57	53	86	53	50	7	3.00	382	372	203	199	355	193	283	270	146	140	105	97	68	61	134	97	93	63	59	90	59	56	7	4.00	387	379	186	183	363	179	304	293	141	137	107	102	77	71	131	101	98	73	69	95	68	65	8	5.00	390	384	174	172	367	168	318	309	137	134	109	104	83	78	129	103	101	79	76	97	75	71	8	10.00	395	391	145	144	376	142	349	344	126	125	112	109	98	95	121	108	106	95	93	104	91	88	9	20.00	397	395	129	128	380	127	368	365	120	119	114	112	107	106	116	110	110	104	103	107	101	99	9

Wall

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	0.60	546	532	501	490	525	485	414	405	391	384	328	322	282	280	381	323	321	281	279	320	280	279	260	0.80	639	624	576	566	614	558	500	489	466	458	399	393	350	346	452	393	390	347	346	388	346	344	322	1.00	709	694	629	620	681	611	568	556	522	514	456	449	404	401	507	448	445	401	399	442	399	397	372	1.25	773	759	676	668	743	658	634	622	575	567	510	503	459	454	558	501	499	455	453	495	452	450	422	1.50	820	807	708	700	789	690	685	673	613	606	551	544	501	496	596	542	539	496	494	534	493	490	460	2.00	878	867	741	736	845	725	753	741	659	653	604	597	557	552	642	593	591	552	549	585	547	543	509	2.50	910	901	756	752	877	741	795	784	684	679	635	629	592	587	666	623	621	586	583	614	580	576	538	3.00	929	921	762	758	896	748	822	812	698	693	654	648	615	610	681	642	640	608	605	632	602	596	557	4.00	948	941	762	759	915	750	854	845	709	706	673	669	641	636	693	661	659	632	630	651	625	619	576	5.00	954	949	755	753	921	744	869	862	711	708	680	676	652	648	695	668	666	643	641	657	635	628	583	10.00	922	918	695	694	888	686	860	855	669	667	652	650	637	634	654	640	639	626	624	628	616	606	556	20.00	826	824	584	584	793	576	780	777	568	568	561	559	553	551	555	548	547	541	540	536	530	519	466
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Working Pl.

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000	0.60	460	446	429	418	437	410	301	293	290	283	209	203	150	147	278	203	201	148	147	199	147	146	125	0.80	558	542	514	502	528	491	387	375	369	360	281	273	215	211	352	273	270	212	210	267	210	208	185	1.00	641	624	584	572	606	559	464	451	439	429	349	340	279	275	418	338	335	275	273	331	272	270	246	1.25	724	708	653	642	685	627	547	533	512	503	424	414	353	347	489	411	407	347	345	401	343	340	316	1.50	792	776	707	698	750	681	618	603	574	565	488	478	418	412	549	474	470	411	408	462	406	402	378	2.00	894	880	788	780	849	763	731	716	670	661	592	583	526	519	642	575	572	518	514	562	510	504	482	2.50	966	953	843	836	919	819	813	799	738	731	668	660	608	601	710	650	647	598	594	635	589	581	560	3.00	1000	1000	882	876	970	859	875	861	788	782	726	717	671	664	760	707	703	659	655	690	649	640	619	4.00	1000	1000	932	929	1000	912	961	949	855	850	805	798	759	752	827	784	781	745	741	766	732	721	703	5.00	1000	1000	964	961	1000	945	1000	1000	898	894	856	850	817	810	871	835	832	801	798	816	787	774	757	10.00	1000	1000	1000	1000	1000	1000	1000	1000	990	988	969	965	948	943	964	946	944	928	926	925	910	893	879	20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	996	995	982	975	956	944
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LM53 SHR C0-C180: 1.299 SHR C90-C270: 3.842 SHR Square: 4.320

LEDS C4[®]

Luminaire

Code 05-9814-14-CMV2
Name KÖSSEL

Measurem.

Code 05-9814-14-CMV2
Name KÖSSEL

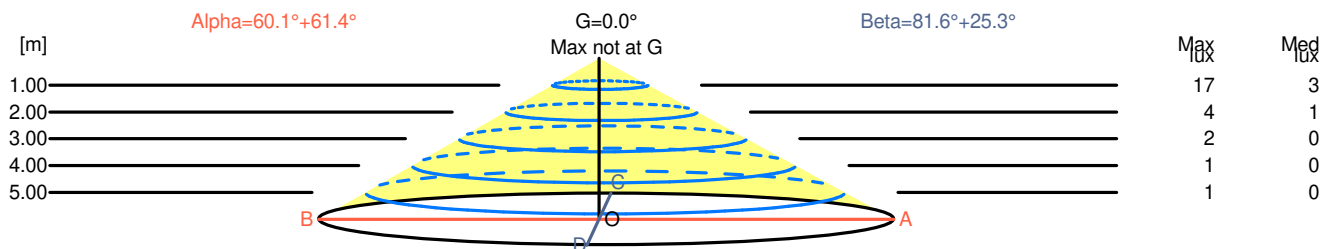
Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.83	3.67	5.50	7.33	9.17	OC	6.74	13.47	20.21	26.95	33.68
OB	1.74	3.48	5.22	6.96	8.70	OD	0.47	0.94	1.42	1.89	2.36

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	13.49	13.46	13.10	12.38	11.27	9.80	8.03	5.98	3.70	1.43
OB	13.49	13.44	13.05	12.29	11.14	9.63	7.81	5.68	3.38	1.15
OC	13.47	13.83	14.07	14.28	16.55	45.56	67.43	68.25	56.98	0.82
OD	13.47	12.18	9.17	6.81	4.97	3.49	2.30	1.33	0.68	0.29



H[m]	D[m]	Max lux	Med lux	Alpha=60.1°+61.4°	G=0.0° Max not at G	
1.00	3.57	17	3			
2.00	7.15	4	1			
3.00	10.72	2	0			
4.00	14.30	1	0			
5.00	17.87	1	0			

H[m]	D[m]	Max lux	Med lux	Beta=25.3°+81.6°	G=0.0° Max not at G	
1.00	7.21	17	3			
2.00	14.42	4	1			
3.00	21.63	2	0			
4.00	28.84	1	0			
5.00	36.05	1	0			

LEDS C4²

Luminaire

Code 05-9814-14-CMV2
 Name KÖSSEL

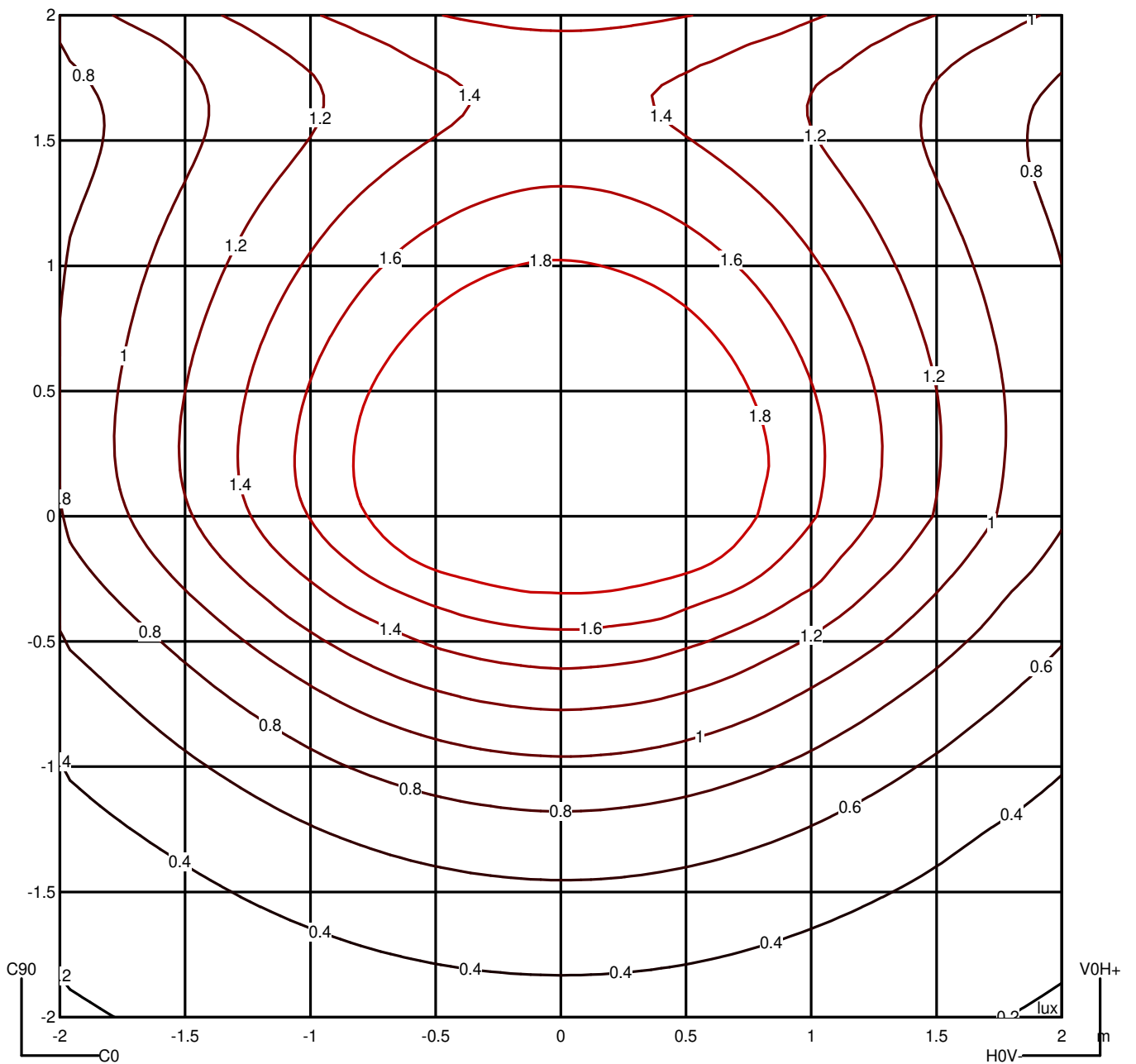
Measur.

Code 05-9814-14-CMV2
 Name KÖSSEL

Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



LEDS C4²

Luminaire

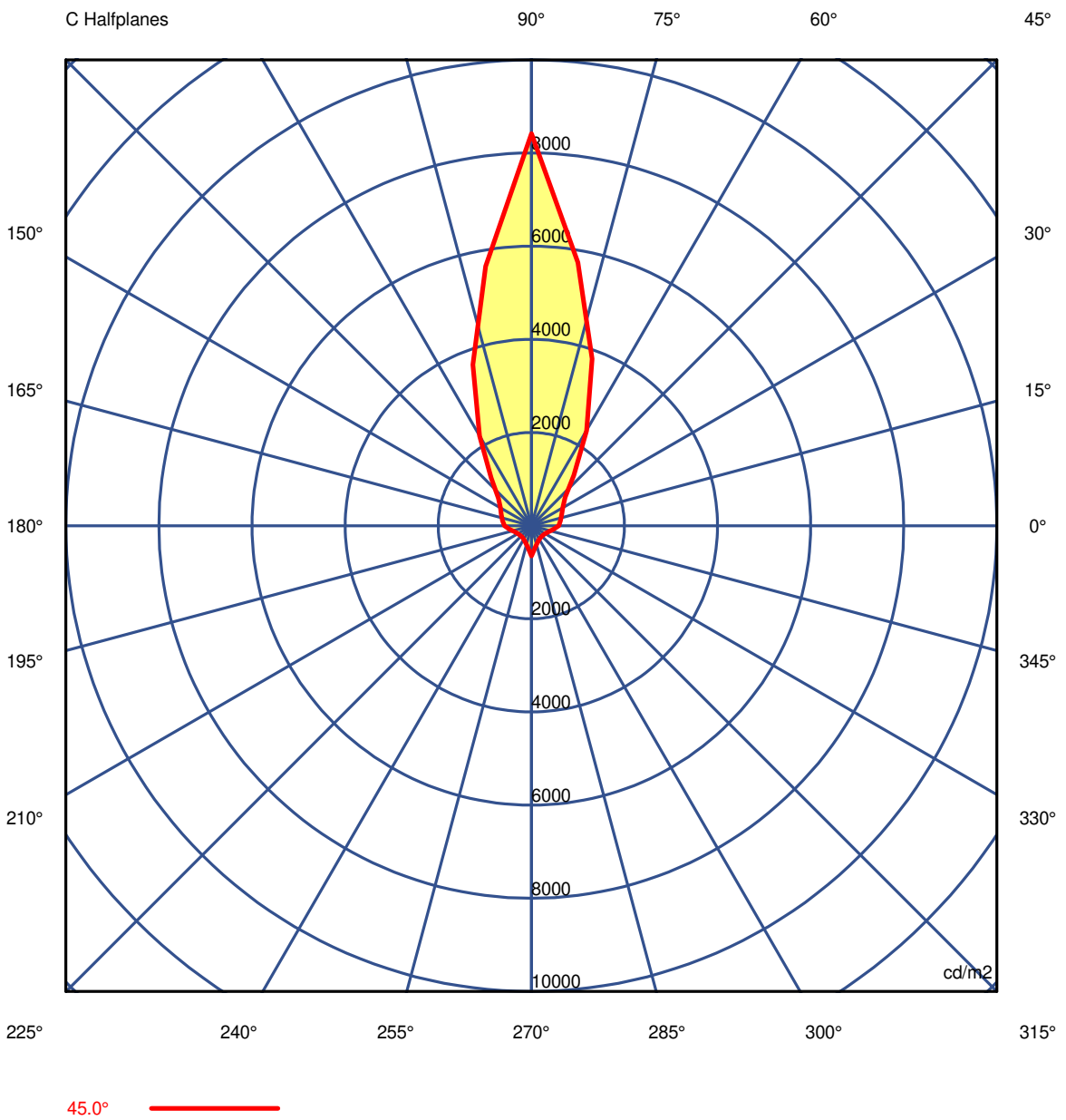
Code 05-9814-14-CMV2
 Name KÖSSEL

Measurem.

Code 05-9814-14-CMV2
 Name KÖSSEL

Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminance



LEDS C4⁺

Luminaire

Code 05-9814-14-CMV2
Name KÖSSEL

Measurement

Code 05-9814-14-CMV2
Name KÖSSEL

Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminance cd/m2 Table 1/3

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	2377.27	2378.82	2378.12	2375.68	2374.63	2374.10	2374.10	2371.47	2371.81	2374.10	2372.48	2374.57	2380.44
G 5.0	1865.76	1875.22	1895.99	1927.38	1969.33	2023.68	2091.45	2172.45	2267.29	2374.54	2269.16	2176.44	2096.91
G 10.0	1531.57	1546.33	1576.40	1621.83	1684.02	1764.91	1868.25	1999.41	2162.44	2360.86	2164.13	2003.20	1873.08
G 15.0	1293.58	1311.83	1346.62	1398.41	1469.75	1564.75	1689.75	1853.78	2068.16	2347.32	2068.60	1856.32	1694.11
G 20.0	1113.80	1138.41	1175.75	1227.62	1302.49	1407.60	1549.67	1738.05	1996.11	2354.76	1998.02	1740.55	1551.68
G 25.0	973.42	999.18	1038.05	1092.70	1172.50	1285.64	1441.04	1652.51	1951.77	2389.27	1954.56	1656.01	1443.83
G 30.0	855.83	885.20	926.45	984.46	1072.08	1194.66	1364.07	1605.31	1953.03	2477.89	1952.26	1606.89	1367.58
G 35.0	754.49	788.74	833.80	896.62	993.70	1130.97	1332.53	1650.87	2135.56	2862.75	2136.65	1648.69	1327.52
G 40.0	666.73	703.91	756.32	826.94	931.97	1141.57	1540.64	2208.81	3166.66	4499.35	3148.31	2166.53	1490.86
G 45.0	587.12	631.11	691.58	778.83	946.85	1418.04	2363.15	3816.55	5742.85	8422.06	5659.40	3683.07	2227.71
G 50.0	515.61	573.62	622.55	757.49	1214.91	2280.12	3912.98	5713.26	8029.19	11937.20	7909.52	5560.10	3760.78
G 55.0	447.37	529.26	645.06	862.70	1996.33	3411.45	4763.58	6411.54	8960.39	13837.43	8821.16	6287.39	4654.84
G 60.0	383.66	427.00	655.89	1305.18	2543.20	3838.73	5004.98	6617.44	9399.66	15229.89	9316.76	6513.51	4895.50
G 65.0	320.41	414.53	835.78	1878.90	2833.92	3790.43	4971.46	6623.05	9556.78	16294.61	9516.51	6506.79	4812.70
G 70.0	258.14	401.03	882.08	1945.06	2759.96	3555.28	4672.89	6354.57	9409.98	16924.52	9364.13	6281.28	4575.93
G 75.0	196.85	453.50	986.83	1753.11	2448.49	3197.41	4221.22	5805.16	8800.95	16875.16	8732.01	5698.41	4094.42
G 80.0	137.08	439.34	870.05	1416.32	1967.53	2704.79	3571.00	4171.47	5270.31	10303.88	5679.05	4427.14	3571.00
G 85.0	77.94	278.16	487.77	554.35	261.99	95.66	82.47	101.50	149.07	332.64	139.11	109.30	93.79
G 90.0	7.03	6.00	5.13	4.36	3.78	4.31	5.90	7.13	10.82	31.90	13.91	9.01	6.74

LEDS C4⁺

Luminaire

Code 05-9814-14-CMV2
Name KÖSSEL

Measurement

Code 05-9814-14-CMV2
Name KÖSSEL

Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminance cd/m2 Table 2/3

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	2382.01	2382.46	2385.20	2388.89	2385.05	2377.27	2378.33	2378.52	2375.68	2374.63	2374.10	2374.10	2371.46
G 5.0	2028.88	1975.15	1935.00	1903.81	1878.43	1862.02	1846.24	1845.47	1848.71	1844.63	1853.02	1885.04	1935.10
G 10.0	1768.00	1686.09	1626.09	1584.39	1549.73	1526.40	1503.70	1469.02	1424.96	1412.36	1427.23	1465.58	1535.53
G 15.0	1567.80	1470.92	1400.26	1352.48	1318.36	1289.14	1236.28	1180.33	1132.75	1114.53	1124.96	1163.61	1237.51
G 20.0	1408.99	1305.30	1231.72	1177.68	1140.77	1107.52	1037.51	967.95	916.21	893.70	899.15	933.61	1005.54
G 25.0	1287.53	1174.04	1094.19	1039.70	1003.71	965.64	881.72	801.50	746.78	722.17	725.42	756.87	823.65
G 30.0	1195.82	1071.75	984.46	926.82	889.57	846.76	751.98	665.51	612.13	588.17	589.29	616.20	677.28
G 35.0	1128.69	993.69	895.99	832.50	792.79	746.05	643.48	554.03	503.43	478.87	478.01	502.94	559.25
G 40.0	1121.20	931.26	825.74	755.11	708.27	656.53	549.85	459.39	411.36	389.18	389.08	411.85	461.59
G 45.0	1344.55	924.36	772.52	688.36	633.60	576.88	466.67	377.76	335.50	315.73	314.17	333.14	377.90
G 50.0	2137.83	1128.60	739.82	620.66	572.20	503.70	390.40	305.61	269.43	254.21	253.29	268.63	307.23
G 55.0	3223.33	1824.86	796.21	620.53	504.26	435.33	319.92	244.56	213.93	200.54	199.76	213.73	246.81
G 60.0	3707.43	2362.39	1121.43	590.00	442.55	368.96	261.22	186.84	165.90	156.54	155.62	167.58	194.15
G 65.0	3670.75	2679.85	1684.58	755.45	400.27	304.48	215.57	133.66	123.84	118.36	116.52	127.45	149.27
G 70.0	3437.53	2618.53	1802.29	792.17	360.79	241.37	165.07	92.68	89.68	86.77	84.54	93.20	110.20
G 75.0	3076.29	2341.09	1644.64	856.60	346.13	180.09	101.29	66.40	60.95	59.35	60.23	66.46	78.94
G 80.0	2604.47	1864.09	1329.20	773.18	342.68	120.19	52.36	43.92	38.60	37.41	39.59	44.61	54.48
G 85.0	122.80	381.02	777.36	543.67	204.30	62.75	25.37	22.20	20.71	21.26	23.82	28.30	35.86
G 90.0	5.98	5.56	6.54	9.49	7.77	3.01	3.29	5.68	7.63	9.95	13.47	18.54	25.67

LEDS C4[®]

Luminaire

Code 05-9814-14-CMV2
Name KÖSSEL

Measur.

Code 05-9814-14-CMV2
Name KÖSSEL

Luminaire Flux	90.72 lm	Luminaire Power	2.40 W	Efficacy	37.80 lm/W	Efficiency	100.00%
Sources Flux	90.72 lm	Maximum value	763.49 cd/klm	Position	C=90.00 G=60.00	CG	Asymmetrical

Luminance cd/m2 Table 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	2371.82	2374.10	2372.47	2374.57	2380.44	2381.98	2382.54	2385.20	2388.49	2386.06
G 5.0	2002.39	2090.28	2006.75	1941.65	1893.24	1864.94	1857.60	1860.13	1856.98	1856.22
G 10.0	1638.83	1781.27	1644.08	1542.71	1472.83	1436.01	1423.91	1438.79	1482.98	1516.30
G 15.0	1355.86	1530.34	1356.97	1242.18	1172.34	1134.47	1122.51	1141.97	1196.51	1249.73
G 20.0	1126.55	1316.69	1127.68	1009.73	940.62	905.70	900.17	925.22	980.15	1044.56
G 25.0	941.77	1139.69	942.46	825.36	759.67	728.97	726.97	754.20	811.57	886.07
G 30.0	789.31	988.11	791.89	680.94	619.71	592.13	592.01	619.65	676.87	756.90
G 35.0	664.29	859.29	664.02	559.81	504.61	480.03	481.25	508.53	563.83	646.89
G 40.0	557.33	746.69	558.40	462.32	412.66	391.15	388.37	409.56	466.18	554.16
G 45.0	465.22	645.55	467.09	379.81	334.70	316.09	317.44	338.37	384.29	467.97
G 50.0	385.57	554.57	384.01	307.43	270.15	252.72	253.31	271.63	311.40	393.03
G 55.0	314.68	470.97	314.52	247.12	214.48	200.20	200.03	213.93	248.36	326.53
G 60.0	250.69	391.83	250.84	193.87	166.83	154.72	154.85	164.85	189.33	261.87
G 65.0	194.85	318.03	195.30	148.49	125.96	116.06	116.88	123.84	139.63	204.17
G 70.0	146.83	253.63	147.09	109.76	92.45	84.37	85.09	89.16	97.78	152.79
G 75.0	107.97	199.91	108.05	78.79	65.69	58.80	58.87	60.43	63.48	107.55
G 80.0	76.20	150.49	76.28	54.31	43.83	38.36	37.30	37.56	43.41	68.64
G 85.0	52.80	116.97	52.73	35.96	28.30	23.49	21.37	20.18	21.72	35.84
G 90.0	41.61	109.37	41.62	25.67	18.54	13.48	9.90	7.08	4.52	4.45