Luminaire
Code 338041xx133
Name Mediterrània_PF_105_01_ OUTDOOR
Measurem.
Code CL092A20F017G
Name Mediterrània_PF_105_01_ OUTDOOR

Luminaire Flux	1456.06 lm	Luminaire Power	19.74 W	Efficacy	73.75 lm/W	Efficiency	100.00%
Sources Flux	1456.06 lm	Maximum value	311.24 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

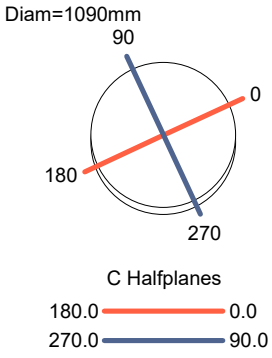
Round Luminaire	Diam. 1090 mm	Height	125 mm
Round Luminous Area	Diam. 190 mm	Height	100 mm
Horizontal Luminous Area	0.028353 m2	Emitting area on Plane 180°	0.019000 m2
Emitting area on Plane 0°	0.019000 m2	Emitting area on Plane 270°	0.019000 m2
Emitting area on Plane 90°	0.019000 m2	Glare area at 76°	0.025295 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	19-11-2020	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	1456.06 lm
Operator	ASSELUM	Rated Voltage	230.24 V
Temperature	24.90 °C	Rated Current	0.10 A
Humidity	36.60 %	Photocell	Prc
Notes	RM20110502.1		

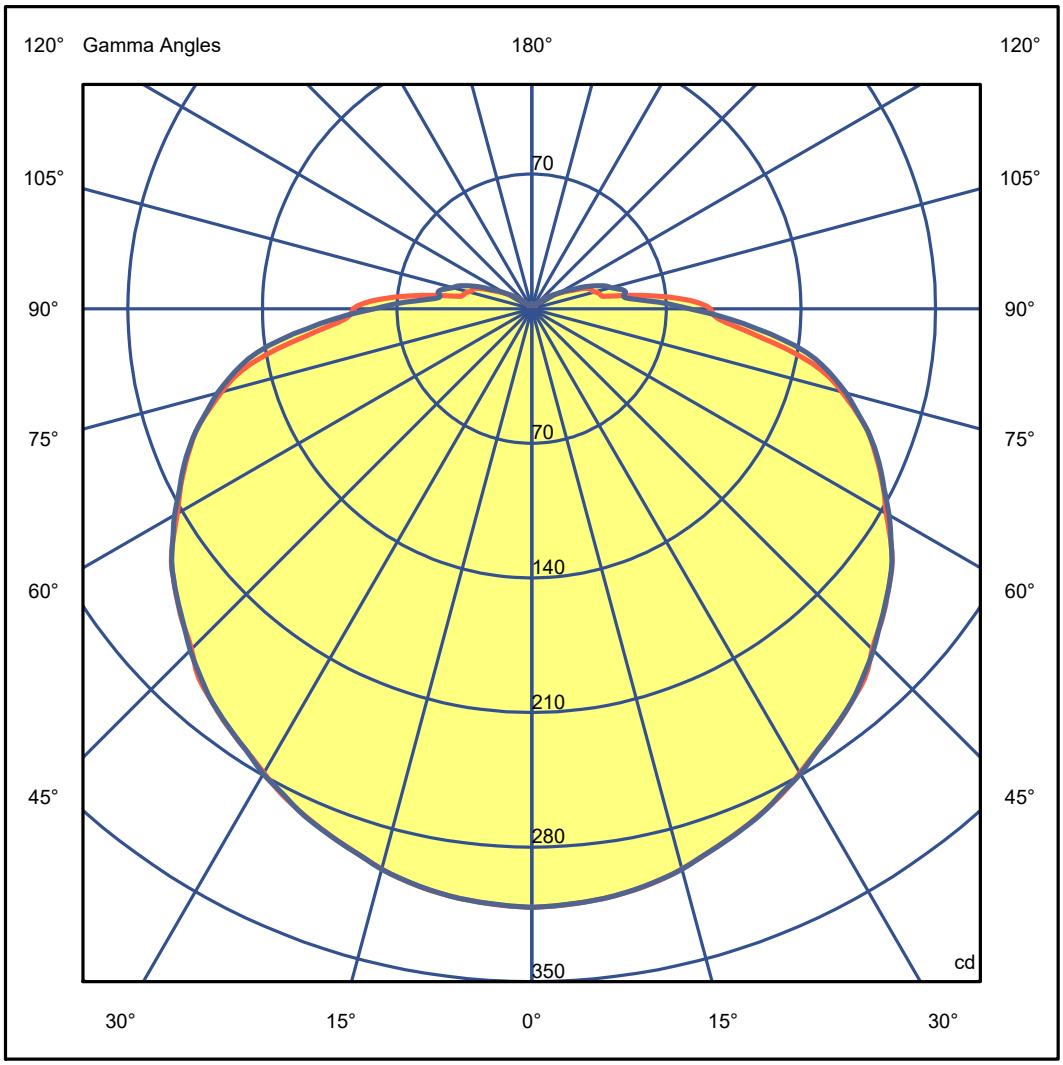
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	S1W0-5630279003-0000003[illegible]004	[illegible]	1456.06	19.74	1

C.I.E.	34 62 85 90 100	D DIN 5040	B21
F UTE	0.90 H + 0.10 T	B NBN	BZ 6







ULOR 9.85 %
DLOR 90.15 %
RN 9.85 %

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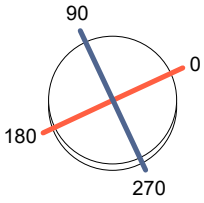
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	311.24	311.24	311.24	311.24	311.24	311.24	311.24
G 2.5	310.74	310.79	310.89	311.00	310.87	310.70	310.61
G 5.0	309.85	309.92	310.07	310.25	310.14	309.97	309.77
G 7.5	308.59	308.64	308.70	308.76	308.71	308.64	308.60
G 10.0	306.89	306.82	306.74	306.67	306.70	306.78	306.81
G 12.5	304.73	304.59	304.45	304.31	304.31	304.38	304.42
G 15.0	301.59	301.56	301.58	301.72	301.75	301.79	301.81
G 17.5	297.90	298.13	298.42	298.83	298.70	298.39	297.84
G 20.0	294.52	294.64	294.81	295.10	295.12	295.05	294.67
G 22.5	291.10	290.79	290.63	290.76	290.79	290.86	291.28
G 25.0	287.50	287.42	287.18	286.61	286.92	287.40	287.65
G 27.5	283.55	283.48	283.24	282.67	282.69	282.85	282.95
G 30.0	278.75	278.65	278.65	278.83	279.00	279.22	279.33
G 32.5	274.08	274.31	274.62	275.08	274.83	274.44	274.23
G 35.0	270.35	270.44	270.61	270.91	270.84	270.66	270.17
G 37.5	266.30	265.76	265.42	265.62	265.56	265.64	266.11
G 40.0	262.09	261.90	261.71	261.52	261.58	261.72	261.80
G 42.5	257.61	257.32	257.03	256.74	256.50	256.37	256.33
G 45.0	250.26	250.48	251.12	252.04	252.08	251.86	251.21
G 47.5	245.24	245.10	245.44	246.47	246.32	245.96	245.19
G 50.0	240.04	239.87	240.17	241.19	240.97	240.57	239.78
G 52.5	234.43	233.81	233.54	233.97	233.87	233.84	234.39
G 55.0	228.83	228.00	227.40	227.25	227.27	227.64	228.58
G 57.5	220.98	220.89	220.92	221.20	221.22	221.30	221.35
G 60.0	212.84	212.89	213.48	214.93	215.22	215.18	214.48
G 62.5	206.46	206.83	207.32	208.03	208.06	207.81	206.97
G 65.0	199.75	200.18	200.71	201.43	201.46	201.24	200.42
G 67.5	192.83	192.43	192.11	192.24	192.65	193.20	193.47
G 70.0	185.80	185.25	184.70	184.15	184.66	185.48	185.92
G 72.5	176.63	176.54	176.59	176.94	177.00	177.15	177.23
G 75.0	167.03	167.03	167.67	169.36	169.83	169.93	169.18
G 77.5	156.76	157.21	158.75	160.76	160.85	160.28	159.90
G 80.0	141.67	142.10	143.83	146.27	148.30	149.77	149.63
G 82.5	123.00	121.92	122.19	125.35	128.23	131.65	135.18
G 85.0	106.68	107.16	106.95	106.46	110.19	114.30	117.23
G 87.5	95.58	94.82	94.05	93.28	95.34	98.37	99.92
G 90.0	92.92	89.98	87.05	84.12	80.70	79.71	81.98
G 92.5	84.88	81.24	76.26	71.85	69.49	68.73	68.68
G 95.0	70.97	65.15	59.04	54.69	53.47	54.13	54.78
G 97.5	53.79	49.25	45.14	43.15	44.27	46.74	48.11
G100.0	37.18	36.83	36.65	37.85	42.30	47.21	49.53
G102.5	35.91	35.95	35.94	36.89	40.78	45.06	47.07
G105.0	33.93	33.43	33.28	34.51	37.63	41.05	42.66
G107.5	32.46	31.83	31.43	32.36	35.17	38.36	39.88
G110.0	31.08	30.06	29.09	29.29	31.01	33.23	35.00
G112.5	27.25	26.49	25.65	25.26	26.65	28.59	30.20
G115.0	22.39	22.10	21.71	21.62	22.48	23.62	24.20
G117.5	19.06	18.75	18.38	18.30	19.10	20.16	20.70
G120.0	15.92	15.71	15.43	15.31	15.68	16.24	16.53
G122.5	13.27	13.08	12.69	12.20	12.64	13.32	13.67
G125.0	10.94	10.45	9.85	9.37	9.73	10.41	11.07
G127.5	8.90	8.28	7.45	7.09	7.47	8.24	8.98
G130.0	6.51	6.28	5.82	5.59	5.79	6.20	6.43
G132.5	4.80	4.69	4.57	4.46	4.63	4.90	5.04
G135.0	3.72	3.65	3.58	3.51	3.65	3.84	3.94
G137.5	2.91	2.90	2.89	2.89	3.00	3.14	3.21
G140.0	2.47	2.42	2.39	2.41	2.55	2.70	2.76
G142.5	2.22	2.24	2.26	2.25	2.32	2.38	2.41
G145.0	2.17	2.20	2.23	2.24	2.24	2.23	2.23
G147.5	2.20	2.22	2.22	2.22	2.21	2.20	2.19
G150.0	2.25	2.24	2.23	2.22	2.21	2.22	2.22
G152.5	2.23	2.24	2.25	2.25	2.25	2.24	2.24
G155.0	2.24	2.26	2.27	2.27	2.27	2.27	2.26
G157.5	2.31	2.33	2.33	2.33	2.32	2.31	2.30
G160.0	2.35	2.36	2.37	2.36	2.34	2.33	2.32
G162.5	2.42	2.42	2.41	2.40	2.39	2.38	2.38
G165.0	2.48	2.48	2.47	2.46	2.45	2.45	2.44
G167.5	2.50	2.51	2.52	2.52	2.50	2.48	2.47
G170.0	2.52	2.53	2.53	2.53	2.52	2.51	2.51
G172.5	2.56	2.56	2.55	2.54	2.55	2.56	2.57
G175.0	2.58	2.58	2.57	2.57	2.57	2.57	2.57
G177.5	2.60	2.60	2.61	2.61	2.61	2.61	2.61
G180.0	2.61	2.61	2.61	2.61	2.61	2.61	2.61

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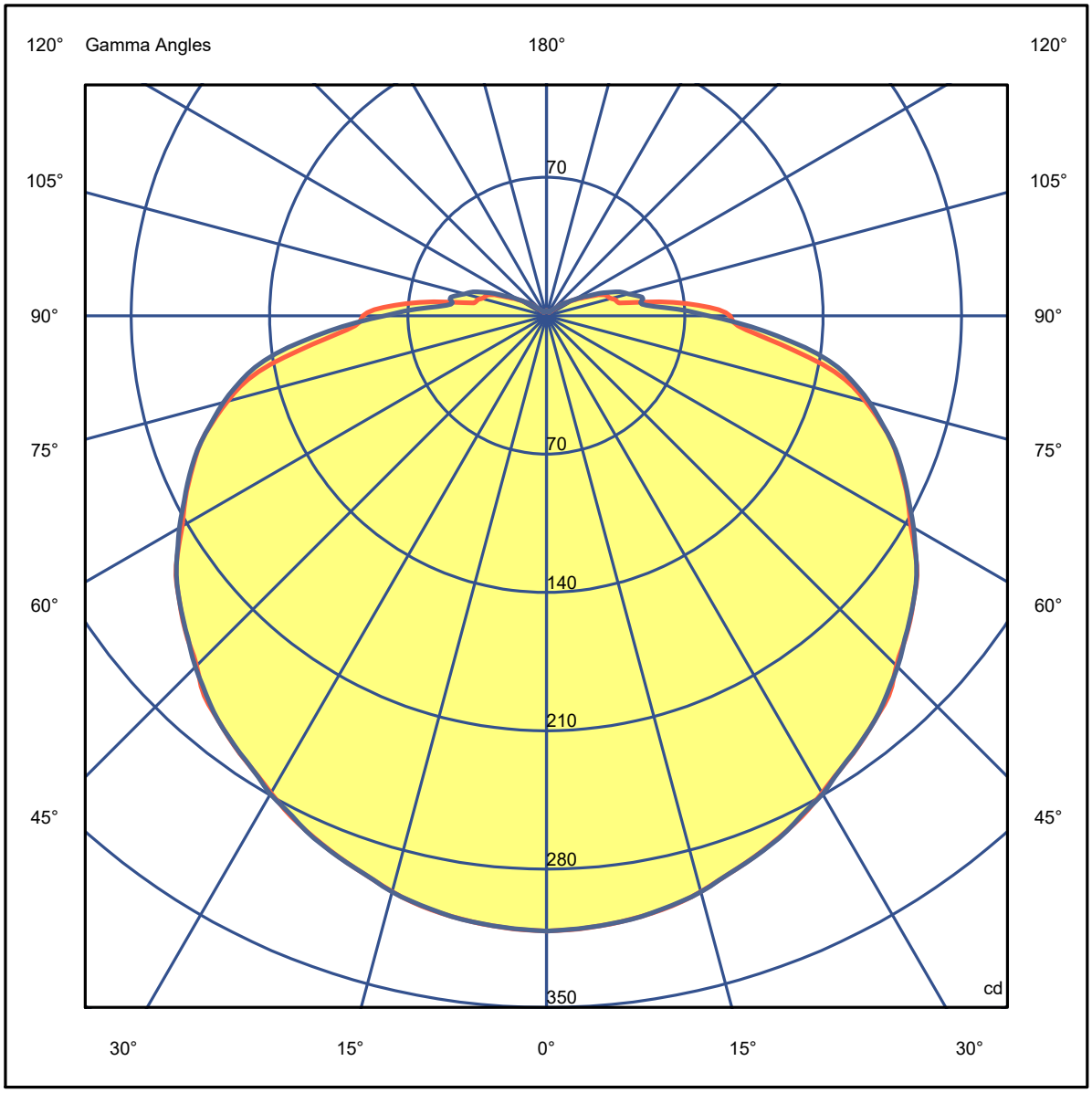
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Sources Flux	1456.06 lm	Maximum value	311.24 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=1090mm



C Halfplanes

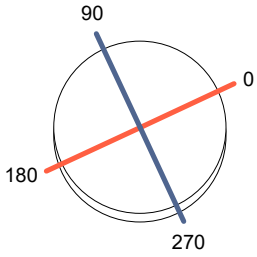
180.0 0.0
270.0 90.0



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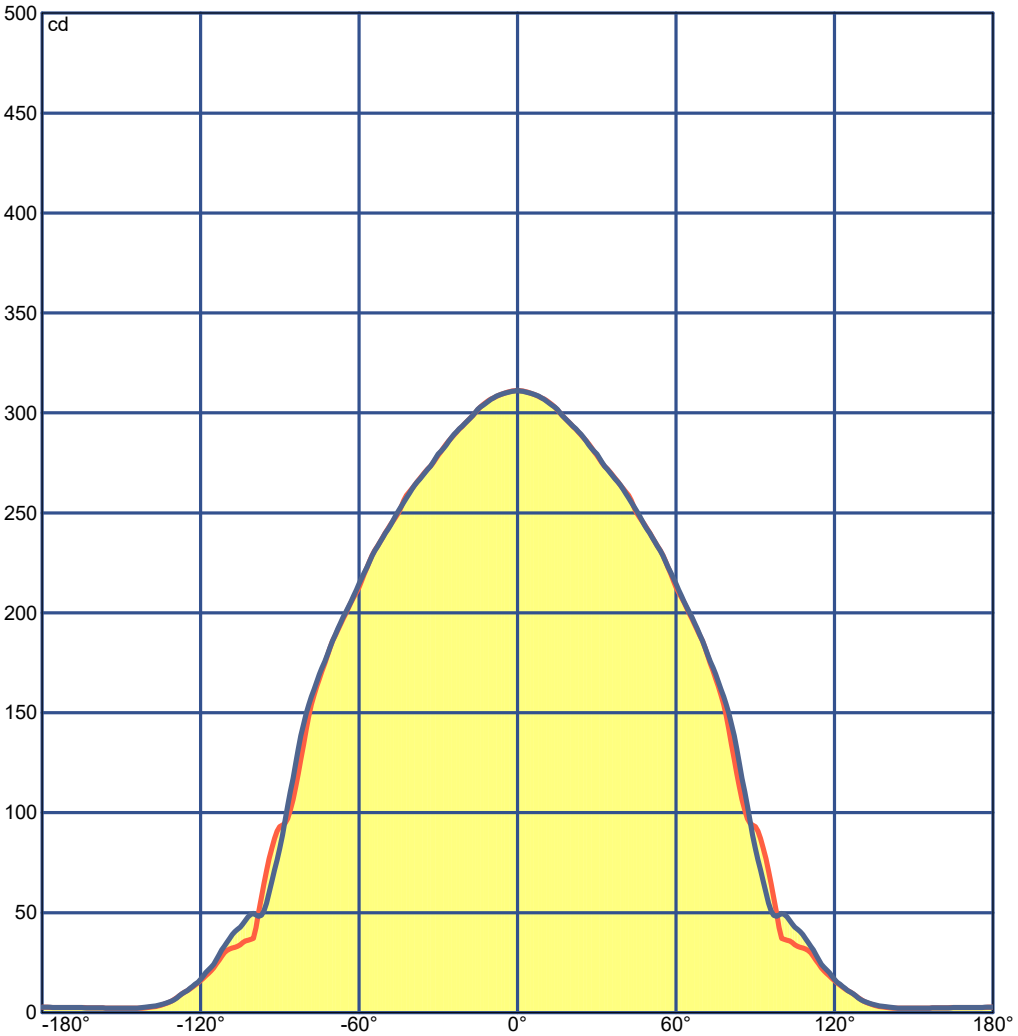
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Diam=1090mm



C Halfplanes





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Sources Flux	1456.06 lm	Maximum value	311.24 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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	18.8	20.2	19.3	20.6	21.1	18.8	20.2	19.3	20.6	21.1
x=2H y=3H	20.9	22.2	21.4	22.6	23.1	20.9	22.2	21.4	22.7	23.2
x=2H y=4H	22.0	23.1	22.5	23.6	24.1	22.0	23.2	22.5	23.7	24.2
x=2H y=6H	22.9	24.0	23.4	24.5	25.0	23.0	24.1	23.5	24.6	25.1
x=2H y=8H	23.2	24.3	23.7	24.8	25.4	23.4	24.5	23.9	25.0	25.5
x=2H y=12H	23.5	24.6	24.1	25.1	25.6	23.7	24.8	24.3	25.3	25.8
x=4H y=2H	19.6	20.8	20.1	21.3	21.8	19.6	20.8	20.1	21.3	21.8
x=4H y=3H	21.9	23.0	22.4	23.5	24.0	21.9	23.0	22.5	23.5	24.1
x=4H y=4H	23.1	24.0	23.7	24.6	25.2	23.1	24.1	23.7	24.6	25.2
x=4H y=6H	24.2	25.0	24.8	25.6	26.2	24.3	25.1	24.8	25.7	26.3
x=4H y=8H	24.6	25.4	25.2	26.0	26.6	24.8	25.6	25.4	26.1	26.8
x=4H y=12H	25.0	25.7	25.6	26.3	27.0	25.2	25.9	25.8	26.5	27.2
x=8H y=4H	23.6	24.4	24.2	24.9	25.6	23.6	24.4	24.2	25.0	25.6
x=8H y=6H	24.9	25.5	25.5	26.1	26.8	25.0	25.6	25.6	26.2	26.9
x=8H y=8H	25.4	26.0	26.1	26.6	27.3	25.6	26.2	26.2	26.8	27.5
x=8H y=12H	25.9	26.4	26.6	27.1	27.8	26.2	26.7	26.8	27.3	28.0
x=12H y=4H	24.4	25.1	25.0	25.7	26.3	24.4	25.1	25.0	25.7	26.3
x=12H y=6H	25.5	26.1	26.1	26.7	27.4	25.6	26.2	26.2	26.8	27.5
x=12H y=8H	26.1	26.6	26.7	27.2	27.9	26.2	26.7	26.8	27.3	28.0

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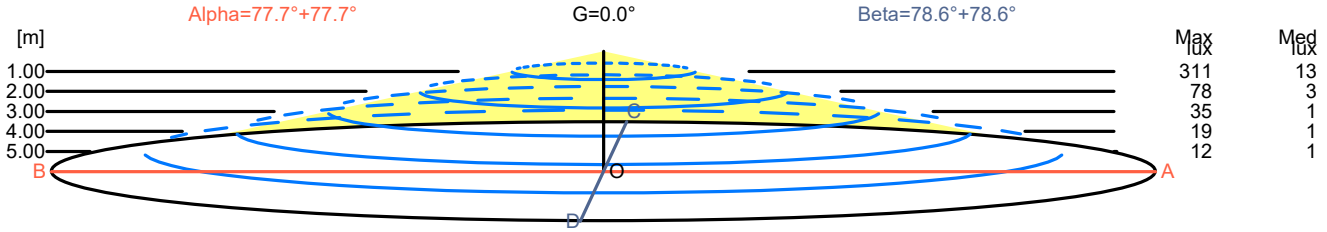
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Sources Flux	1456.06 lm	Maximum value	311.24 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	4.59	9.18	13.77	18.36	22.95	OC	4.96	9.92	14.88	19.84	24.80
OB	4.59	9.18	13.77	18.36	22.95	OD	4.96	9.92	14.88	19.84	24.80

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	311.24	309.85	301.59	287.50	270.35	250.26	228.83	199.75	167.03	106.68
OB	311.24	309.85	301.59	287.50	270.35	250.26	228.83	199.75	167.03	106.68
OC	311.24	309.77	301.81	287.65	270.17	251.21	228.58	200.42	169.18	117.23
OD	311.24	309.77	301.81	287.65	270.17	251.21	228.58	200.42	169.18	117.23



H[m]	D[m]	Max lux	Med lux	Alpha=77.7°+77.7° G=0.0
1.00	9.18	311	13	
2.00	18.36	78	3	
3.00	27.54	35	1	
4.00	36.72	19	1	
5.00	45.90	12	1	

H[m]	D[m]	Max lux	Med lux	Beta=78.6°+78.6° G=0.0
1.00	9.92	311	13	
2.00	19.84	78	3	
3.00	29.76	35	1	
4.00	39.68	19	1	
5.00	49.60	12	1	

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Total Flux=1456.06 Luminaire Flux=1456.06

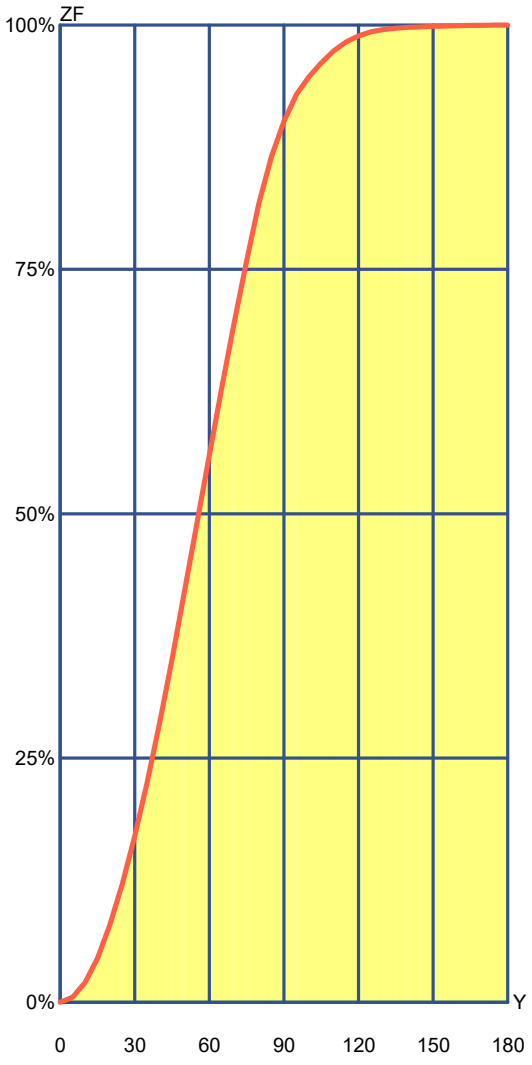
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.22	0.29	0.35	0.42	0.47	0.56	0.62	0.66	0.73	0.77	0.86	0.92
RC	7	7	7	7	7	7	7	7	7	7	7	7

Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	20	79	170	286	420	560	696	818	902	947	973	989	996	998	999	999	1000	1000

CIE Flux Codes
34 62 85 90 100

C.I.E.	7	LOR	100.00000 %
D DIN 5040	B21	ULOR	9.84824 %
F UTE	0.90 H + 0.10 T	DLOR	90.15176 %
B NBN	BZ 6	UFF	9.84824 %
RN	9.84824 %	DFF	90.15176 %
BLF	1.0	FFR	10.92407 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.10	5.10	0.51 %	0.51 %
10°	15.15	20.25	1.52 %	2.03 %
15°	24.79	45.04	2.48 %	4.50 %
20°	33.76	78.80	3.38 %	7.88 %
25°	41.90	120.70	4.19 %	12.07 %
30°	49.18	169.88	4.92 %	16.99 %
35°	55.54	225.42	5.55 %	22.54 %
40°	60.93	286.35	6.09 %	28.64 %
45°	65.27	351.62	6.53 %	35.16 %
50°	68.22	419.84	6.82 %	41.98 %
55°	69.87	489.71	6.99 %	48.97 %
60°	70.17	559.87	7.02 %	55.99 %
65°	69.28	629.15	6.93 %	62.91 %
70°	67.04	696.18	6.70 %	69.62 %
75°	63.48	759.67	6.35 %	75.97 %
80°	58.19	817.85	5.82 %	81.79 %
85°	47.42	865.27	4.74 %	86.53 %
90°	36.25	901.52	3.62 %	90.15 %
95°	27.38	928.90	2.74 %	92.89 %
100°	17.93	946.83	1.79 %	94.68 %
105°	14.31	961.14	1.43 %	96.11 %
110°	12.19	973.33	1.22 %	97.33 %
115°	9.33	982.66	0.93 %	98.27 %
120°	6.39	989.04	0.64 %	98.90 %
125°	4.11	993.15	0.41 %	99.32 %
130°	2.39	995.55	0.24 %	99.55 %
135°	1.33	996.88	0.13 %	99.69 %
140°	0.77	997.65	0.08 %	99.77 %
145°	0.53	998.19	0.05 %	99.82 %
150°	0.45	998.63	0.04 %	99.86 %
155°	0.39	999.02	0.04 %	99.90 %
160°	0.33	999.36	0.03 %	99.94 %
165°	0.27	999.63	0.03 %	99.96 %
170°	0.20	999.83	0.02 %	99.98 %
175°	0.13	999.96	0.01 %	100.00 %
180°	0.04	1000.00	0.00 %	100.00 %

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Sources Flux	1456.06 lm	Maximum value	311.24 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

