

Luminaire

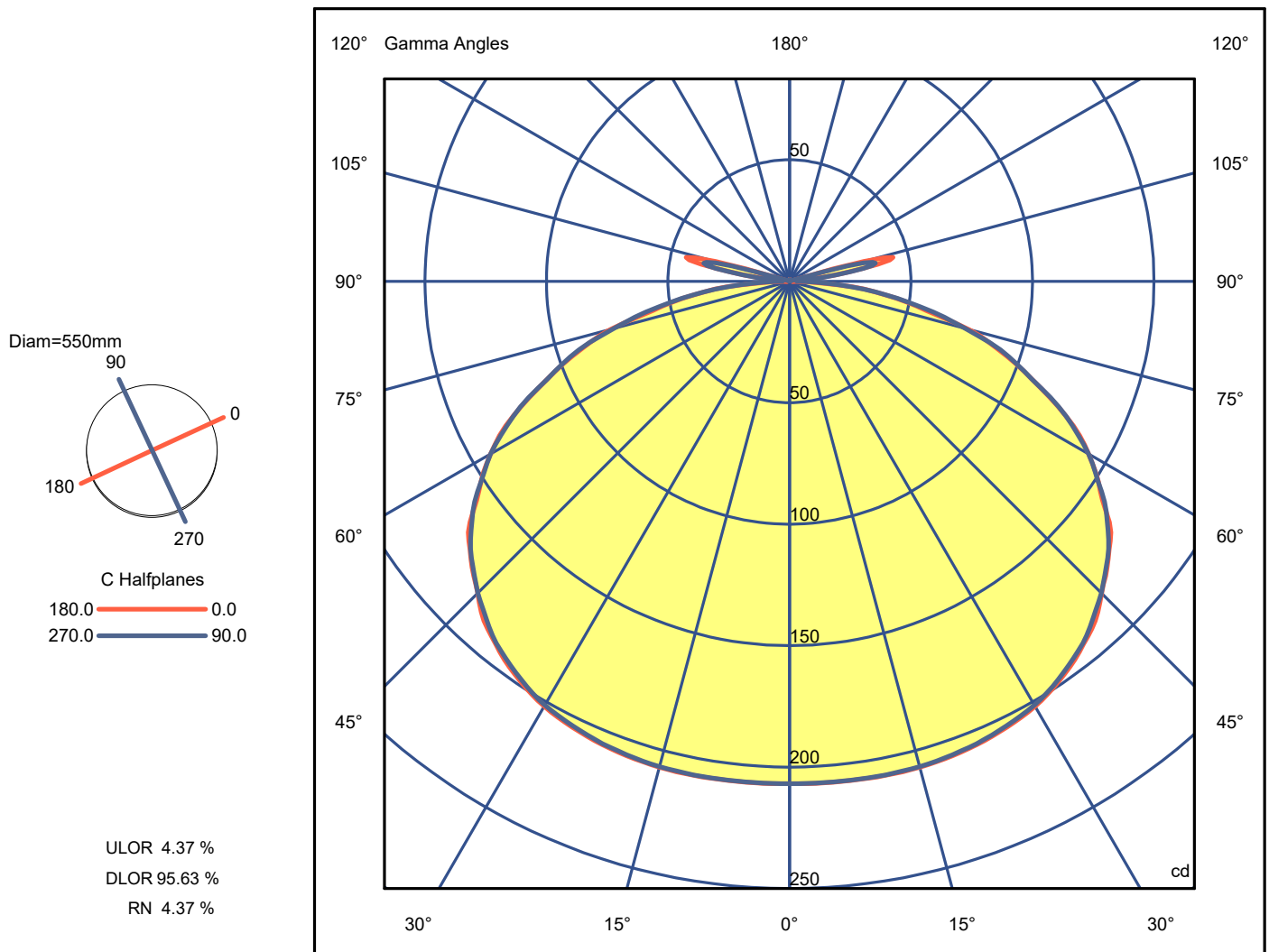
Code 594047
Name Flat ceiling green

Measurem.

Code CL252A20F042G
Name Flat ceiling green

Luminaire Flux	841.92 lm	Luminaire Power	14.73 W	Efficacy	57.15 lm/W	Efficiency	100.00%
Sources Flux	841.92 lm	Maximum value	207.17 cd	Position	C=0.00 G=12.50	CG	Double Symmetrical
Round Luminaire		Diam.	550 mm	Height	15 mm		
Round Luminous Area		Diam.	550 mm	Height	0 mm		
Horizontal Luminous Area		0.237583 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°		0.057477 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		01-12-2020		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		841.93 lm	
Operator		Asselum T2		Rated Voltage		230.20 V	
Temperature		25.10 °C		Rated Current		0.08 A	
Humidity		34.80 %		Photocell		Prc	
Notes		RM20112305					

Luminaire Sources					
Line		Code	Name	Flux [lm]	Pow. [W]
		LED	LED	841.92	14.70
C.I.E.	39 72 93 96 100		D DIN 5040	A21	
F UTE	0.96 G + 0.04 T		B NBN	BZ 6 / 0.8 / BZ 5	



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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	206.80	206.80	206.80	206.80	206.80	206.80	206.80
G 2.5	206.89	206.80	206.86	206.81	206.80	206.81	206.79
G 5.0	206.94	206.85	206.89	206.90	206.85	206.84	206.85
G 7.5	207.02	206.96	206.95	206.94	206.89	206.90	206.88
G 10.0	207.13	207.04	207.06	207.04	206.99	206.97	206.96
G 12.5	207.17	207.10	207.08	207.06	206.95	206.98	206.90
G 15.0	207.03	206.96	206.91	206.92	206.75	206.78	206.76
G 17.5	206.73	206.66	206.63	206.56	206.41	206.41	206.40
G 20.0	206.25	206.17	206.14	206.09	205.85	205.86	205.81
G 22.5	205.51	205.47	205.52	205.30	205.07	205.07	205.12
G 25.0	204.59	204.45	204.42	204.30	204.08	204.05	204.02
G 27.5	203.45	203.34	203.31	203.19	202.96	202.89	202.85
G 30.0	202.03	201.83	201.76	201.86	201.45	201.51	201.44
G 32.5	199.91	199.91	199.95	199.67	199.47	199.37	199.31
G 35.0	197.30	197.43	197.09	197.10	196.81	196.68	196.49
G 37.5	194.33	194.18	194.24	194.11	193.81	193.76	193.62
G 40.0	190.84	190.58	190.79	190.69	190.43	190.34	190.23
G 42.5	187.12	186.44	186.40	186.59	186.15	186.19	185.74
G 45.0	181.53	181.92	181.90	181.73	181.47	181.10	181.42
G 47.5	176.86	176.79	176.94	176.90	176.32	176.46	176.34
G 50.0	171.73	171.87	171.91	171.77	171.40	171.48	171.37
G 52.5	166.41	165.27	165.34	166.28	165.40	165.76	164.99
G 55.0	157.16	158.43	158.86	158.24	157.99	157.91	158.19
G 57.5	150.12	150.56	150.13	150.37	149.92	150.16	149.81
G 60.0	142.08	142.39	142.40	142.51	142.07	142.25	142.16
G 62.5	133.27	132.71	132.34	133.73	132.94	133.45	132.42
G 65.0	121.86	122.08	122.34	122.59	121.88	122.73	122.29
G 67.5	109.98	110.98	110.73	110.58	110.66	110.21	110.06
G 70.0	99.05	99.32	99.31	99.59	99.35	99.79	99.51
G 72.5	87.89	87.80	87.71	88.44	88.30	88.72	88.79
G 75.0	76.47	74.40	74.84	75.46	75.39	76.18	74.89
G 77.5	60.18	61.86	62.81	61.46	61.84	61.93	62.96
G 80.0	48.99	49.32	49.46	49.42	49.27	49.51	49.86
G 82.5	37.26	37.70	37.92	37.91	38.04	37.82	38.18
G 85.0	26.12	25.36	24.56	25.45	25.19	26.53	25.58
G 87.5	10.11	13.16	13.18	11.93	12.12	12.17	13.08
G 90.0	1.68	3.01	4.12	2.65	4.16	2.55	4.39
G 92.5	1.55	1.86	2.62	1.65	3.05	1.65	3.21
G 95.0	6.18	7.12	7.46	6.16	7.67	6.21	7.79
G 97.5	15.88	16.46	16.47	16.41	17.11	15.88	16.96
G100.0	30.15	29.86	30.65	30.08	30.40	30.10	30.94
G102.5	43.58	40.85	38.93	41.51	36.90	40.93	35.93
G105.0	31.57	27.36	25.84	28.70	25.50	27.84	24.37
G107.5	1.51	6.12	3.14	5.20	2.91	2.07	1.69
G110.0	0.55	0.55	0.51	0.52	0.53	0.54	0.55
G112.5	0.55	0.54	0.51	0.52	0.53	0.53	0.55
G115.0	0.55	0.54	0.52	0.54	0.53	0.54	0.55
G117.5	0.55	0.55	0.53	0.53	0.53	0.55	0.55
G120.0	0.55	0.55	0.54	0.53	0.53	0.55	0.55
G122.5	0.55	0.55	0.53	0.53	0.54	0.55	0.55
G125.0	0.55	0.55	0.55	0.53	0.53	0.55	0.55
G127.5	0.55	0.55	0.52	0.54	0.55	0.56	0.55
G130.0	0.55	0.55	0.55	0.53	0.55	0.55	0.57
G132.5	0.55	0.55	0.55	0.55	0.55	0.55	0.55
G135.0	0.55	0.55	0.56	0.55	0.55	0.58	0.58
G137.5	0.55	0.56	0.56	0.56	0.55	0.58	0.55
G140.0	0.55	0.56	0.56	0.58	0.55	0.59	0.58
G142.5	0.55	0.58	0.56	0.57	0.57	0.60	0.58
G145.0	0.57	0.59	0.56	0.58	0.58	0.60	0.61
G147.5	0.58	0.59	0.56	0.58	0.59	0.59	0.61
G150.0	0.61	0.61	0.57	0.58	0.59	0.61	0.61
G152.5	0.61	0.61	0.58	0.58	0.60	0.61	0.61
G155.0	0.61	0.61	0.62	0.61	0.60	0.61	0.61
G157.5	0.61	0.61	0.62	0.62	0.62	0.63	0.63
G160.0	0.64	0.62	0.63	0.63	0.63	0.64	0.65
G162.5	0.64	0.65	0.62	0.63	0.66	0.67	0.67
G165.0	0.64	0.65	0.66	0.66	0.66	0.67	0.67
G167.5	0.65	0.68	0.66	0.66	0.66	0.67	0.67
G170.0	0.67	0.69	0.69	0.67	0.67	0.67	0.67
G172.5	0.69	0.70	0.69	0.68	0.71	0.72	0.69
G175.0	0.67	0.70	0.70	0.69	0.72	0.72	0.73
G177.5	0.73	0.73	0.70	0.69	0.72	0.73	0.73
G180.0	0.72	0.72	0.72	0.72	0.72	0.72	0.72

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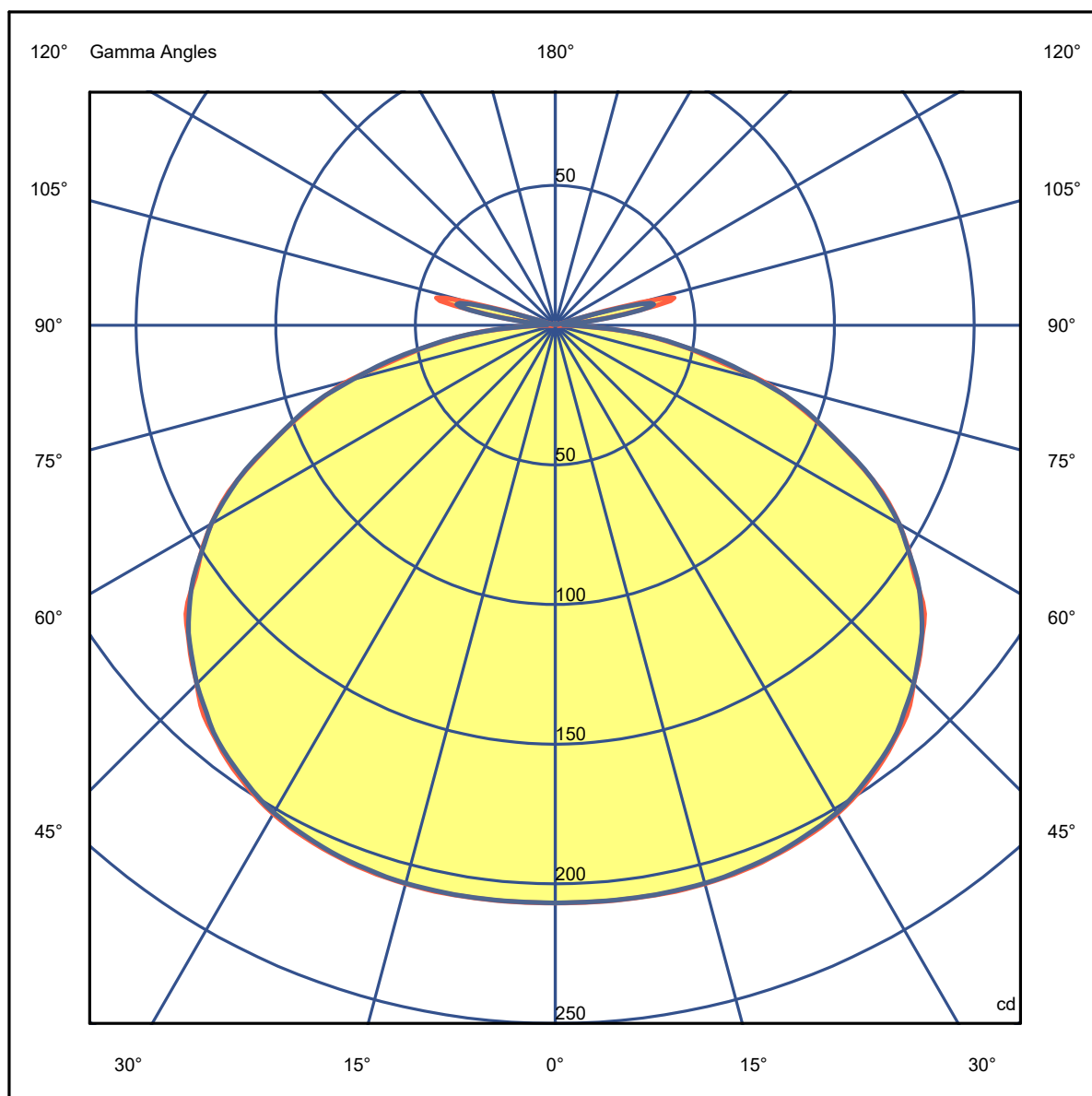
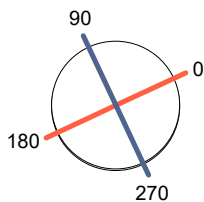
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Diam=550mm

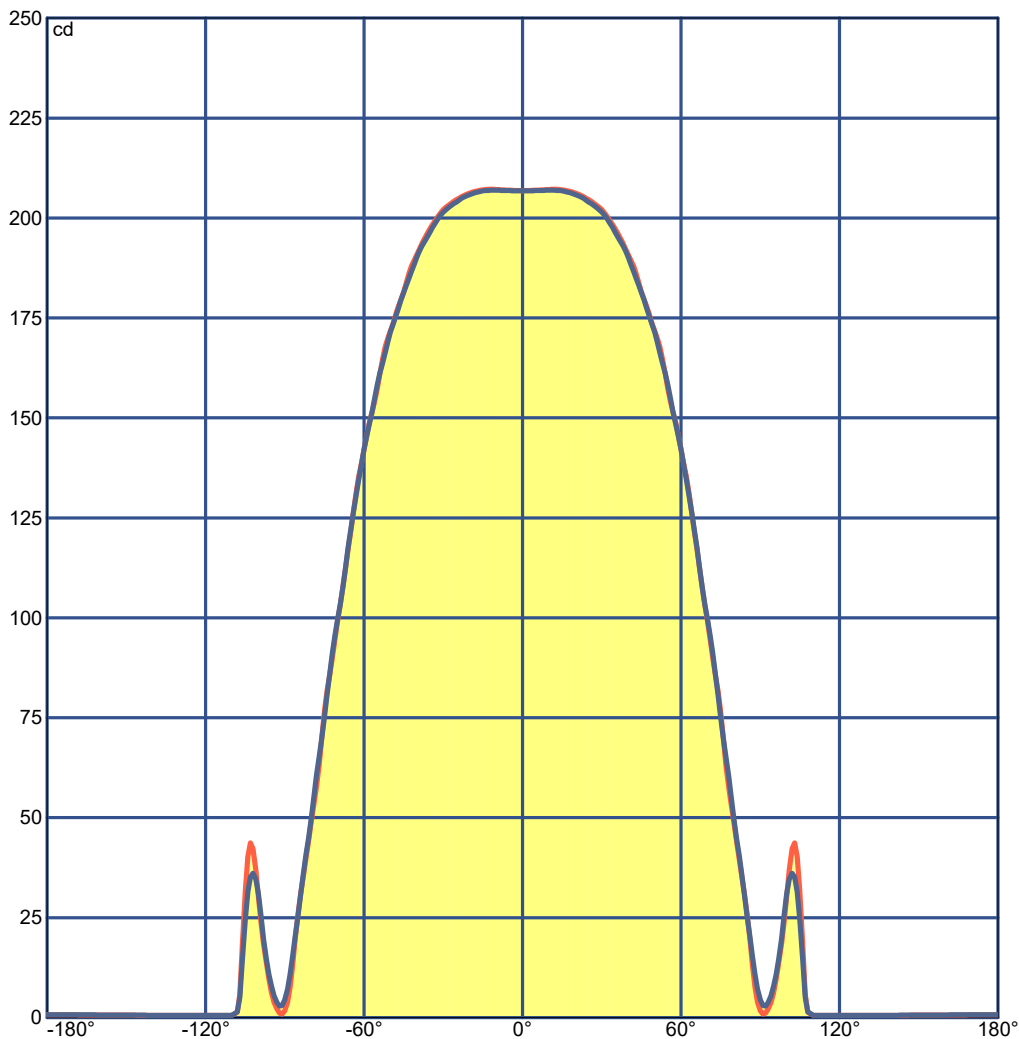
C Halfplanes

180.0 — 0.0
270.0 — 90.0



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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	x=2H y=3H	x=2H y=4H	x=2H y=6H	x=2H y=8H	x=2H y=12H	x=4H y=2H	x=4H y=3H	x=4H y=4H	x=4H y=6H
	13.2	14.6	13.6	14.9	15.2	13.2	14.6	13.6	14.9	15.2
	15.2	16.5	15.6	16.8	17.2	15.2	16.5	15.6	16.8	17.2
	16.1	17.3	16.5	17.6	18.0	16.1	17.3	16.5	17.6	18.0
	16.7	17.8	17.2	18.2	18.6	16.8	17.9	17.2	18.3	18.7
	17.0	18.0	17.4	18.4	18.9	17.0	18.1	17.5	18.5	18.9
	17.2	18.2	17.6	18.6	19.1	17.2	18.3	17.7	18.7	19.1
	14.0	15.2	14.4	15.6	16.0	14.0	15.2	14.4	15.6	16.0
	16.2	17.2	16.6	17.6	18.1	16.2	17.2	16.6	17.6	18.1
	17.2	18.1	17.7	18.5	19.0	17.2	18.1	17.7	18.5	19.0
	18.0	18.8	18.5	19.2	19.8	18.0	18.8	18.5	19.3	19.8
	18.3	19.1	18.8	19.5	20.0	18.4	19.1	18.9	19.6	20.1
	18.6	19.3	19.1	19.8	20.3	18.6	19.3	19.2	19.8	20.3
	17.6	18.3	18.1	18.8	19.3	17.6	18.3	18.1	18.8	19.3
	18.6	19.2	19.1	19.7	20.2	18.6	19.2	19.1	19.7	20.3
	19.0	19.5	19.6	20.1	20.7	19.0	19.6	19.6	20.1	20.7
	19.4	19.9	20.0	20.4	21.0	19.4	19.9	20.0	20.4	21.0
	18.2	18.8	18.7	19.3	19.8	18.2	18.8	18.7	19.3	19.9
	19.1	19.6	19.6	20.1	20.7	19.1	19.6	19.7	20.2	20.7
	19.5	20.0	20.1	20.5	21.1	19.5	20.0	20.1	20.6	21.1

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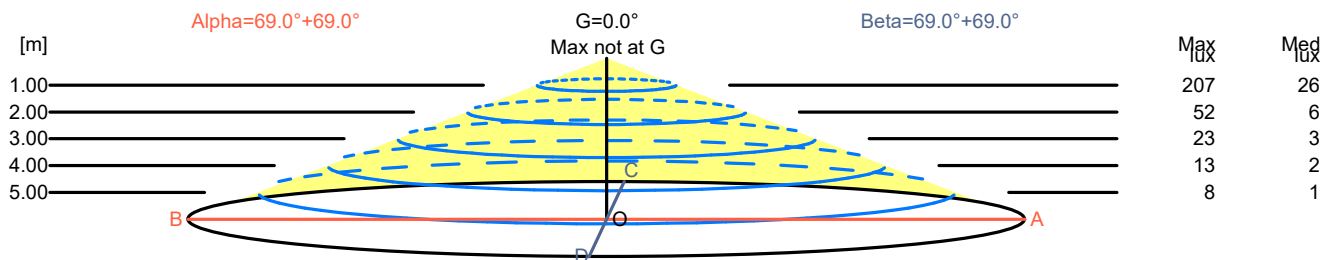
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Width at 50.00 % of Max Intensity

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	5.20	7.80	10.40	13.00	OC	2.60	5.20	7.81	10.41	13.01
OB	2.60	5.20	7.80	10.40	13.00	OD	2.60	5.20	7.81	10.41	13.01

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	206.80	206.94	207.03	204.59	197.30	181.53	157.16	121.86	76.47	26.12
OB	206.80	206.94	207.03	204.59	197.30	181.53	157.16	121.86	76.47	26.12
OC	206.80	206.85	206.76	204.02	196.49	181.42	158.19	122.29	74.89	25.58
OD	206.80	206.85	206.76	204.02	196.49	181.42	158.19	122.29	74.89	25.58



H[m]	D[m]	Max lux	Med lux	Alpha=69.0°+69.0°	G=0.0 Max not at G
1.00	5.20	207	26		
2.00	10.40	52	6		
3.00	15.60	23	3		
4.00	20.80	13	2		
5.00	26.00	8	1		

H[m]	D[m]	Max lux	Med lux	Beta=69.0°+69.0°	G=0.0 Max not at G
1.00	5.20	207	26		
2.00	10.41	52	6		
3.00	15.61	23	3		
4.00	20.82	13	2		
5.00	26.02	8	1		

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Total Flux=841.92 Luminaire Flux=841.92

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	0.25	0.33	0.40	0.48	0.53	0.63	0.69	0.73	0.79	0.83	0.91	0.95
RC	6	6	6	6	6	6	6	6	6	6	6	6

Zonal Flux per 1000 Lumen

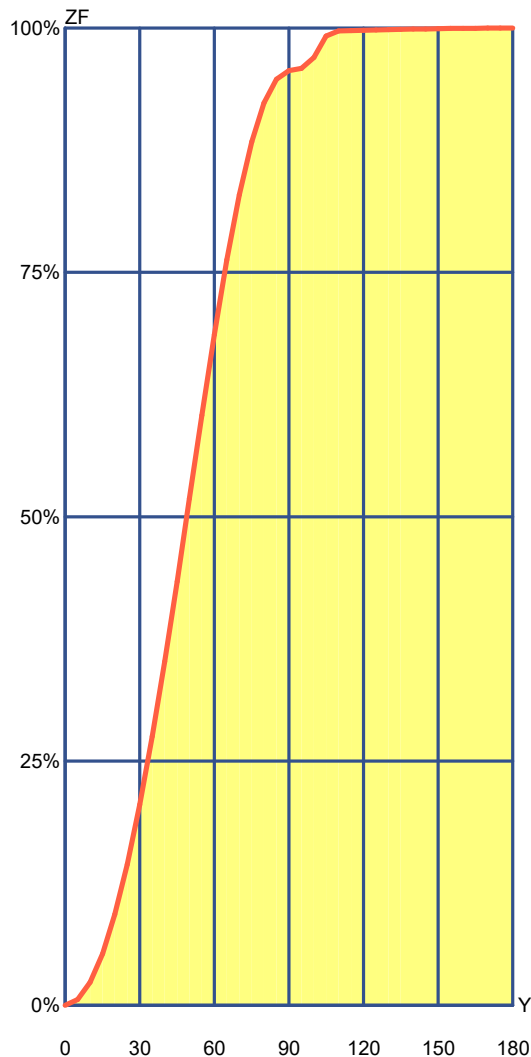
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	23	93	205	352	518	686	829	923	956	970	997	998	998	999	999	1000	1000	1000

CIE Flux Codes

39 72 93 96 100

C.I.E. 6
D DIN 5040 A21
F UTE 0.96 G + 0.04 T
B NBN BZ 6 / 0.8 / BZ 5
RN 4.36765 %
BLF 1.0

LOR 100.00000 %
ULOR 4.36765 %
DLOR 95.63235 %
UFF 4.36765 %
DFF 95.63235 %
FFR 4.56713 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.87	5.87	0.59 %	0.59 %
10°	17.59	23.46	1.76 %	2.35 %
15°	29.17	52.63	2.92 %	5.26 %
20°	40.42	93.05	4.04 %	9.31 %
25°	51.12	144.17	5.11 %	14.42 %
30°	61.04	205.21	6.10 %	20.52 %
35°	69.77	274.98	6.98 %	27.50 %
40°	76.83	351.81	7.68 %	35.18 %
45°	81.89	433.70	8.19 %	43.37 %
50°	84.77	518.47	8.48 %	51.85 %
55°	85.34	603.81	8.53 %	60.38 %
60°	82.45	686.26	8.24 %	68.63 %
65°	76.57	762.82	7.66 %	76.28 %
70°	66.55	829.38	6.66 %	82.94 %
75°	54.49	883.87	5.45 %	88.39 %
80°	39.48	923.34	3.95 %	92.33 %
85°	24.29	947.63	2.43 %	94.76 %
90°	8.69	956.32	0.87 %	95.63 %
95°	2.37	958.70	0.24 %	95.87 %
100°	11.30	970.00	1.13 %	97.00 %
105°	21.79	991.79	2.18 %	99.18 %
110°	5.42	997.21	0.54 %	99.72 %
115°	0.32	997.53	0.03 %	99.75 %
120°	0.31	997.84	0.03 %	99.78 %
125°	0.30	998.14	0.03 %	99.81 %
130°	0.28	998.42	0.03 %	99.84 %
135°	0.26	998.68	0.03 %	99.87 %
140°	0.25	998.93	0.02 %	99.89 %
145°	0.23	999.16	0.02 %	99.92 %
150°	0.21	999.37	0.02 %	99.94 %
155°	0.18	999.55	0.02 %	99.95 %
160°	0.15	999.70	0.02 %	99.97 %
165°	0.13	999.83	0.01 %	99.98 %
170°	0.09	999.92	0.01 %	99.99 %
175°	0.06	999.98	0.01 %	100.00 %
180°	0.02	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

