

Luminaire

Code 1728XX (TW 2200K)
Name 1728 (TW 2200K)
Line OFFSET - HIGH COMFORT DIFFUSER

Measurem.

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Source Data

Code	5753156	Correlated Color Temperature (CCT)	2200K	Q.ty	1
Name	1 LED x 10.4W 24 V	Color rendering index (CRI)	90		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	16-10-2024	Maximum Gamma Angle	180°
Measurement Distance	3.85m	Measurement Flux	262.0 lm
Maximum	964.56 cd/klm	Position	C=0.0° G=0.0°
Remarks	This photometry has been performed using a bench power supply.		

Electrical Parameters

Channel 1		Channel 2	
Voltage	0.00 V	Voltage	24.00 V
Current	0.00 A	Current	0.54 A
Power	0.00 W	Power	12.96 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.00	Power Factor	0.00

Environmental Parameters

Temperature	25.2 °C	Air Speed	0.0 m/s
Humidity	45.0 %		

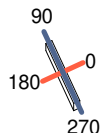
Luminaire Dimensions

Rectangular Luminaire	Length	400 mm	Width	40 mm	Height	70 mm
Rectangular Luminous Area	Length	11 mm	Width	250 mm	Height	0 mm
Horizontal Luminous Area	0.002750 m2		Emitting area on Plane 180°	0.000000 m2		
Emitting area on Plane 0°	0.000000 m2		Emitting area on Plane 270°	0.000000 m2		
Emitting area on Plane 90°	0.000000 m2		Glare area at 76°	0.000665 m2		

Photometric Assessment

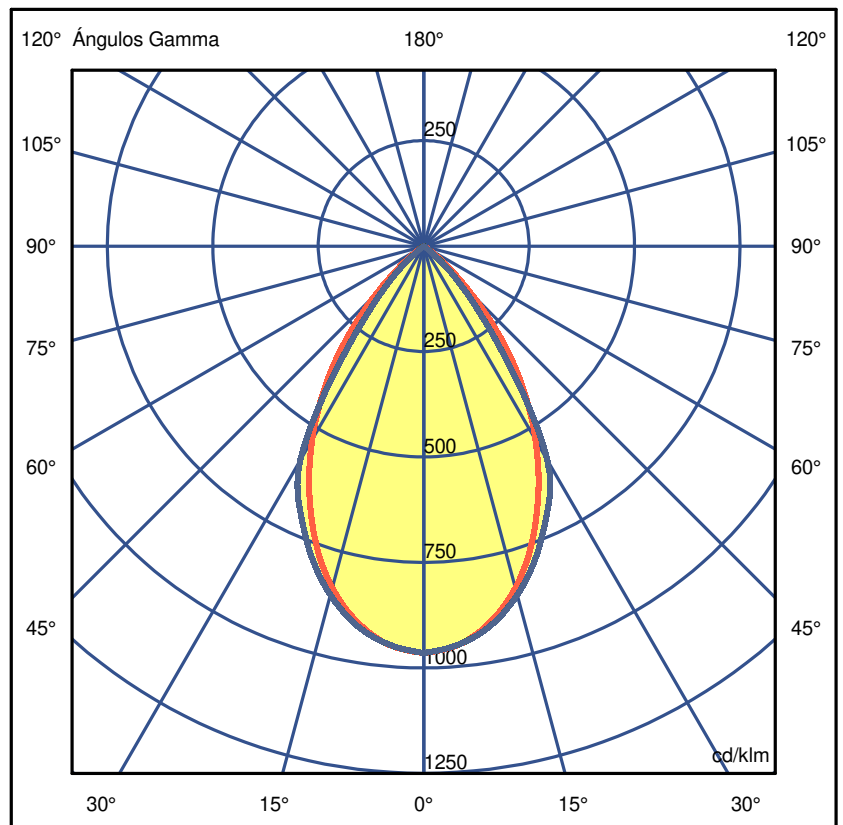
Luminaire Flux	262.0 lm	Source Flux	262.0 lm
Efficacy	20.215 lm/W	Efficiency	100.0 %
CIE Flux Codes	90 100 100 100 100	D DIN 5040	A60
F UTE	1.00 A	B NBN	BZ 1

400mm x 40mm



Semiplanos C
180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



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Luminous Intensity Table cd/klm Table 1/1

	C 0.00	C 90.00
G 0.0	965	965
G 5.0	948	948
G 10.0	905	913
G 15.0	839	856
G 20.0	749	781
G 25.0	643	693
G 30.0	530	586
G 35.0	409	375
G 40.0	282	205
G 45.0	157	106
G 50.0	68	34
G 55.0	16	0
G 60.0	6	0
G 65.0	0	0
G 70.0	0	0
G 75.0	0	0
G 80.0	0	0
G 85.0	0	0
G 90.0	0	0
G 95.0	0	0
G100.0	0	0
G105.0	0	0
G110.0	0	0
G115.0	0	0
G120.0	0	0
G125.0	0	0
G130.0	0	0
G135.0	0	0
G140.0	0	0
G145.0	0	0
G150.0	0	0
G155.0	0	0
G160.0	0	0
G165.0	0	0
G170.0	0	0
G175.0	0	0
G180.0	0	0

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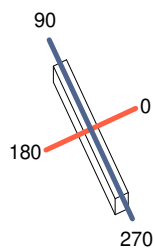
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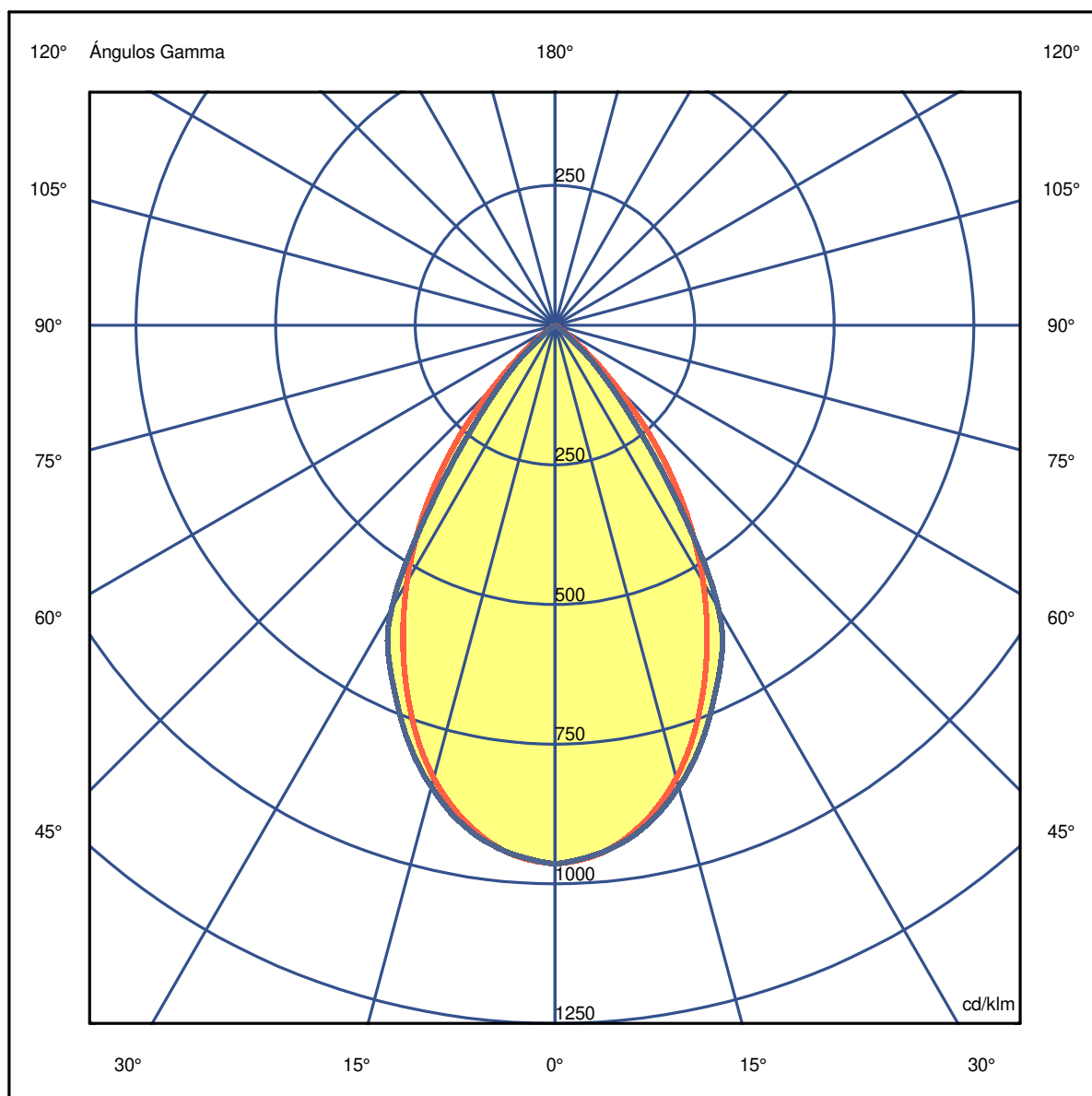
Luminaire Flux	262 lm	Luminaire Power	13.0 W	Efficacy	20.215 lm/W	Efficiency	100.00%
Source Flux	262 lm	Maximum value	964.56 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

400mm x 40mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0



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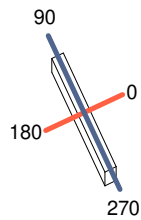
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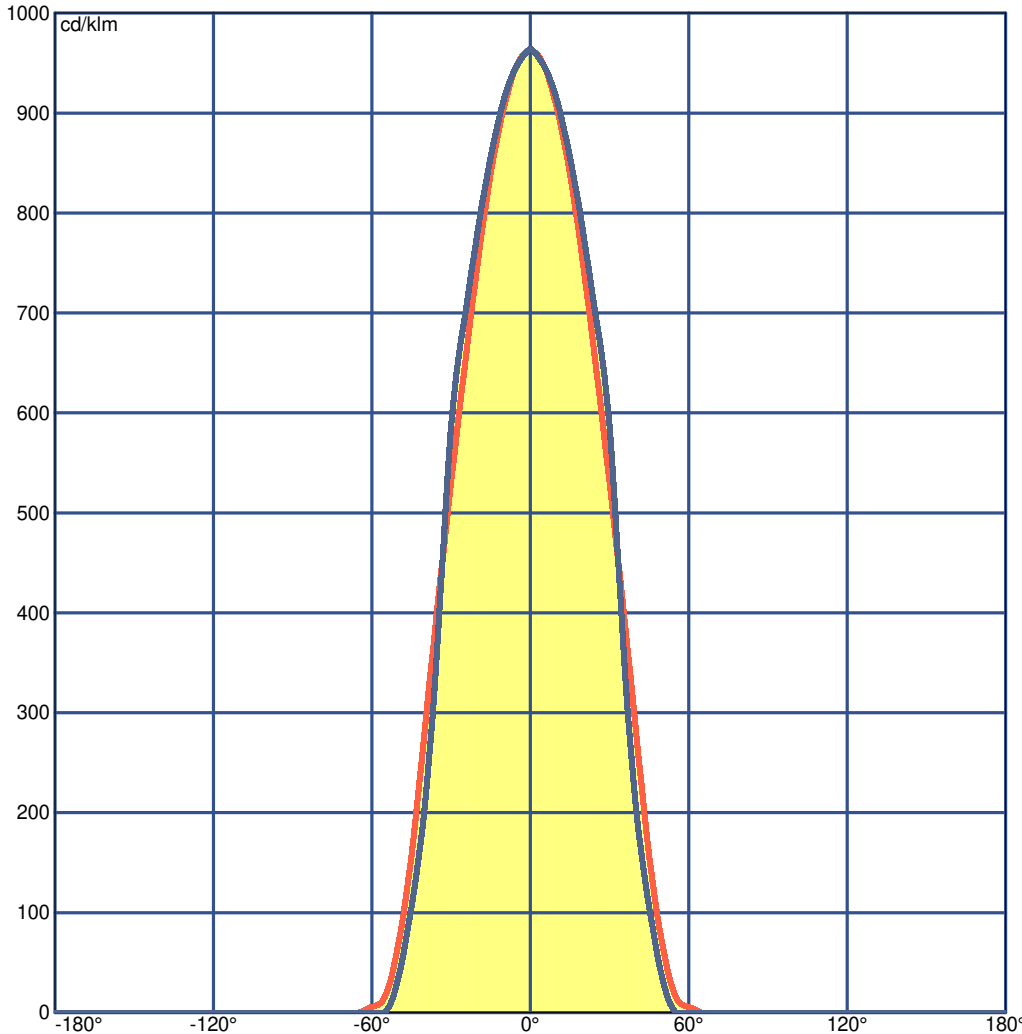
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Source Flux	262 lm	Maximum value	964.56 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions										
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	18.5	19.3	18.8	19.5	19.7	17.8	18.6	18.1	18.8	19.0
x=2H y=3H	18.4	19.1	18.7	19.3	19.5	17.7	18.4	18.0	18.6	18.8
x=2H y=4H	18.3	18.9	18.6	19.2	19.5	17.6	18.2	17.9	18.5	18.8
x=2H y=6H	18.2	18.8	18.6	19.1	19.4	17.5	18.1	17.9	18.4	18.7
x=2H y=8H	18.2	18.8	18.5	19.0	19.4	17.5	18.1	17.8	18.3	18.7
x=2H y=12H	18.2	18.7	18.5	19.0	19.3	17.5	18.0	17.8	18.3	18.6
x=4H y=2H	18.3	18.9	18.6	19.2	19.5	17.6	18.2	17.9	18.5	18.8
x=4H y=3H	18.2	18.7	18.5	19.0	19.3	17.5	18.0	17.8	18.3	18.6
x=4H y=4H	18.1	18.5	18.5	18.9	19.2	17.4	17.8	17.8	18.2	18.5
x=4H y=6H	18.0	18.4	18.4	18.8	19.1	17.3	17.7	17.7	18.1	18.5
x=4H y=8H	18.0	18.3	18.4	18.7	19.1	17.3	17.6	17.7	18.0	18.4
x=4H y=12H	18.0	18.2	18.4	18.6	19.1	17.3	17.5	17.7	17.9	18.4
x=8H y=4H	18.0	18.3	18.4	18.7	19.1	17.3	17.6	17.7	18.0	18.4
x=8H y=6H	17.9	18.2	18.3	18.6	19.0	17.2	17.5	17.6	17.9	18.3
x=8H y=8H	17.9	18.1	18.3	18.5	19.0	17.2	17.4	17.6	17.8	18.3
x=8H y=12H	17.8	18.0	18.3	18.4	18.9	17.1	17.3	17.6	17.8	18.3
x=12H y=4H	18.0	18.2	18.4	18.6	19.1	17.3	17.5	17.7	17.9	18.4
x=12H y=6H	17.9	18.1	18.3	18.5	19.0	17.2	17.4	17.6	17.8	18.3
x=12H y=8H	17.8	18.0	18.3	18.4	18.9	17.1	17.3	17.6	17.8	18.3

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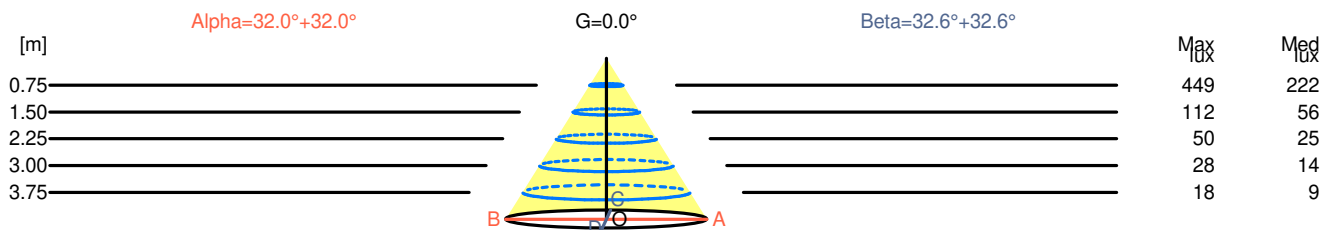
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Luminaire Flux	262 lm	Luminaire Power	13.0 W	Efficacy	20.215 lm/W	Efficiency	100.00%
Source Flux	262 lm	Maximum value	964.56 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

H[m]	0.75	1.50	2.25	3.00	3.75	H[m]	0.75	1.50	2.25	3.00	3.75
OA	0.47	0.94	1.41	1.88	2.34	OC	0.48	0.96	1.44	1.92	2.40
OB	0.47	0.94	1.41	1.88	2.34	OD	0.48	0.96	1.44	1.92	2.40

Luminous Intensities [cd/klm]											
	0	5	15	25	35	45	55	65	75	85	
OA	252.70	248.45	219.85	168.45	107.25	41.15	4.20	0.00	0.00	0.00	
OB	252.70	248.45	219.85	168.45	107.25	41.15	4.20	0.00	0.00	0.00	
OC	252.70	248.30	224.20	181.55	98.25	27.65	0.00	0.00	0.00	0.00	
OD	252.70	248.30	224.20	181.55	98.25	27.65	0.00	0.00	0.00	0.00	



H[m]	D[m]	Max lux	Med lux	Alpha=32.0°+32.0°	G=0.0
0.75	0.94	449	222		
1.50	1.88	112	56		
2.25	2.81	50	25		
3.00	3.75	28	14		
3.75	4.69	18	9		

H[m]	D[m]	Max lux	Med lux	Beta=32.6°+32.6°	G=0.0
0.75	0.96	449	222		
1.50	1.92	112	56		
2.25	2.88	50	25		
3.00	3.83	28	14		
3.75	4.79	18	9		

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Flujo Total=261.98 Flujo Luminaria=261.98

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	0.65	0.71	0.77	0.81	0.84	0.90	0.93	0.95	0.97	0.98	1.00	1.01
RC	-	-	-	-	-	-	-	-	-	-	-	-

Flujo Zonal por 1000 Lúmenes

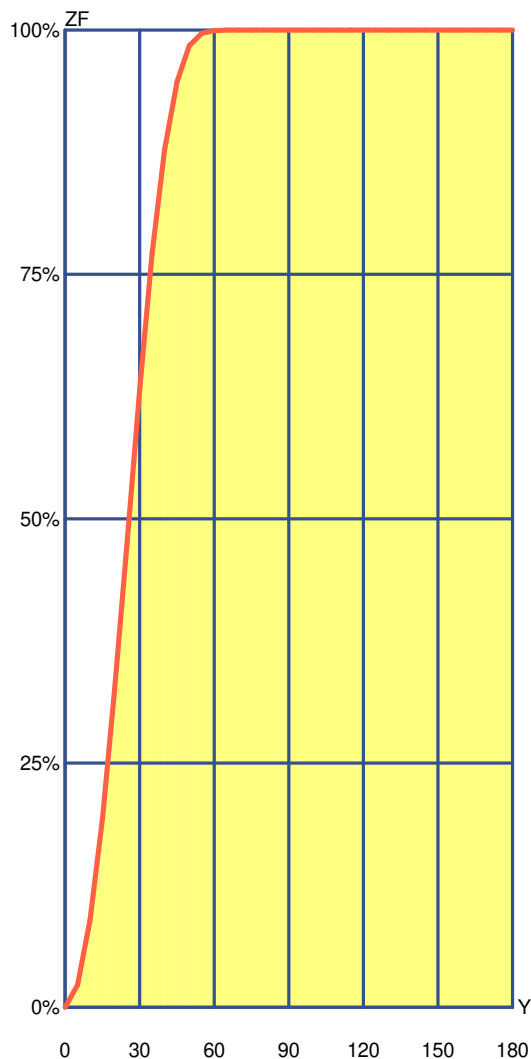
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	89	326	632	878	984	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

90 100 100 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-
D DIN 5040	A60
F UTE	1.00 A
B NBN	BZ 1
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°	22.86	22.86	2.29 %	2.29 %
10°	66.45	89.31	6.64 %	8.93 %
15°	104.22	193.53	10.42 %	19.35 %
20°	132.85	326.38	13.29 %	32.64 %
25°	150.25	476.63	15.02 %	47.66 %
30°	155.12	631.75	15.51 %	63.17 %
35°	139.89	771.64	13.99 %	77.16 %
40°	106.08	877.72	10.61 %	87.77 %
45°	69.42	947.14	6.94 %	94.71 %
50°	36.83	983.97	3.68 %	98.40 %
55°	12.82	996.79	1.28 %	99.68 %
60°	2.51	999.30	0.25 %	99.93 %
65°	0.70	1000.00	0.07 %	100.00 %
70°	0.00	1000.00	0.00 %	100.00 %
75°	0.00	1000.00	0.00 %	100.00 %
80°	0.00	1000.00	0.00 %	100.00 %
85°	0.00	1000.00	0.00 %	100.00 %
90°	0.00	1000.00	0.00 %	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

