

# LEDS C4<sup>®</sup>

## Luminaria

Código 55-E055-DC-CL  
Nombre ROW

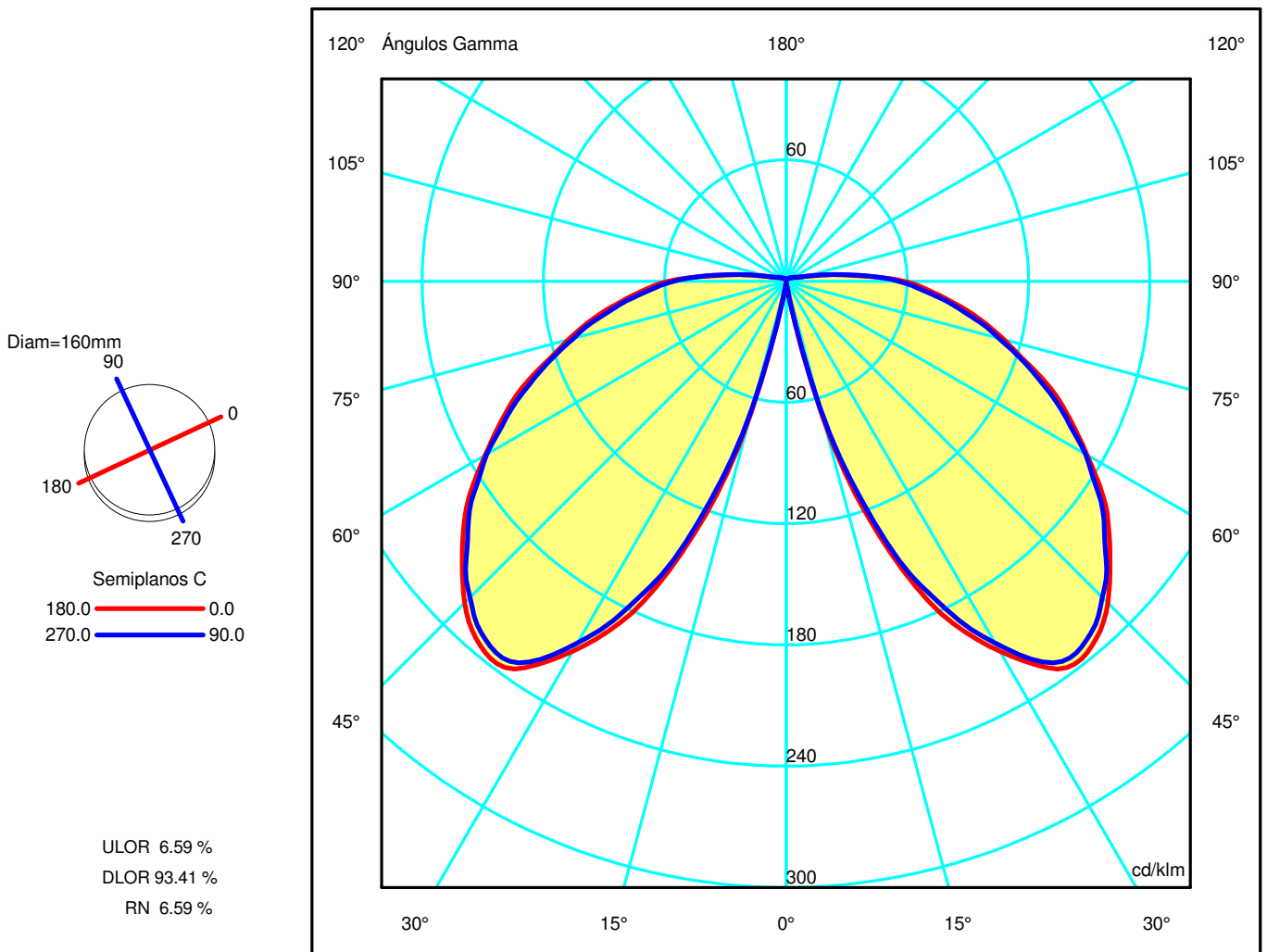
## Ensayo

Código 55-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 Área Luminosa Redonda	Diam. Diam.	160 mm 140 mm	Altura Altura	80 mm 0 mm			
Área Luminosa Horizontal Área Emisión sobre Pl. 0° Área Emisión sobre Pl. 90°	0.015394 m2 0.000000 m2 0.000000 m2	Área Emisión sobre Pl. 180° Área Emisión sobre Pl. 270° Área de deslumbramiento a 76°			0.000000 m2 0.000000 m2 0.003724 m2		
Sist. de Coorden. Fecha Distancia de Ensayo	CG 14-12-2018 0.00	Tipo de Simetría Máximo Ángulo Gamma Flujo de Ensayo			Bisimétrico 180 1071.26 lm		
Operador Temperatura Humedad Notas	qualitat 25.00 °C 60.00 %	Tensión de alimentación [V] Corriente de alimentación [A] Fotocélula					

## 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. F UTE	29 63 86 93 100 0.93 H + 0.07 T	D DIN 5040 B NBN	A11 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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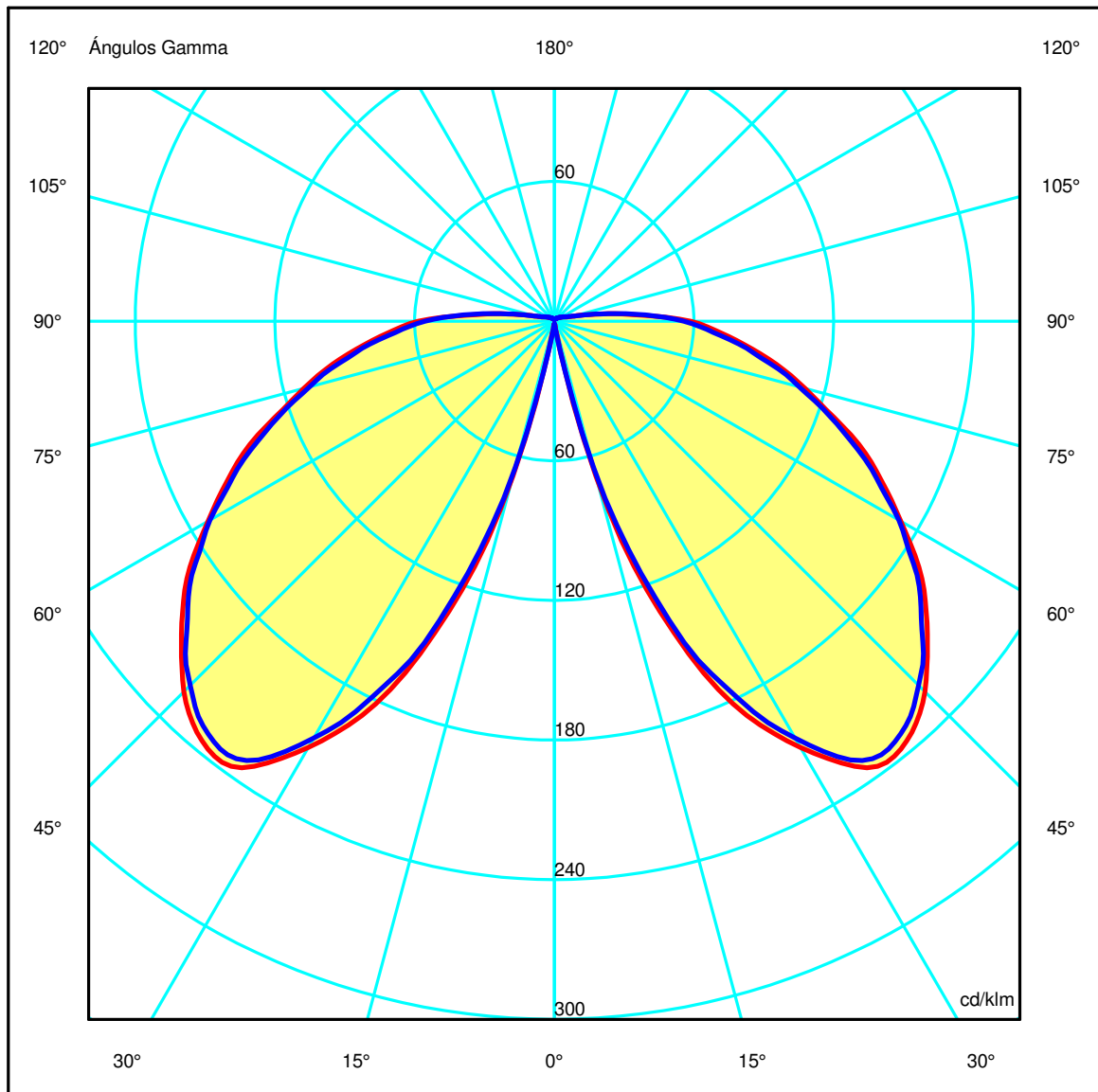
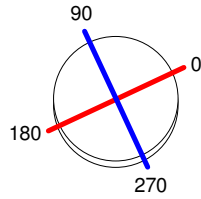
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Diam=160mm

Semiplanos C

180.0 ——— 0.0  
270.0 ——— 90.0



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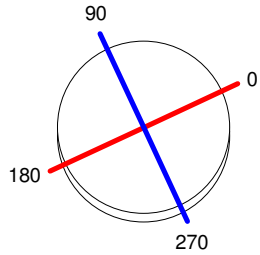
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Nombre ROW

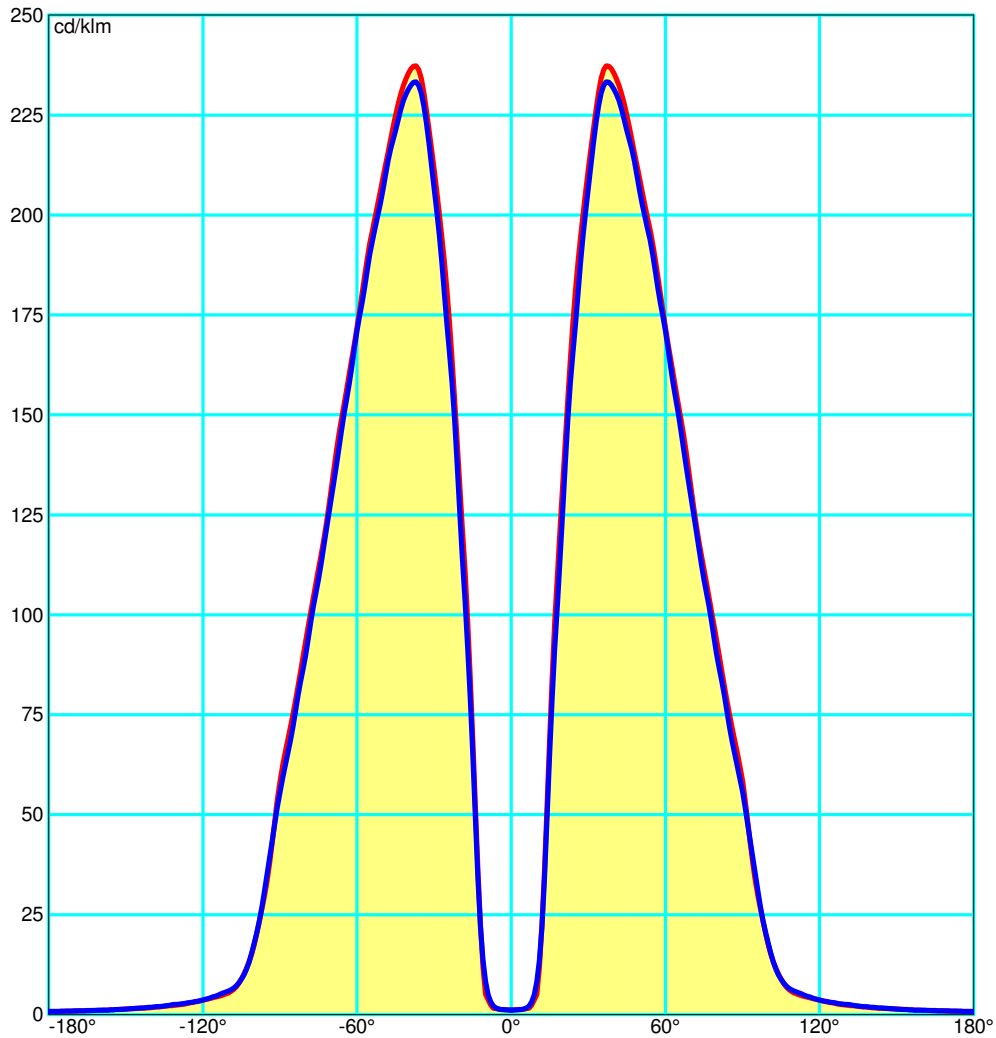
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**UGR**  
S = 0.250

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

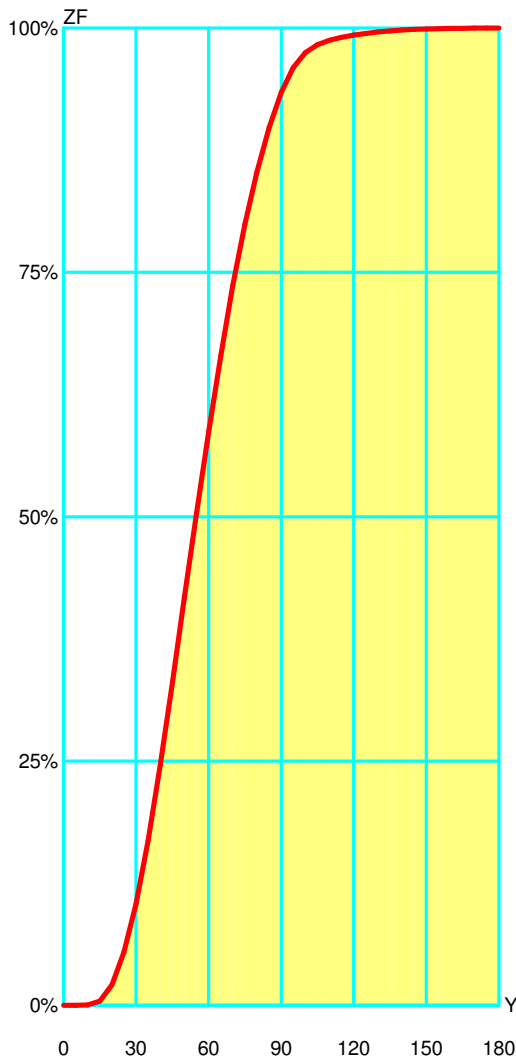
Flujo Zonal por 1000 Lúmenes

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%



# LEDS C4<sup>5</sup>

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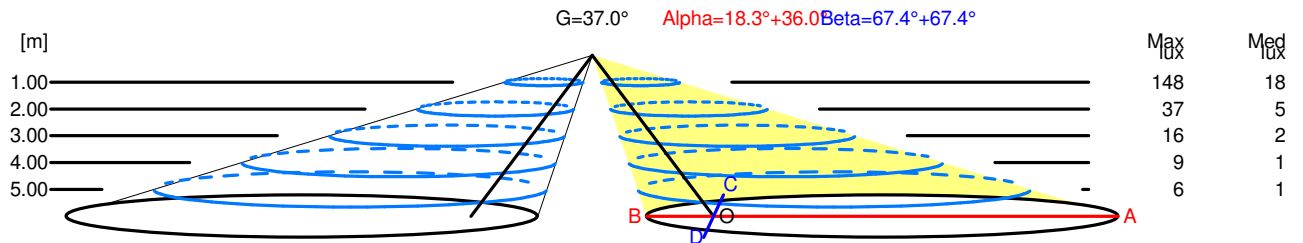
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### Apertura a 50.00 % de Max Intensidad

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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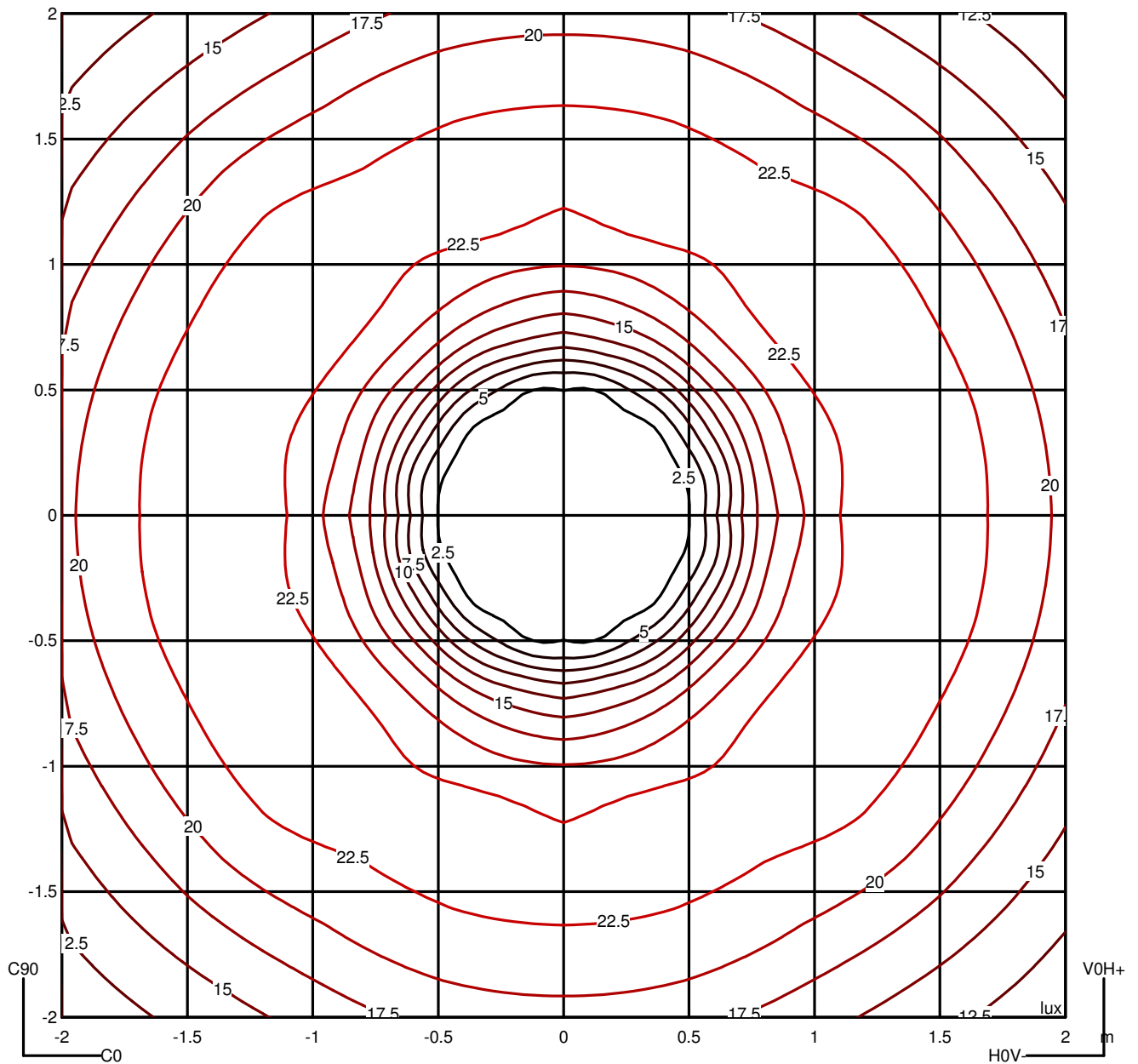
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Isolux (Suelo)

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



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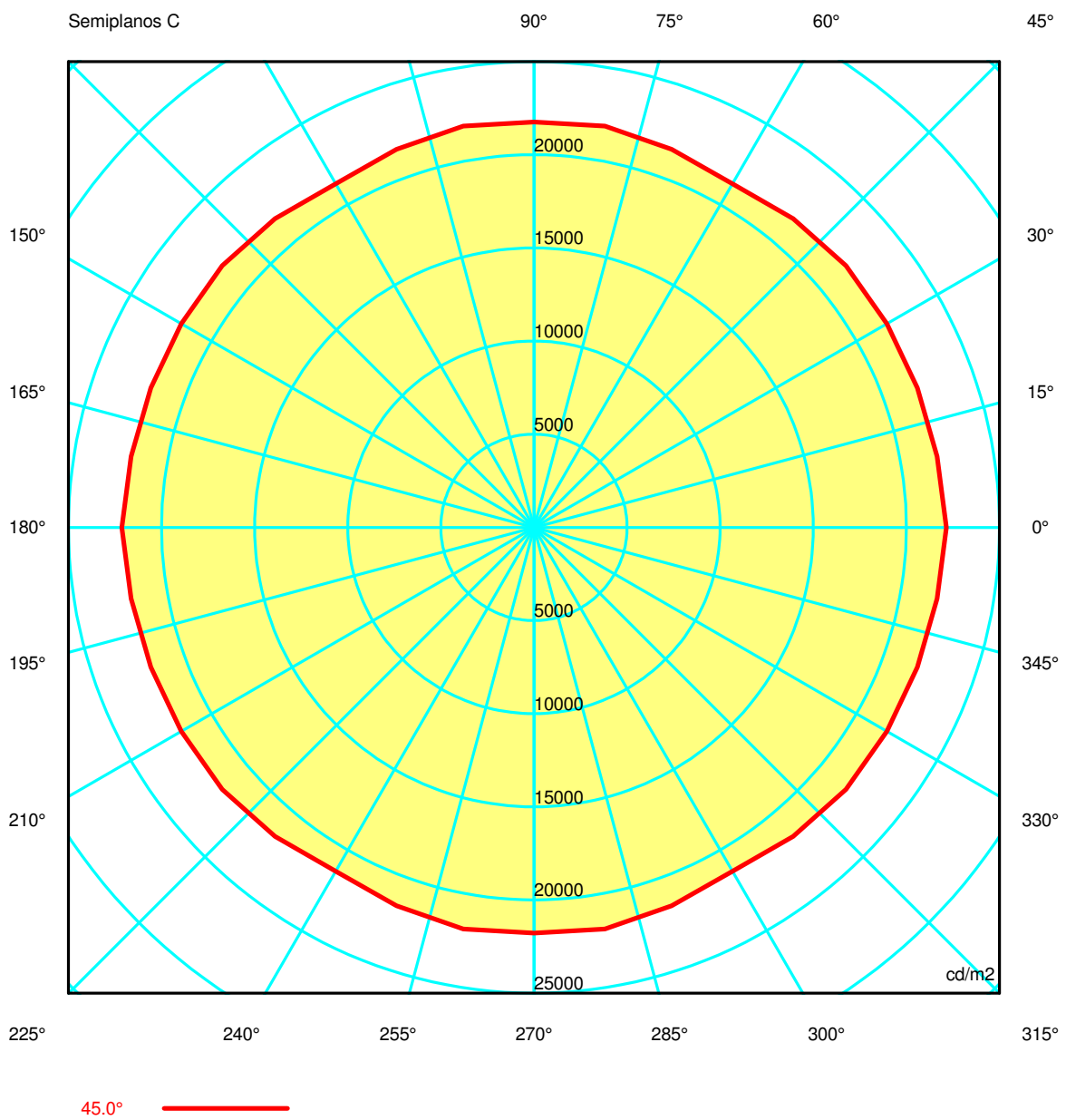
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Nombre ROW

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 55-E055-DC-CL

Nombre ROW

**Ensayo**

Código 55-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 55-E055-DC-CL

Nombre ROW

**Ensayo**

Código 55-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 55-E055-DC-CL

Nombre ROW

**Ensayo**

Código 55-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