

Luminaire

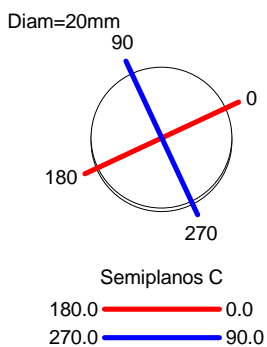
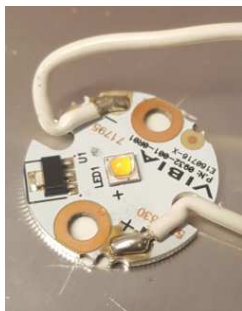
Code 5750630
Name LED MATCH

Measur.

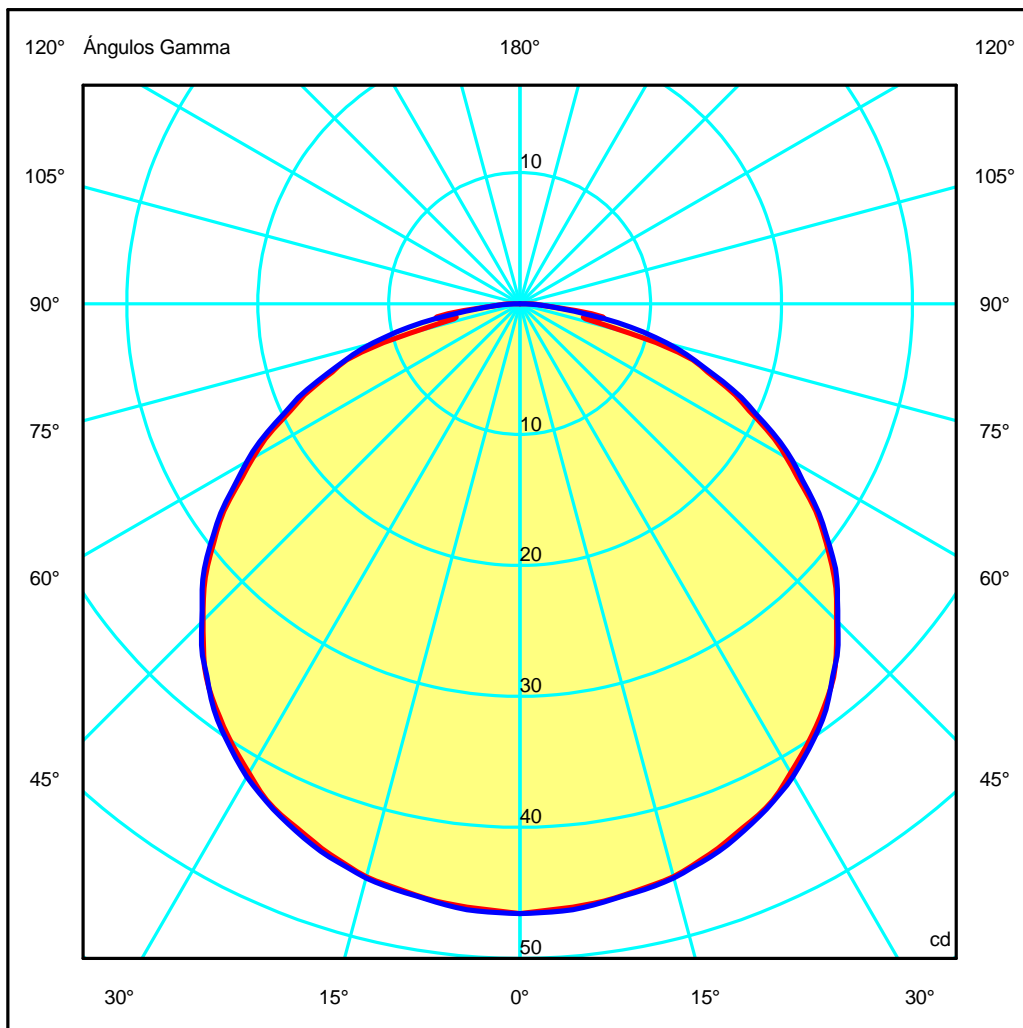
Code CL252A19F051G
Name 2700K CRI 90

Luminaire Flux	146.42 lm	Luminaire Power	2.29 W	Efficacy	64.08 lm/W	Efficiency	100.00%
Sources Flux	146.42 lm	Maximum value	46.58 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	
Round Luminaire		Diam.	20 mm	Height	1 mm		
Round Luminous Area		Diam.	20 mm	Height	1 mm		
Horizontal Luminous Area		0.000314 m2		Emitting area on Plane 180°		0.000020 m2	
Emitting area on Plane 0°		0.000020 m2		Emitting area on Plane 270°		0.000020 m2	
Emitting area on Plane 90°		0.000020 m2		Glare area at 76°		0.000095 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		22-11-2019		Maximum Gamma Angle		90	
Measurement Distance		6.44		Measurement Flux		146.42 lm	
Operator		Asselum T2		Rated Voltage		230.28 V	
Temperature		25.40 °C		Rated Current		0.04 A	
Humidity		32.10 %		Photocell		Prc	
Notes		RM19100301.5					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
CREE XPG2 2700K CRI90		1x 5750630		Name 1x LED 2,1W 700mA		146.42	2.29	1
C.I.E.	45 77 95 100 100			D DIN 5040		A30		
F UTE	1.00 E			B NBN		BZ 5		



ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



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Luminous Intensity Table cd Table 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	47	47	47	47	47	47	47
G 2.5	46	46	47	46	47	47	47
G 5.0	46	46	46	46	46	46	46
G 7.5	46	46	46	46	46	46	46
G 10.0	46	46	46	46	46	46	46
G 12.5	46	45	46	46	46	46	46
G 15.0	45	45	45	45	45	45	45
G 17.5	45	45	45	45	45	45	45
G 20.0	44	44	44	44	44	44	44
G 22.5	44	44	44	44	44	44	44
G 25.0	43	43	43	43	43	43	43
G 27.5	42	42	42	42	42	43	43
G 30.0	41	41	41	41	41	42	42
G 32.5	40	40	40	40	41	41	41
G 35.0	39	39	39	39	39	40	40
G 37.5	38	38	38	38	38	38	39
G 40.0	37	37	37	37	37	37	37
G 42.5	36	36	36	36	36	36	36
G 45.0	34	34	34	34	34	35	34
G 47.5	33	33	33	33	33	33	33
G 50.0	31	31	31	31	31	32	31
G 52.5	29	29	29	29	29	30	30
G 55.0	28	27	27	27	28	28	28
G 57.5	25	25	25	25	26	26	26
G 60.0	24	23	23	23	24	24	24
G 62.5	22	21	21	21	22	22	22
G 65.0	19	19	19	20	20	20	20
G 67.5	17	17	16	17	18	18	18
G 70.0	15	14	12	16	16	16	16
G 72.5	13	10	11	12	14	14	14
G 75.0	9	10	11	9	11	12	12
G 77.5	5	9	9	7	8	9	9
G 80.0	7	6	7	7	6	6	7
G 82.5	5	5	6	5	5	4	4
G 85.0	2	4	3	3	3	2	2
G 87.5	1	2	2	2	2	1	1
G 90.0	0	1	1	1	1	1	0

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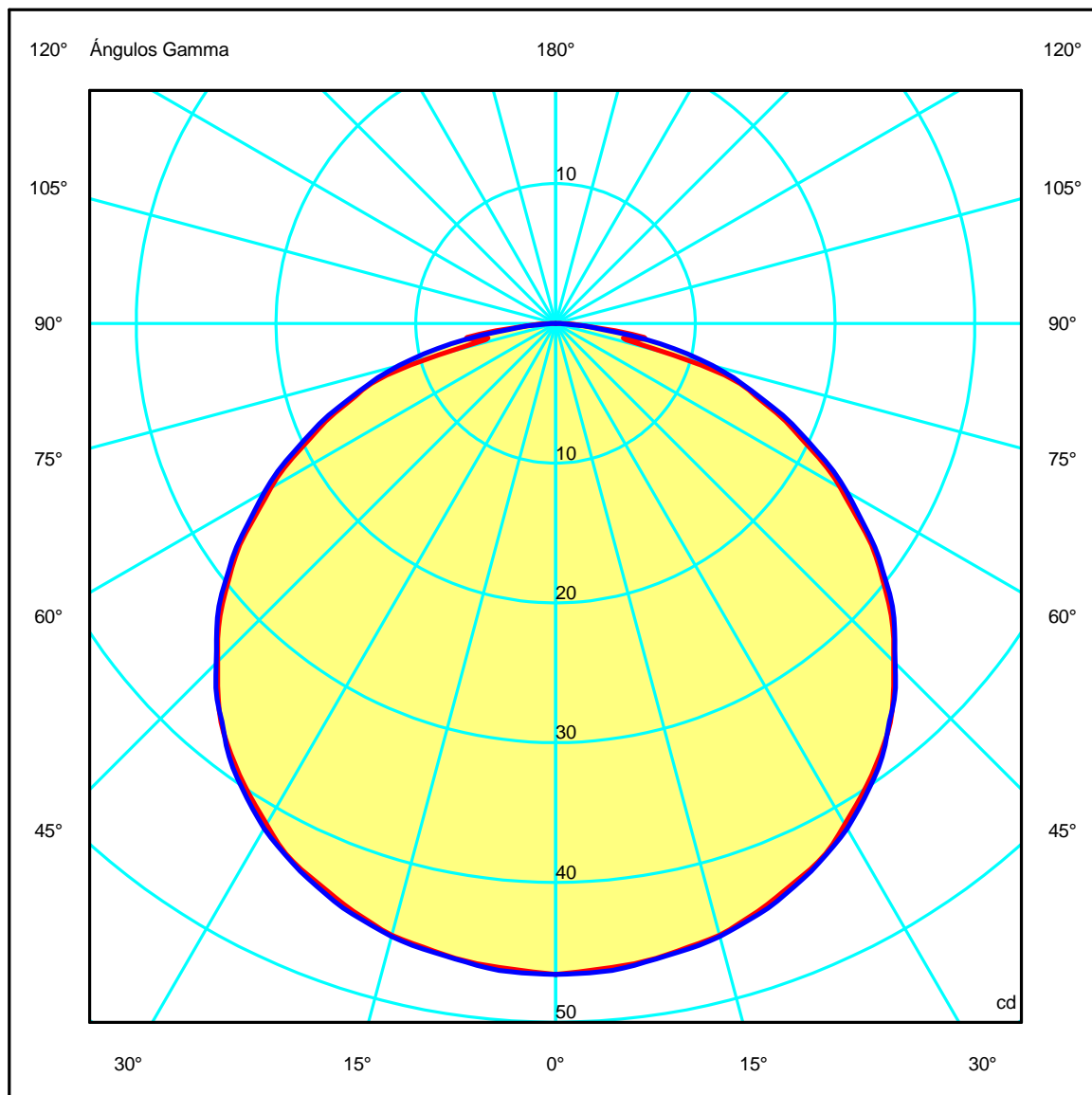
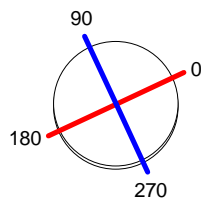
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Sources Flux	146.42 lm	Maximum value	46.58 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=20mm

Semiplanos C

180.0 — 0.0

270.0 — 90.0



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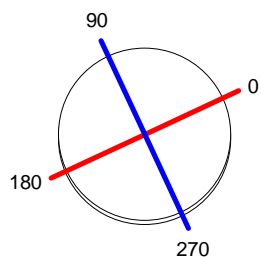
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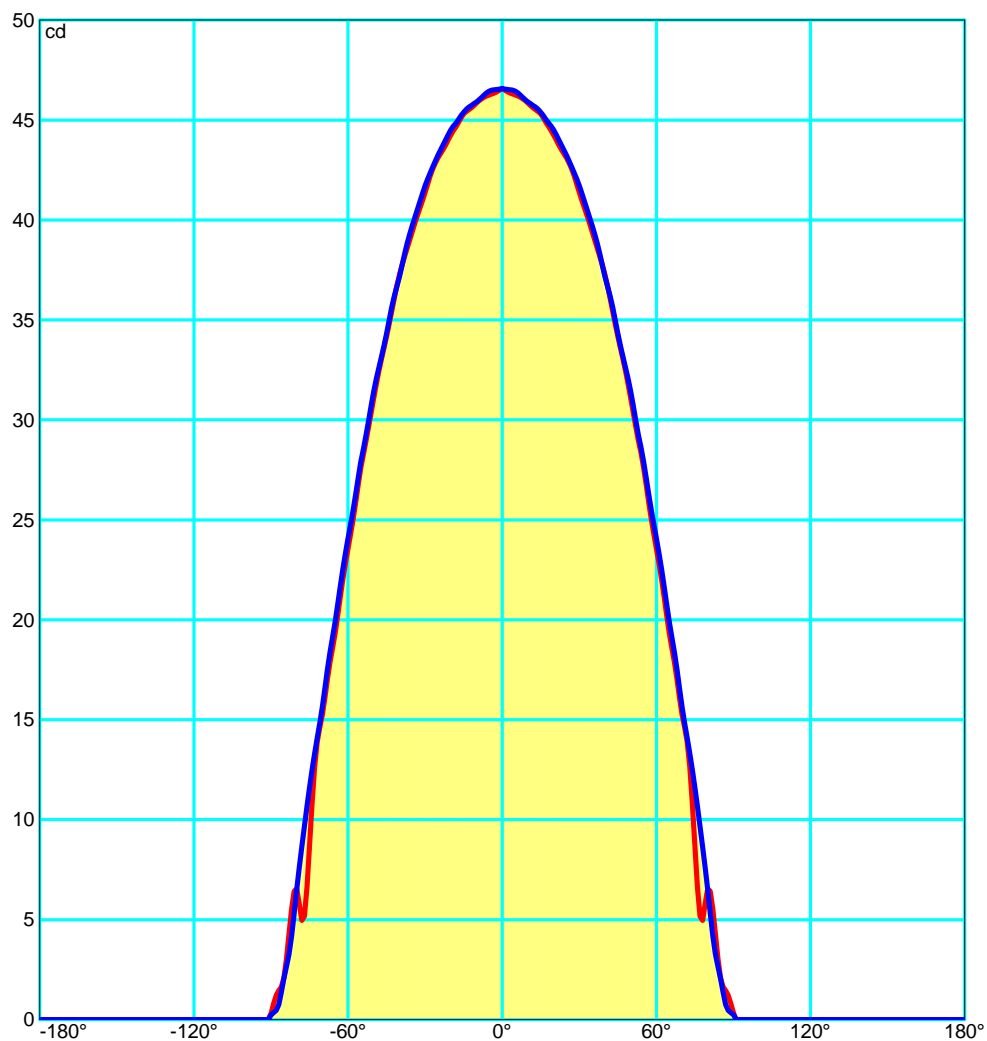
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Sources Flux	146.42 lm	Maximum value	46.58 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	

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
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	29.7	31.1	30.0	31.3	31.5	29.8	31.2	30.1	31.4	31.6
x=2H y=3H	31.3	32.5	31.6	32.8	33.1	31.5	32.8	31.9	33.0	33.3
x=2H y=4H	31.8	33.0	32.1	33.2	33.5	32.3	33.4	32.6	33.7	34.0
x=2H y=6H	32.1	33.2	32.5	33.5	33.8	32.7	33.8	33.1	34.1	34.4
x=2H y=8H	32.3	33.4	32.7	33.7	34.0	32.8	33.9	33.2	34.2	34.5
x=2H y=12H	32.4	33.4	32.8	33.7	34.1	32.8	33.8	33.2	34.2	34.5
x=4H y=2H	30.5	31.7	30.8	31.9	32.2	30.6	31.7	30.9	32.0	32.3
x=4H y=3H	32.1	33.1	32.5	33.4	33.8	32.5	33.5	32.8	33.8	34.1
x=4H y=4H	32.8	33.7	33.2	34.1	34.4	33.3	34.2	33.7	34.6	34.9
x=4H y=6H	33.4	34.1	33.8	34.5	34.9	33.9	34.7	34.3	35.1	35.5
x=4H y=8H	33.6	34.3	34.0	34.7	35.1	34.0	34.7	34.5	35.1	35.5
x=4H y=12H	33.7	34.4	34.2	34.8	35.2	34.1	34.7	34.5	35.1	35.6
x=8H y=4H	33.2	33.9	33.6	34.3	34.7	33.6	34.3	34.0	34.7	35.1
x=8H y=6H	33.9	34.5	34.4	34.9	35.4	34.2	34.8	34.7	35.3	35.7
x=8H y=8H	34.2	34.7	34.7	35.2	35.6	34.4	35.0	34.9	35.4	35.9
x=8H y=12H	34.4	34.9	34.9	35.4	35.9	34.5	35.0	35.0	35.4	36.0
x=12H y=4H	33.2	33.8	33.7	34.3	34.7	33.6	34.2	34.0	34.7	35.1
x=12H y=6H	34.0	34.5	34.5	35.0	35.4	34.3	34.9	34.8	35.3	35.8
x=12H y=8H	34.3	34.8	34.8	35.2	35.8	34.6	35.0	35.1	35.5	36.0

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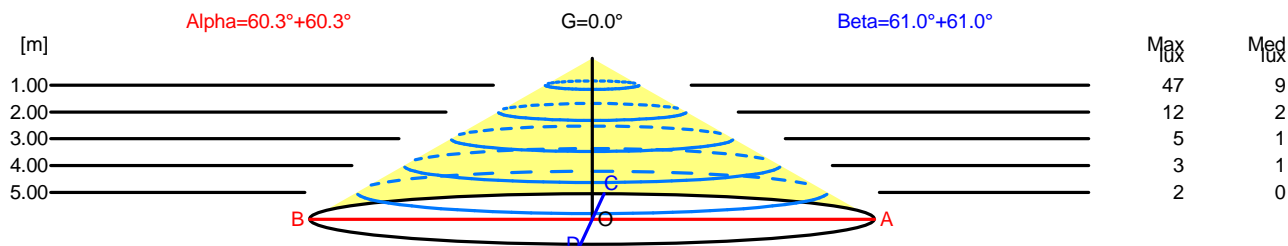
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Sources Flux	146.42 lm	Maximum value	46.58 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.76	3.51	5.27	7.02	8.78	OC	1.81	3.61	5.42	7.22	9.03
OB	1.76	3.51	5.27	7.02	8.78	OD	1.81	3.61	5.42	7.22	9.03

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	46.58	46.25	45.31	43.10	39.43	34.19	27.59	19.33	8.69	2.09
OB	46.58	46.25	45.31	43.10	39.43	34.19	27.59	19.33	8.69	2.09
OC	46.58	46.45	45.40	43.23	39.72	34.35	27.89	19.90	11.61	2.06
OD	46.58	46.45	45.40	43.23	39.72	34.35	27.89	19.90	11.61	2.06



H[m]	D[m]	Max lux	Med lux	Alpha=60.3°+60.3°	G=0.0	
1.00	3.51	47	9			
2.00	7.02	12	2			
3.00	10.53	5	1			
4.00	14.04	3	1			
5.00	17.56	2	0			

H[m]	D[m]	Max lux	Med lux	Beta=61.0°+61.0°	G=0.0	
1.00	3.61	47	9			
2.00	7.22	12	2			
3.00	10.84	5	1			
4.00	14.45	3	1			
5.00	18.06	2	0			

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Flujo Total=146.42 Flujo Luminaria=146.42

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	0.29	0.37	0.45	0.52	0.58	0.66	0.72	0.77	0.82	0.85	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

Flujo Zonal por 1000 Lúmenes

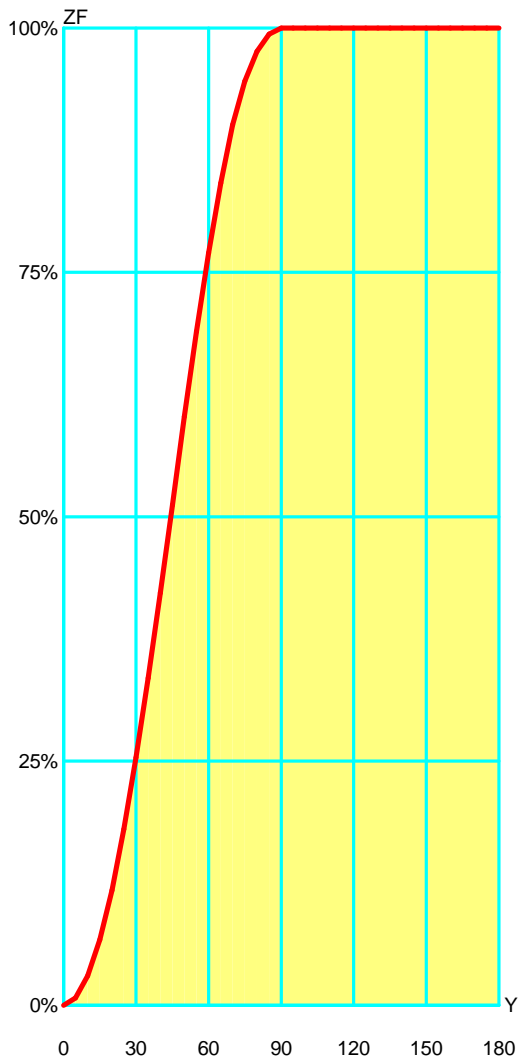
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	30	118	253	422	602	770	901	976	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

45 77 95 100 100

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

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



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	7.59	7.59	0.76 %	0.76 %
10°	22.55	30.14	2.26 %	3.01 %
15°	36.98	67.12	3.70 %	6.71 %
20°	50.49	117.61	5.05 %	11.76 %
25°	62.64	180.25	6.26 %	18.02 %
30°	73.10	253.35	7.31 %	25.33 %
35°	81.33	334.67	8.13 %	33.47 %
40°	87.19	421.86	8.72 %	42.19 %
45°	90.26	512.12	9.03 %	51.21 %
50°	90.32	602.43	9.03 %	60.24 %
55°	87.06	689.49	8.71 %	68.95 %
60°	80.52	770.01	8.05 %	77.00 %
65°	71.62	841.64	7.16 %	84.16 %
70°	59.53	901.16	5.95 %	90.12 %
75°	44.47	945.64	4.45 %	94.56 %
80°	30.61	976.24	3.06 %	97.62 %
85°	17.51	993.75	1.75 %	99.38 %
90°	6.25	1000.00	0.62 %	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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Isolux (Floor)

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

