

# LEDS C4<sup>®</sup>

## Luminaire

Code 55-E023-Z5-OU\_4000K  
Name MODIS

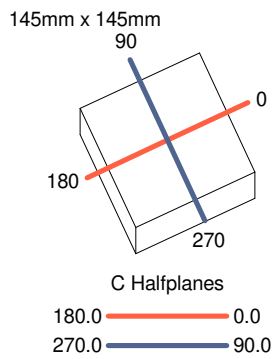
## Measurum.

Code 55-E023-Z5-OU\_4000K  
Name MODIS

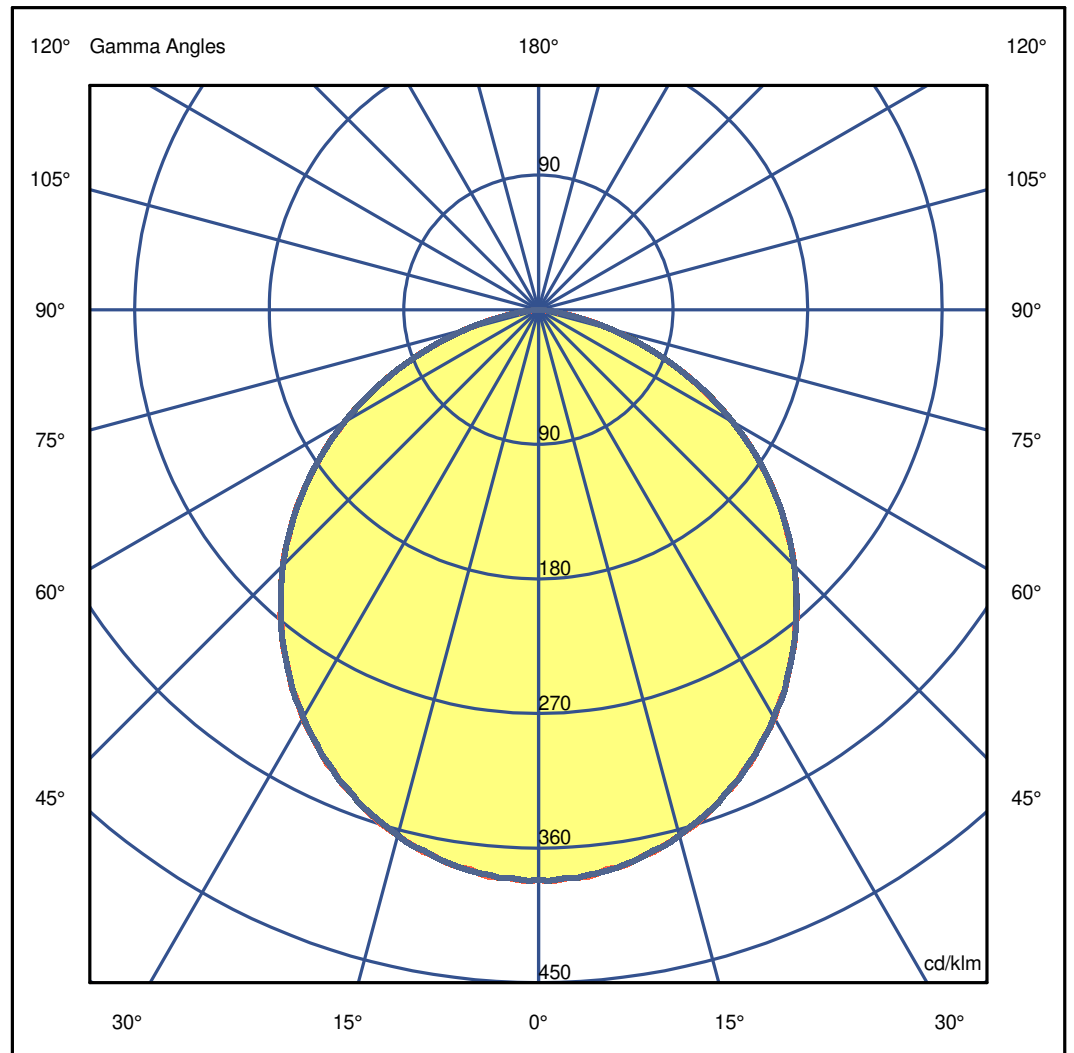
Luminaire Flux	729 lm	Luminaire Power	11.6 W	Efficacy	62.858 lm/W	Efficiency	100.00%
Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical
Rectangular Luminaire Rectangular Luminous Area	Length Length	145 mm 85 mm	Width Width	145 mm 85 mm	Height Height	75 mm 0 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.007225 m2 0.000000 m2 0.000000 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°	0.000000 m2 0.000000 m2 0.001748 m2			
Coordinate system Date Measurement Distance	CG 15-10-2021 0.00		Symmetry Type Maximum Gamma Angle Measurement Flux	Double Symmetrical 90 729 lm			
Operator Temperature Humidity Notes	qualitat		Rated Voltage Rated Current Photocell				

## Luminaire Sources

Line	Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
			729.15	11.60	1
C.I.E. F UTE	50 82 97 100 100 1.00 E	D DIN 5040 B NBN	A30 BZ 4		



ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



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Luminous Intensity Table cd/klm Table 1/2

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	381.17	381.17	381.17	381.17	381.17	381.17	381.17
G 1.0	382.01	381.09	381.06	380.44	380.96	380.82	381.81
G 2.0	381.64	380.32	380.68	380.32	380.82	380.86	381.00
G 3.0	380.32	379.95	380.06	380.03	380.14	380.29	380.11
G 4.0	380.54	379.56	379.81	378.65	379.80	380.03	380.68
G 5.0	380.57	378.84	379.13	378.77	379.41	379.07	379.30
G 6.0	378.96	377.59	378.14	377.93	378.35	378.56	378.76
G 7.0	376.65	377.08	376.99	376.40	377.43	376.75	377.71
G 8.0	376.82	376.03	375.90	375.60	375.87	375.97	376.75
G 9.0	375.58	373.76	374.90	374.76	374.74	375.10	375.17
G 10.0	373.71	372.96	372.73	372.45	373.12	373.57	373.82
G 11.0	371.44	371.28	371.17	370.63	371.62	371.89	371.67
G 12.0	370.76	369.52	369.80	369.40	369.95	369.20	369.48
G 13.0	368.47	367.49	367.69	367.45	367.69	367.89	368.56
G 14.0	366.34	365.07	365.21	365.21	365.95	366.05	366.57
G 15.0	363.90	363.50	363.63	363.06	363.41	363.77	363.79
G 16.0	361.56	360.64	361.37	360.59	361.23	361.11	361.19
G 17.0	359.62	358.39	358.35	358.08	358.80	359.10	358.87
G 18.0	356.76	355.88	355.88	355.60	356.18	355.70	356.22
G 19.0	353.90	353.00	353.43	352.92	353.26	353.04	353.63
G 20.0	351.12	349.86	350.26	349.83	350.58	350.63	351.32
G 21.0	347.10	347.07	346.80	346.77	347.31	347.35	347.14
G 22.0	344.76	343.86	344.14	343.59	343.89	344.19	344.18
G 23.0	341.48	340.28	340.49	340.07	341.01	340.79	341.55
G 24.0	337.20	337.18	337.44	337.04	337.49	337.73	337.58
G 25.0	334.75	333.46	333.73	333.80	333.46	333.27	333.84
G 26.0	330.72	329.94	330.10	329.81	330.17	330.42	330.85
G 27.0	326.61	326.13	326.28	326.00	326.64	327.03	326.24
G 28.0	322.70	322.10	322.46	322.07	322.44	322.10	322.94
G 29.0	319.31	318.13	318.41	318.13	318.53	318.54	319.00
G 30.0	315.32	314.13	314.17	313.92	314.45	314.70	314.62
G 31.0	310.51	309.93	309.80	310.09	310.26	310.44	310.23
G 32.0	306.00	305.85	305.99	305.36	305.91	305.87	306.76
G 33.0	302.58	301.27	301.77	300.84	301.77	301.47	302.38
G 34.0	297.32	296.36	296.79	296.89	297.13	297.24	297.07
G 35.0	292.37	292.51	292.27	292.08	292.27	292.63	292.61
G 36.0	287.61	287.31	287.58	287.08	287.55	287.67	287.88
G 37.0	283.58	282.60	282.47	282.47	282.89	282.69	283.09
G 38.0	278.60	277.73	277.86	277.70	278.11	277.87	278.48
G 39.0	272.86	272.73	272.82	272.53	272.96	273.40	273.58
G 40.0	268.67	267.76	268.01	267.53	267.89	268.11	268.00
G 41.0	262.78	262.30	262.59	262.41	262.80	262.98	262.91
G 42.0	257.90	257.38	257.65	257.08	257.49	257.65	257.75
G 43.0	252.67	251.81	252.18	252.01	252.21	252.33	252.37
G 44.0	247.07	246.61	246.96	246.77	246.99	247.17	247.24
G 45.0	241.74	241.25	241.35	240.86	241.52	241.34	241.83
G 46.0	236.56	235.71	235.71	235.69	236.05	235.87	235.93
G 47.0	230.64	229.90	230.07	230.03	230.10	230.03	230.69
G 48.0	224.19	224.33	224.33	223.96	224.59	224.55	224.78
G 49.0	219.00	218.31	218.60	218.53	218.63	218.95	218.77
G 50.0	213.30	212.52	212.56	212.55	212.81	212.64	213.25
G 51.0	207.34	206.64	206.75	206.58	206.91	206.82	207.27
G 52.0	200.65	200.62	200.78	200.47	200.96	200.86	200.83
G 53.0	195.15	194.69	194.61	194.37	194.66	195.01	194.95
G 54.0	188.77	188.04	188.43	188.22	188.40	188.48	188.71
G 55.0	182.02	182.17	182.26	181.87	182.27	182.27	182.34
G 56.0	175.97	175.62	175.79	175.92	175.97	175.85	176.22
G 57.0	169.67	169.35	169.32	169.03	169.49	169.57	169.60
G 58.0	163.29	162.83	162.94	162.79	162.90	162.95	163.14
G 59.0	156.18	156.15	156.32	156.12	156.36	156.25	156.46
G 60.0	149.78	149.70	149.88	149.74	149.94	150.06	150.03
G 61.0	143.17	142.88	143.07	142.88	143.02	143.01	143.36
G 62.0	136.83	136.36	136.28	136.20	136.54	136.47	136.55
G 63.0	129.64	129.46	129.64	129.70	129.73	129.58	129.72
G 64.0	122.89	122.80	122.82	122.76	122.79	122.85	123.11
G 65.0	116.25	115.89	116.17	115.86	116.15	115.96	116.06
G 66.0	109.42	109.21	109.22	108.96	109.26	109.25	109.24
G 67.0	102.52	102.29	102.48	102.45	102.24	102.51	102.62
G 68.0	95.37	95.47	95.51	95.39	95.59	95.56	95.70
G 69.0	88.85	88.82	88.80	88.77	88.70	88.69	88.75
G 70.0	81.97	81.84	81.93	81.93	81.98	81.97	81.89
G 71.0	75.43	75.34	75.39	75.23	75.24	75.28	75.40
G 72.0	68.75	68.67	68.72	68.61	68.73	68.65	68.80

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Luminaire Flux	729 lm	Luminaire Power	11.6 W	Efficacy	62.858 lm/W	Efficiency	100.00%
Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

Luminous Intensity Table cd/klm Table 2/2

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 73.0	62.33	62.32	62.38	62.17	62.25	62.31	62.18
G 74.0	55.95	55.93	55.99	55.88	55.90	55.80	55.88
G 75.0	49.85	49.89	49.77	49.80	49.69	49.73	49.75
G 76.0	44.01	43.96	43.89	43.81	43.74	43.76	43.64
G 77.0	38.11	38.12	38.21	37.99	37.96	38.05	37.82
G 78.0	32.80	32.88	32.88	32.70	32.62	32.64	32.64
G 79.0	27.78	27.80	27.71	27.62	27.60	27.46	27.55
G 80.0	23.05	23.09	22.99	22.85	22.79	22.78	22.70
G 81.0	18.66	18.77	18.67	18.52	18.39	18.35	18.32
G 82.0	14.71	14.84	14.70	14.56	14.43	14.41	14.37
G 83.0	11.29	11.38	11.22	11.06	10.93	10.89	10.84
G 84.0	8.21	8.40	8.27	8.13	7.87	7.84	7.77
G 85.0	5.85	5.85	5.77	5.53	5.42	5.36	5.22
G 86.0	3.69	3.91	3.67	3.65	3.39	3.26	3.13
G 87.0	2.33	2.43	2.36	2.03	1.85	1.88	1.48
G 88.0	1.22	1.43	1.37	1.10	0.87	0.82	0.69
G 89.0	0.59	0.74	0.61	0.55	0.39	0.30	0.24
G 90.0	0.03	0.36	0.12	0.20	0.10	0.05	0.07

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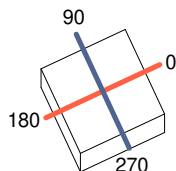
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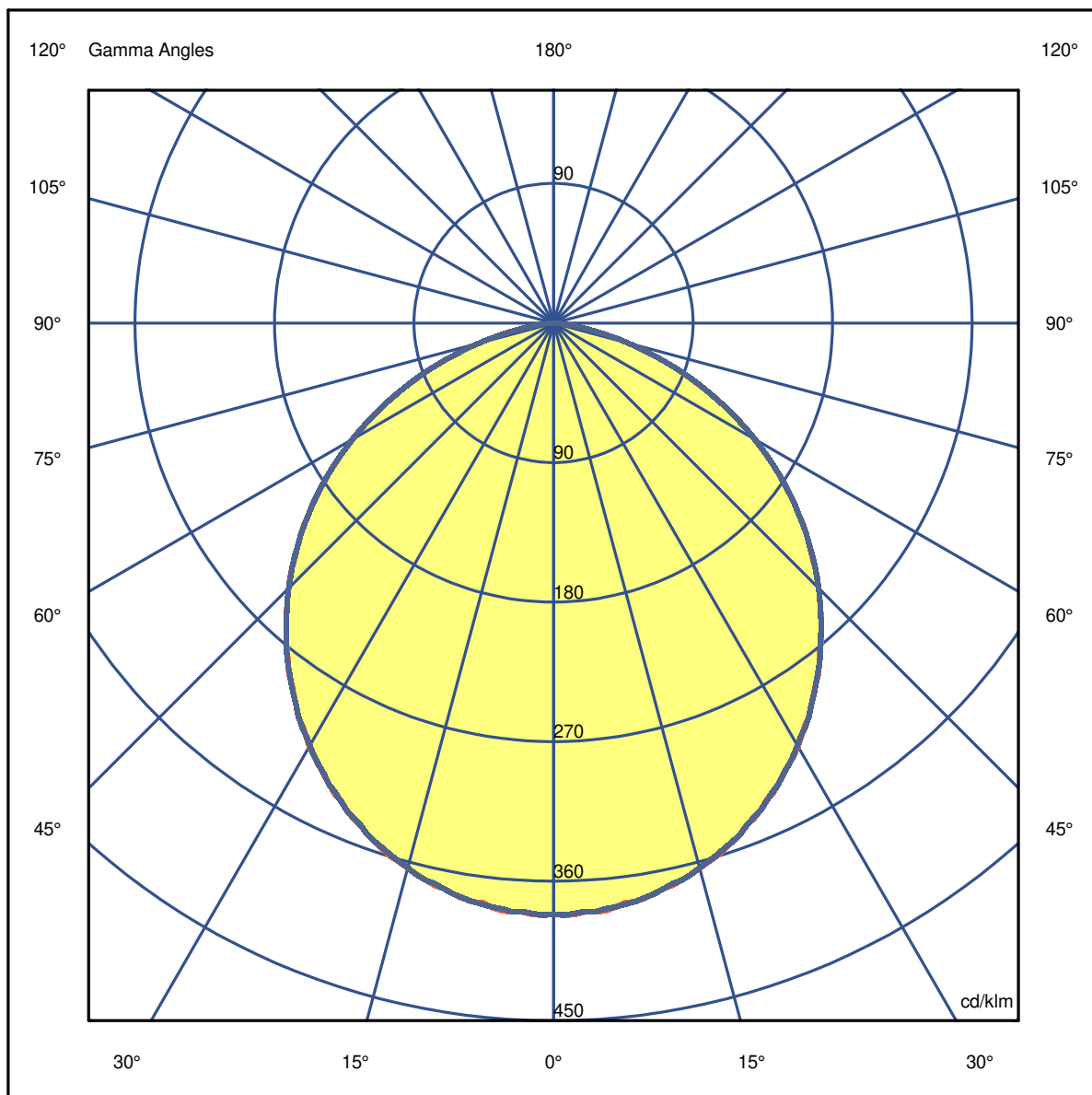
Luminaire Flux	729 lm	Luminaire Power	11.6 W	Efficacy	62.858 lm/W	Efficiency	100.00%
Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

145mm x 145mm



C Halfplanes

180.0 ——— 0.0  
270.0 ——— 90.0



# LEDS C4<sup>2</sup>

## Luminaire

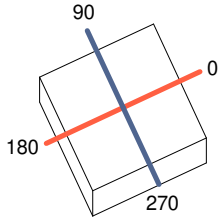
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## Measurem.

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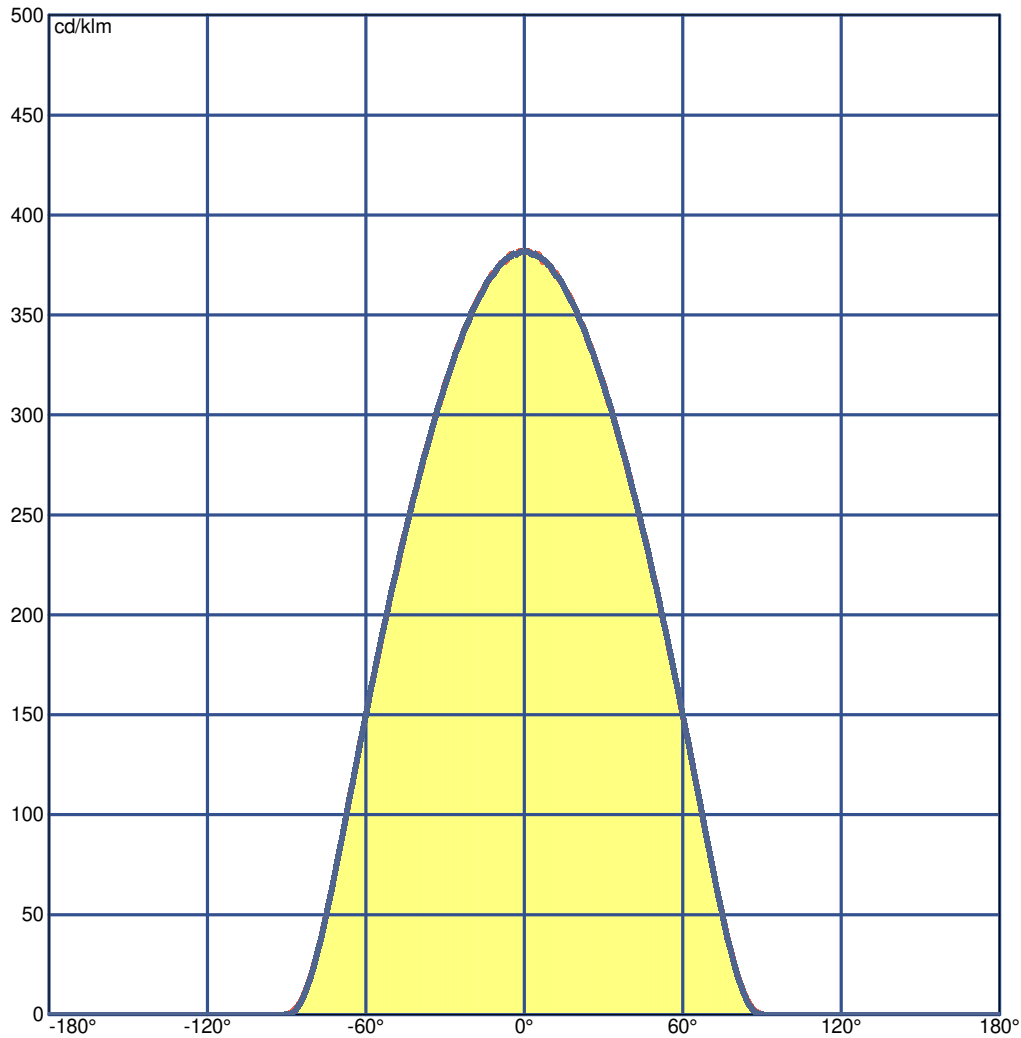
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145mm x 145mm



C Halfplanes

180.0 ———— 0.0  
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Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

**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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	24.7	25.9	25.0	26.2	26.4	24.7	26.0	25.0	26.2	26.4
x=2H y=3H	25.9	27.1	26.3	27.4	27.6	26.0	27.1	26.3	27.4	27.6
x=2H y=4H	26.3	27.4	26.7	27.7	28.0	26.3	27.4	26.7	27.7	28.0
x=2H y=6H	26.5	27.5	26.9	27.8	28.1	26.5	27.5	26.9	27.8	28.1
x=2H y=8H	26.6	27.5	26.9	27.8	28.2	26.6	27.5	26.9	27.8	28.2
x=2H y=12H	26.5	27.5	26.9	27.8	28.1	26.5	27.4	26.9	27.8	28.1
x=4H y=2H	25.3	26.4	25.6	26.6	26.9	25.3	26.4	25.6	26.6	26.9
x=4H y=3H	26.7	27.6	27.1	28.0	28.3	26.7	27.6	27.1	28.0	28.3
x=4H y=4H	27.2	28.0	27.6	28.4	28.7	27.2	28.0	27.6	28.4	28.7
x=4H y=6H	27.5	28.2	27.9	28.6	28.9	27.5	28.2	27.9	28.6	28.9
x=4H y=8H	27.5	28.2	27.9	28.6	29.0	27.5	28.2	27.9	28.5	29.0
x=4H y=12H	27.5	28.1	28.0	28.5	28.9	27.5	28.1	28.0	28.5	28.9
x=8H y=4H	27.4	28.0	27.8	28.4	28.8	27.4	28.0	27.8	28.4	28.8
x=8H y=6H	27.7	28.2	28.2	28.7	29.1	27.7	28.2	28.2	28.7	29.1
x=8H y=8H	27.8	28.2	28.3	28.7	29.2	27.8	28.2	28.3	28.7	29.2
x=8H y=12H	27.8	28.2	28.3	28.7	29.2	27.8	28.2	28.3	28.7	29.1
x=12H y=4H	27.4	28.0	27.8	28.4	28.8	27.4	28.0	27.8	28.4	28.8
x=12H y=6H	27.7	28.2	28.2	28.6	29.1	27.7	28.2	28.2	28.6	29.1
x=12H y=8H	27.8	28.2	28.3	28.7	29.2	27.8	28.2	28.3	28.7	29.1

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Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

Total Flux=729.15 Luminaire Flux=729.15

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	0.32	0.41	0.49	0.56	0.62	0.71	0.76	0.80	0.85	0.88	0.94	0.97
RC	5	5	4	4	4	4	4	4	4	4	4	3

Zonal Flux per 1000 Lumen

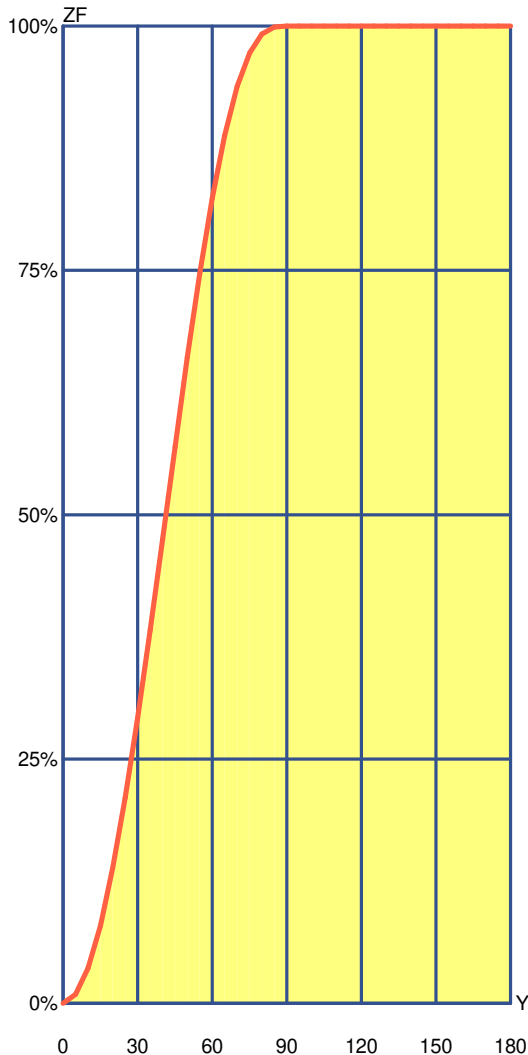
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	36	139	292	475	661	824	938	992	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

50 82 97 100 100

C.I.E. 5/5/4/4/4/4/4/4/4/3  
D DIN 5040 A30  
F UTE 1.00 E  
B NBN BZ 4  
RN 0.00000 %  
BLF 1.0

LOR 100.00000 %  
ULOR 0.00000 %  
DLOR 100.00000 %  
UFF 0.00000 %  
DFF 100.00000 %  
FFR 0.00000 %



Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00%
5°	9.09	9.09	0.91%	0.91%
10°	26.91	36.00	2.69%	3.60%
15°	43.69	79.69	4.37%	7.97%
20°	58.82	138.51	5.88%	13.85%
25°	71.73	210.24	7.17%	21.02%
30°	82.01	292.25	8.20%	29.23%
35°	89.34	381.59	8.93%	38.16%
40°	93.44	475.04	9.34%	47.50%
45°	94.28	569.32	9.43%	56.93%
50°	91.75	661.07	9.18%	66.11%
55°	85.87	746.94	8.59%	74.69%
60°	76.72	823.66	7.67%	82.37%
65°	64.59	888.25	6.46%	88.82%
70°	50.07	938.32	5.01%	93.83%
75°	34.26	972.58	3.43%	97.26%
80°	19.09	991.68	1.91%	99.17%
85°	7.22	998.90	0.72%	99.89%
90°	1.10	1000.00	0.11%	100.00%
95°	0.00	1000.00	0.00%	100.00%
100°	0.00	1000.00	0.00%	100.00%
105°	0.00	1000.00	0.00%	100.00%
110°	0.00	1000.00	0.00%	100.00%
115°	0.00	1000.00	0.00%	100.00%
120°	0.00	1000.00	0.00%	100.00%
125°	0.00	1000.00	0.00%	100.00%
130°	0.00	1000.00	0.00%	100.00%
135°	0.00	1000.00	0.00%	100.00%
140°	0.00	1000.00	0.00%	100.00%
145°	0.00	1000.00	0.00%	100.00%
150°	0.00	1000.00	0.00%	100.00%
155°	0.00	1000.00	0.00%	100.00%
160°	0.00	1000.00	0.00%	100.00%
165°	0.00	1000.00	0.00%	100.00%
170°	0.00	1000.00	0.00%	100.00%
175°	0.00	1000.00	0.00%	100.00%
180°	0.00	1000.00	0.00%	100.00%

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Luminaire Flux	729 lm	Luminaire Power	11.6 W	Efficacy	62.858 lm/W	Efficiency	100.00%
Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

## 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	215	193	168	151	184	144	111	94	86	73	46	35	17	12	68	37	33	14	11	31	12	10	0	0.80	248	228	178	164	217	157	139	122	97	86	55	44	23	17	80	46	42	20	16	39	17	15	0	1.00	271	252	179	167	239	160	162	145	104	93	62	51	29	23	87	53	48	25	22	46	22	20	0	1.25	290	273	175	166	260	159	185	168	108	99	68	58	36	29	93	59	55	32	28	52	28	25	0	1.50	304	289	171	163	275	157	204	188	110	102	73	63	42	35	96	64	60	37	33	57	34	31	0	2.00	321	309	160	154	294	149	233	218	111	104	79	71	52	44	99	71	68	47	43	65	43	40	0	2.50	333	322	151	147	308	143	254	240	111	105	83	76	59	52	100	76	73	54	50	70	50	47	0	3.00	341	332	145	142	317	138	269	257	110	106	86	80	65	58	101	79	77	60	56	74	56	53	0	4.00	353	345	137	135	330	131	291	281	110	107	90	85	73	67	102	85	82	69	65	80	65	61	0	5.00	360	354	132	130	339	127	306	297	110	107	93	89	79	74	103	88	86	75	71	83	71	67	0	10.00	376	373	121	120	358	118	340	334	109	107	100	98	92	88	104	96	95	88	86	92	85	82	0	20.00	385	383	115	114	368	113	359	356	108	107	104	102	99	97	105	100	100	96	95	97	94	91	0

## 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	459	448	400	392	441	387	348	340	312	307	262	258	225	224	304	258	257	224	223	256	223	223	203	0.80	514	502	433	425	492	419	401	392	350	344	300	295	263	260	340	295	293	261	260	292	260	259	235	1.00	549	536	449	442	525	436	438	428	372	367	325	320	288	285	361	319	317	286	284	315	284	283	255	1.25	578	566	459	453	552	446	471	460	390	385	346	341	311	307	378	339	337	308	306	334	305	303	273	1.50	598	587	465	460	571	452	496	485	402	397	361	356	328	324	389	354	351	324	322	348	321	318	286	2.00	616	606	459	455	587	448	523	512	407	402	373	367	344	339	394	364	362	339	336	357	334	331	294	2.50	625	616	452	449	596	442	540	530	407	404	378	373	353	348	395	369	367	347	344	362	342	337	298	3.00	629	621	444	442	599	434	549	540	405	402	379	375	357	352	392	370	368	350	348	362	344	339	298	4.00	639	632	439	437	608	430	568	559	407	404	386	382	367	363	394	376	374	359	357	367	353	346	302	5.00	646	641	436	435	615	428	581	574	409	406	391	388	375	371	396	381	379	367	364	371	359	352	306	10.00	660	657	428	427	628	420	608	604	410	409	400	398	390	388	397	389	388	380	379	378	371	362	312	20.00	655	653	411	410	623	404	612	609	398	398	393	392	388	386	386	381	380	376	375	370	366	356	303
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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	608	596	568	558	588	553	474	466	457	451	392	387	345	343	447	387	386	343	342	384	342	342	325	0.80	718	704	661	652	692	644	579	568	552	545	486	480	436	433	539	480	477	434	433	475	432	431	413	1.00	804	789	732	723	774	714	664	652	628	621	564	557	515	511	613	556	554	511	509	550	509	506	489	1.25	883	869	796	788	850	777	747	734	700	693	639	632	591	586	682	630	627	587	584	622	583	580	563	1.50	942	928	841	834	906	823	810	796	752	746	696	688	650	644	734	685	682	644	641	676	639	635	619	2.00	1000	1000	905	899	988	887	905	891	830	824	782	774	741	735	810	769	766	733	730	758	726	721	706	2.50	1000	1000	944	939	1000	927	968	955	878	873	837	830	801	794	858	822	820	791	788	810	783	776	762	3.00	1000	1000	970	966	1000	953	1000	1000	912	907	876	869	844	837	891	860	858	833	829	847	823	814	802	4.00	1000	1000	1000	997	1000	985	1000	1000	952	949	923	917	897	890	931	906	904	884	880	891	872	861	849	5.00	1000	1000	1000	1000	1000	1000	1000	1000	976	973	952	947	930	923	955	934	932	915	911	918	901	889	878	10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	999	995	991	981	979	973	964	948	938	20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	998	980	970
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LM53 SHR C0-C180: 1.226 SHR C90-C270: 1.226 SHR Square: 1.345



# LEDS C4<sup>®</sup>

## Luminaire

Code 55-E023-Z5-OU\_4000K  
Name MODIS

## Measurem.

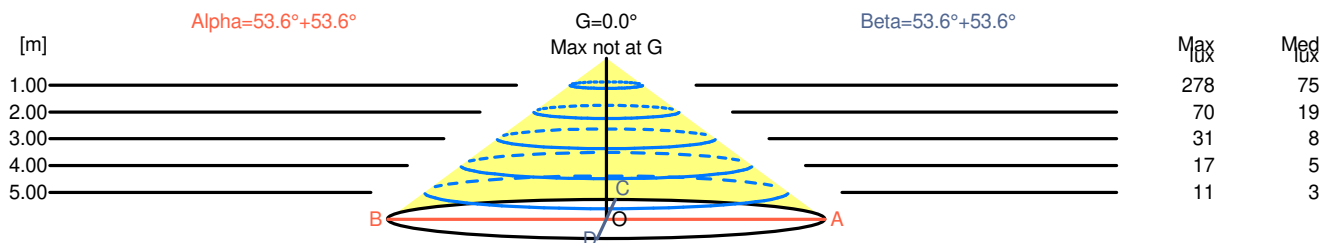
Code 55-E023-Z5-OU\_4000K  
Name MODIS

Luminaire Flux	729 lm	Luminaire Power	11.6 W	Efficacy	62.858 lm/W	Efficiency	100.00%
Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

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	1.36	2.72	4.08	5.44	6.79	OC	1.36	2.72	4.07	5.43	6.79
OB	1.36	2.72	4.08	5.44	6.79	OD	1.36	2.72	4.07	5.43	6.79

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	277.93	277.49	265.34	244.09	213.18	176.26	132.72	84.76	36.35	4.26
OB	277.93	277.49	265.34	244.09	213.18	176.26	132.72	84.76	36.35	4.26
OC	277.93	276.57	265.26	243.42	213.36	176.33	132.95	84.63	36.27	3.81
OD	277.93	276.57	265.26	243.42	213.36	176.33	132.95	84.63	36.27	3.81



H[m]	D[m]	Max lux	Med lux	Alpha=53.6°+53.6°	G=0.0 Max not at G	
1.00	2.72	278	75			
2.00	5.44	70	19			
3.00	8.15	31	8			
4.00	10.87	17	5			
5.00	13.59	11	3			

H[m]	D[m]	Max lux	Med lux	Beta=53.6°+53.6°	G=0.0 Max not at G	
1.00	2.72	278	75			
2.00	5.43	70	19			
3.00	8.15	31	8			
4.00	10.86	17	5			
5.00	13.58	11	3			

# LEDS C4<sup>®</sup>

**Luminaire**

Code 55-E023-Z5-OU\_4000K

Name MODIS

**Measurment.**

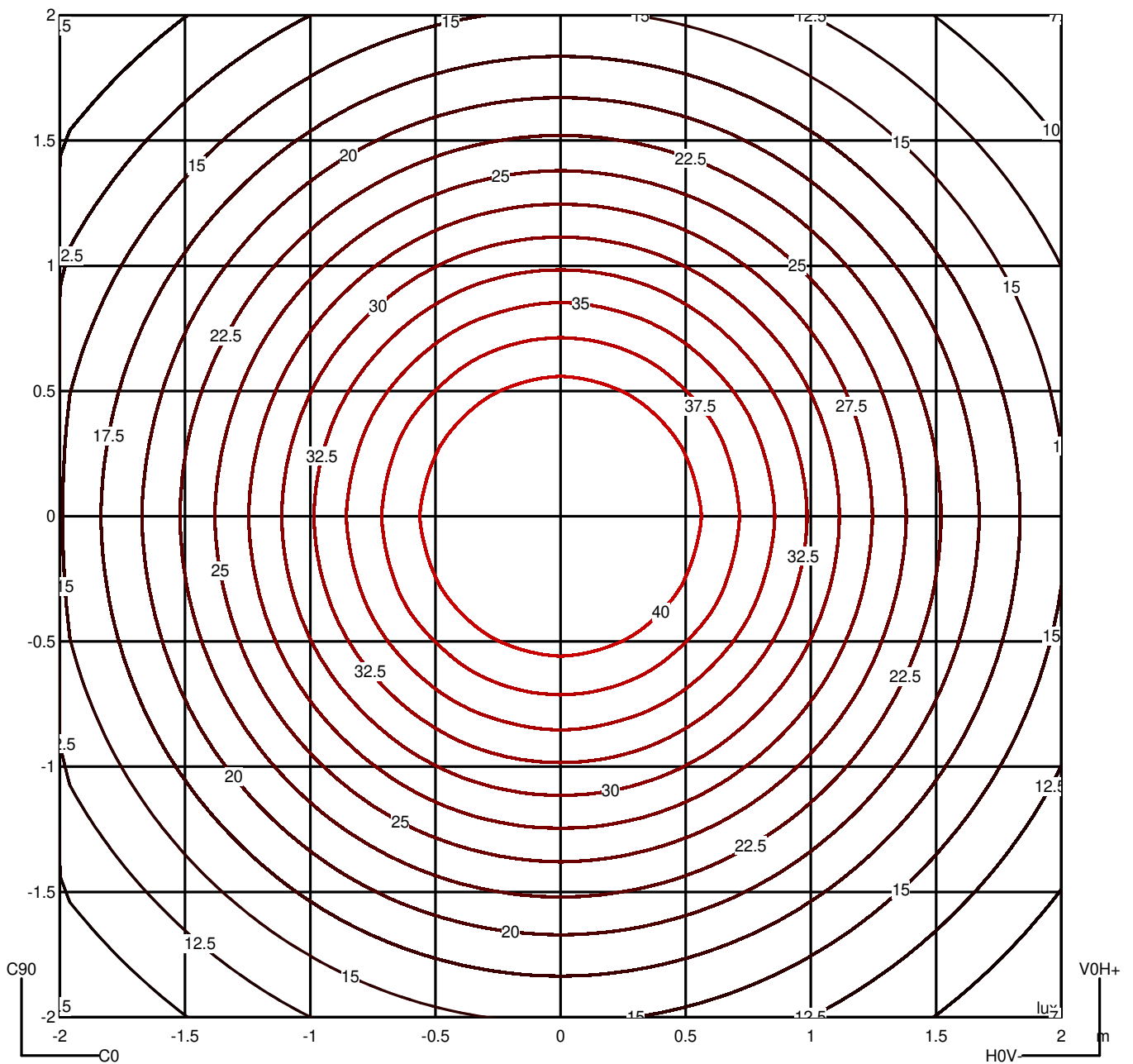
Code 55-E023-Z5-OU\_4000K

Name MODIS

Luminaire Flux	729 lm	Luminaire Power	11.6 W	Efficacy	62.858 lm/W	Efficiency	100.00%
Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

Isolux (Floor)

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



# LEDS C4<sup>®</sup>

**Luminaire**

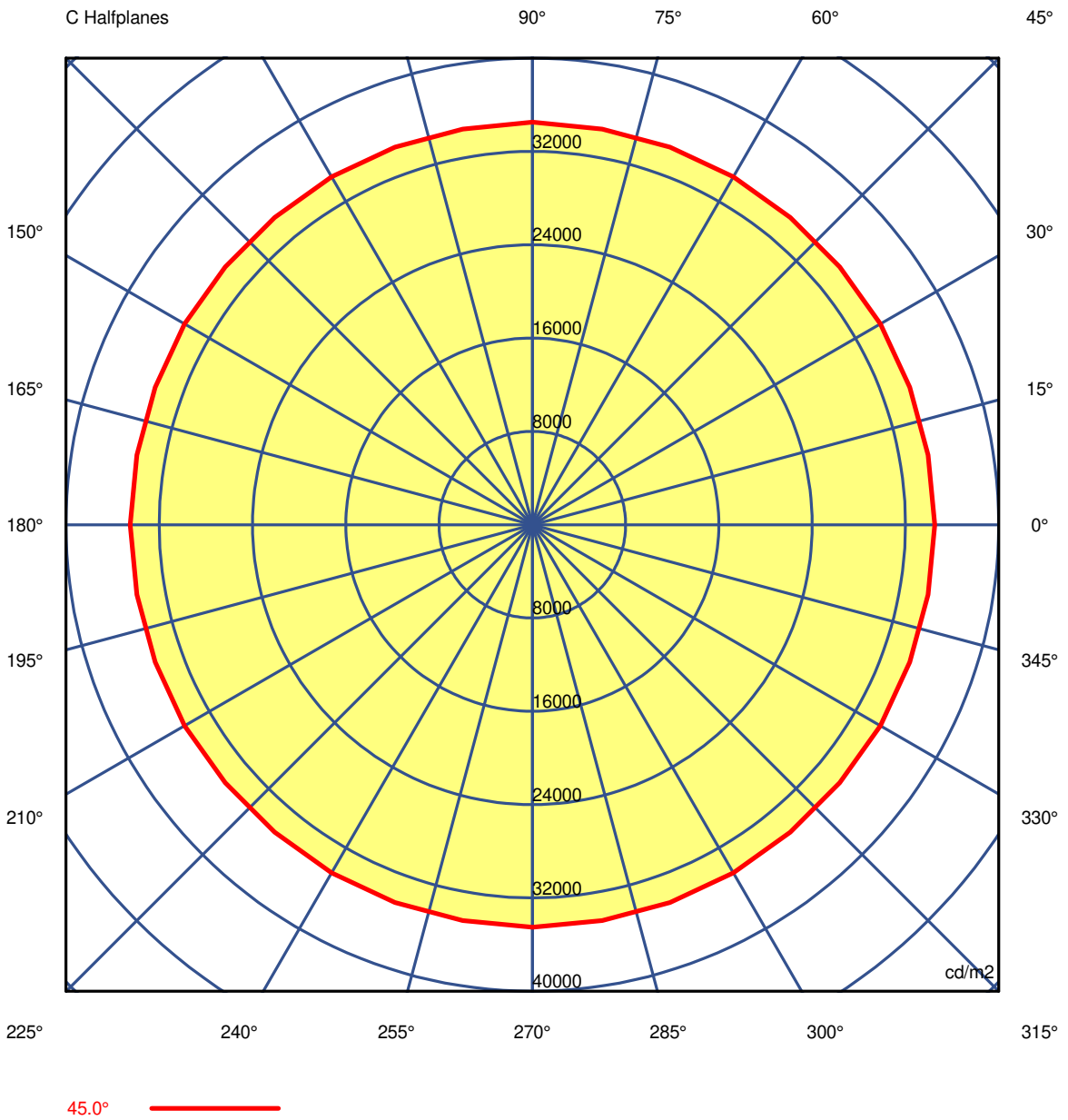
Code 55-E023-Z5-OU\_4000K  
 Name MODIS

**Measurem.**

Code 55-E023-Z5-OU\_4000K  
 Name MODIS

Luminaire Flux	729 lm	Luminaire Power	11.6 W	Efficacy	62.858 lm/W	Efficiency	100.00%
Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

Luminance



# LEDS C4<sup>+</sup>

## Luminaire

Code 55-E023-Z5-OU\_4000K  
Name MODIS

## Measurement

Code 55-E023-Z5-OU\_4000K  
Name MODIS

Luminaire Flux	729 lm	Luminaire Power	11.6 W	Efficacy	62.858 lm/W	Efficiency	100.00%
Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

### 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	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76
G 5.0	38553.70	38414.42	38378.58	38407.68	38379.07	38388.39	38436.15	38416.62	38400.51	38425.77	38400.51	38416.62	38436.15
G 10.0	38296.42	38239.59	38210.15	38196.60	38170.11	38183.27	38236.44	38271.97	38292.01	38307.72	38292.01	38271.97	38236.44
G 15.0	38020.74	37984.31	37984.69	37992.68	37949.34	37933.95	37969.48	37998.68	38007.40	38009.37	38007.40	37998.68	37969.48
G 20.0	37709.36	37597.60	37581.79	37617.21	37581.29	37589.24	37651.12	37654.64	37671.16	37730.69	37671.16	37654.64	37651.12
G 25.0	37275.87	37161.97	37141.69	37162.03	37174.27	37159.27	37131.75	37109.66	37124.17	37174.70	37124.17	37109.66	37131.75
G 30.0	36745.12	36637.39	36608.42	36611.18	36587.63	36594.91	36643.72	36669.37	36671.52	36663.59	36671.52	36669.37	36643.72
G 35.0	36020.69	36036.52	36031.62	36007.98	35988.18	35987.23	36008.24	36040.25	36056.00	36050.40	36056.00	36040.25	36008.24
G 40.0	35395.17	35296.66	35281.47	35307.78	35264.01	35249.17	35292.90	35318.71	35319.39	35307.14	35319.39	35318.71	35292.90
G 45.0	34501.34	34442.51	34437.88	34446.57	34389.20	34399.73	34469.93	34456.17	34454.72	34514.66	34454.72	34456.17	34469.93
G 50.0	33488.95	33393.64	33368.61	33373.18	33372.14	33386.06	33411.90	33390.03	33403.68	33481.02	33403.68	33390.03	33411.90
G 55.0	32027.13	32041.08	32065.75	32068.79	32014.03	32014.04	32070.80	32070.15	32073.93	32082.15	32073.93	32070.15	32070.80
G 60.0	30231.58	30213.68	30228.67	30252.00	30231.71	30229.94	30263.34	30284.54	30288.52	30283.19	30288.52	30284.54	30263.34
G 65.0	27759.69	27682.15	27695.20	27740.96	27687.07	27681.41	27735.84	27710.93	27688.63	27714.93	27688.63	27710.93	27735.84
G 70.0	24186.17	24154.36	24154.95	24175.55	24175.55	24177.56	24188.94	24190.12	24180.10	24163.95	24180.10	24190.12	24188.94
G 75.0	19436.88	19455.17	19437.93	19407.58	19415.80	19405.76	19375.17	19381.82	19393.14	19397.73	19393.14	19381.82	19375.17
G 80.0	13395.09	13419.50	13409.68	13361.82	13302.59	13259.44	13243.37	13241.30	13229.38	13193.12	13229.38	13241.30	13243.37
G 85.0	6772.98	6781.34	6765.32	6679.47	6496.66	6341.53	6271.00	6232.64	6162.72	6049.77	6162.72	6232.64	6271.00
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# LEDS C4<sup>2</sup>

## Luminaire

Code 55-E023-Z5-OU\_4000K  
Name MODIS

## Measurement

Code 55-E023-Z5-OU\_4000K  
Name MODIS

Luminaire Flux	729 lm	Luminaire Power	11.6 W	Efficacy	62.858 lm/W	Efficiency	100.00%
Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

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	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76
G 5.0	38388.39	38379.07	38407.68	38378.58	38414.42	38553.70	38414.42	38378.58	38407.68	38379.07	38388.39	38436.15	38416.62
G 10.0	38183.27	38170.11	38196.60	38210.15	38239.59	38296.42	38239.59	38210.15	38196.60	38170.11	38183.27	38236.44	38271.97
G 15.0	37933.95	37949.34	37992.68	37984.69	37984.31	38020.74	37984.31	37984.69	37992.68	37949.34	37933.95	37969.48	37998.68
G 20.0	37589.24	37581.29	37617.21	37581.79	37597.60	37709.36	37597.60	37581.79	37617.21	37581.29	37589.24	37651.12	37654.64
G 25.0	37159.27	37174.27	37162.03	37141.69	37161.97	37275.87	37161.97	37141.69	37162.03	37174.27	37159.27	37131.75	37109.66
G 30.0	36594.91	36587.63	36611.18	36608.42	36637.39	36745.12	36637.39	36608.42	36611.18	36587.63	36594.91	36643.72	36669.37
G 35.0	35987.23	35988.18	36007.98	36031.62	36036.52	36020.69	36036.52	36031.62	36007.98	35988.18	35987.23	36008.24	36040.25
G 40.0	35249.17	35264.01	35307.78	35281.47	35296.66	35395.17	35296.66	35281.47	35307.78	35264.01	35249.17	35292.90	35318.71
G 45.0	34399.73	34389.20	34446.57	34437.88	34442.51	34501.34	34442.51	34437.88	34446.57	34389.20	34399.73	34469.93	34456.17
G 50.0	33386.06	33372.14	33373.18	33368.61	33393.64	33488.95	33393.64	33368.61	33373.18	33372.14	33386.06	33411.90	33390.03
G 55.0	32014.04	32014.03	32068.79	32065.75	32041.08	32027.13	32041.08	32065.75	32068.79	32014.03	32014.04	32070.80	32070.15
G 60.0	30229.94	30231.71	30252.00	30228.67	30213.68	30231.58	30213.68	30228.67	30252.00	30231.71	30229.94	30263.34	30284.54
G 65.0	27681.41	27687.07	27740.96	27695.20	27682.15	27759.69	27682.15	27695.20	27740.96	27687.07	27681.41	27735.84	27710.93
G 70.0	24177.56	24175.55	24175.55	24154.95	24154.36	24186.17	24154.36	24154.95	24175.55	24177.56	24177.56	24188.94	24190.12
G 75.0	19405.76	19415.80	19407.58	19437.93	19455.17	19436.88	19455.17	19437.93	19407.58	19415.80	19405.76	19375.17	19381.82
G 80.0	13259.44	13302.59	13361.82	13409.68	13419.50	13395.09	13419.50	13409.68	13361.82	13302.59	13259.44	13243.37	13241.30
G 85.0	6341.53	6496.66	6679.47	6765.32	6781.34	6772.98	6781.34	6765.32	6679.47	6496.66	6341.53	6271.00	6232.64
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# LEDS C4<sup>®</sup>

## Luminaire

Code 55-E023-Z5-OU\_4000K  
Name MODIS

## Measur.

Code 55-E023-Z5-OU\_4000K  
Name MODIS

Luminaire Flux	729 lm	Luminaire Power	11.6 W	Efficacy	62.858 lm/W	Efficiency	100.00%
Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

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	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76	38467.76
G 5.0	38400.51	38425.77	38400.51	38416.62	38436.15	38388.39	38379.07	38407.68	38378.58	38414.42
G 10.0	38292.01	38307.72	38292.01	38271.97	38236.44	38183.27	38170.11	38196.60	38210.15	38239.59
G 15.0	38007.40	38009.37	38007.40	37998.68	37969.48	37933.95	37949.34	37992.68	37984.69	37984.31
G 20.0	37671.16	37730.69	37671.16	37654.64	37651.12	37589.24	37581.29	37617.21	37581.79	37597.60
G 25.0	37124.17	37174.70	37124.17	37109.66	37131.75	37159.27	37174.27	37162.03	37141.69	37161.97
G 30.0	36671.52	36663.59	36671.52	36669.37	36643.72	36594.91	36587.63	36611.18	36608.42	36637.39
G 35.0	36056.00	36050.40	36056.00	36040.25	36008.24	35987.23	35988.18	36007.98	36031.62	36036.52
G 40.0	35319.39	35307.14	35319.39	35318.71	35292.90	35249.17	35264.01	35307.78	35281.47	35296.66
G 45.0	34454.72	34514.66	34454.72	34456.17	34469.93	34399.73	34389.20	34446.57	34437.88	34442.51
G 50.0	33403.68	33481.02	33403.68	33390.03	33411.90	33386.06	33372.14	33373.18	33368.61	33393.64
G 55.0	32073.93	32082.15	32073.93	32070.15	32070.80	32014.04	32014.03	32068.79	32065.75	32041.08
G 60.0	30288.52	30283.19	30288.52	30284.54	30263.34	30229.94	30231.71	30252.00	30228.67	30213.68
G 65.0	27688.63	27714.93	27688.63	27710.93	27735.84	27681.41	27687.07	27740.96	27695.20	27682.15
G 70.0	24180.10	24163.95	24180.10	24190.12	24188.94	24177.56	24175.55	24175.55	24154.95	24154.36
G 75.0	19393.14	19397.73	19393.14	19381.82	19375.17	19405.76	19415.80	19407.58	19437.93	19455.17
G 80.0	13229.38	13193.12	13229.38	13241.30	13243.37	13259.44	13302.59	13361.82	13409.68	13419.50
G 85.0	6162.72	6049.77	6162.72	6232.64	6271.00	6341.53	6496.66	6679.47	6765.32	6781.34
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# LEDS C4<sup>2</sup>

## Luminaire

Code 55-E023-Z5-OU\_4000K

Name MODIS

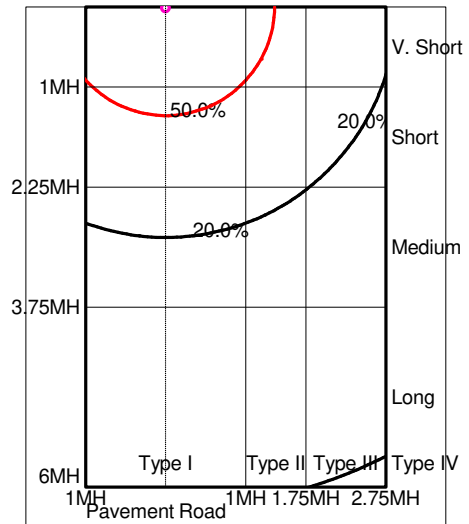
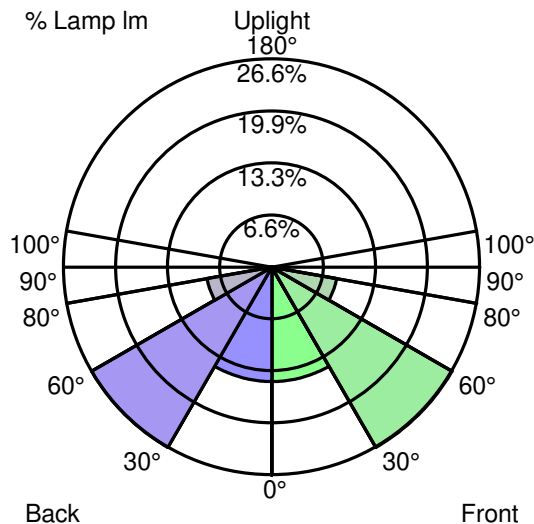
## Measurement

Code 55-E023-Z5-OU\_4000K

Name MODIS

Luminaire Flux	729 lm	Luminaire Power	11.6 W	Efficacy	62.858 lm/W	Efficiency	100.00%
Source Flux	729 lm	Maximum value	382.01 cd/klm	Position	C=0.00 G=1.00	CG	Double Symmetrical

## US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp
FL	0° -- 30°	106.5 lm	14.6 %
FM	30° -- 60°	193.8 lm	26.6 %
FH	60° -- 80°	61.3 lm	8.4 %
FVH	80° -- 90°	3.0 lm	0.4 %
BL	0° -- 30°	106.5 lm	14.6 %
BM	30° -- 60°	193.8 lm	26.6 %
BH	60° -- 80°	61.3 lm	8.4 %
BVH	80° -- 90°	3.0 lm	0.4 %
UL	90° -- 100°	0.0 lm	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %
TOTALS		729.2 lm	100.0 %
BUG B0 U0 G0		Type V Very Short	Quadrilateral Symmetry