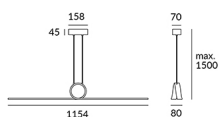


Curl

Manel Llusçà

00-2017-14-14

Pendant Curl LED 24W 3000K White 1001lm



TECHNICAL FEATURES

IP20



Power (W) : 24W

Real lumens : 1001

Real lm/W : 42

Colour temperature : LED warm-white 3000K

Structure material : Aluminium, Steel

Structure finish : White

Diffuser material : Polycarbonate

Diffuser finish : Tinted

Useful life : 36.000h L70B30

Equipment included : Yes, electronic

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

Warranty : 2 Years

Max. temperature : 25°C

Energy efficiency : LED A++

LUMINOTECHNIC FEATURES

Light source: LED

CRI: 80

MacAdam steps: 3

LOGISTICS

Net weight (kg): 1.25

Packaged weight (kg): 2.51

Packaging: 200mm x 130mm x 1215mm



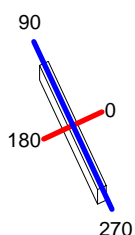
4 Un



Luminaire		Measur.		Lamp		
Code	00-2017	Code	00-2017	Code	00-2017-14-14	
Name	00-2017	Name	00-2017	Number	1	
Line	Eulumdat	Date	07-04-2015	Position		
Efficiency	99.07%	Coordinate system	CG	Total Flux	1010.80 lm	
Maximum value	390.09 cd	Position	C=270.00 G=3.00	Asymmetrical		
Rectangular Luminaire	Length	1154 mm	Width	80 mm	Height	1500 mm
Rectangular Luminous Area	Length	1154 mm	Width	80 mm	Height	1499 mm
Horizontal Luminous Area	0.092320 m2	Emitting area on Plane 180°		1.731000 m2		
Emitting area on Plane 0°	1.731000 m2	Emitting area on Plane 270°		0.120000 m2		
Emitting area on Plane 90°	0.120000 m2	Glare area at 76°		1.701916 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle		180		
Measurement Distance	0.00	Measurement Flux		1010.80 lm		
Operator		Source voltage				
Temperature	25.00 °C	Source current				
Humidity	60.00 %	Photocell				
Notes						

Luminaire Lamps						
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty	
Eulumdat	00-2017-14-14	00-2017-14-14 - 20.60 W	1010.80	20.60	1	
C.I.E.	49 78 93 100 99	D DIN 5040		A30		
F UTE	0.99 E	B NBN		BZ 4 / 1.5 / BZ 5		

1154mm x 80mm



C Halfplanes

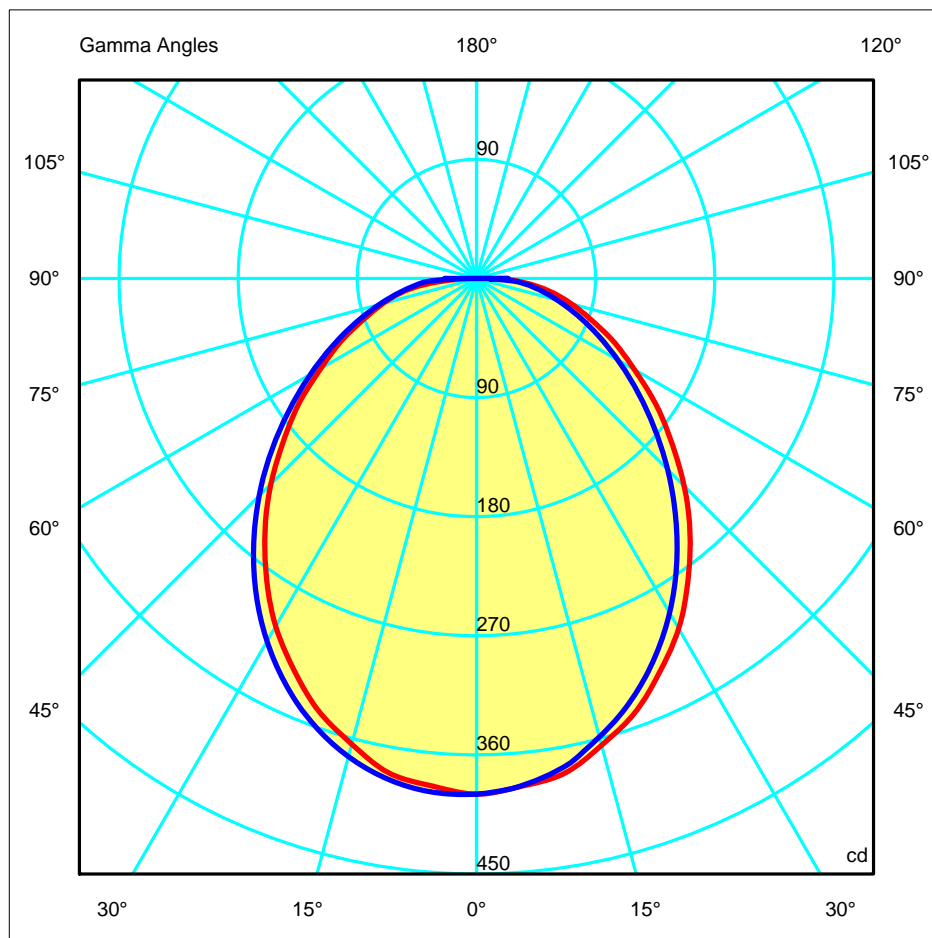
180.0 — 0.0

270.0 — 90.0

ULOR 0.11 %

DLOR 98.96 %

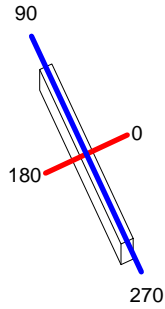
RN 0.11 %



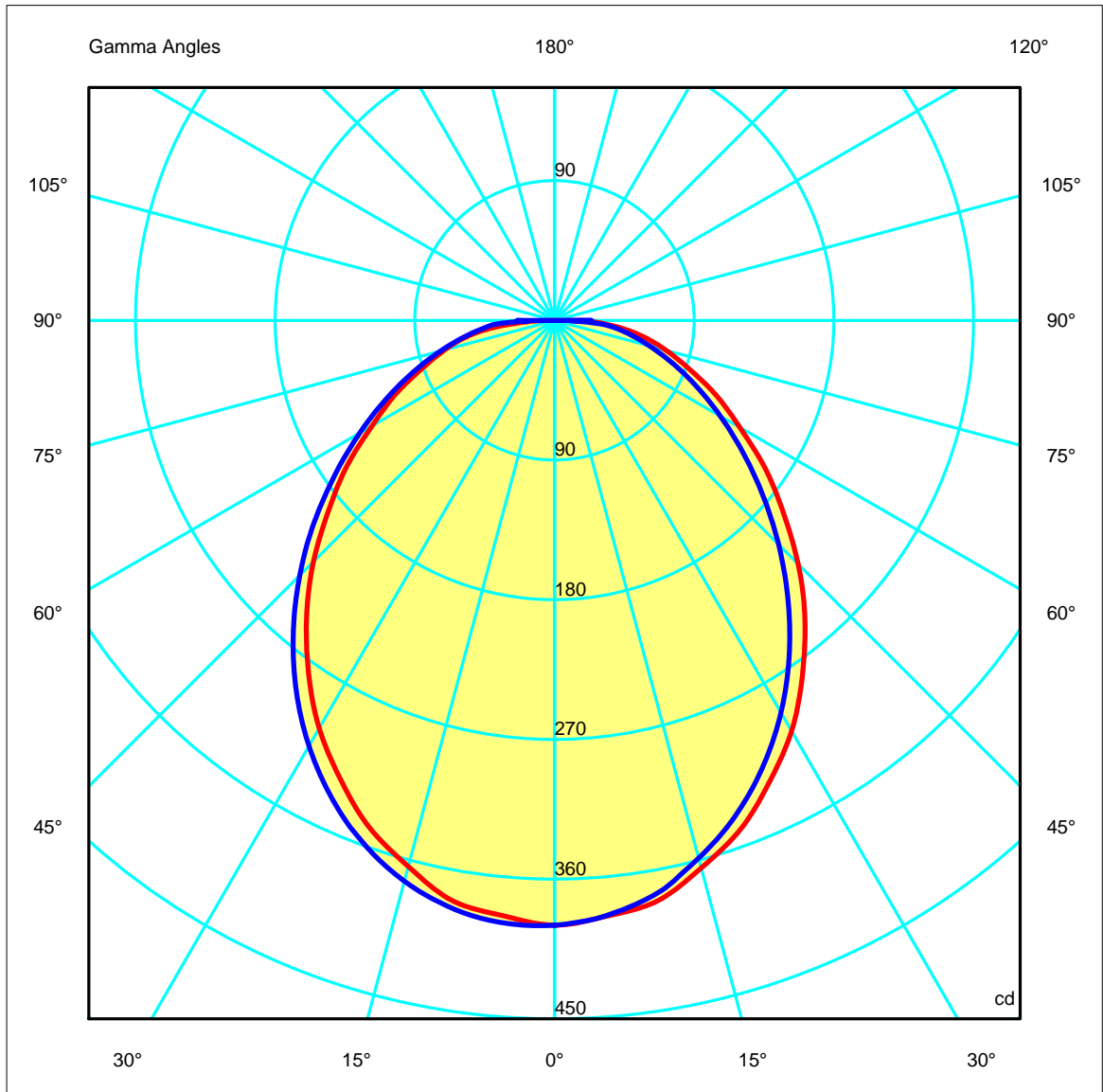
Luminaire		Measur.		Lamp	
Code	00-2017	Code	00-2017	Code	00-2017-14-14
Name	00-2017	Name	00-2017	Number	1
Line	Eulumdat	Date	07-04-2015	Position	
Efficiency	99.07%	Coordinate system	CG	Total Flux	1010.80 lm

1154mm x 80mm

C Halfplanes



180.0 ——— 0.0
 270.0 ——— 90.0



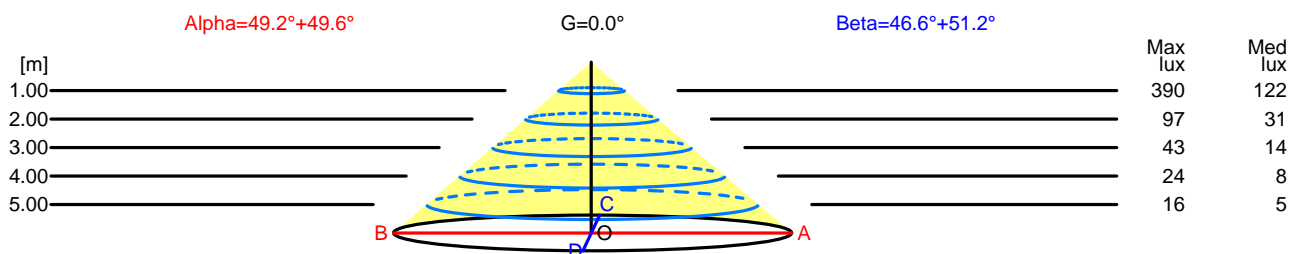
Luminaire		Measur.		Lamp	
Code	00-2017	Code	00-2017	Code	00-2017-14-14
Name	00-2017	Name	00-2017	Number	1
Line	Eulumdat	Date	07-04-2015	Position	
Efficiency	99.07%	Coordinate system	CG	Total Flux	1010.80 lm

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	1.17	2.35	3.52	4.69	5.87	OC	1.06	2.11	3.17	4.23	5.28
OB	1.16	2.31	3.47	4.63	5.78	OD	1.24	2.49	3.73	4.98	6.22

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	389.66	385.24	365.16	327.84	278.53	221.91	165.29	115.40	74.64	36.86
OB	389.66	384.92	364.21	326.35	276.51	219.68	163.19	113.53	73.36	30.14
OC	389.66	384.88	358.68	317.38	263.63	204.23	148.16	101.20	63.20	32.96
OD	389.66	389.40	374.05	339.54	290.36	232.21	172.38	119.68	76.18	42.52



H[m]	D[m]	Max lux	Med lux	Alpha=49.2°+49.6°	G=0.0	
1.00	2.33	390	122			
2.00	4.66	97	31			
3.00	6.99	43	14			
4.00	9.32	24	8			
5.00	11.65	16	5			

H[m]	D[m]	Max lux	Med lux	Beta=51.2°+46.6°	G=0.0	
1.00	2.30	390	122			
2.00	4.60	97	31			
3.00	6.90	43	14			
4.00	9.20	24	8			
5.00	11.51	16	5			

Luminaire
 Code 00-2017
 Name 00-2017
 Line Eulumdat

Measur.
 Code 00-2017
 Name 00-2017
 Date 07-04-2015

Lamp
 Code 00-2017-14-14
 Number 1
 Position

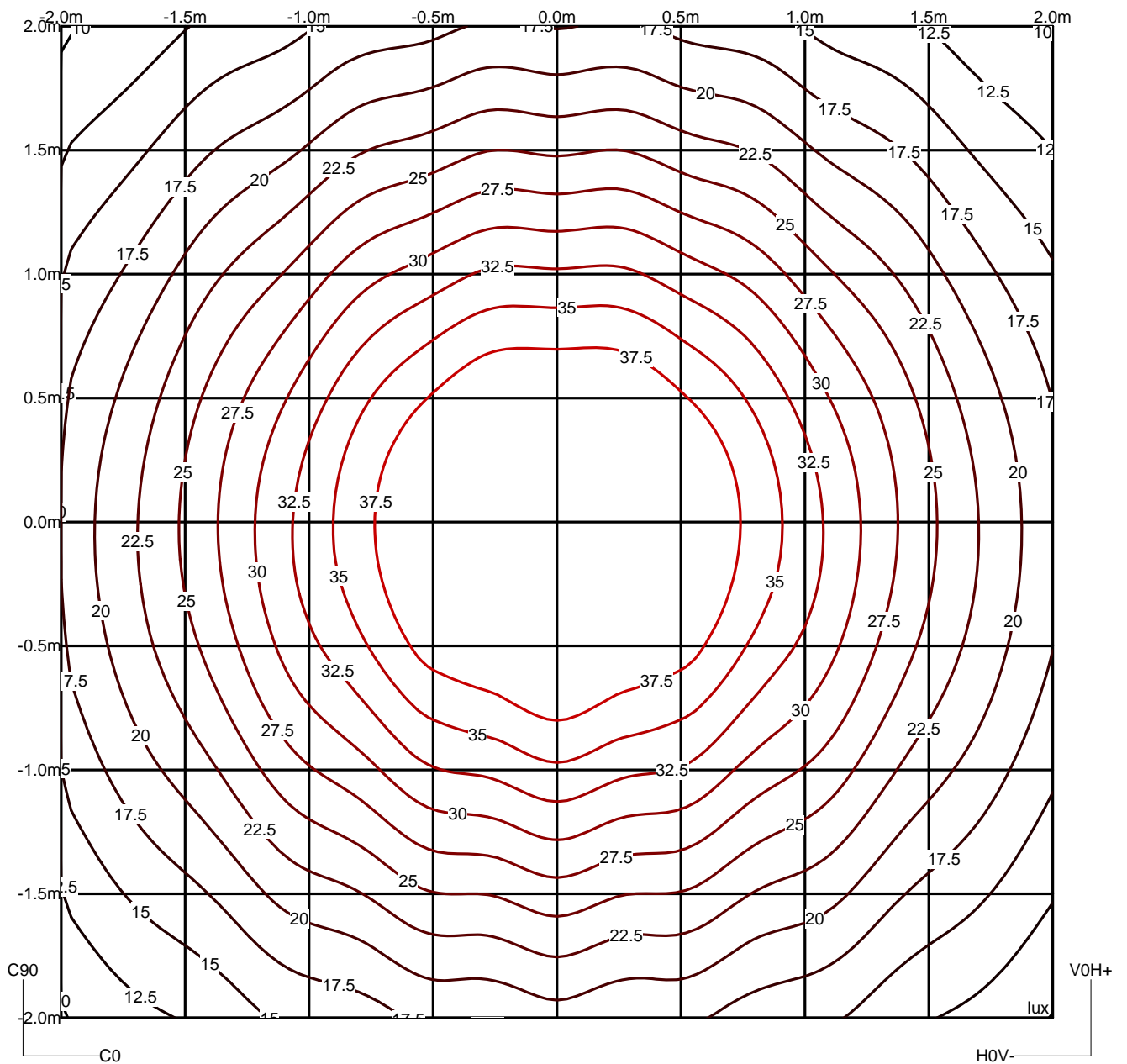
Efficiency 99.07%

Coordinate system CG

Total Flux 1010.80 lm

Isolux (Floor)

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



Luminaire
 Code 00-2017
 Name 00-2017
 Line Eulumdat

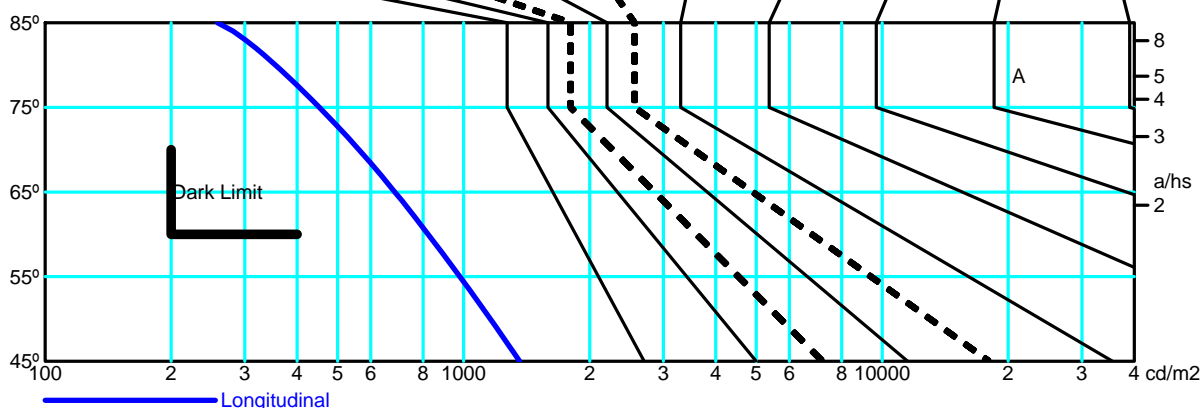
Measur.
 Code 00-2017
 Name 00-2017
 Date 07-04-2015

Lamp
 Code 00-2017-14-14
 Number 1
 Position

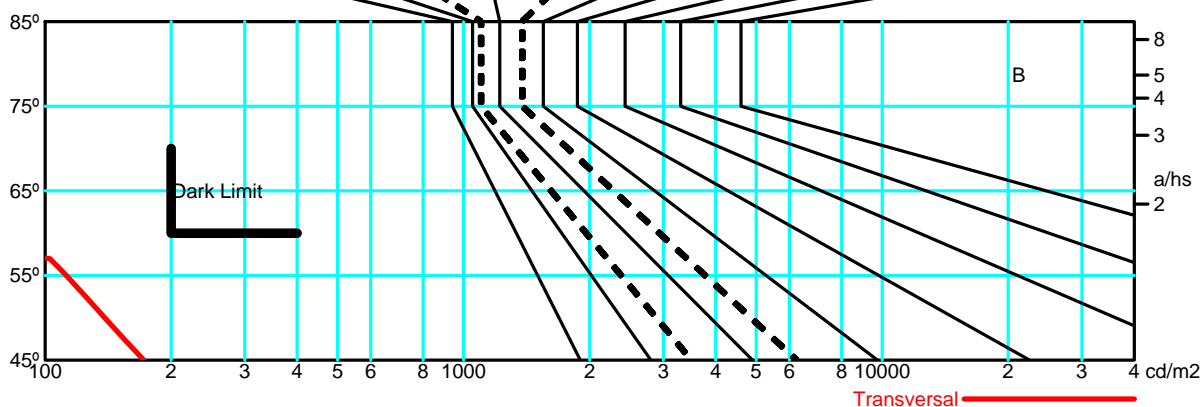
Efficiency 99.07% Coordinate system CG Total Flux 1010.80 lm

		Average Luminance [cd/m ²]										
		0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
90.0°		1360	172	139	112	89	72	56	44	33	21	---
					980	822	685	562	452	355	258	---

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

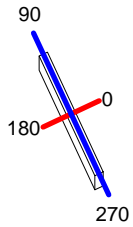


Flush mounted or transversal view													
		Illumination(lx)											
A	A	2000	1000	750	500	<300						1.15	
B	1		2000	1500	1000	750	500	<300				1.5	
C					2000			1000	500	<300		1.85	
D	2							2000	1000	500	<300	2.2	
E	3								2000	1000	500	<300	2.55



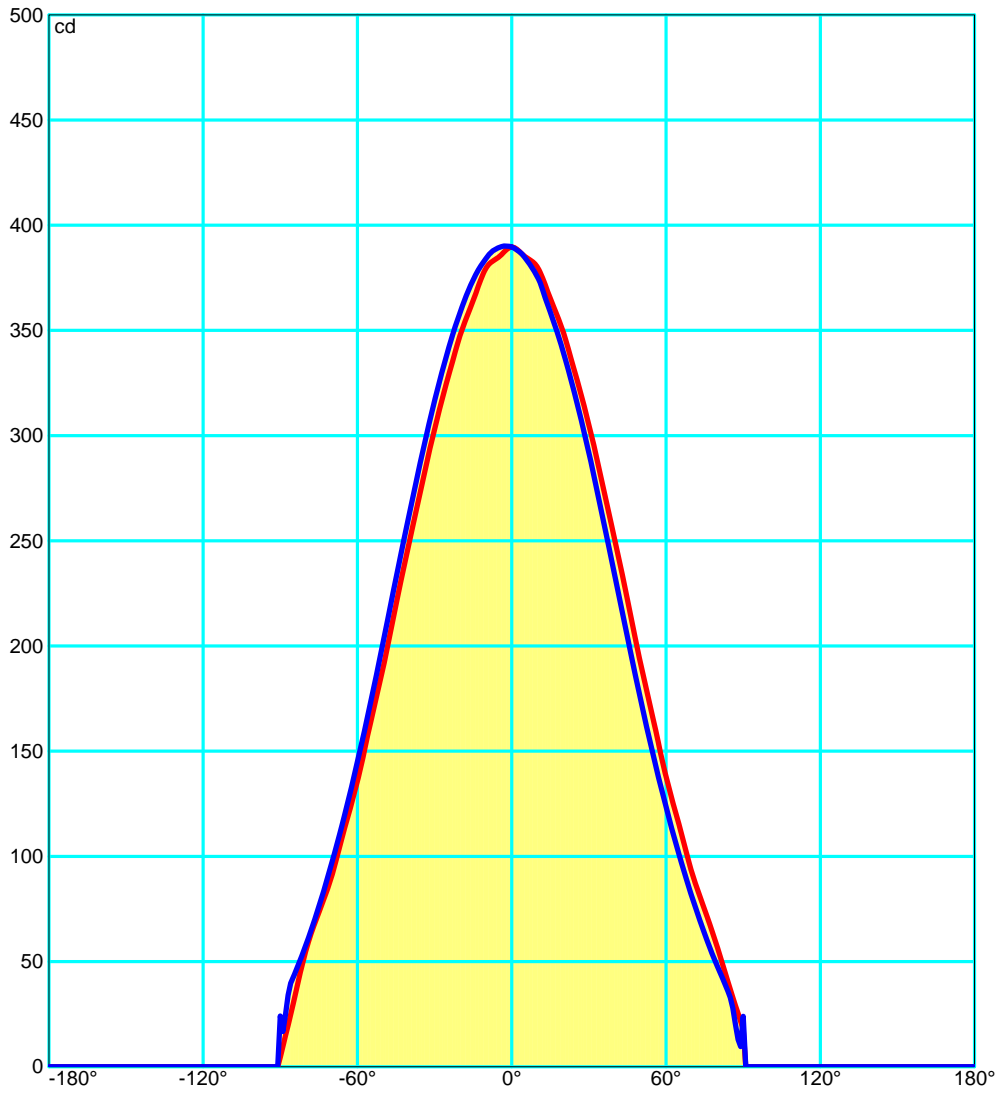
Luminaire		Measur.		Lamp	
Code	00-2017	Code	00-2017	Code	00-2017-14-14
Name	00-2017	Name	00-2017	Number	1
Line	Eulumdat	Date	07-04-2015	Position	
Efficiency	99.07%	Coordinate system	CG	Total Flux	1010.80 lm

1154mm x 80mm



C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



Luminaire		Measur.		Lamp	
Code	00-2017	Code	00-2017	Code	00-2017-14-14
Name	00-2017	Name	00-2017	Number	1
Line	Eulumdat	Date	07-04-2015	Position	
Efficiency	99.07%	Coordinate system	CG	Total Flux	1010.80 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	4.9	6.2	5.2	6.4	10.4	8.6	10.0	8.9	10.2	10.4
x=2H y=3H	5.8	7.0	6.2	7.3	11.7	10.0	11.2	10.3	11.4	11.7
x=2H y=4H	6.2	7.3	6.6	7.6	12.3	10.6	11.7	10.9	12.0	12.3
x=2H y=6H	6.5	7.6	6.9	7.9	12.7	11.1	12.1	11.4	12.4	12.7
x=2H y=8H	6.6	7.7	7.0	8.0	12.9	11.3	12.3	11.6	12.6	12.9
x=2H y=12H	6.7	7.7	7.1	8.0	13.2	11.5	12.5	11.9	12.8	13.2
x=4H y=2H	5.5	6.7	5.9	7.0	10.4	8.7	9.9	9.1	10.1	10.4
x=4H y=3H	6.6	7.6	7.0	7.9	11.8	10.2	11.2	10.6	11.5	11.8
x=4H y=4H	7.1	8.0	7.6	8.4	12.4	10.8	11.7	11.2	12.1	12.4
x=4H y=6H	7.6	8.3	8.0	8.7	12.9	11.4	12.1	11.8	12.5	12.9
x=4H y=8H	7.7	8.4	8.2	8.8	13.2	11.7	12.4	12.1	12.8	13.2
x=4H y=12H	7.8	8.5	8.3	8.9	13.4	12.0	12.6	12.4	13.0	13.4
x=8H y=4H	7.4	8.1	7.9	8.5	12.4	10.9	11.6	11.3	12.0	12.4
x=8H y=6H	8.0	8.6	8.5	9.0	13.0	11.5	12.1	12.0	12.5	13.0
x=8H y=8H	8.2	8.7	8.7	9.2	13.3	11.8	12.3	12.3	12.8	13.3
x=8H y=12H	8.4	8.8	8.9	9.3	13.6	12.2	12.6	12.7	13.1	13.6
x=12H y=4H	7.5	8.1	7.9	8.5	12.3	10.9	11.5	11.3	11.9	12.3
x=12H y=6H	8.1	8.6	8.5	9.0	12.9	11.5	12.0	12.0	12.5	12.9
x=12H y=8H	8.3	8.8	8.8	9.2	13.3	11.8	12.3	12.3	12.8	13.3

Luminaire	Measur.	Lamp
Code 00-2017	Code 00-2017	Code 00-2017-14-14
Name 00-2017	Name 00-2017	Number 1
Line Eulumdat	Date 07-04-2015	Position

Efficiency 99.07%	Coordinate system CG	Total Flux 1010.80 lm
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Total Flux=1010.80 Luminaire Flux=1001.38

	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
RI	0.32	0.40	0.47	0.54	0.59	0.67	0.73	0.77	0.82	0.85	0.92	0.95
DRR	5	5	5	5	5	5	5	5	5	5	6	6
RC												

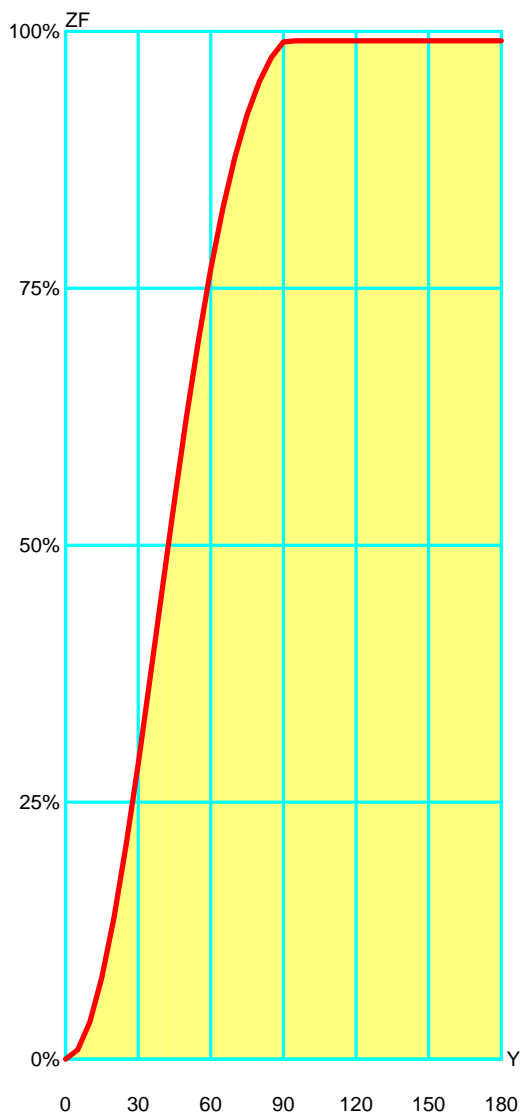
Zonal Flux per 1000 Lumen

	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	
Y°	36	138	287	458	626	769	878	951	990	991	991	991	991	991	991	991	991	991	991
ZF(Y)																			

CIE Flux Codes

49 78 93 100 99

C.I.E.	5/5/5/5/5/5/5/5/5/6/6	LOR	99.06834 %
D DIN 5040	A30	ULOR	0.10804 %
F UTE	0.99 E	DLOR	98.96030 %
B NBN	BZ 4 / 1.5 / BZ 5	UFF	0.10906 %
RN	0.10906 %	DFF	99.89094 %
BLF	1.0	FFR	0.10918 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.17	9.17	0.93 %	0.93 %
10°	27.06	36.23	2.73 %	3.66 %
15°	43.71	79.94	4.41 %	8.07 %
20°	58.19	138.13	5.87 %	13.94 %
25°	70.14	208.28	7.08 %	21.02 %
30°	78.99	287.27	7.97 %	29.00 %
35°	84.56	371.83	8.54 %	37.53 %
40°	86.64	458.47	8.75 %	46.28 %
45°	85.54	544.01	8.63 %	54.91 %
50°	81.59	625.61	8.24 %	63.15 %
55°	75.39	701.00	7.61 %	70.76 %
60°	67.79	768.78	6.84 %	77.60 %
65°	59.24	828.02	5.98 %	83.58 %
70°	50.18	878.20	5.07 %	88.65 %
75°	40.64	918.84	4.10 %	92.75 %
80°	31.96	950.80	3.23 %	95.97 %
85°	23.67	974.46	2.39 %	98.36 %
90°	15.14	989.60	1.53 %	99.89 %
95°	1.08	990.68	0.11 %	100.00 %
100°	0.00	990.68	0.00 %	100.00 %
105°	0.00	990.68	0.00 %	100.00 %
110°	0.00	990.68	0.00 %	100.00 %
115°	0.00	990.68	0.00 %	100.00 %
120°	0.00	990.68	0.00 %	100.00 %
125°	0.00	990.68	0.00 %	100.00 %
130°	0.00	990.68	0.00 %	100.00 %
135°	0.00	990.68	0.00 %	100.00 %
140°	0.00	990.68	0.00 %	100.00 %
145°	0.00	990.68	0.00 %	100.00 %
150°	0.00	990.68	0.00 %	100.00 %
155°	0.00	990.68	0.00 %	100.00 %
160°	0.00	990.68	0.00 %	100.00 %
165°	0.00	990.68	0.00 %	100.00 %
170°	0.00	990.68	0.00 %	100.00 %
175°	0.00	990.68	0.00 %	100.00 %
180°	0.00	990.68	0.00 %	100.00 %