

71-3882-14-37

V0

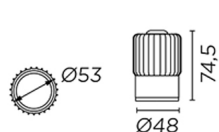
Play 13W Module

Designer: Leds C4 Team

**Description**

Module Play 13W 13W 3000K CRI 80 White IP20 1161lm

	Finish	Material
Structure	White	Aluminium Polycarbonate
Diffuser	Transparent	Methacrylate

**TECHNICAL CHARACTERISTICS****Light source**

Light source: LED CREE
 Light source power (W): 13W
 Luminaire total power (W): 13W
 Color temperature: LED warm-white
 3000K
 CRI: 80
 Photobiological risk: RG1
 Real Lumen: 1161
 Qty Leds: 1
 Lm/Real W: 89
 Life Time: 50.000h L80B20
 Bin / Grup: 30H
 MacAdam steps: 2
 UGR: 23.9

GEAR

This item requires gear. It is not included.
 Voltage / Frequency: max. 350mA

Luminaire

Warranty: 5 Years

Logistics

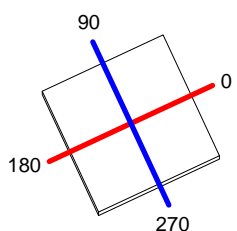
Energy Efficiency: LED A++
 EAN Code: 8435381456740
 Net Weight (Kg): 0.1
 Weight in Kg (packaged): 0.15
 Masterbox: 50

The photograph may not match the reference exactly. Please read the product description to identify the finish.

Luminaire		Measur.		Lamp		
Code	71-3882-14-37	Code	71-3882-14-37	Code	LED	
Name	LED RECESSED LIGHT	Name	LED RECESSED LIGHT	Number	1	
Line	Eulumdat	Date	23-01-2015	Position		
Efficiency	100.00%	Coordinate system	CG	Total Flux	1161.00 lm	
Maximum value	1836.05 cd	Position	C=270.00 G=1.00	Asymmetrical		
Rectangular Luminaire	Length	39 mm	Width	39 mm	Height	1 mm
Rectangular Luminous Area	Length	39 mm	Width	39 mm	Height	0 mm
Horizontal Luminous Area	0.001521 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°		0.000368 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle		90		
Measurement Distance	0.00	Measurement Flux		1161.00 lm		
Operator		Source voltage				
Temperature	25.00 °C	Source current				
Humidity	60.00 %	Photocell				
Notes						

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
Eulumdat		LED		Name				
				LED - 14.60 W		1161.00	14.60	1
C.I.E.	90 97 99 100 100			D DIN 5040	A60			
F UTE	1.00 A			B NBN	BZ 1			

39mm x 39mm



C Halfplanes

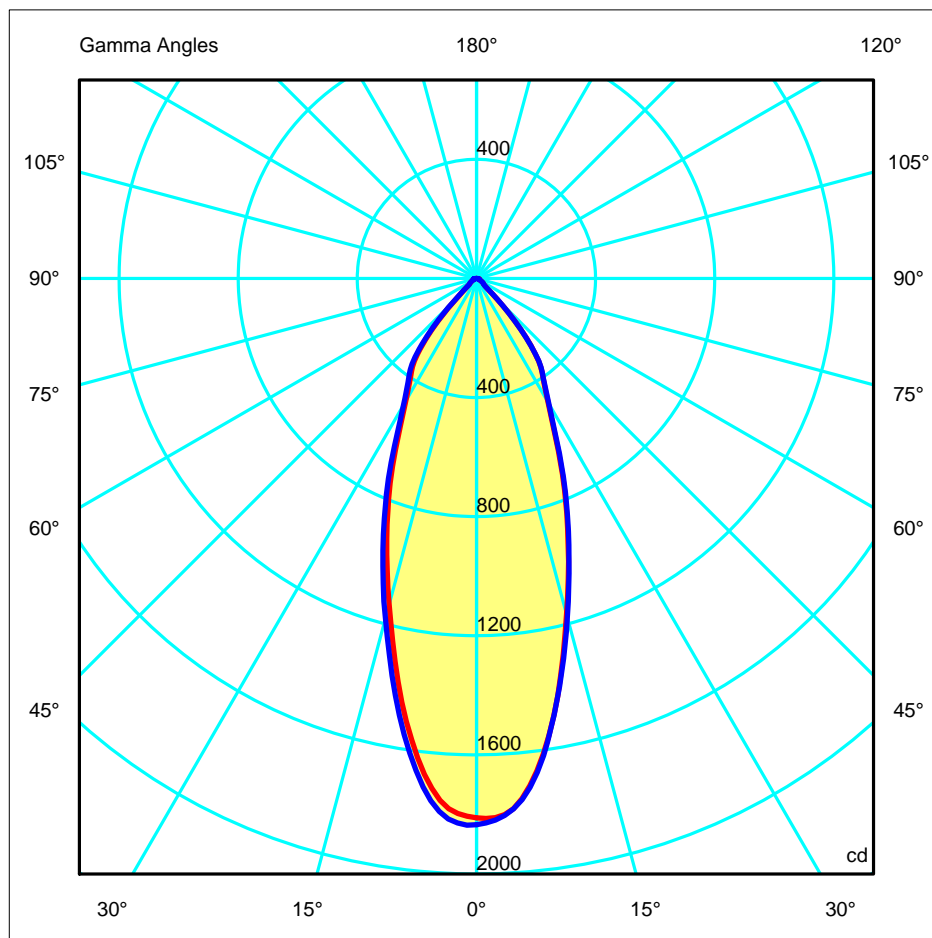
180.0 — 0.0 (Red line)

270.0 — 90.0 (Blue line)

ULOR 0.00 %

DLOR 100.00 %

RN 0.00 %

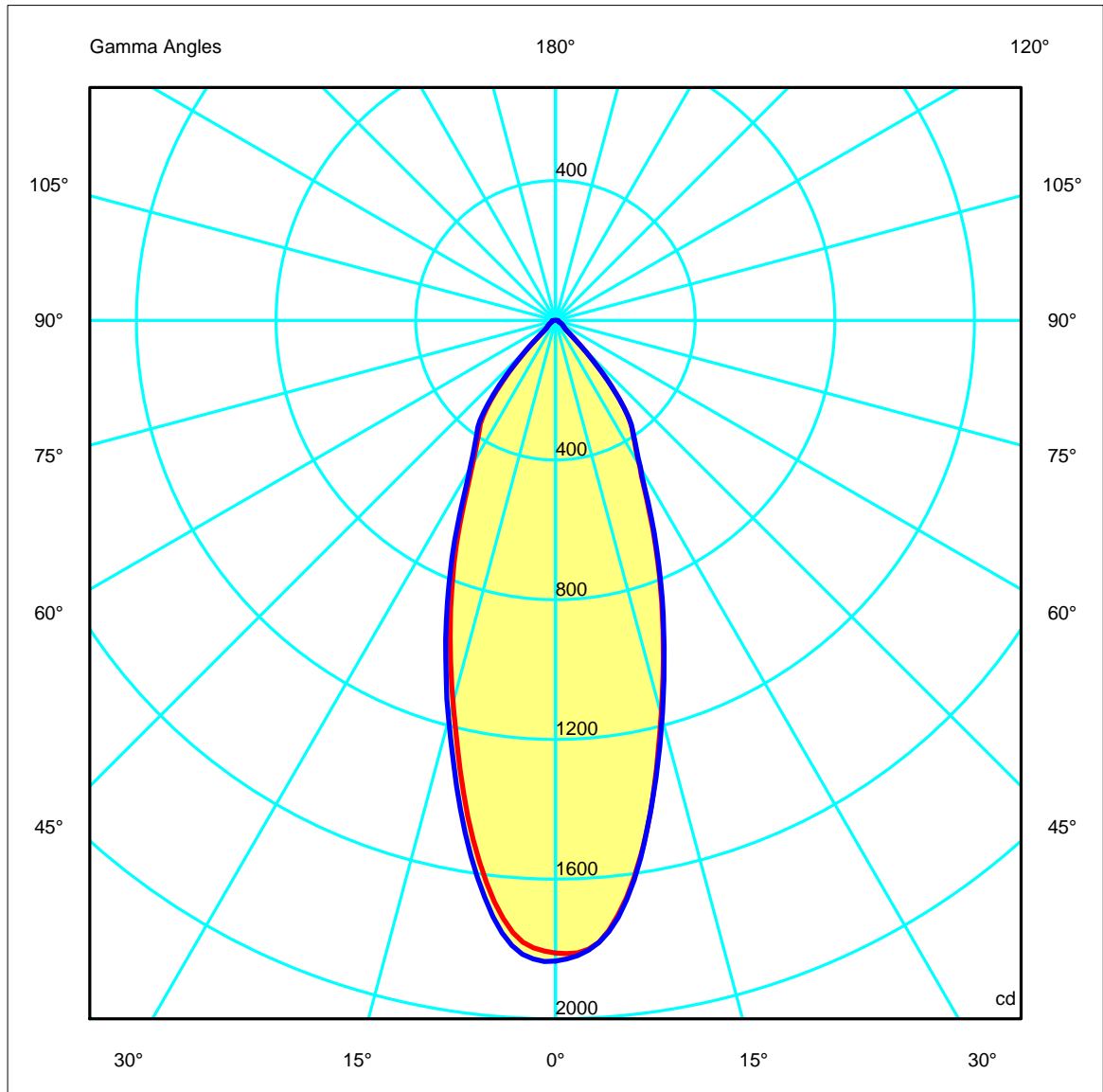
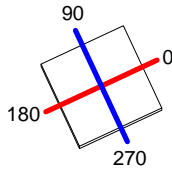


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39mm x 39mm

C Halfplanes

180.0 ——— 0.0
 270.0 ——— 90.0



Luminaire	Measur.	Lamp
Code 71-3882-14-37	Code 71-3882-14-37	Code LED
Name LED RECESSED LIGHT	Name LED RECESSED LIGHT	Number 1
Line Eulumdat	Date 23-01-2015	Position

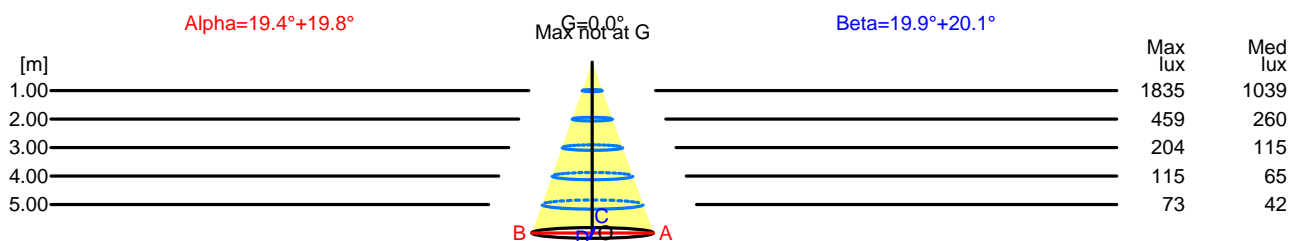
Efficiency	100.00%	Coordinate system	CG	Total Flux	1161.00 lm
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Width at 50.00 % of Max Intensity

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	0.36	0.72	1.08	1.44	1.80	OC	0.36	0.72	1.09	1.45	1.81
OB	0.35	0.70	1.06	1.41	1.76	OD	0.37	0.73	1.10	1.47	1.83

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	1811.28	1753.13	1168.48	660.48	383.79	100.64	26.88	13.70	8.52	6.72
OB	1811.28	1718.86	1133.31	652.33	379.77	99.78	25.23	13.63	9.61	6.91
OC	1834.25	1756.55	1178.95	668.02	385.44	96.66	27.25	13.29	8.18	6.42
OD	1834.25	1760.19	1182.14	675.83	393.02	107.73	26.16	14.38	10.21	8.67



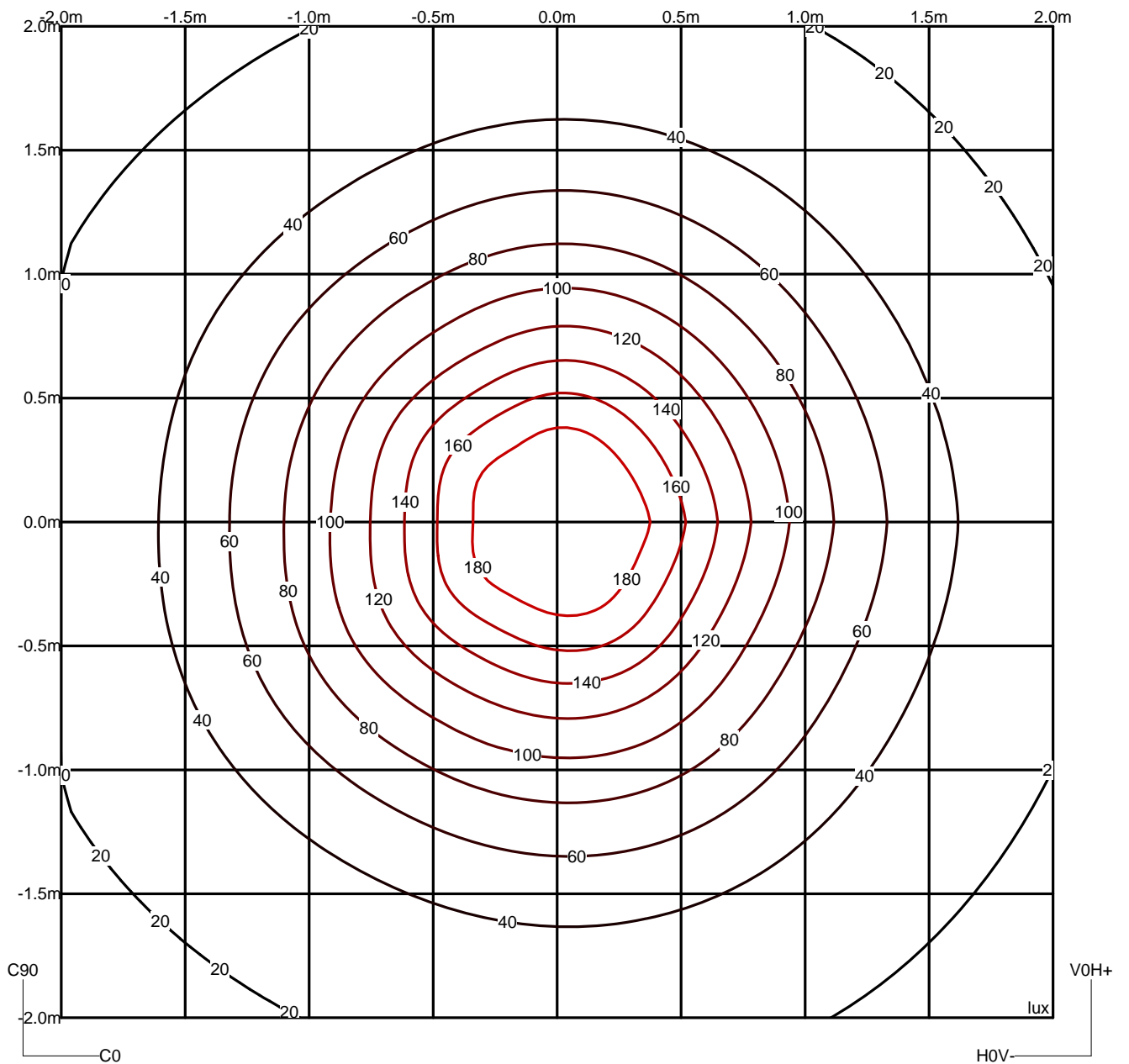
H[m]	D[m]	Max lux	Med lux	Alpha=19.4°+19.8°	G=0.0 Max not at G	
1.00	0.71	1835	1039			
2.00	1.42	459	260			
3.00	2.13	204	115			
4.00	2.84	115	65			
5.00	3.56	73	42			

H[m]	D[m]	Max lux	Med lux	Beta=20.1°+19.9°	G=0.0 Max not at G	
1.00	0.73	1835	1039			
2.00	1.46	459	260			
3.00	2.19	204	115			
4.00	2.92	115	65			
5.00	3.65	73	42			

Luminaire		Measur.		Lamp	
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Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=3.00m



Luminaire

Code 71-3882-14-37
 Name LED RECESSED LIGHT
 Line Eulumdat

Measur.

Code 71-3882-14-37
 Name LED RECESSED LIGHT
 Date 23-01-2015

Lamp

Code LED
 Number 1
 Position

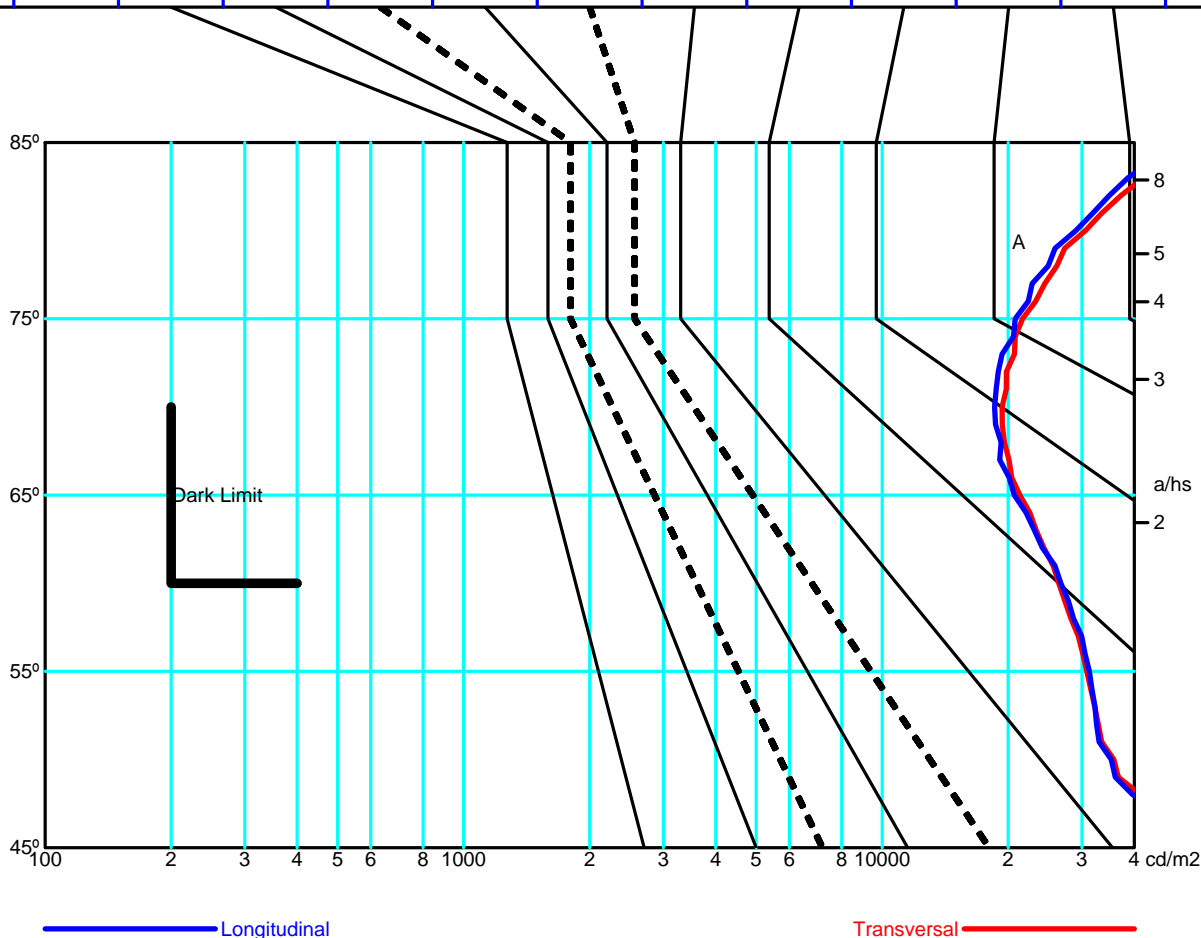
Efficiency 100.00%

Coordinate system CG

Total Flux 1161.00 lm

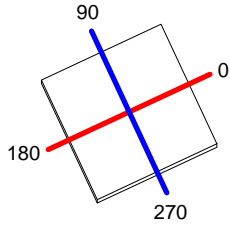
		Average Luminance [cd/m ²]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	93574	35748	30811	26404	21313	19338	21643	30554	50693	---	
90.0°	89874	35247	31235	26706	20675	18550	20779	29002	48430	---	

Flush mounted or longitudinal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



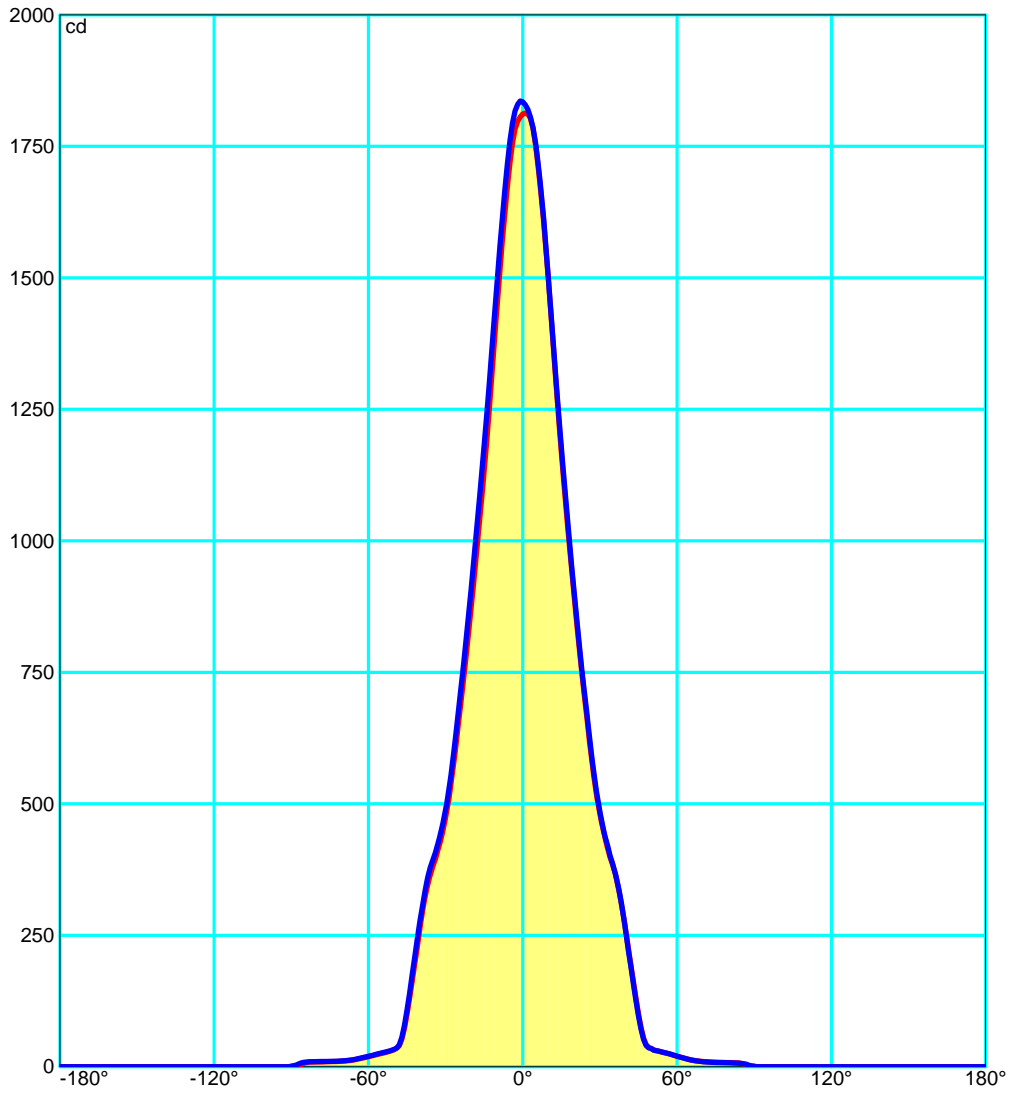
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39mm x 39mm



C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



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Efficiency	100.00%	Coordinate system	CG	Total Flux	1161.00 lm

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	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	24.0	24.7	24.2	24.9	25.3	24.1	24.9	24.3	25.1	25.3
x=2H y=3H	24.0	24.7	24.3	25.0	25.3	24.2	24.8	24.5	25.1	25.3
x=2H y=4H	24.1	24.8	24.4	25.0	25.4	24.3	24.9	24.6	25.2	25.4
x=2H y=6H	24.4	25.0	24.7	25.2	25.7	24.5	25.1	24.8	25.4	25.7
x=2H y=8H	24.5	25.1	24.9	25.4	25.9	24.7	25.3	25.1	25.6	25.9
x=2H y=12H	24.8	25.3	25.1	25.6	26.2	25.0	25.6	25.4	25.9	26.2
x=4H y=2H	23.9	24.5	24.2	24.8	25.2	24.0	24.6	24.3	24.9	25.2
x=4H y=3H	24.0	24.6	24.4	24.9	25.3	24.2	24.7	24.5	25.0	25.3
x=4H y=4H	24.2	24.7	24.6	25.0	25.5	24.4	24.8	24.7	25.2	25.5
x=4H y=6H	24.6	25.0	25.0	25.4	25.9	24.8	25.2	25.2	25.6	25.9
x=4H y=8H	24.9	25.3	25.4	25.7	26.3	25.2	25.5	25.6	25.9	26.3
x=4H y=12H	25.4	25.7	25.8	26.1	26.8	25.6	26.0	26.1	26.4	26.8
x=8H y=4H	24.3	24.7	24.7	25.0	25.6	24.4	24.8	24.9	25.2	25.6
x=8H y=6H	24.9	25.2	25.3	25.6	26.2	25.1	25.3	25.5	25.8	26.2
x=8H y=8H	25.4	25.6	25.8	26.0	26.7	25.6	25.8	26.0	26.3	26.7
x=8H y=12H	26.0	26.2	26.4	26.6	27.4	26.3	26.5	26.8	26.9	27.4
x=12H y=4H	24.3	24.6	24.8	25.0	25.6	24.5	24.8	24.9	25.2	25.6
x=12H y=6H	25.0	25.2	25.4	25.6	26.3	25.1	25.4	25.6	25.8	26.3
x=12H y=8H	25.5	25.7	26.0	26.2	26.9	25.8	26.0	26.2	26.4	26.9

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Total Flux=1161.00 Luminaire Flux=1160.98

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	0.76	0.80	0.83	0.89	0.92	0.94	0.96	0.97	1.00	1.01
RC	-	-	-	-	-	-	-	-	-	-	-	-

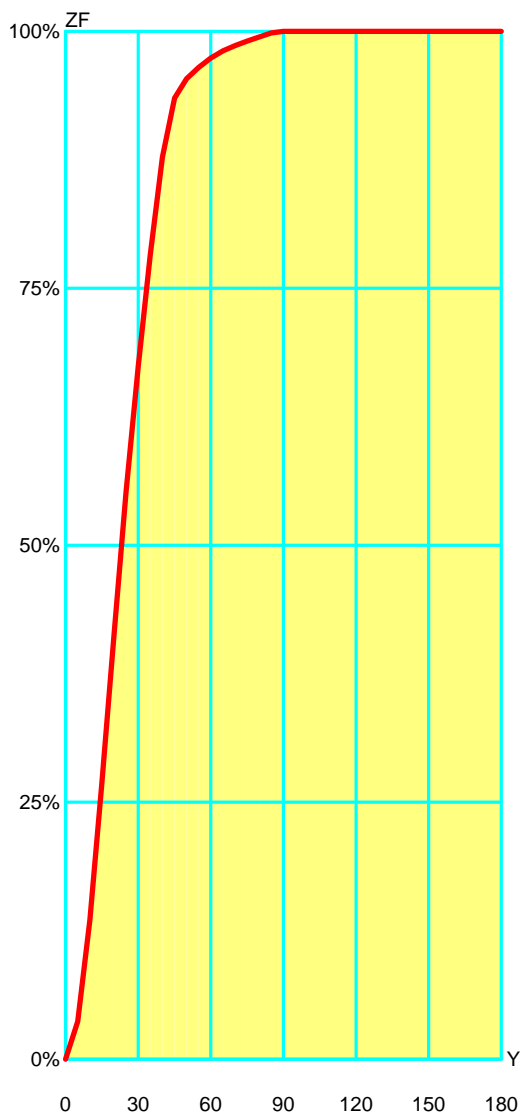
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	136	413	674	878	954	974	986	995	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

90 97 99 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	99.99805 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	1.00 A	DLOR	99.99805 %
B NBN	BZ 1	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	36.74	36.74	3.67 %	3.67 %
10°	98.89	135.64	9.89 %	13.56 %
15°	133.42	269.05	13.34 %	26.91 %
20°	144.32	413.37	14.43 %	41.34 %
25°	138.75	552.13	13.88 %	55.21 %
30°	121.96	674.09	12.20 %	67.41 %
35°	108.29	782.38	10.83 %	78.24 %
40°	95.23	877.61	9.52 %	87.76 %
45°	57.39	935.00	5.74 %	93.50 %
50°	18.84	953.84	1.88 %	95.39 %
55°	11.03	964.87	1.10 %	96.49 %
60°	9.15	974.02	0.92 %	97.40 %
65°	6.96	980.98	0.70 %	98.10 %
70°	5.13	986.11	0.51 %	98.61 %
75°	4.38	990.49	0.44 %	99.05 %
80°	4.09	994.57	0.41 %	99.46 %
85°	3.84	998.41	0.38 %	99.84 %
90°	1.57	999.98	0.16 %	100.00 %
95°	0.00	999.98	0.00 %	100.00 %
100°	0.00	999.98	0.00 %	100.00 %
105°	0.00	999.98	0.00 %	100.00 %
110°	0.00	999.98	0.00 %	100.00 %
115°	0.00	999.98	0.00 %	100.00 %
120°	0.00	999.98	0.00 %	100.00 %
125°	0.00	999.98	0.00 %	100.00 %
130°	0.00	999.98	0.00 %	100.00 %
135°	0.00	999.98	0.00 %	100.00 %
140°	0.00	999.98	0.00 %	100.00 %
145°	0.00	999.98	0.00 %	100.00 %
150°	0.00	999.98	0.00 %	100.00 %
155°	0.00	999.98	0.00 %	100.00 %
160°	0.00	999.98	0.00 %	100.00 %
165°	0.00	999.98	0.00 %	100.00 %
170°	0.00	999.98	0.00 %	100.00 %
175°	0.00	999.98	0.00 %	100.00 %
180°	0.00	999.98	0.00 %	100.00 %

