

LEDS C4[®]

Luminaria

Código 10-E055-DC-CL
Nombre ROW

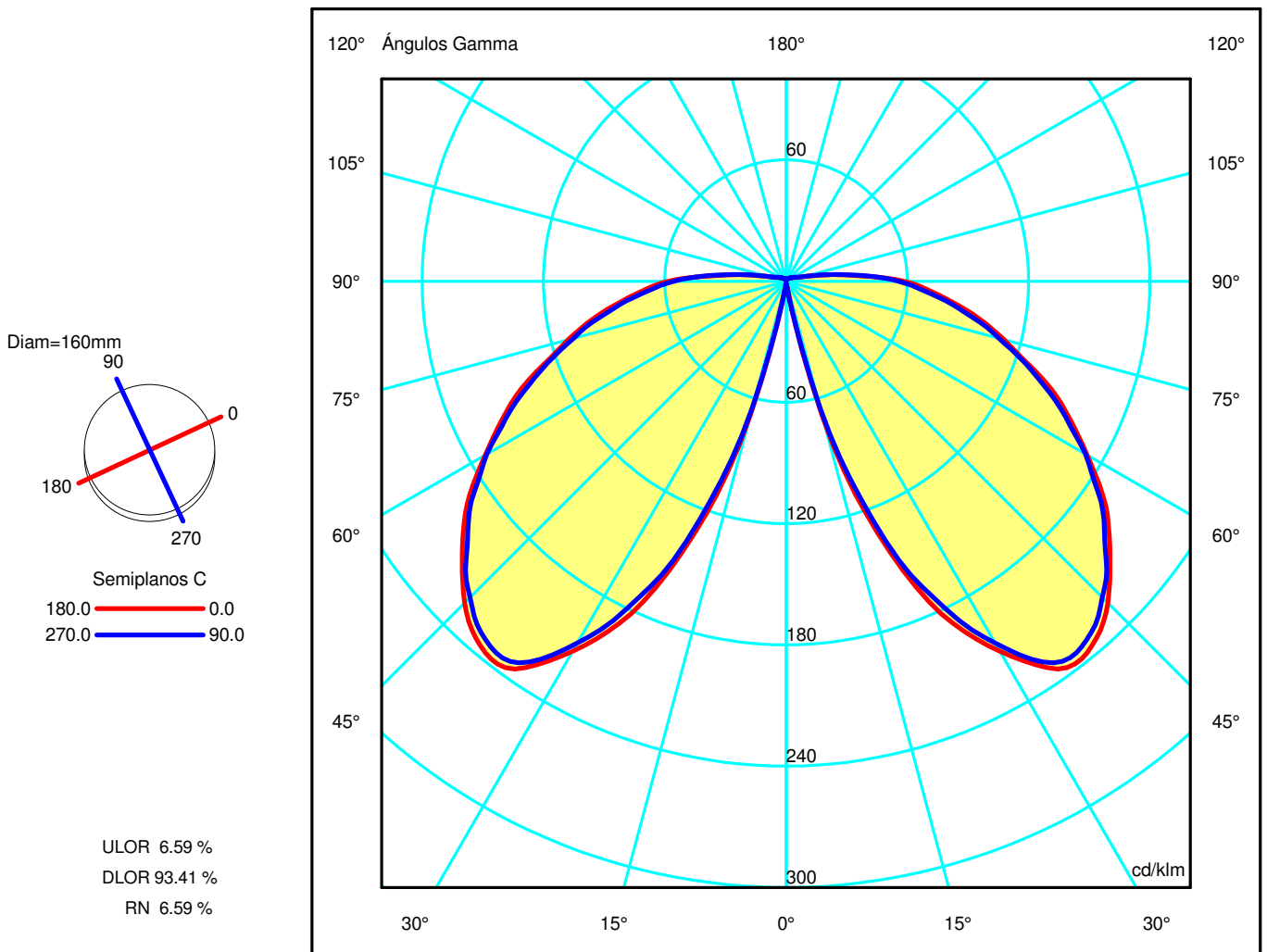
Ensayo

Código 10-E055-DC-CL
Nombre ROW

Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	CG	Bisimétrico
Luminaria Redonda		Diam.	160 mm	Altura	80 mm		
Área Luminosa Redonda		Diam.	140 mm	Altura	0 mm		
Área Luminosa Horizontal	0.015394 m2			Área Emisión sobre Pl. 180°	0.000000 m2		
Área Emisión sobre Pl. 0°	0.000000 m2			Área Emisión sobre Pl. 270°	0.000000 m2		
Área Emisión sobre Pl. 90°	0.000000 m2			Área de deslumbramiento a 76°	0.003724 m2		
Sist. de Coorden.	CG			Tipo de Simetría	Bisimétrico		
Fecha	14-12-2018			Máximo Ángulo Gamma	180		
Distancia de Ensayo	0.00			Flujo de Ensayo	1071.26 lm		
Operador	qualitat			Tensión de alimentación [V]			
Temperatura	25.00 °C			Corriente de alimentación [A]			
Humedad	60.00 %			Fotocélula			
Notas							

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	10-E055-DC-CL	10-E055-DC-CL	1071.26	19.30	1
C.I.E.	29 63 86 93 100	D DIN 5040	A11		
F UTE	0.93 H + 0.07 T	B NBN	BZ 7 / 1.25 / BZ 6		



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Tabla de Intensidad Luminosa cd/klm Tabla 1/1

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	1.11	1.11	1.11	1.11	1.11	1.11	1.11
G 2.5	1.16	1.11	1.15	1.16	1.22	1.18	1.21
G 5.0	1.37	1.30	1.36	1.34	1.38	1.37	1.40
G 7.5	1.68	2.02	2.48	1.87	2.61	1.63	2.58
G 10.0	4.99	6.88	7.94	5.80	9.72	4.71	8.20
G 12.5	28.85	25.54	28.65	27.34	28.89	25.48	27.38
G 15.0	68.85	61.16	64.48	63.61	63.50	67.31	64.98
G 17.5	104.84	104.76	102.61	104.04	102.25	100.92	97.56
G 20.0	132.71	136.57	134.77	135.95	132.79	128.91	125.99
G 22.5	159.22	159.51	160.58	161.22	157.78	154.50	153.84
G 25.0	181.41	178.26	180.90	180.88	176.38	177.81	172.73
G 27.5	197.64	195.90	197.97	196.19	193.71	193.62	191.98
G 30.0	211.47	211.40	211.43	211.02	208.28	207.80	206.75
G 32.5	223.84	224.99	223.52	224.01	218.99	220.53	220.61
G 35.0	234.19	233.66	232.08	233.43	227.10	230.54	230.46
G 37.5	237.34	236.18	234.67	235.37	229.67	233.33	233.35
G 40.0	235.41	233.89	232.66	232.70	227.91	231.19	231.42
G 42.5	231.33	228.52	228.52	227.93	222.96	226.94	227.58
G 45.0	225.03	222.61	222.32	221.98	216.46	221.55	221.17
G 47.5	217.16	215.98	215.49	214.33	210.07	213.63	215.00
G 50.0	209.16	208.83	207.47	207.04	202.69	205.73	206.13
G 52.5	201.13	199.80	199.43	199.04	194.37	198.12	198.33
G 55.0	192.82	190.39	190.32	190.06	186.57	189.86	190.17
G 57.5	182.49	181.61	180.91	180.94	177.48	180.80	179.81
G 60.0	171.78	172.42	171.01	171.09	169.11	169.24	170.91
G 62.5	162.14	162.37	161.27	161.27	159.80	159.56	159.82
G 65.0	152.70	151.70	151.56	151.49	148.84	150.14	150.30
G 67.5	143.22	140.58	141.39	141.14	139.02	140.30	139.61
G 70.0	131.63	131.02	131.02	130.91	129.25	129.21	129.23
G 72.5	120.52	121.74	121.09	121.08	120.01	118.15	118.97
G 75.0	111.51	110.94	111.16	111.45	110.19	108.99	108.87
G 77.5	102.60	101.10	102.39	101.83	100.19	100.07	100.28
G 80.0	93.52	92.45	92.89	93.35	91.00	91.62	89.99
G 82.5	84.02	84.19	84.11	83.28	82.69	81.28	81.63
G 85.0	75.09	76.24	75.51	75.22	73.70	72.28	71.90
G 87.5	67.13	66.81	66.59	66.42	64.76	64.38	63.82
G 90.0	58.45	56.83	57.19	57.74	56.26	56.20	55.69
G 92.5	45.53	45.28	46.80	48.33	47.05	45.66	45.43
G 95.0	33.31	34.37	37.37	39.28	38.11	32.78	34.97
G 97.5	24.84	25.56	29.82	31.67	29.99	24.64	25.02
G100.0	17.43	18.28	23.24	25.20	22.24	18.01	17.83
G102.5	12.38	13.09	16.96	18.46	16.63	13.25	12.17
G105.0	8.84	9.58	12.40	13.24	12.23	9.62	8.85
G107.5	6.60	7.47	9.25	9.74	9.26	7.26	6.87
G110.0	5.46	5.88	7.27	7.59	7.23	6.08	5.88
G112.5	4.82	5.01	6.13	6.34	6.02	5.27	5.27
G115.0	4.40	4.59	5.39	5.82	5.40	4.80	4.65
G117.5	3.98	4.25	5.02	5.40	5.03	4.32	4.12
G120.0	3.56	3.88	4.65	5.00	4.65	3.92	3.65
G122.5	3.22	3.46	4.26	4.64	4.30	3.59	3.32
G125.0	2.91	3.09	3.90	4.23	3.93	3.28	3.02
G127.5	2.60	2.81	3.55	3.89	3.60	2.97	2.76
G130.0	2.36	2.59	3.24	3.51	3.31	2.69	2.58
G132.5	2.23	2.38	2.95	3.17	3.01	2.48	2.38
G135.0	2.07	2.18	2.68	2.88	2.72	2.29	2.17
G137.5	1.91	2.02	2.44	2.61	2.48	2.12	1.99
G140.0	1.75	1.85	2.20	2.35	2.25	1.91	1.85
G142.5	1.64	1.71	1.99	2.13	2.03	1.76	1.71
G145.0	1.55	1.59	1.81	1.92	1.83	1.62	1.58
G147.5	1.47	1.47	1.64	1.73	1.65	1.49	1.49
G150.0	1.40	1.37	1.49	1.57	1.52	1.39	1.37
G152.5	1.30	1.27	1.37	1.42	1.39	1.29	1.28
G155.0	1.22	1.21	1.26	1.30	1.28	1.21	1.20
G157.5	1.12	1.11	1.16	1.20	1.17	1.13	1.12
G160.0	1.06	1.05	1.07	1.10	1.09	1.07	1.08
G162.5	1.00	0.99	1.01	1.03	1.02	1.02	1.03
G165.0	0.95	0.95	0.95	0.96	0.96	0.97	0.99
G167.5	0.91	0.92	0.91	0.91	0.93	0.93	0.95
G170.0	0.87	0.87	0.87	0.87	0.88	0.89	0.91
G172.5	0.84	0.82	0.84	0.85	0.86	0.86	0.86
G175.0	0.79	0.80	0.81	0.80	0.82	0.82	0.83
G177.5	0.79	0.79	0.78	0.79	0.80	0.80	0.81
G180.0	0.78	0.78	0.78	0.78	0.78	0.78	0.78

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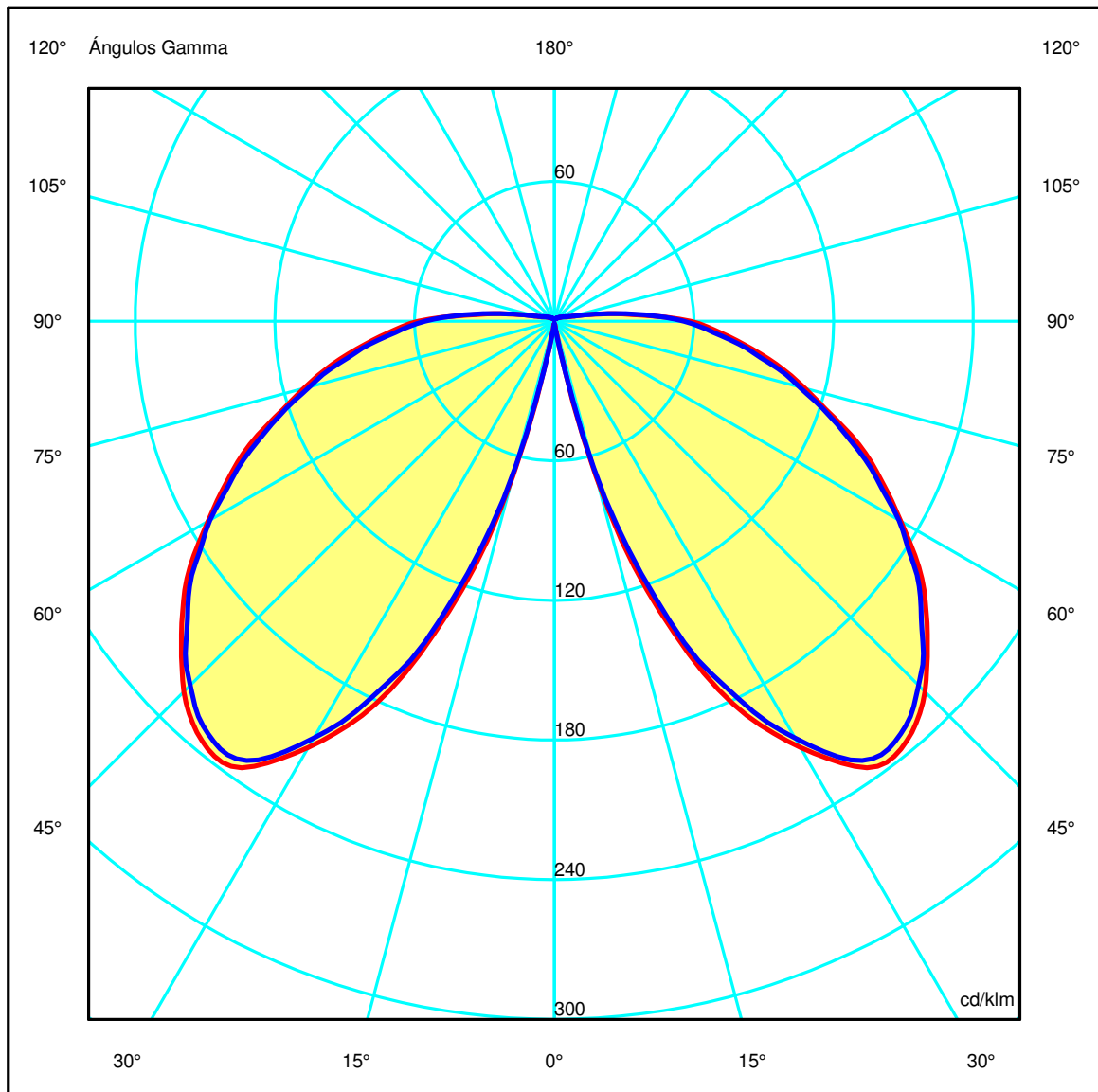
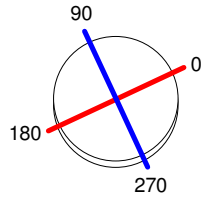
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Diam=160mm

Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



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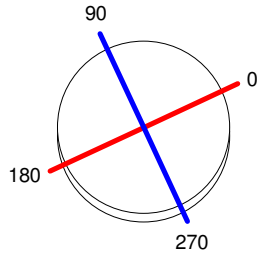
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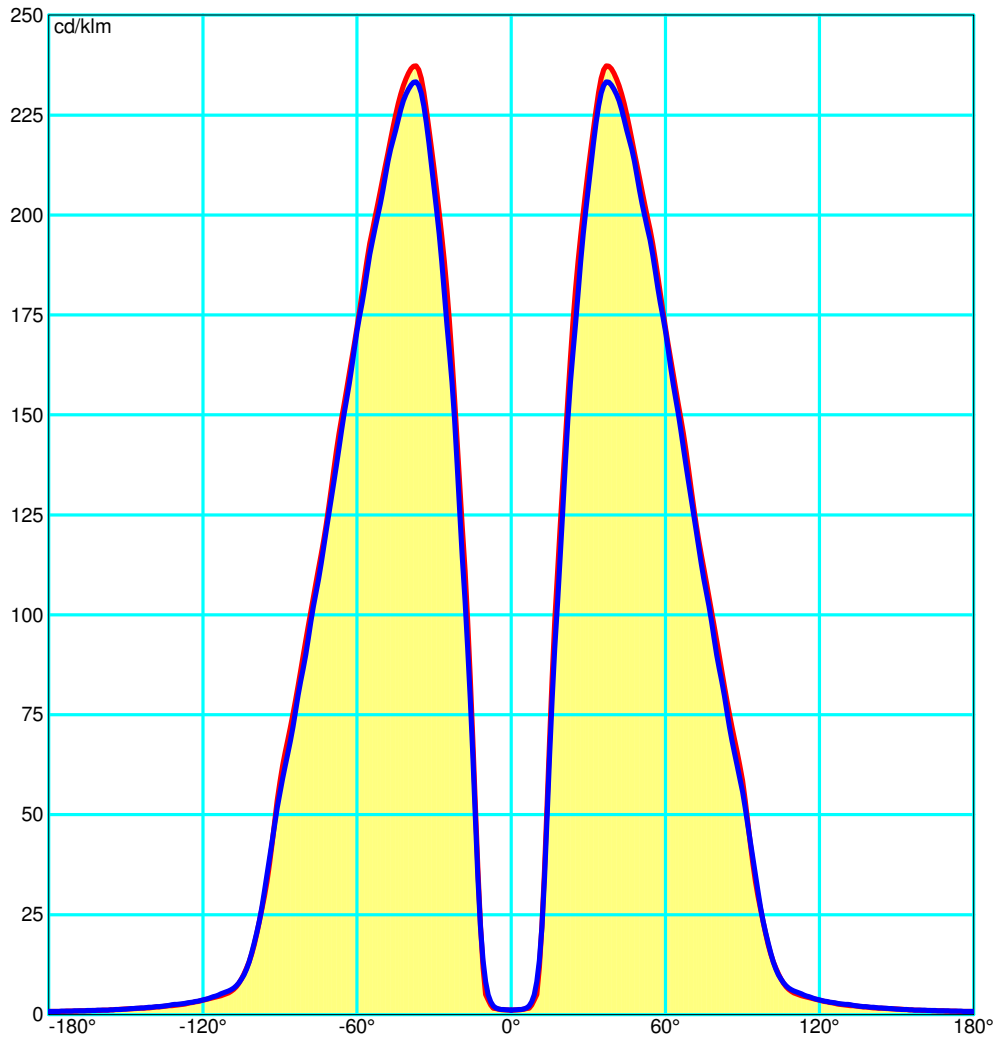
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Diam=160mm



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180.0 ———— 0.0
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UGR
S = 0.250

Reflectancias										
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	23.4	24.9	23.8	25.3	25.7	23.3	24.9	23.8	25.2	25.6
x=2H y=3H	25.7	27.1	26.2	27.5	27.9	25.6	27.0	26.1	27.4	27.8
x=2H y=4H	26.9	28.2	27.3	28.6	29.0	26.7	28.0	27.2	28.5	28.9
x=2H y=6H	28.1	29.3	28.6	29.7	30.2	28.0	29.2	28.4	29.6	30.1
x=2H y=8H	28.7	29.9	29.2	30.3	30.8	28.6	29.8	29.1	30.2	30.7
x=2H y=12H	29.5	30.6	30.0	31.1	31.5	29.3	30.4	29.8	30.9	31.4
x=4H y=2H	24.4	25.7	24.8	26.1	26.5	24.3	25.6	24.7	26.0	26.4
x=4H y=3H	26.8	27.9	27.3	28.4	28.9	26.7	27.9	27.2	28.3	28.8
x=4H y=4H	28.1	29.2	28.6	29.6	30.1	28.0	29.1	28.5	29.5	30.0
x=4H y=6H	29.5	30.4	30.1	30.9	31.5	29.4	30.3	30.0	30.8	31.4
x=4H y=8H	30.3	31.1	30.8	31.7	32.2	30.2	31.0	30.7	31.5	32.1
x=4H y=12H	31.1	31.9	31.7	32.4	33.0	31.0	31.7	31.5	32.3	32.9
x=8H y=4H	28.8	29.6	29.3	30.1	30.7	28.7	29.5	29.2	30.0	30.6
x=8H y=6H	30.4	31.1	31.0	31.7	32.3	30.3	31.0	30.9	31.6	32.2
x=8H y=8H	31.3	32.0	31.9	32.5	33.1	31.2	31.8	31.8	32.4	33.0
x=8H y=12H	32.4	32.9	33.0	33.5	34.2	32.2	32.8	32.8	33.4	34.0
x=12H y=4H	28.9	29.6	29.4	30.2	30.8	28.8	29.6	29.4	30.1	30.7
x=12H y=6H	30.6	31.3	31.2	31.8	32.5	30.6	31.2	31.1	31.7	32.4
x=12H y=8H	31.7	32.2	32.3	32.8	33.5	31.6	32.1	32.2	32.7	33.3

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Flujo Total=1071.26 Flujo Luminaria=1071.26

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	0.17	0.25	0.32	0.39	0.45	0.54	0.61	0.66	0.72	0.76	0.86	0.92
RC	9	8	8	8	8	8	7	7	7	7	7	7

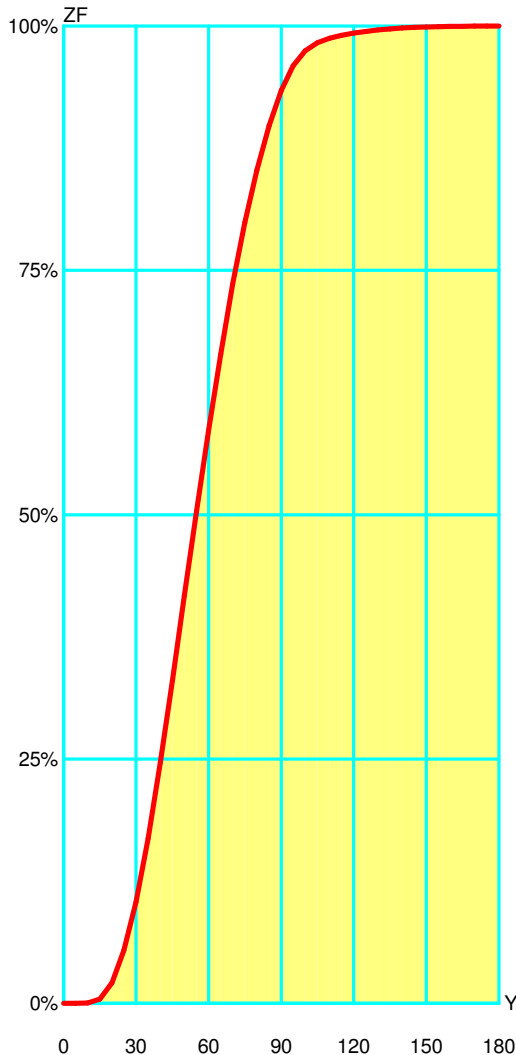
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	0	21	103	246	417	587	736	853	934	975	988	993	996	998	999	1000	1000	1000

Códigos de Flujo C.I.E.

29 63 86 93 100

C.I.E.	9/8/8/8/8/7/7/7/7/7/7	LOR	100.00000 %
D DIN 5040	A11	ULOR	6.58664 %
F UTE	0.93 H + 0.07 T	DLOR	93.41336 %
B NBN	BZ 7 / 1.25 / BZ 6	UFF	6.58664 %
RN	6.58664 %	DFF	93.41336 %
BLF	1.0	FFR	7.05107 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00%
5°	0.03	0.03	0.00%	0.00%
10°	0.24	0.27	0.02%	0.03%
15°	3.91	4.18	0.39%	0.42%
20°	16.79	20.97	1.68%	2.10%
25°	33.07	54.05	3.31%	5.40%
30°	49.38	103.43	4.94%	10.34%
35°	65.30	168.73	6.53%	16.87%
40°	77.72	246.45	7.77%	24.65%
45°	84.05	330.50	8.40%	33.05%
50°	86.50	416.99	8.65%	41.70%
55°	86.20	503.19	8.62%	50.32%
60°	83.35	586.54	8.33%	58.65%
65°	78.17	664.71	7.82%	66.47%
70°	71.19	735.90	7.12%	73.59%
75°	62.90	798.79	6.29%	79.88%
80°	54.17	852.97	5.42%	85.30%
85°	45.20	898.16	4.52%	89.82%
90°	35.97	934.13	3.60%	93.41%
95°	25.43	959.57	2.54%	95.96%
100°	15.27	974.83	1.53%	97.48%
105°	8.30	983.13	0.83%	98.31%
110°	4.47	987.60	0.45%	98.76%
115°	2.91	990.51	0.29%	99.05%
120°	2.28	992.79	0.23%	99.28%
125°	1.81	994.60	0.18%	99.46%
130°	1.42	996.02	0.14%	99.60%
135°	1.10	997.12	0.11%	99.71%
140°	0.84	997.96	0.08%	99.80%
145°	0.63	998.59	0.06%	99.86%
150°	0.47	999.06	0.05%	99.91%
155°	0.34	999.40	0.03%	99.94%
160°	0.24	999.64	0.02%	99.96%
165°	0.17	999.81	0.02%	99.98%
170°	0.11	999.92	0.01%	99.99%
175°	0.06	999.98	0.01%	100.00%
180°	0.02	1000.00	0.00%	100.00%

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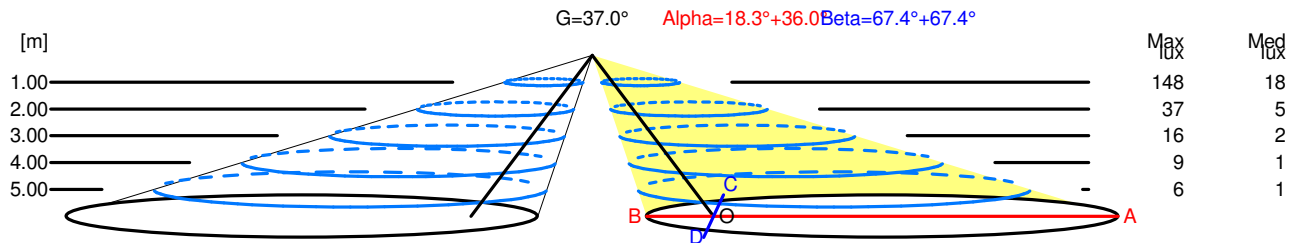
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Apertura a 50.00 % de Max Intensidad

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	2.52	5.03	7.55	10.06	12.58	OC	3.01	6.01	9.02	12.03	15.03
OB	0.42	0.83	1.25	1.66	2.08	OD	3.01	6.01	9.02	12.03	15.03

	Intensidades Luminosas [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	1.19	1.47	73.76	194.34	250.88	241.07	206.56	163.58	119.46	80.44
OB	1.19	1.47	73.76	194.34	250.88	241.07	206.56	163.58	119.46	80.44
OC	1.19	1.50	69.61	185.04	246.88	236.93	203.72	161.01	116.63	77.03
OD	1.19	1.50	69.61	185.04	246.88	236.93	203.72	161.01	116.63	77.03



H[m]	D[m]	Max lux	Med lux	Alpha=18.3°+36.0°	G=37.0
1.00	2.93	148	18		
2.00	5.86	37	5		
3.00	8.79	16	2		
4.00	11.72	9	1		
5.00	14.65	6	1		

H[m]	D[m]	Max lux	Med lux	Beta=67.4°+67.4°	G=0.0
1.00	6.01	148	18		
2.00	12.03	37	5		
3.00	18.04	16	2		
4.00	24.05	9	1		
5.00	30.06	6	1		

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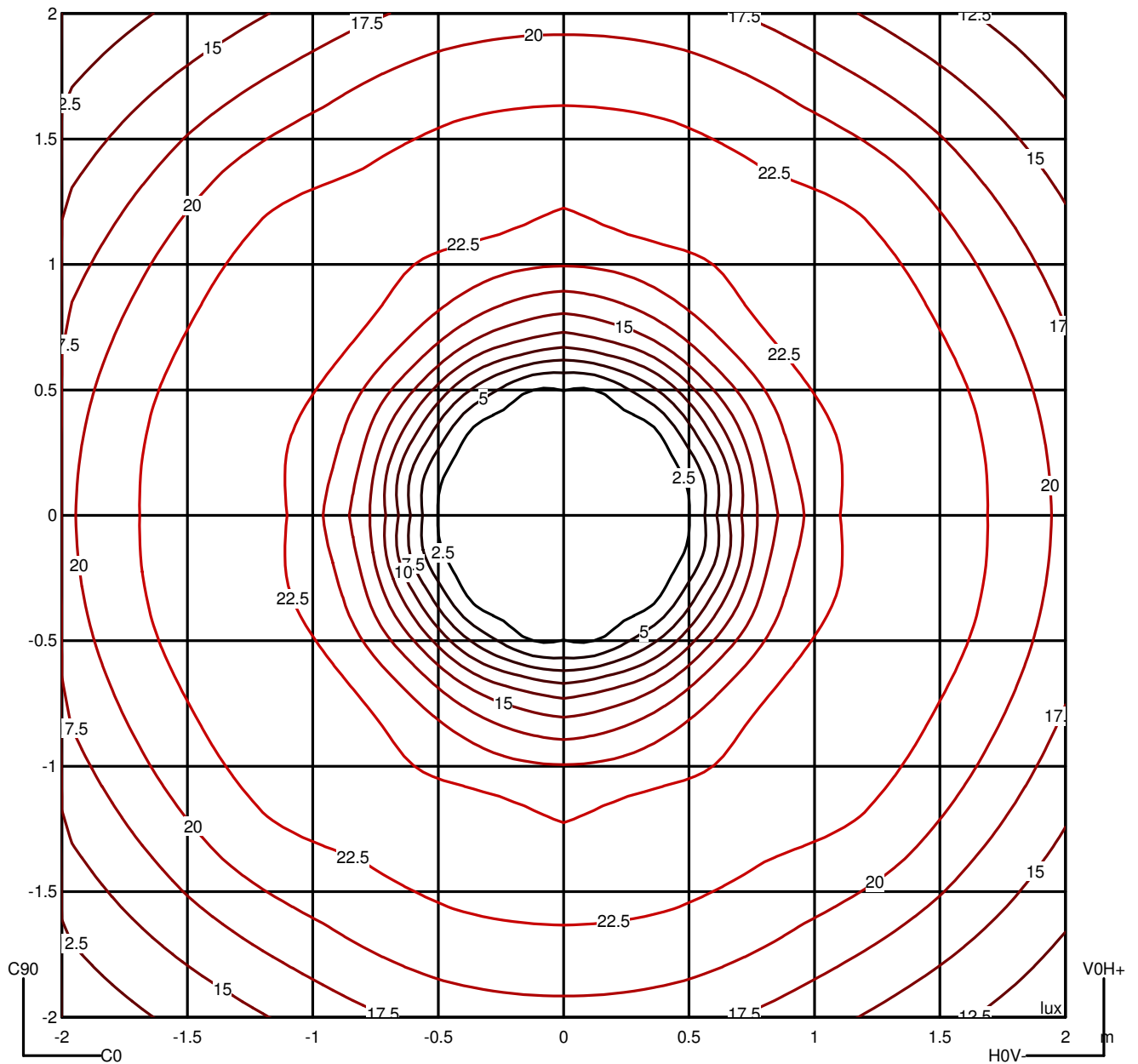
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Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m



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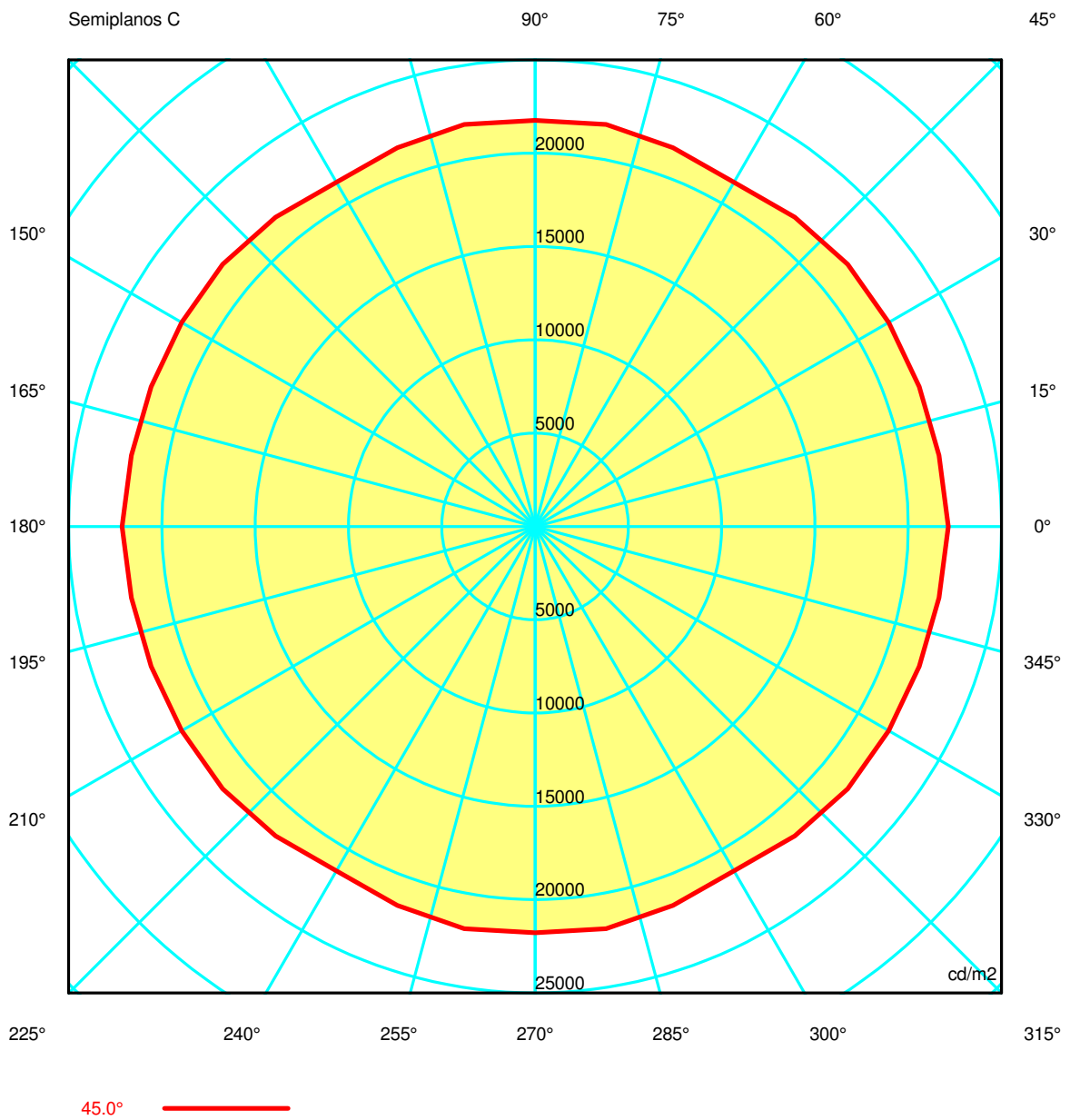
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Nombre ROW

Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	CG	Bisimétrico

Luminancia



Luminaria

Código 10-E055-DC-CL

Nombre ROW

Ensayo

Código 10-E055-DC-CL

Nombre ROW

Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	CG	Bisimétrico

Luminance cd/m2 Tabla 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	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51
G 5.0	95.81	91.08	91.69	95.03	93.97	94.22	96.66	96.15	95.91	97.66	95.91	96.15	96.66
G 10.0	352.66	437.15	539.06	560.97	418.53	505.66	687.06	448.58	335.01	579.09	335.01	448.58	687.06
G 15.0	4960.51	4504.47	4440.83	4645.25	4603.38	4541.77	4574.61	4778.50	4843.21	4681.34	4843.21	4778.50	4574.61
G 20.0	9827.68	10068.07	10084.57	9980.76	10045.69	10027.98	9833.88	9633.84	9469.23	9330.23	9469.23	9633.84	9833.88
G 25.0	13929.51	13722.05	13724.52	13890.44	13949.27	13762.57	13543.01	13624.82	13586.94	13263.17	13586.94	13624.82	13543.01
G 30.0	16993.16	16989.15	16988.07	16989.69	16989.66	16887.26	16736.84	16700.86	16680.12	16613.64	16680.12	16700.86	16736.84
G 35.0	19895.56	19865.21	19783.80	19716.38	19792.89	19661.46	19292.95	19487.72	19639.71	19578.14	19639.71	19487.72	19292.95
G 40.0	21385.62	21298.37	21191.00	21135.82	21138.38	20988.61	20704.62	20874.13	21009.07	21023.42	21009.07	20874.13	20704.62
G 45.0	22146.88	21972.73	21898.92	21880.02	21857.33	21639.73	21302.96	21610.26	21876.48	21766.96	21876.48	21610.26	21302.96
G 50.0	22644.18	22620.32	22551.65	22460.92	22430.56	22247.39	21943.37	22131.06	22287.04	22315.91	22287.04	22131.06	21943.37
G 55.0	23394.19	23173.34	23096.59	23090.65	23069.90	22897.79	22636.48	22876.12	23047.43	23073.15	23047.43	22876.12	22636.48
G 60.0	23908.96	24004.01	23936.73	23801.79	23822.58	23736.95	23536.30	23508.86	23621.01	23786.67	23621.01	23508.86	23536.30
G 65.0	25144.10	25024.69	24971.88	24957.04	24948.78	24794.96	24509.00	24622.16	24732.19	24749.52	24732.19	24622.16	24509.00
G 70.0	26783.37	26690.02	26658.69	26658.85	26680.01	26529.86	26298.59	26292.99	26291.23	26293.31	26291.23	26292.99	26298.59
G 75.0	29983.56	29861.92	29823.69	29887.82	29976.69	29891.30	29627.19	29383.15	29295.03	29272.91	29295.03	29383.15	29627.19
G 80.0	37478.45	37144.09	37037.10	37224.27	37481.33	37107.45	36470.00	36617.88	36627.18	36063.75	36627.18	36617.88	36470.00
G 85.0	59953.47	60734.70	60762.46	60288.49	60171.94	59761.03	58848.71	58002.01	57538.31	57412.92	57538.31	58002.01	58848.71
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

Luminaria

Código 10-E055-DC-CL

Nombre ROW

Ensayo

Código 10-E055-DC-CL

Nombre ROW

Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	CG	Bisimétrico

Luminance cd/m2 Tabla 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	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51
G 5.0	94.22	93.97	95.03	91.69	91.08	95.81	91.08	91.69	95.03	93.97	94.22	96.66	96.15
G 10.0	505.66	418.53	560.97	539.06	437.15	352.66	437.15	539.06	560.97	418.53	505.66	687.06	448.58
G 15.0	4541.77	4603.38	4645.25	4440.83	4504.47	4960.51	4504.47	4440.83	4645.25	4603.38	4541.77	4574.61	4778.50
G 20.0	10027.98	10045.69	9980.76	10084.57	10068.07	9827.68	10068.07	10084.57	9980.76	10045.69	10027.98	9833.88	9633.84
G 25.0	13762.57	13949.27	13890.44	13724.52	13722.05	13929.51	13722.05	13724.52	13890.44	13949.27	13762.57	13543.01	13624.82
G 30.0	16887.26	16989.66	16989.69	16988.07	16989.15	16993.16	16989.15	16988.07	16989.69	16989.66	16887.26	16736.84	16700.86
G 35.0	19661.46	19792.89	19716.38	19783.80	19865.21	19895.56	19865.21	19783.80	19716.38	19792.89	19661.46	19292.95	19487.72
G 40.0	20988.61	21138.38	21135.82	21191.00	21298.37	21385.62	21298.37	21191.00	21135.82	21138.38	20988.61	20704.62	20874.13
G 45.0	21639.73	21857.33	21880.02	21898.92	21972.73	22146.88	21972.73	21898.92	21880.02	21857.33	21639.73	21302.96	21610.26
G 50.0	22247.39	22430.56	22460.92	22551.65	22620.32	22644.18	22620.32	22551.65	22460.92	22430.56	22247.39	21943.37	22131.06
G 55.0	22897.79	23069.90	23090.65	23096.59	23173.34	23394.19	23173.34	23096.59	23090.65	23069.90	22897.79	22636.48	22876.12
G 60.0	23736.95	23822.58	23801.79	23936.73	24004.01	23908.96	24004.01	23936.73	23801.79	23822.58	23736.95	23536.30	23508.86
G 65.0	24794.96	24948.78	24957.04	24971.88	25024.69	25144.10	25024.69	24971.88	24957.04	24948.78	24794.96	24509.00	24622.16
G 70.0	26529.86	26680.01	26658.85	26658.69	26690.02	26783.37	26690.02	26658.69	26658.85	26680.01	26529.86	26298.59	26292.99
G 75.0	29891.30	29976.69	29887.82	29823.69	29861.92	29983.56	29861.92	29823.69	29887.82	29976.69	29891.30	29627.19	29383.15
G 80.0	37107.45	37481.33	37224.27	37037.10	37144.09	37478.45	37144.09	37037.10	37224.27	37481.33	37107.45	36470.00	36617.88
G 85.0	59761.03	60171.94	60288.49	60762.46	60734.70	59953.47	60734.70	60762.46	60288.49	60171.94	59761.03	58848.71	58002.01
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

Luminaria

Código 10-E055-DC-CL

Nombre ROW

Ensayo

Código 10-E055-DC-CL

Nombre ROW

Flujo Luminaria	1071.26 lm	Potencia luminaria	19.30 W	Eficacia	55.51 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1071.26 lm	Valor Máximo	237.34 cd/klm	Posición	C=0.00 G=37.50	CG	Bisimétrico

Luminance cd/m2 Tabla 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	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51	77.51
G 5.0	95.91	97.66	95.91	96.15	96.66	94.22	93.97	95.03	91.69	91.08
G 10.0	335.01	579.09	335.01	448.58	687.06	505.66	418.53	560.97	539.06	437.15
G 15.0	4843.21	4681.34	4843.21	4778.50	4574.61	4541.77	4603.38	4645.25	4440.83	4504.47
G 20.0	9469.23	9330.23	9469.23	9633.84	9833.88	10027.98	10045.69	9980.76	10084.57	10068.07
G 25.0	13586.94	13263.17	13586.94	13624.82	13543.01	13762.57	13949.27	13890.44	13724.52	13722.05
G 30.0	16680.12	16613.64	16680.12	16700.86	16736.84	16887.26	16989.66	16989.69	16988.07	16989.15
G 35.0	19639.71	19578.14	19639.71	19487.72	19292.95	19661.46	19792.89	19716.38	19783.80	19865.21
G 40.0	21009.07	21023.42	21009.07	20874.13	20704.62	20988.61	21138.38	21135.82	21191.00	21298.37
G 45.0	21876.48	21766.96	21876.48	21610.26	21302.96	21639.73	21857.33	21880.02	21898.92	21972.73
G 50.0	22287.04	22315.91	22287.04	22131.06	21943.37	22247.39	22430.56	22460.92	22551.65	22620.32
G 55.0	23047.43	23073.15	23047.43	22876.12	22636.48	22897.79	23069.90	23090.65	23096.59	23173.34
G 60.0	23621.01	23786.67	23621.01	23508.86	23536.30	23736.95	23822.58	23801.79	23936.73	24004.01
G 65.0	24732.19	24749.52	24732.19	24622.16	24509.00	24794.96	24948.78	24957.04	24971.88	25024.69
G 70.0	26291.23	26293.31	26291.23	26292.99	26298.59	26529.86	26680.01	26658.85	26658.69	26690.02
G 75.0	29295.03	29272.91	29295.03	29383.15	29627.19	29891.30	29976.69	29887.82	29823.69	29861.92
G 80.0	36627.18	36063.75	36627.18	36617.88	36470.00	37107.45	37481.33	37224.27	37037.10	37144.09
G 85.0	57538.31	57412.92	57538.31	58002.01	58848.71	59761.03	60171.94	60288.49	60762.46	60734.70
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00