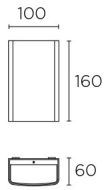




Clous 160mm

05-9679-14-CL

Wall fixture IP66 Clous 160mm LED 11W 3000K White 758lm



TECHNICAL FEATURES

IP66 IK03



Power (W) : 11W

Total power consumption of light (W) : 13W

Real lumens : 758

Real lm/W : 58

Colour temperature : LED warm-white 3000K

Lens / reflector angle : FLOOD 86°

Structure material : Aluminium

Structure finish : White

Diffuser material : Glass

Diffuser finish : Matt

Useful life : 50.000h L80B20

Equipment included : Yes, electronic

Voltage / frequency : 100-240V/50-60Hz

Warranty : 5 Years

Max. temperature : 25°C

Seaside : No

Energy efficiency : LED A++

LUMINOTECHNIC FEATURES

Light source: LED

Luminance C0°65°: 5180.8

Luminance 90°65°: 1732.1

CRI: 80

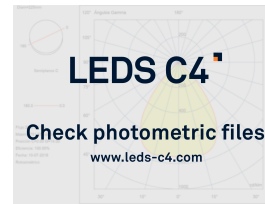
MacAdam steps: 3

Photobiological risk: RG0

UGR

UGR crosswise: 17.1

UGR lengthwise: 12.1



LOGISTICS

Net weight (kg): 0.79

Packaged weight (kg): 0.94

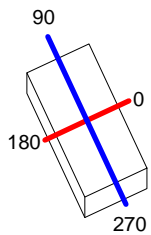
Packaging: 175mm x 110mm x 70mm



Luminaire		Measur.		Lamp		
Code	05-9679	Code	05-9679	Code	11	
Name	WALL FIXTURES	Name	WALL FIXTURES	Number	6	
Line	Eulumdat	Date	15-03-2013	Position		
Efficiency	34.42%	Coordinate system	CG	Total Flux	600.00 lm	
Maximum value	70.84 cd	Position	C=0.00 G=180.00	Asymmetrical		
Rectangular Luminaire	Length	100 mm	Width	50 mm	Height	25 mm
Rectangular Luminous Area	Length	100 mm	Width	50 mm	Height	24 mm
Horizontal Luminous Area	0.005000 m2	Emitting area on Plane 180°		0.002500 m2		
Emitting area on Plane 0°	0.002500 m2	Emitting area on Plane 270°		0.001250 m2		
Emitting area on Plane 90°	0.001250 m2	Glare area at 76°		0.003635 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle		180		
Measurement Distance	0.00	Measurement Flux		600.00 lm		
Operator		Source voltage				
Temperature	25.00 °C	Source current				
Humidity	60.00 %	Photocell				
Notes						

Line		Luminaire Lamps			Flux [lm]	Pow. [W]	Q.ty
Eulumdat	Code	Name					
	11	11 - 1.47 W			100.00	1.47	6
C.I.E.	80 99 100 48 34		D DIN 5040	C62			
F UTE	0.17 B + 0.18 T		B NBN	BZ 1			

100mm x 50mm



C Halfplanes

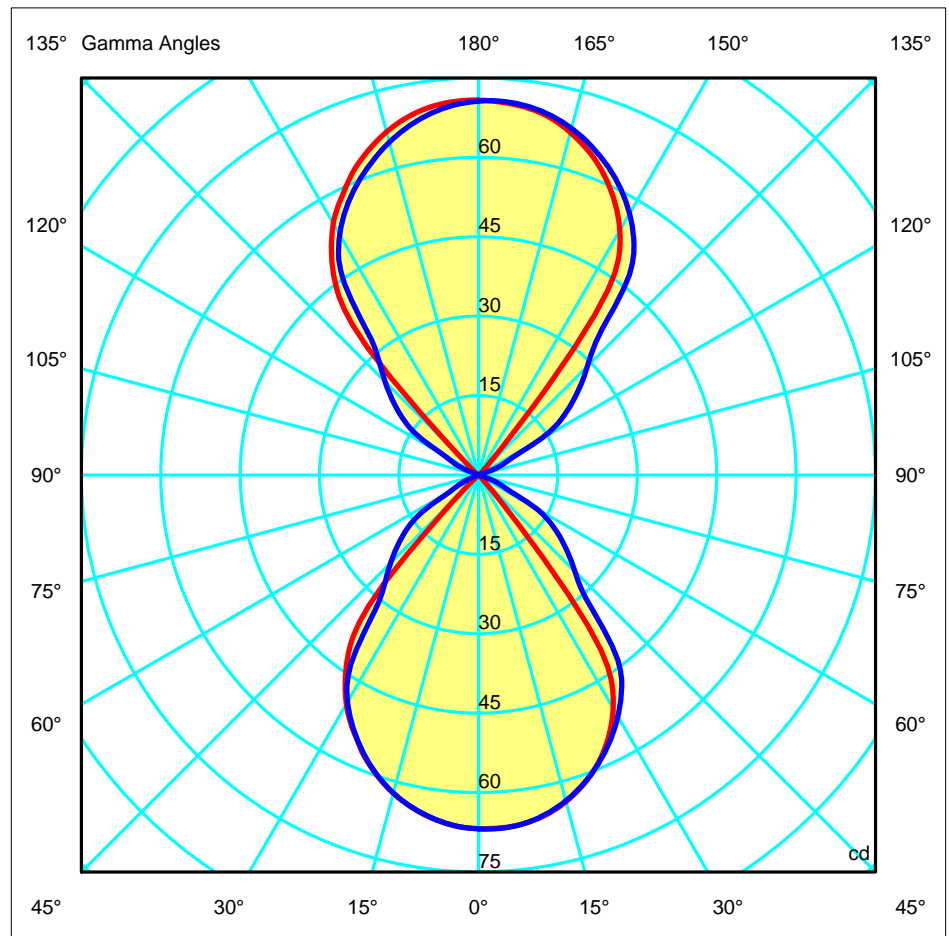
180.0 — 0.0

270.0 — 90.0

ULOR 17.90 %

DLOR 16.52 %

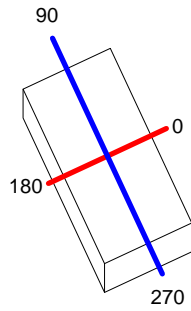
RN 52.01 %



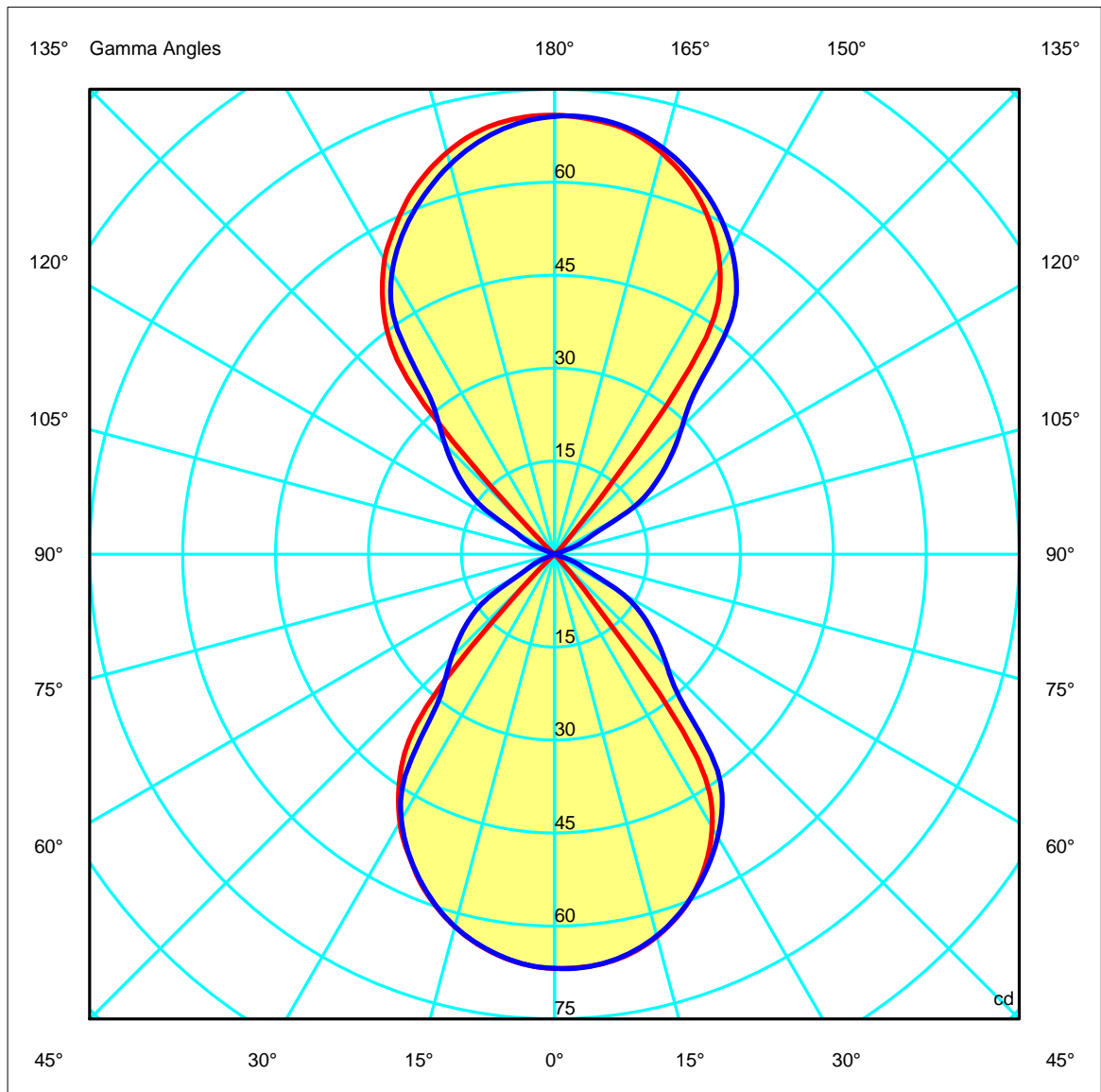
Luminaire		Measur.		Lamp	
Code	05-9679	Code	05-9679	Code	11
Name	WALL FIXTURES	Name	WALL FIXTURES	Number	6
Line	Eulumdat	Date	15-03-2013	Position	
Efficiency	34.42%	Coordinate system	CG	Total Flux	600.00 lm

100mm x 50mm

C Halfplanes



180.0 ——— 0.0
270.0 ——— 90.0



Luminaire
 Code 05-9679
 Name WALL FIXTURES
 Line Eulumdat

Measur.
 Code 05-9679
 Name WALL FIXTURES
 Date 15-03-2013

Lamp
 Code 11
 Number 6
 Position

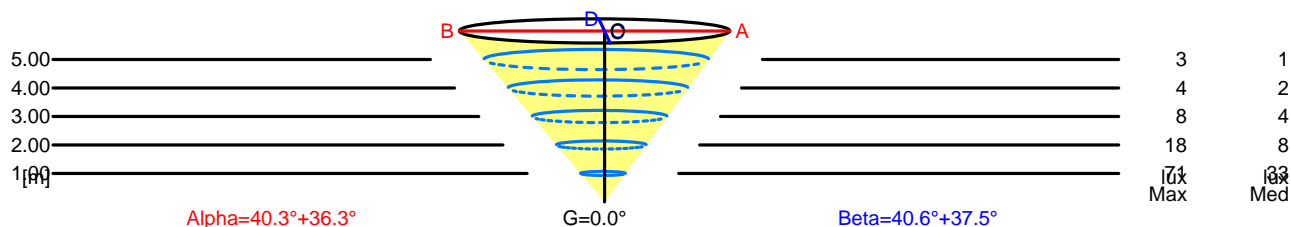
Efficiency 34.42% Coordinate system CG Total Flux 600.00 lm

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	0.73	1.47	2.20	2.93	3.67	OC	0.86	1.71	2.57	3.43	4.28
OB	0.85	1.70	2.55	3.39	4.24	OD	0.77	1.53	2.30	3.07	3.83

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	70.84	70.36	67.02	59.27	42.63	1.69	0.00	0.00	0.00	0.00
OB	70.84	70.56	67.09	59.62	48.14	4.83	0.00	0.00	0.00	0.00
OC	70.63	70.62	67.81	61.52	51.15	29.14	19.80	5.71	0.00	0.00
OD	70.63	69.72	65.10	57.54	44.16	24.94	16.18	4.64	0.00	0.00



5.00	7.91	3	1	
4.00	6.33	4	2	
3.00	4.75	8	4	
2.00	3.16	18	8	
1.00	1.58	71	33	
H[m]	D[m]	Max lux	Med lux	

5.00	8.12	3	1	
4.00	6.49	4	2	
3.00	4.87	8	4	
2.00	3.25	18	8	
1.00	1.62	71	33	
H[m]	D[m]	Max lux	Med lux	

Luminaire
 Code 05-9679
 Name WALL FIXTURES
 Line Eulumdat

Measuram.
 Code 05-9679
 Name WALL FIXTURES
 Date 15-03-2013

Lamp
 Code 11
 Number 6
 Position

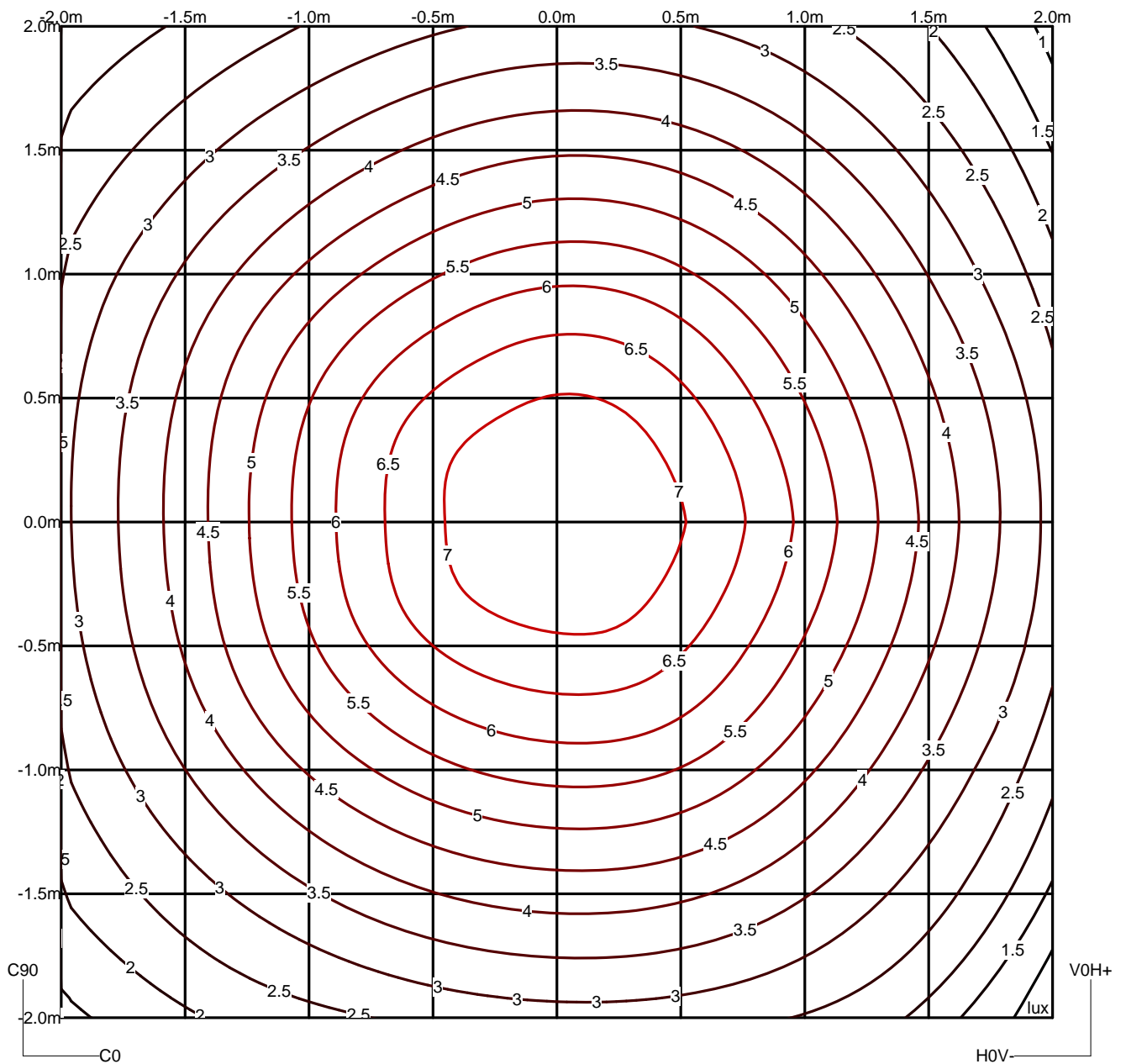
Efficiency 34.42%

Coordinate system CG

Total Flux 600.00 lm

Isolux (Floor)

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



Luminaire

Code 05-9679
 Name WALL FIXTURES
 Line Eulumdat

Measur.

Code 05-9679
 Name WALL FIXTURES
 Date 15-03-2013

Lamp

Code 11
 Number 6
 Position

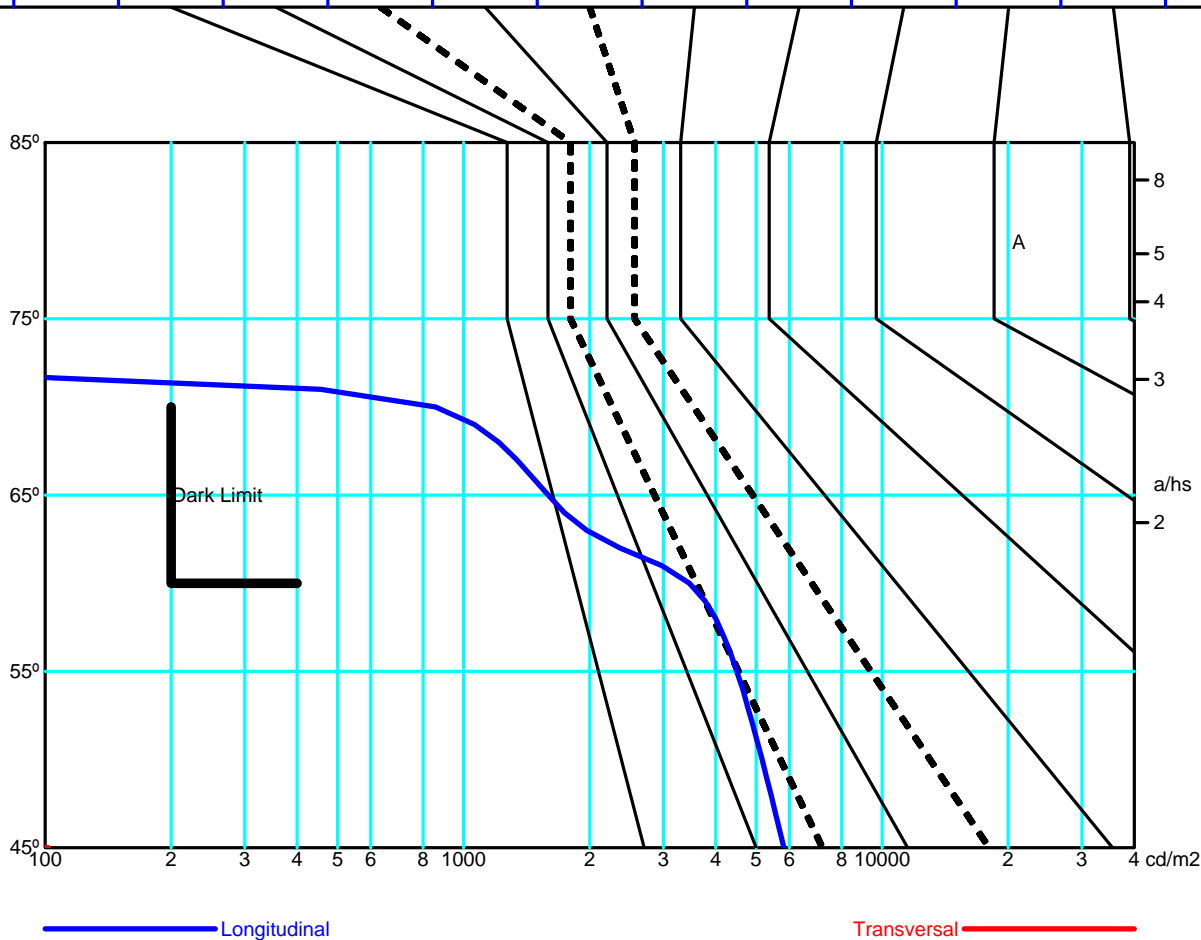
Efficiency 34.42%

Coordinate system CG

Total Flux 600.00 lm

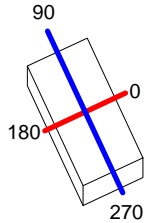
Average Luminance [cd/m ²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
102	0	0	0	0	0	0	0	0	0	---
5824	5164	4491	3464	1593	856	0	0	0	0	---

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



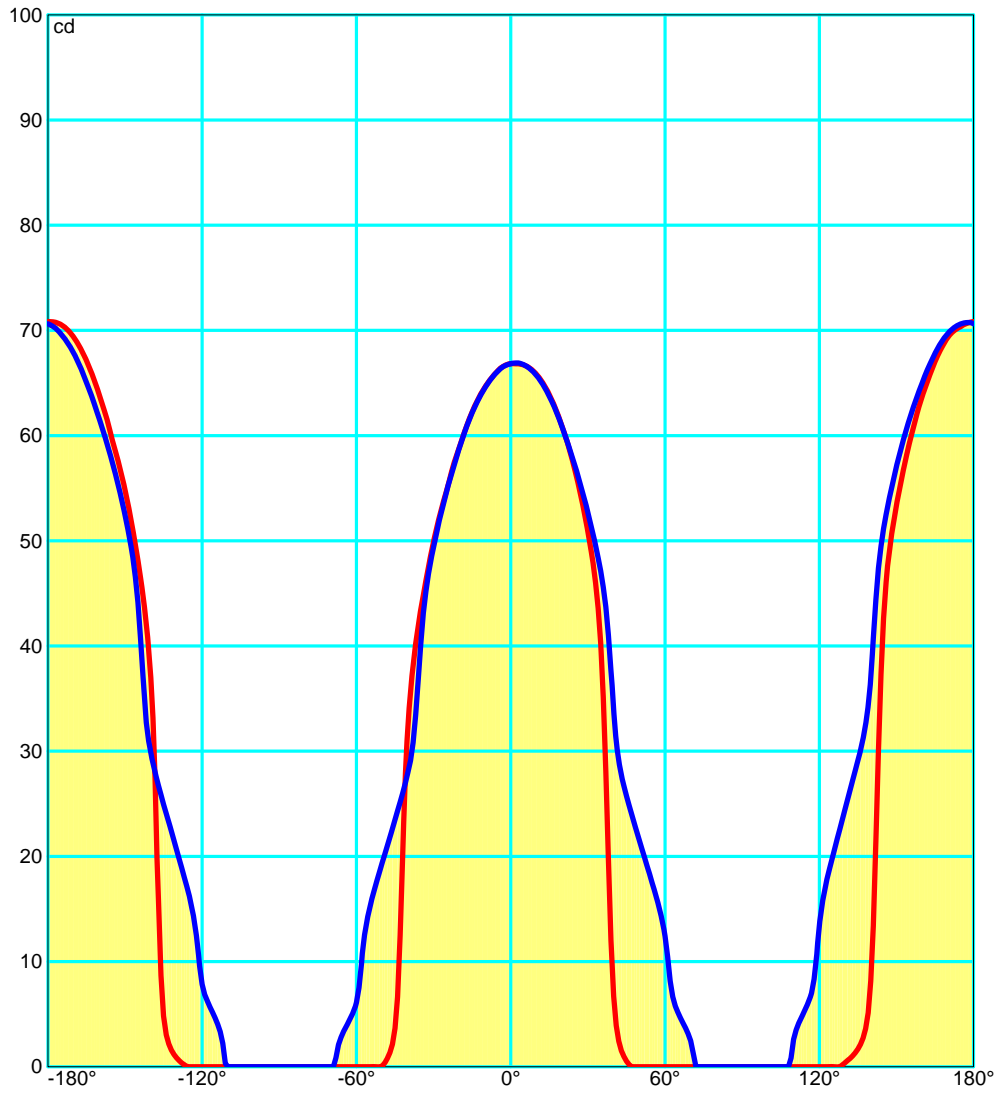
Luminaire		Measur.		Lamp	
Code	05-9679	Code	05-9679	Code	11
Name	WALL FIXTURES	Name	WALL FIXTURES	Number	6
Line	Eulumat	Date	15-03-2013	Position	
Efficiency	34.42%	Coordinate system	CG	Total Flux	600.00 lm

100mm x 50mm



C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



Luminaire		Measur.		Lamp	
Code	05-9679	Code	05-9679	Code	11
Name	WALL FIXTURES	Name	WALL FIXTURES	Number	6
Line	Eulumdat	Date	15-03-2013	Position	
Efficiency	34.42%	Coordinate system	CG	Total Flux	600.00 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	9.5	10.1	10.4	11.0	14.6	12.1	12.7	12.9	13.6	14.6
x=2H y=3H	9.2	9.8	10.2	10.7	14.5	11.8	12.4	12.8	13.3	14.5
x=2H y=4H	9.1	9.6	10.0	10.5	14.3	11.7	12.2	12.7	13.1	14.3
x=2H y=6H	8.9	9.4	9.9	10.3	14.1	11.5	12.0	12.5	13.0	14.1
x=2H y=8H	8.8	9.3	9.8	10.2	14.1	11.5	11.9	12.4	12.9	14.1
x=2H y=12H	8.7	9.2	9.7	10.1	14.0	11.4	11.8	12.3	12.8	14.0
x=4H y=2H	9.4	9.9	10.4	10.9	14.3	11.7	12.2	12.6	13.1	14.3
x=4H y=3H	9.1	9.5	10.1	10.5	14.0	11.4	11.8	12.4	12.8	14.0
x=4H y=4H	8.9	9.3	9.9	10.3	13.9	11.3	11.6	12.2	12.6	13.9
x=4H y=6H	8.8	9.1	9.8	10.1	13.7	11.1	11.4	12.1	12.4	13.7
x=4H y=8H	8.7	9.0	9.7	10.0	13.6	11.0	11.3	12.0	12.3	13.6
x=4H y=12H	8.6	8.9	9.7	9.9	13.5	10.9	11.2	12.0	12.2	13.5
x=8H y=4H	8.7	9.0	9.7	10.0	13.6	11.0	11.3	12.0	12.3	13.6
x=8H y=6H	8.6	8.8	9.6	9.8	13.4	10.9	11.1	11.9	12.1	13.4
x=8H y=8H	8.5	8.7	9.5	9.7	13.4	10.8	11.0	11.8	12.0	13.4
x=8H y=12H	8.4	8.5	9.4	9.6	13.3	10.7	10.8	11.7	11.9	13.3
x=12H y=4H	8.6	8.9	9.7	9.9	13.5	10.9	11.2	12.0	12.2	13.5
x=12H y=6H	8.5	8.7	9.5	9.7	13.4	10.8	11.0	11.8	12.0	13.4
x=12H y=8H	8.4	8.5	9.4	9.6	13.3	10.7	10.8	11.7	11.9	13.3

Luminaire		Measur.		Lamp	
Code	05-9679	Code	05-9679	Code	11
Name	WALL FIXTURES	Name	WALL FIXTURES	Number	6
Line	Eulumdat	Date	15-03-2013	Position	
Efficiency	34.42%	Coordinate system	CG	Total Flux	600.00 lm

Total Flux=600.00 Luminaire Flux=206.51

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	0.56	0.64	0.70	0.76	0.80	0.86	0.90	0.92	0.94	0.96	0.98	0.99
RC	1	-	-	-	-	-	-	-	-	-	-	-

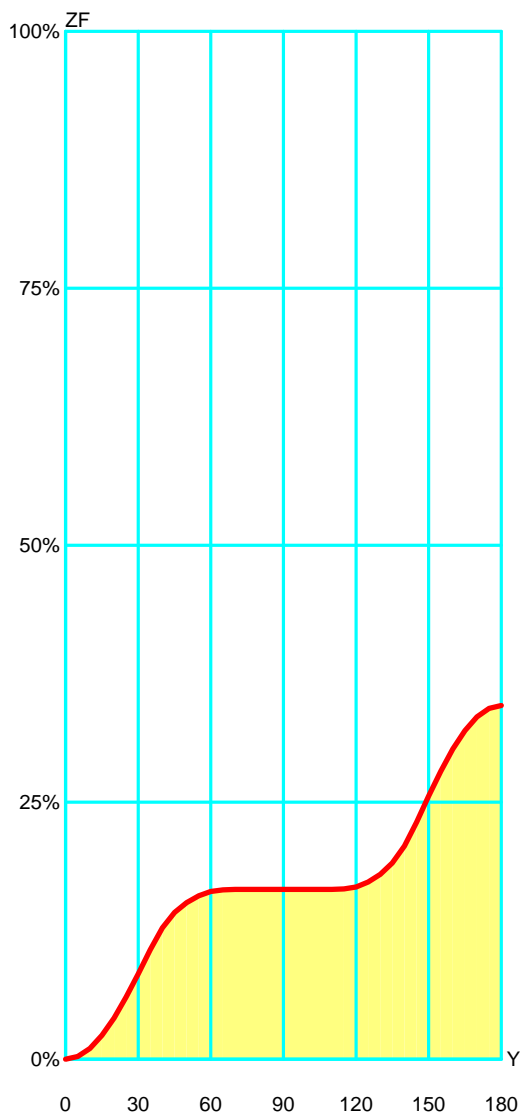
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	11	40	83	128	152	163	165	165	165	165	165	168	180	207	256	302	333	344

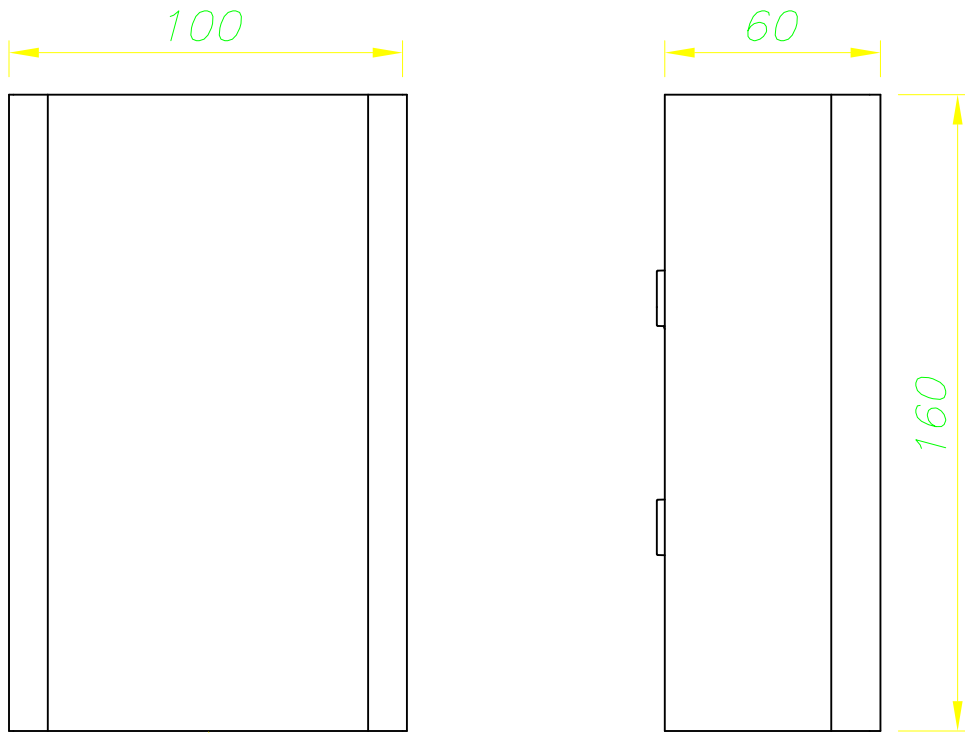
CIE Flux Codes

80 99 100 48 34

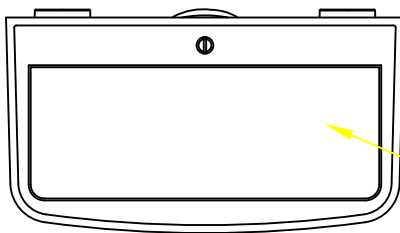
C.I.E.	1/-/-/-/-/-/-/-/-/-	LOR	34.41860 %
D DIN 5040	C62	ULOR	17.90000 %
F UTE	0.17 B + 0.18 T	DLOR	16.51860 %
B NBN	BZ 1	UFF	52.00675 %
RN	52.00675 %	DFF	47.99325 %
BLF	1.0	FFR	108.36264 %



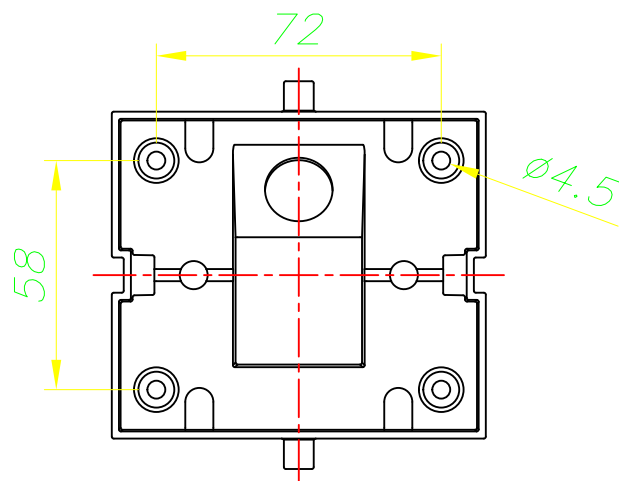
Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00%
5°	2.66	2.66	0.77%	0.77%
10°	7.85	10.51	2.28%	3.05%
15°	12.68	23.19	3.69%	6.74%
20°	16.90	40.09	4.91%	11.65%
25°	20.28	60.37	5.89%	17.54%
30°	22.59	82.96	6.56%	24.10%
35°	23.55	106.50	6.84%	30.94%
40°	21.40	127.90	6.22%	37.16%
45°	14.82	142.72	4.31%	41.47%
50°	9.64	152.36	2.80%	44.27%
55°	6.62	158.98	1.92%	46.19%
60°	4.28	163.27	1.24%	47.44%
65°	1.50	164.77	0.44%	47.87%
70°	0.38	165.15	0.11%	47.98%
75°	0.04	165.19	0.01%	47.99%
80°	0.00	165.19	0.00%	47.99%
85°	0.00	165.19	0.00%	47.99%
90°	0.00	165.19	0.00%	47.99%
95°	0.00	165.19	0.00%	47.99%
100°	0.00	165.19	0.00%	47.99%
105°	0.00	165.19	0.00%	47.99%
110°	0.03	165.22	0.01%	48.00%
115°	0.48	165.70	0.14%	48.14%
120°	1.81	167.50	0.53%	48.67%
125°	4.90	172.41	1.42%	50.09%
130°	7.45	179.86	2.16%	52.26%
135°	11.00	190.86	3.20%	55.45%
140°	16.51	207.37	4.80%	60.25%
145°	23.29	230.66	6.77%	67.02%
150°	25.34	256.00	7.36%	74.38%
155°	24.15	280.15	7.02%	81.39%
160°	21.56	301.71	6.26%	87.66%
165°	17.92	319.62	5.21%	92.86%
170°	13.44	333.06	3.90%	96.77%
175°	8.32	341.38	2.42%	99.18%
180°	2.81	344.19	0.82%	100.00%



ALUMINIO INYECTADO
INJECTED ALUMINUM



CRISTAL MATE
ACID MATT GLASS



PLANTILLA DE INSTALACIÓN
INSTALLATION TEMPLATE

