

**Luminaire**

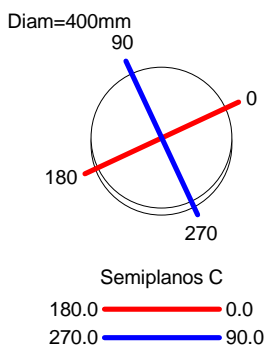
Code 5471  
Name PUCK WALL ART LED

**Measur.**

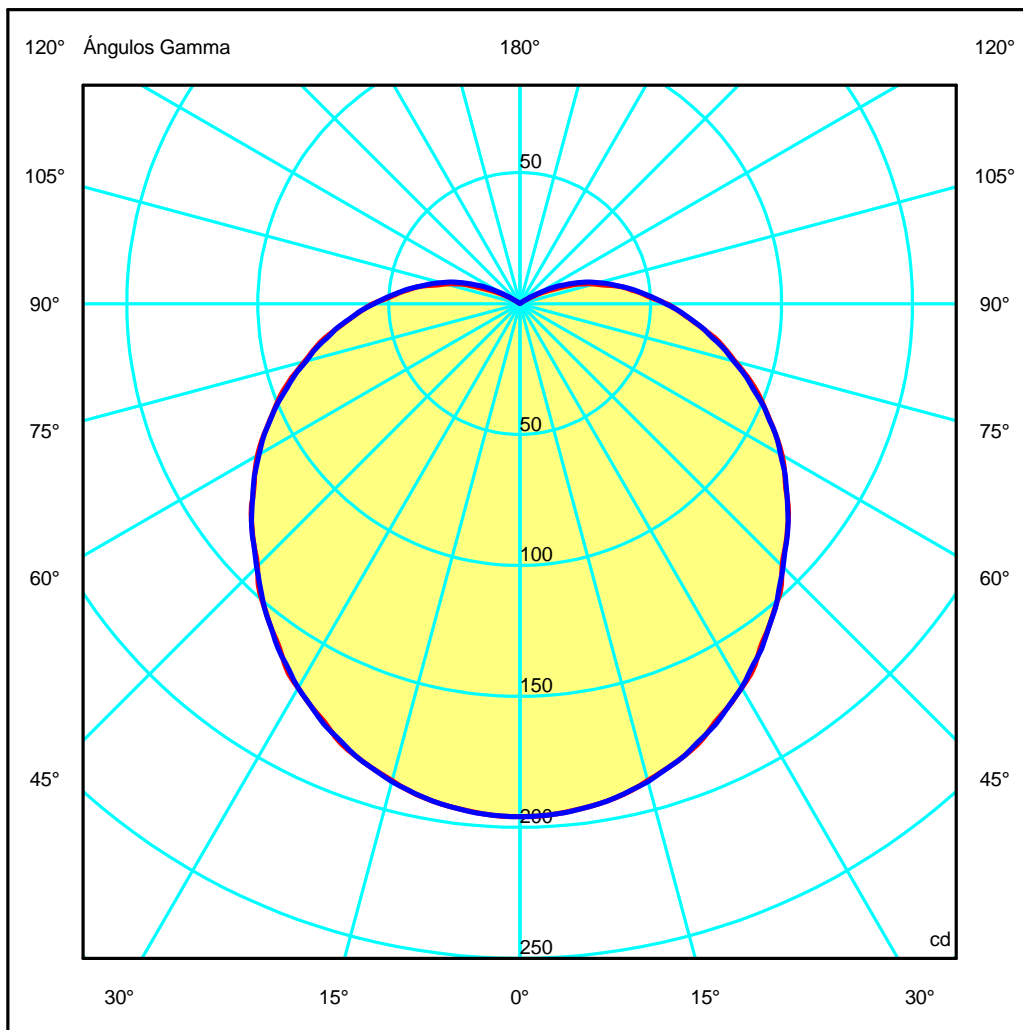
Code CL252A19F033G  
Name 2700K CRI90

Luminaire Flux	840.73 lm	Luminaire Power	14.77 W	Efficacy	56.94 lm/W	Efficiency	100.00%
Sources Flux	840.73 lm	Maximum value	195.91 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	
Round Luminaire		Diam.	400 mm	Height	60 mm		
Round Luminous Area		Diam.	360 mm	Height	35 mm		
Horizontal Luminous Area		0.101788 m2		Emitting area on Plane 180°		0.012600 m2	
Emitting area on Plane 0°		0.012600 m2		Emitting area on Plane 270°		0.012600 m2	
Emitting area on Plane 90°		0.012600 m2		Glare area at 76°		0.036850 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		16-07-2019		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		840.73 lm	
Operator		ASSELUM		Rated Voltage		230.35 V	
Temperature		25.00 °C		Rated Current		0.07 A	
Humidity		57.90 %		Photocell		Prc	
Notes		RM19062503.2					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
PHILIPS LUMILED LUXEON 3014 250L		5751936 + 5751951		Name 1xLED 12,6W 700mA		840.73	14.77	1
C.I.E.	36 64 85 88 100			D DIN 5040		B21		
F UTE	0.88 H + 0.12 T			B NBN		BZ 6		



ULOR 11.89 %  
DLOR 88.11 %  
RN 11.89 %



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**Luminous Intensity Table cd Table 1/1**

	C 0.00	C 45.00	C 90.00
G 0.0	196	196	196
G 2.5	196	196	196
G 5.0	195	195	195
G 7.5	194	194	194
G 10.0	193	193	193
G 12.5	191	191	191
G 15.0	189	189	189
G 17.5	186	187	186
G 20.0	184	183	184
G 22.5	181	180	180
G 25.0	176	177	177
G 27.5	173	174	173
G 30.0	169	169	169
G 32.5	166	165	165
G 35.0	160	161	161
G 37.5	156	157	156
G 40.0	152	151	152
G 42.5	148	147	147
G 45.0	142	142	142
G 47.5	138	138	138
G 50.0	133	133	134
G 52.5	129	129	129
G 55.0	124	125	124
G 57.5	120	120	120
G 60.0	116	115	115
G 62.5	111	110	110
G 65.0	105	106	105
G 67.5	101	100	100
G 70.0	96	94	95
G 72.5	91	90	90
G 75.0	85	85	84
G 77.5	80	79	80
G 80.0	76	75	75
G 82.5	70	70	70
G 85.0	65	66	65
G 87.5	61	60	61
G 90.0	56	56	56
G 92.5	50	51	51
G 95.0	46	47	47
G 97.5	42	42	43
G100.0	38	38	39
G102.5	33	35	35
G105.0	29	31	31
G107.5	25	26	27
G110.0	21	23	23
G112.5	15	19	19
G115.0	11	15	15
G117.5	8	11	11
G120.0	5	7	7
G122.5	2	4	4
G125.0	0	1	1
G127.5	0	0	0
G130.0	0	0	0
G132.5	0	0	0
G135.0	0	0	0
G137.5	0	0	0
G140.0	0	0	0
G142.5	0	0	0
G145.0	0	0	0
G147.5	0	0	0
G150.0	0	0	0
G152.5	0	0	0
G155.0	0	0	0
G157.5	0	0	0
G160.0	0	0	0
G162.5	0	0	0
G165.0	0	0	0
G167.5	0	0	0
G170.0	0	0	0
G172.5	0	0	0
G175.0	0	0	0
G177.5	0	0	0
G180.0	0	0	0

**Luminaire**

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Name PUCK WALL ART LED

**Measurem.**

Code CL252A19F033G  
Name 2700K CRI90

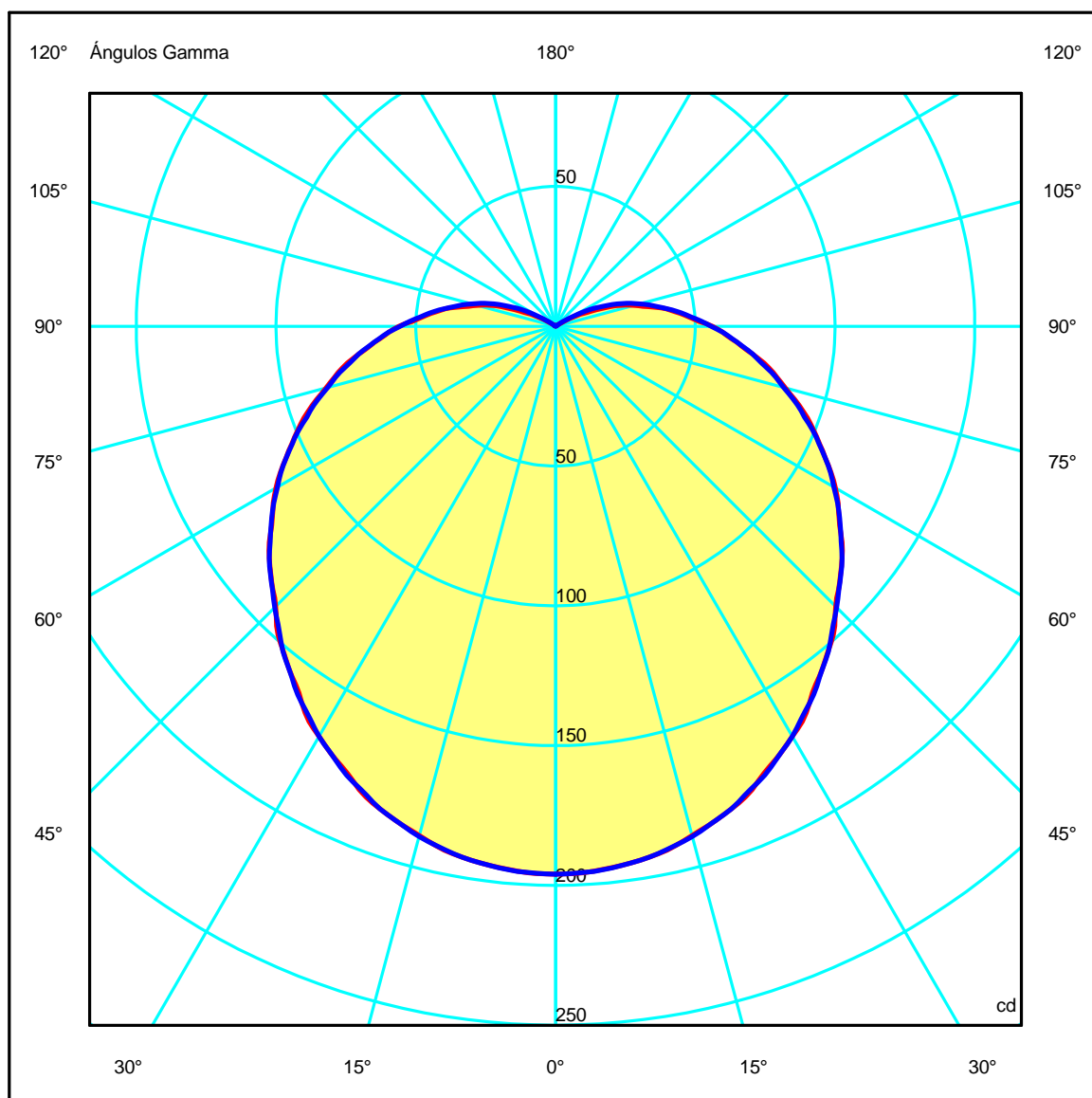
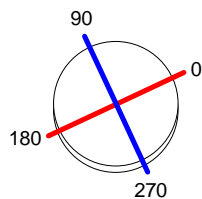
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Sources Flux	840.73 lm	Maximum value	195.91 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=400mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



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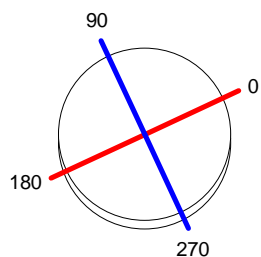
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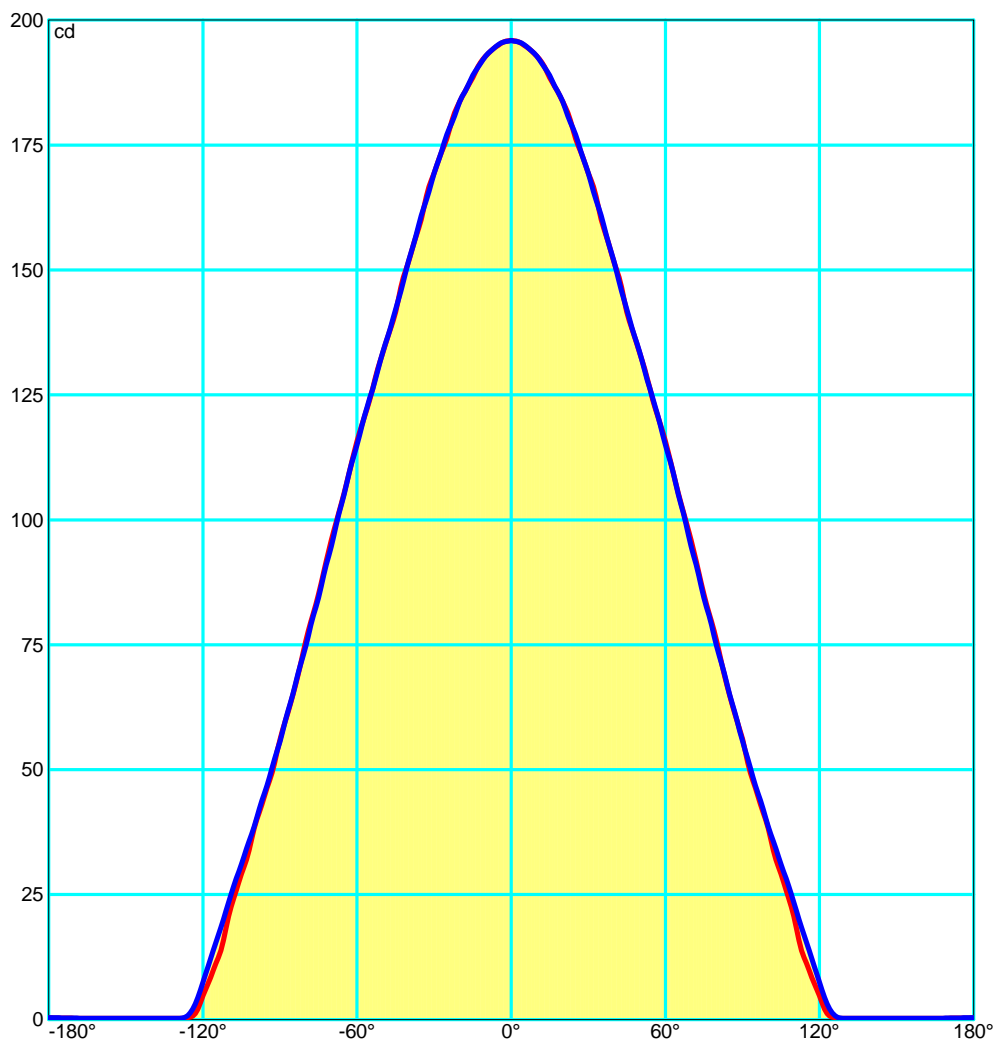
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Sources Flux	840.73 lm	Maximum value	195.91 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

**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	13.7	15.0	14.2	15.5	16.0	13.7	15.0	14.2	15.5	15.9
x=2H y=3H	16.1	17.3	16.6	17.8	18.3	16.0	17.2	16.5	17.7	18.3
x=2H y=4H	17.3	18.4	17.8	18.9	19.4	17.2	18.4	17.7	18.9	19.4
x=2H y=6H	18.5	19.6	19.0	20.1	20.6	18.4	19.5	19.0	20.0	20.6
x=2H y=8H	19.1	20.1	19.6	20.7	21.3	19.1	20.1	19.6	20.6	21.2
x=2H y=12H	19.7	20.7	20.3	21.3	21.9	19.7	20.7	20.3	21.2	21.8
x=4H y=2H	14.6	15.8	15.2	16.3	16.8	14.6	15.8	15.2	16.3	16.8
x=4H y=3H	17.2	18.2	17.7	18.7	19.3	17.2	18.2	17.7	18.7	19.3
x=4H y=4H	18.5	19.4	19.1	20.0	20.6	18.5	19.4	19.1	20.0	20.6
x=4H y=6H	19.9	20.7	20.5	21.3	22.0	19.9	20.7	20.5	21.3	21.9
x=4H y=8H	20.6	21.4	21.2	22.0	22.6	20.6	21.3	21.2	21.9	22.6
x=4H y=12H	21.4	22.0	22.0	22.6	23.3	21.3	22.0	21.9	22.6	23.3
x=8H y=4H	19.1	19.9	19.7	20.5	21.1	19.1	19.9	19.7	20.5	21.1
x=8H y=6H	20.8	21.4	21.4	22.0	22.7	20.7	21.4	21.4	22.0	22.7
x=8H y=8H	21.6	22.2	22.3	22.8	23.6	21.6	22.2	22.2	22.8	23.5
x=8H y=12H	22.5	23.0	23.2	23.7	24.4	22.5	23.0	23.2	23.7	24.4
x=12H y=4H	19.3	19.9	19.9	20.5	21.2	19.2	19.9	19.9	20.5	21.2
x=12H y=6H	21.0	21.5	21.6	22.2	22.9	20.9	21.5	21.6	22.2	22.9
x=12H y=8H	21.9	22.4	22.6	23.1	23.8	21.9	22.4	22.6	23.1	23.8

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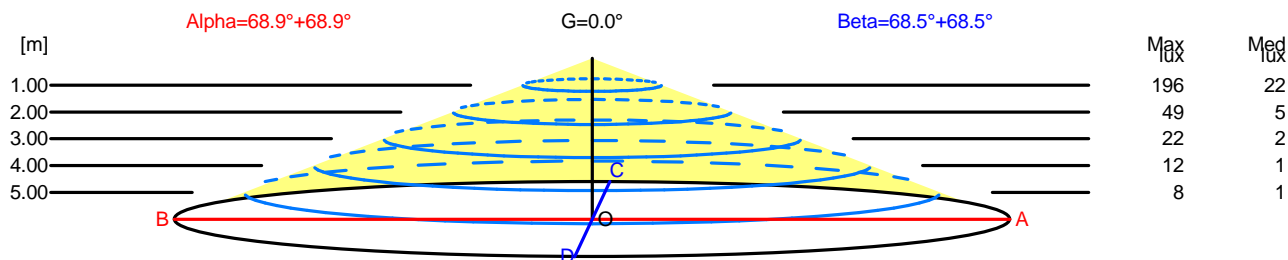
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Sources Flux	840.73 lm	Maximum value	195.91 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	2.60	5.19	7.79	10.39	12.98	OC	2.54	5.09	7.63	10.18	12.72
OB	2.60	5.19	7.79	10.39	12.98	OD	2.54	5.09	7.63	10.18	12.72

Luminous Intensities [ cd]

	0	5	15	25	35	45	55	65	75	85
OA	195.91	194.97	188.52	176.35	160.14	141.63	124.08	105.38	85.08	65.02
OB	195.91	194.97	188.52	176.35	160.14	141.63	124.08	105.38	85.08	65.02
OC	195.91	195.09	188.91	177.10	160.86	142.15	124.34	105.12	84.40	65.13
OD	195.91	195.09	188.91	177.10	160.86	142.15	124.34	105.12	84.40	65.13



H[m]	D[m]	Max lux	Med lux	Alpha=68.9°+68.9°	G=0.0	
1.00	5.19	196	22			
2.00	10.39	49	5			
3.00	15.58	22	2			
4.00	20.77	12	1			
5.00	25.96	8	1			

H[m]	D[m]	Max lux	Med lux	Beta=68.5°+68.5°	G=0.0	
1.00	5.09	196	22			
2.00	10.18	49	5			
3.00	15.27	22	2			
4.00	20.36	12	1			
5.00	25.45	8	1			

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Sources Flux	840.73 lm	Maximum value	195.91 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	

Flujo Total=840.73 Flujo Luminaria=840.73

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	0.24	0.31	0.37	0.43	0.49	0.57	0.63	0.67	0.73	0.77	0.86	0.92
RC	7	7	7	7	7	7	7	7	7	7	7	7

Flujo Zonal por 1000 Lúmenes

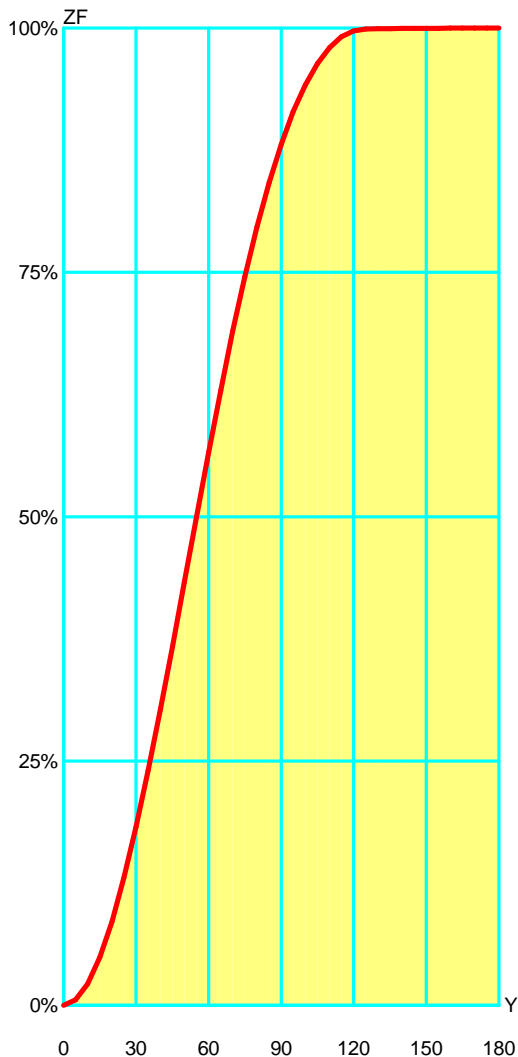
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	22	85	183	302	433	566	690	796	881	942	980	997	999	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

36 64 85 88 100

C.I.E. 7  
D DIN 5040 B21  
F UTE 0.88 H + 0.12 T  
B NBN BZ 6  
RN 11.89178 %  
BLF 1.0

LOR 100.00000 %  
ULOR 11.89178 %  
DLOR 88.10822 %  
UFF 11.89178 %  
DFF 88.10822 %  
FFR 13.49678 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.56	5.56	0.56 %	0.56 %
10°	16.50	22.06	1.65 %	2.21 %
15°	26.92	48.98	2.69 %	4.90 %
20°	36.50	85.48	3.65 %	8.55 %
25°	44.95	130.43	4.49 %	13.04 %
30°	52.11	182.54	5.21 %	18.25 %
35°	57.76	240.30	5.78 %	24.03 %
40°	61.95	302.24	6.19 %	30.22 %
45°	64.63	366.87	6.46 %	36.69 %
50°	66.16	433.03	6.62 %	43.30 %
55°	66.64	499.67	6.66 %	49.97 %
60°	65.86	565.53	6.59 %	56.55 %
65°	63.79	629.32	6.38 %	62.93 %
70°	60.37	689.70	6.04 %	68.97 %
75°	55.94	745.63	5.59 %	74.56 %
80°	50.82	796.45	5.08 %	79.64 %
85°	45.31	841.76	4.53 %	84.18 %
90°	39.32	881.08	3.93 %	88.11 %
95°	33.33	914.41	3.33 %	91.44 %
100°	27.42	941.83	2.74 %	94.18 %
105°	21.84	963.67	2.18 %	96.37 %
110°	16.45	980.12	1.65 %	98.01 %
115°	11.04	991.16	1.10 %	99.12 %
120°	6.01	997.17	0.60 %	99.72 %
125°	1.97	999.14	0.20 %	99.91 %
130°	0.23	999.37	0.02 %	99.94 %
135°	0.11	999.48	0.01 %	99.95 %
140°	0.10	999.58	0.01 %	99.96 %
145°	0.09	999.68	0.01 %	99.97 %
150°	0.08	999.76	0.01 %	99.98 %
155°	0.07	999.83	0.01 %	99.98 %
160°	0.06	999.88	0.01 %	99.99 %
165°	0.05	999.93	0.00 %	99.99 %
170°	0.04	999.97	0.00 %	100.00 %
175°	0.03	999.99	0.00 %	100.00 %
180°	0.01	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

