

Luminaire

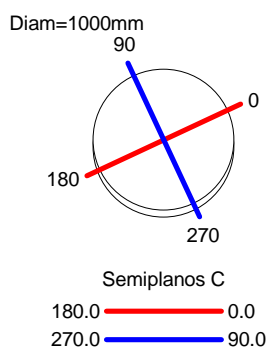
Code A681-482
Name DJEMBE C 100.38

Measurem.

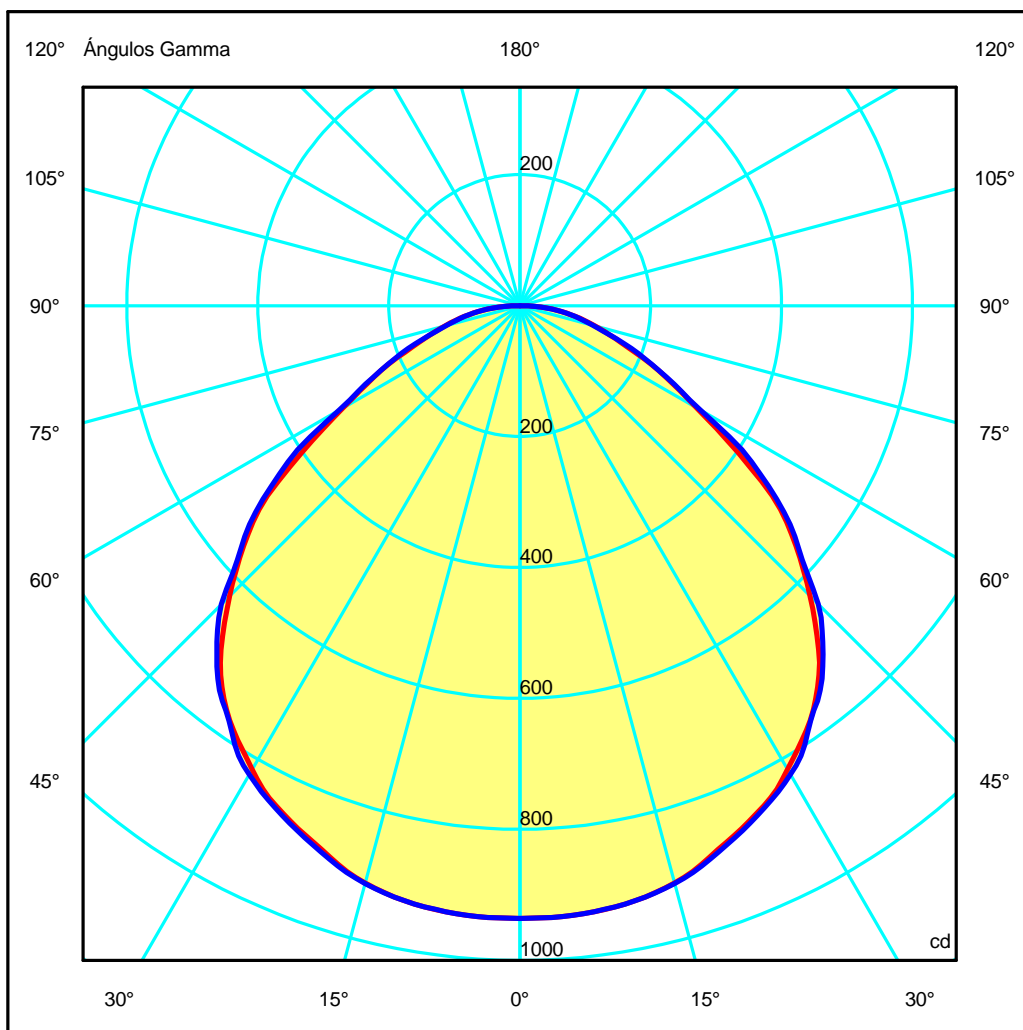
Code CL041A20F015G
Name DJEMBE C 100.38

Luminaire Flux	2519.02 lm	Luminaire Power	36.35 W	Efficacy	69.30 lm/W	Efficiency	100.00%
Sources Flux	2519.02 lm	Maximum value	935.79 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	1000 mm 999 mm	Height Height	370 mm 0 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		0.783828 m2 0.000000 m2 0.000000 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.000000 m2 0.000000 m2 0.189625 m2	
Coordinate system Date Measurement Distance		CG 02-06-2020 6.44		Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 90 2519.02 lm	
Operator Temperature Humidity Notes		Asselum T2 25.10 °C 55.10 % RM20051202		Rated Voltage Rated Current Photocell		230.14 V 0.16 A Prc	

Line		Code LED	Luminaire Lamps Name LED		Flux [lm] 2519.02	Pow. [W] 36.35	Q.ty 1
C.I.E.	51 84 96 100 100		D DIN 5040 B NBN		A40 BZ 4		
F UTE	1.00 D						



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	936	936	936	936	936	936	936
G 2.5	936	935	936	936	935	936	936
G 5.0	935	934	934	935	934	935	935
G 7.5	932	931	932	932	932	933	932
G 10.0	928	927	928	928	928	929	928
G 12.5	922	921	922	922	922	923	922
G 15.0	913	912	913	914	913	914	914
G 17.5	901	900	901	902	901	902	903
G 20.0	884	886	888	888	889	887	888
G 22.5	870	871	871	873	873	874	874
G 25.0	856	854	857	858	858	859	859
G 27.5	840	838	841	842	843	844	844
G 30.0	818	819	823	824	826	825	827
G 32.5	795	795	802	804	808	804	805
G 35.0	773	772	772	781	779	782	774
G 37.5	745	738	749	752	751	751	751
G 40.0	712	707	715	721	722	721	720
G 42.5	670	671	681	686	688	686	684
G 45.0	627	626	644	643	652	643	645
G 47.5	584	584	590	601	602	602	590
G 50.0	542	534	544	553	552	550	548
G 52.5	494	484	492	501	502	503	502
G 55.0	429	430	444	448	451	450	448
G 57.5	366	370	388	388	399	388	392
G 60.0	312	317	325	335	335	332	318
G 62.5	269	269	278	282	280	276	272
G 65.0	233	232	233	239	237	236	234
G 67.5	196	199	200	202	202	202	202
G 70.0	165	166	167	169	172	168	169
G 72.5	140	140	140	142	140	141	139
G 75.0	117	116	118	117	116	116	116
G 77.5	98	97	97	97	96	96	96
G 80.0	79	80	79	78	78	79	79
G 82.5	61	60	58	59	58	60	61
G 85.0	42	39	40	38	38	39	41
G 87.5	21	22	20	17	18	20	20
G 90.0	8	9	8	7	5	8	9

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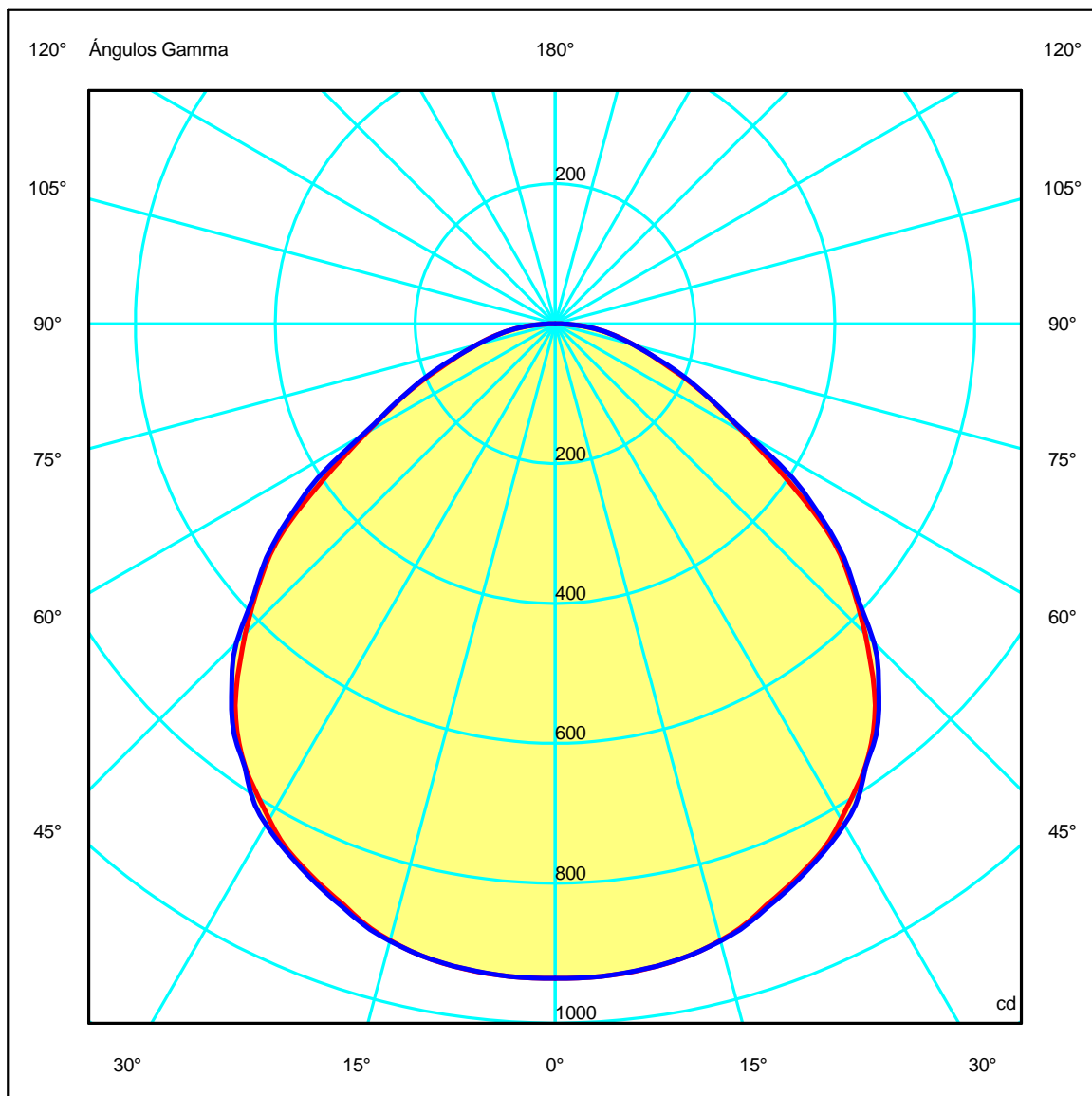
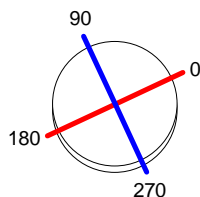
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Sources Flux	2519.02 lm	Maximum value	935.79 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=1000mm

Semiplanos C

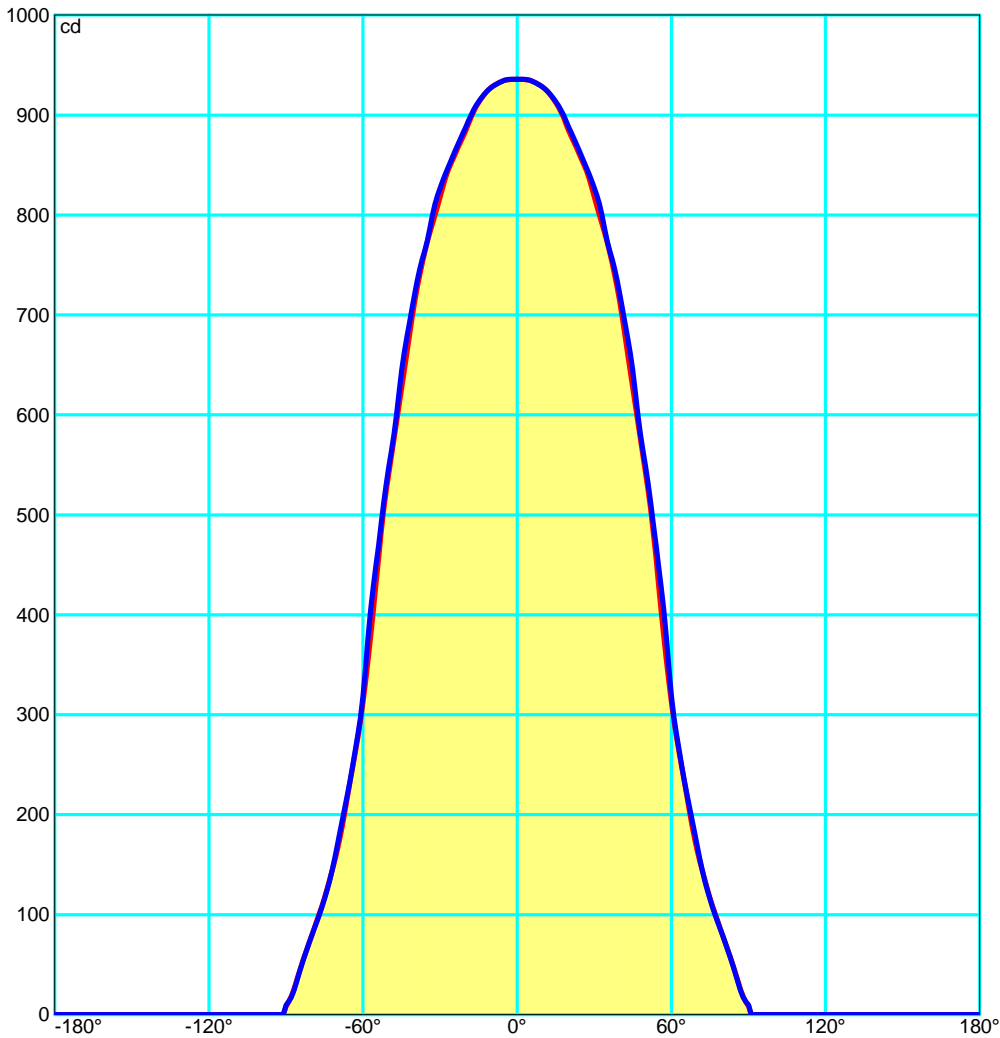
180.0 ——— 0.0

270.0 ——— 90.0



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Sources Flux	2519.02 lm	Maximum value	935.79 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	12.0	13.3	12.3	13.5	13.7	12.2	13.4	12.5	13.7	13.9
x=2H y=3H	13.0	14.2	13.3	14.4	14.7	13.2	14.3	13.5	14.6	14.8
x=2H y=4H	13.4	14.5	13.8	14.8	15.1	13.6	14.7	13.9	14.9	15.2
x=2H y=6H	13.8	14.8	14.2	15.1	15.4	13.9	14.9	14.3	15.2	15.5
x=2H y=8H	14.0	15.0	14.4	15.3	15.6	14.1	15.1	14.5	15.4	15.7
x=2H y=12H	14.1	15.1	14.5	15.4	15.7	14.2	15.1	14.6	15.5	15.8
x=4H y=2H	12.6	13.6	12.9	13.9	14.2	12.7	13.8	13.0	14.1	14.3
x=4H y=3H	13.7	14.7	14.1	15.0	15.3	13.9	14.8	14.2	15.1	15.4
x=4H y=4H	14.3	15.1	14.7	15.5	15.8	14.4	15.2	14.8	15.6	15.9
x=4H y=6H	14.9	15.5	15.3	15.9	16.3	14.9	15.6	15.3	16.0	16.4
x=4H y=8H	15.1	15.7	15.5	16.1	16.5	15.2	15.8	15.6	16.2	16.6
x=4H y=12H	15.3	15.9	15.7	16.3	16.7	15.4	15.9	15.8	16.3	16.8
x=8H y=4H	14.6	15.2	15.0	15.6	16.0	14.7	15.3	15.1	15.7	16.1
x=8H y=6H	15.3	15.8	15.7	16.2	16.7	15.3	15.9	15.8	16.3	16.7
x=8H y=8H	15.6	16.1	16.1	16.5	17.0	15.6	16.1	16.1	16.6	17.0
x=8H y=12H	15.9	16.3	16.4	16.7	17.2	15.9	16.3	16.4	16.8	17.3
x=12H y=4H	14.6	15.2	15.0	15.6	16.0	14.7	15.3	15.1	15.7	16.1
x=12H y=6H	15.3	15.8	15.8	16.2	16.7	15.4	15.9	15.9	16.3	16.8
x=12H y=8H	15.7	16.1	16.2	16.6	17.1	15.8	16.1	16.2	16.6	17.1

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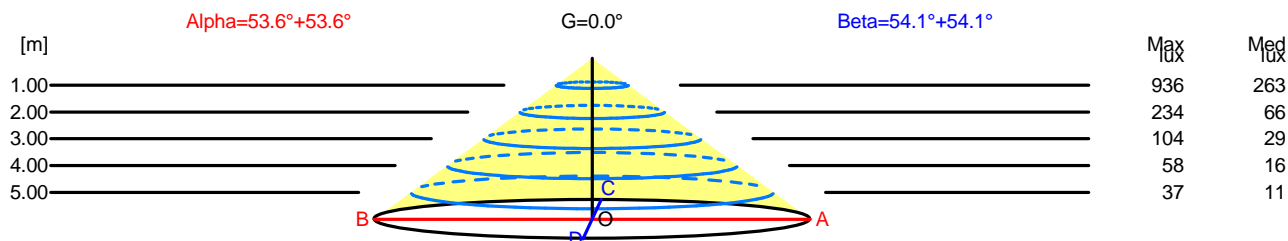
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Sources Flux	2519.02 lm	Maximum value	935.79 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.35	2.71	4.06	5.42	6.77	OC	1.38	2.76	4.14	5.52	6.90
OB	1.35	2.71	4.06	5.42	6.77	OD	1.38	2.76	4.14	5.52	6.90

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	935.79	934.64	912.68	855.61	773.05	626.86	428.91	233.45	116.91	41.69
OB	935.79	934.64	912.68	855.61	773.05	626.86	428.91	233.45	116.91	41.69
OC	935.79	934.62	913.54	858.85	774.02	644.60	447.99	234.40	115.80	40.65
OD	935.79	934.62	913.54	858.85	774.02	644.60	447.99	234.40	115.80	40.65



H[m]	D[m]	Max lux	Med lux	Alpha=53.6°+53.6°	G=0.0	
1.00	2.71	936	263			
2.00	5.42	234	66			
3.00	8.12	104	29			
4.00	10.83	58	16			
5.00	13.54	37	11			

H[m]	D[m]	Max lux	Med lux	Beta=54.1°+54.1°	G=0.0	
1.00	2.76	936	263			
2.00	5.52	234	66			
3.00	8.28	104	29			
4.00	11.04	58	16			
5.00	13.80	37	11			

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Flujo Total=2519.02 Flujo Luminaria=2519.02

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	0.33	0.42	0.50	0.57	0.63	0.71	0.76	0.80	0.85	0.87	0.93	0.96
RC	5	4	4	4	4	4	4	4	4	4	4	5

Flujo Zonal por 1000 Lúmenes

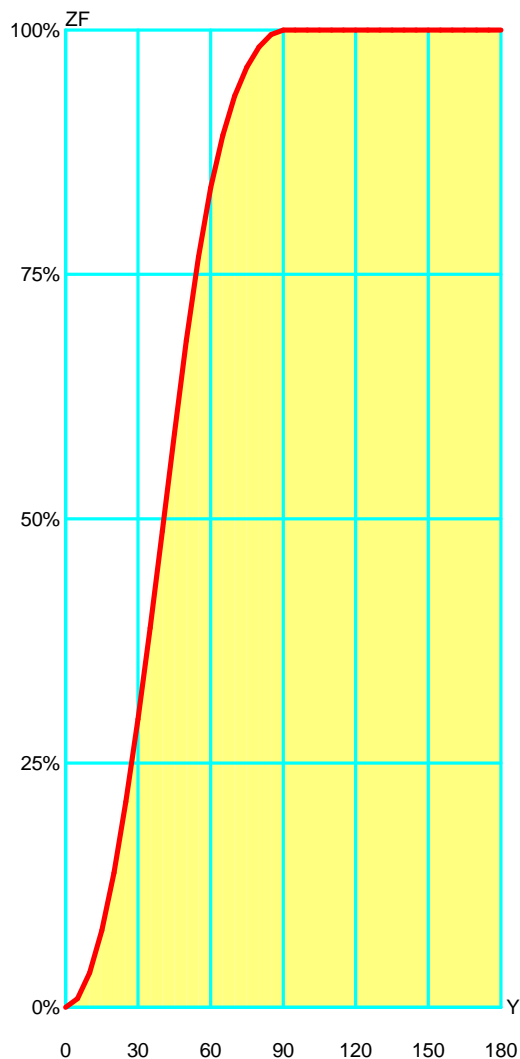
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	35	138	295	487	682	838	933	983	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

51 84 96 100 100

C.I.E. 5/4/4/4/4/4/4/4/4/5
D DIN 5040 A40
F UTE 1.00 D
B NBN BZ 4
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°	8.88	8.88	0.89 %	0.89 %
10°	26.45	35.33	2.65 %	3.53 %
15°	43.37	78.69	4.34 %	7.87 %
20°	58.91	137.60	5.89 %	13.76 %
25°	72.60	210.20	7.26 %	21.02 %
30°	84.46	294.66	8.45 %	29.47 %
35°	93.62	388.28	9.36 %	38.83 %
40°	98.95	487.23	9.89 %	48.72 %
45°	99.94	587.16	9.99 %	58.72 %
50°	95.22	682.38	9.52 %	68.24 %
55°	85.51	767.89	8.55 %	76.79 %
60°	70.60	838.49	7.06 %	83.85 %
65°	53.71	892.19	5.37 %	89.22 %
70°	40.44	932.63	4.04 %	93.26 %
75°	29.34	961.97	2.93 %	96.20 %
80°	20.64	982.60	2.06 %	98.26 %
85°	12.73	995.33	1.27 %	99.53 %
90°	4.67	1000.00	0.47 %	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

