



10-2757-14-82

V0

MICHIGAN Portátil

Descripción

Colección de uso interior para iluminación general.

Diseño by G. Bernal. Diseño atemporal. Muy customizable: accesorios, acabados... Óptimo precio-rendimiento. Fácil instalación. Colección completa con productos complementarios. Alta durabilidad para uso intensivo. Material estructura: Acero. Acabado estructura: Blanco brillante. Garantía: 5 Años.

Acabado
Blanco brillante

Material
Acero

IP20   8

CARACTERÍSTICAS TÉCNICAS

Fuente de luz
Portalamparas: 1 x E27
Potencia (W): MAX 60W
Consumo total (W): 60
Lumens reales: 496
Cantidad: 1
Lm/W reales: 8
UGR: 6.0

EQUIPO
Voltaje / Frecuencia:
220-240V/50-60Hz

Luminaria
Garantía: 5 Años

Logística
Eficiencia energética: NO BULB
EAN: 8435381409999
Peso neto (Kg): 1.090
Peso en Kg (embalado): 1.644
Box: 225 x 140 x 400
Masterbox: 8

El acabado de la fotografía puede no coincidir con el de la referencia. Para identificar el real ver descripción del acabado.

ACCESORIOS OPCIONALES

	PAN-177-14 Pantalla, ovalada, blanco, 285x150x150mm Material estructura: Acero Medidas: 285 x 150 x Peso neto (Kg): 0.000
	PAN-177-BY Pantalla, ovalada, arena, 285x150x150mm Material estructura: Acero Medidas: 285 x 150 x Peso neto (Kg): 0.000
	PAN-157-14 Pantalla, blanco, Ø200mm Material estructura: Acero Medidas: 200 x 0 x 150 Peso neto (Kg): 0.000
	PAN-157-BY PANTALLA DE TELA ARENA Material estructura: Acero Medidas: 200 x 0 x 150 Peso neto (Kg): 0.000
	PAN-161-14 Material estructura: Acero Medidas: 260 x 0 x 200 Peso neto (Kg): 0.000
	PAN-161-BY Material estructura: Acero Medidas: 260 x 0 x 200 Peso neto (Kg): 0.000
	PAN-219-14 Pantalla, blanco, plisada horizontal, Ø200mm Material estructura: Acero Medidas: 200 x 0 x 150 Peso neto (Kg): 0.000
	PAN-219-05 Pantalla, negro, plisada horizontal, Ø200mm Material estructura: Acero Medidas: 200 x 0 x 150 Peso neto (Kg): 0.000



PAN-179-14

Pantalla, blanco, 180x186x150mm

Material estructura: Acero
Medidas: 180 x 186 x
Peso neto (Kg): 0.000



PAN-179-BY

Pantalla, arena, 180x186x150mm

Material estructura: Acero
Medidas: 180 x 186 x
Peso neto (Kg): 0.000



PAN-187-20

Pantalla, beige plisada, 180x186x150mm

Material estructura: Acero
Peso neto (Kg): 0.000



PAN-180-14

Pantalla, blanco, 210x215x180mm

Material estructura: Acero
Medidas: 210 x 215 x
Peso neto (Kg): 0.000



PAN-180-BY

Pantalla, arena, 210x215x180mm

Material estructura: Acero
Medidas: 210 x 215 x
Peso neto (Kg): 0.000



PAN-188-20

Pantalla, beige plisada, 210x215x180mm

Material estructura: Acero
Peso neto (Kg): 0.000



PAN-176-14

Pantalla, blanco, 285x170x150mm

Material estructura: Acero
Medidas: 150 x 285 x
Peso neto (Kg): 0.000



PAN-176-BY

Pantalla, arena, 285x170x150mm

Material estructura: Acero
Medidas: 285 x 170 x
Peso neto (Kg): 0.000



PAN-194-AJ

Pantalla, gris opera, Ø220mm

Material estructura:
Medidas: 220 x 167 x
Peso neto (Kg): 0.190



PAN-198-V7

Pantalla, cobre viejo, Ø186mm

Material estructura: Acero

Medidas: 186 x x 135

Peso neto (Kg): 0.000



PAN-199-V7

Pantalla, cobre viejo, Ø235mm x H135mm

Material estructura: Acero

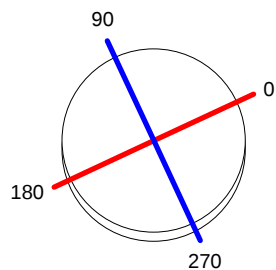
Medidas: 235 x x 135

Peso neto (Kg): 0.000

Luminaire		Measur.		Lamp	
Code	10-2757-14-82	Code	10-2757-14-82	Code	STANDARD S 60W E27 O
Name	Colgante MICHIGAN 60W E27	Name	Colgante MICHIGAN 60W E27	Number	1
Line	Eulumdat	Date	02-06-2014	Position	
Efficiency	77.49%	Coordinate system	CG	Total Flux	640.00 lm
Maximum value	88.08 cd	Position	C=0.00 G=130.00	Double Symmetrical	
Round Luminaire		Diam.	260 mm	Height	200 mm
Round Luminous Area		Diam.	260 mm	Height	200 mm
Horizontal Luminous Area	0.053093 m2	Emitting area on Plane 180°	0.052000 m2	Emitting area on Plane 270°	0.052000 m2
Emitting area on Plane 0°	0.052000 m2	Glare area at 76°	0.063300 m2		
Emitting area on Plane 90°	0.052000 m2				
Symmetry Type	Double Symmetrical	Maximum Gamma Angle	180		
Measurement Distance	0.00	Measurement Flux	640.00 lm		
Operator	Asselum T2	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	STANDARD S 60W E27 O	STANDARD S 60W E27 O - 60.00 W	640.00	60.00	1
C.I.E.	40 69 88 45 77	D DIN 5040			
F UTE	0.35 G + 0.43 T	B NBN			
		C22			
		BZ 5 / 1.25 / BZ 6			

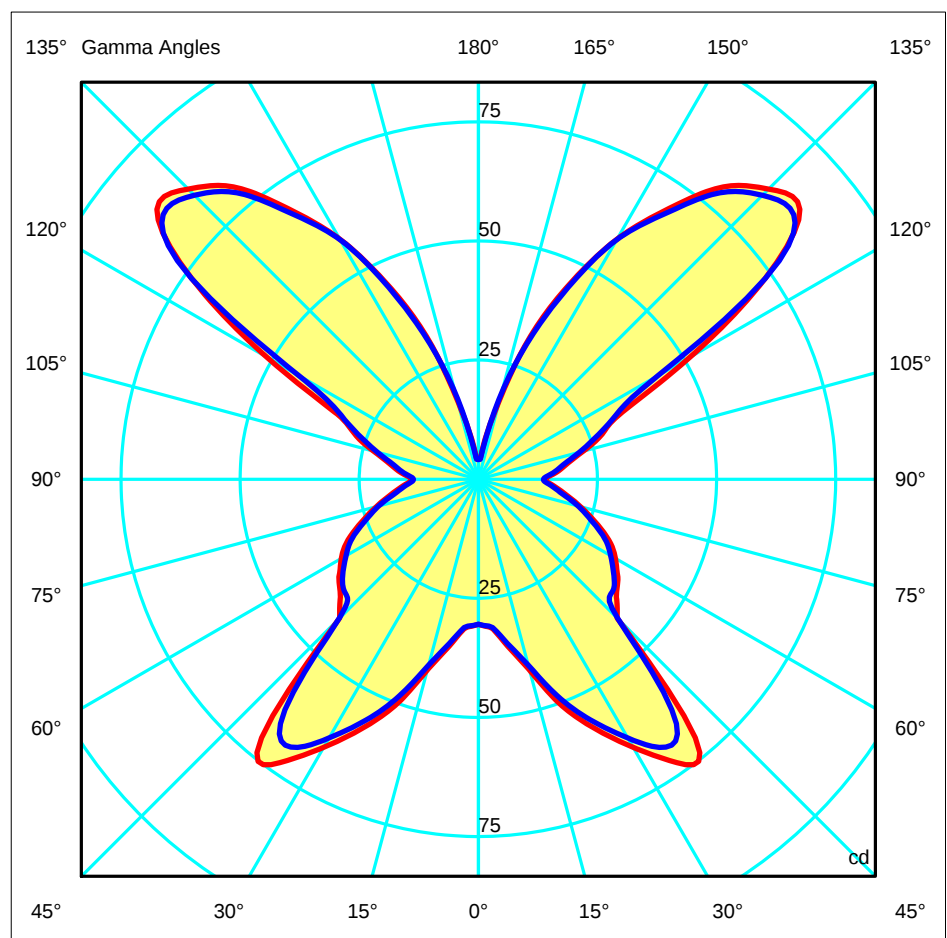
Diam=260mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0

ULOR 42.70 %
DLOR 34.79 %
RN 55.10 %

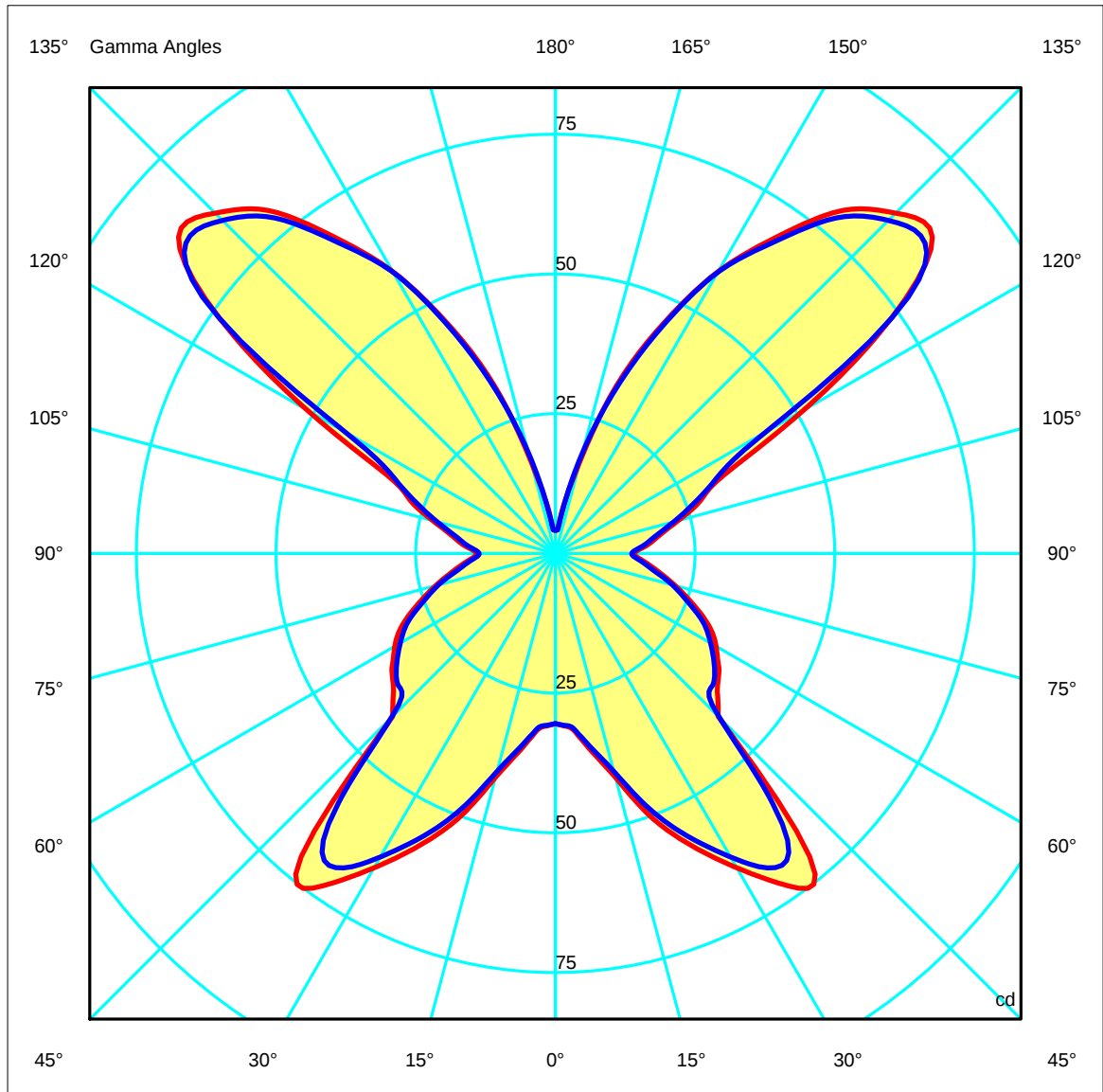
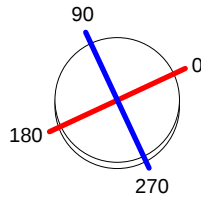


Luminaire		Measurem.		Lamp	
Code	10-2757-14-82	Code	10-2757-14-82	Code	STANDARD S 60W E27 O
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Diam=260mm

C Halfplanes

180.0 — 0.0
270.0 — 90.0

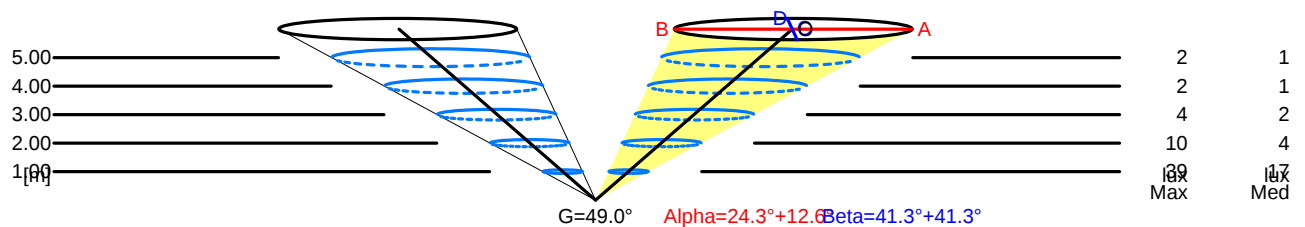


Luminaire		Measur.		Lamp	
Code	10-2757-14-82	Code	10-2757-14-82	Code	STANDARD S 60W E27 O
Name	Colgante MICHIGAN 60W E27	Name	Colgante MICHIGAN 60W E27	Number	1
Line	Eulmdat	Date	02-06-2014	Position	
Efficiency	77.49%	Coordinate system	CG	Total Flux	640.00 lm

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	0.70	1.41	2.11	2.81	3.51	OC	1.34	2.68	4.02	5.36	6.69
OB	0.69	1.38	2.07	2.76	3.45	OD	1.34	2.68	4.02	5.36	6.69

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	4.24	4.28	17.38	45.04	69.16	86.11	73.45	33.32	22.77	16.38
OB	4.24	4.28	17.38	45.04	69.16	86.11	73.45	33.32	22.77	16.38
OC	4.12	4.21	18.64	44.25	67.93	84.28	73.56	31.85	21.95	15.78
OD	4.12	4.21	18.64	44.25	67.93	84.28	73.56	31.85	21.95	15.78



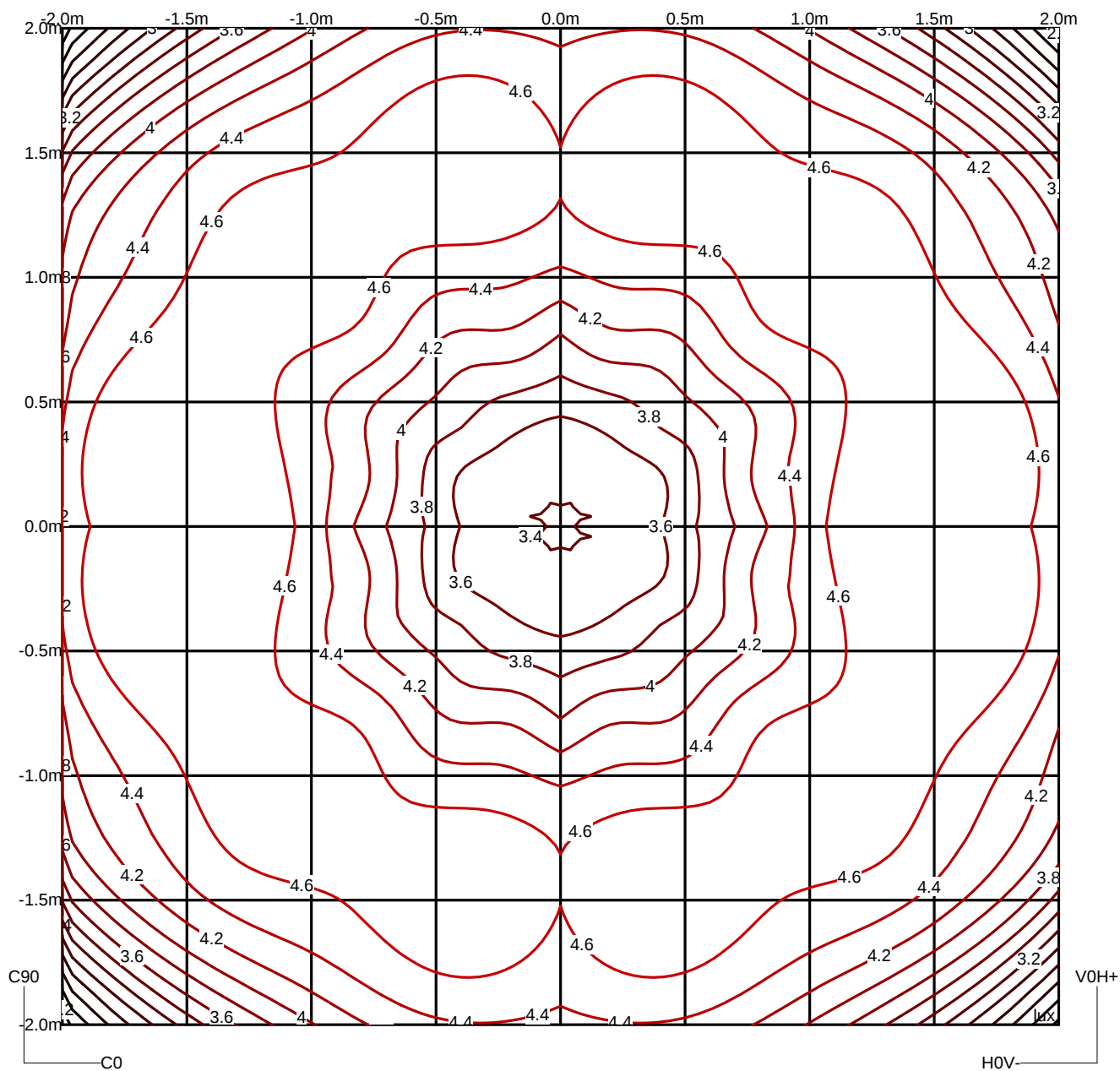
5.00	6.96	2	1	
4.00	5.57	2	1	
3.00	4.18	4	2	
2.00	2.78	10	4	
1.00	1.39	39	17	
H[m]	D[m]	Max lux	Med lux	Alpha=24.3°+12.6° G=49.0

5.00	13.39	2	1	
4.00	10.71	2	1	
3.00	8.03	4	2	
2.00	5.36	10	4	
1.00	2.68	39	17	
H[m]	D[m]	Max lux	Med lux	Beta=41.3°+41.3° G=0.0

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Efficiency	77.49%	Coordinate system	CG	Total Flux	640.00 lm

Isolux (Floor)

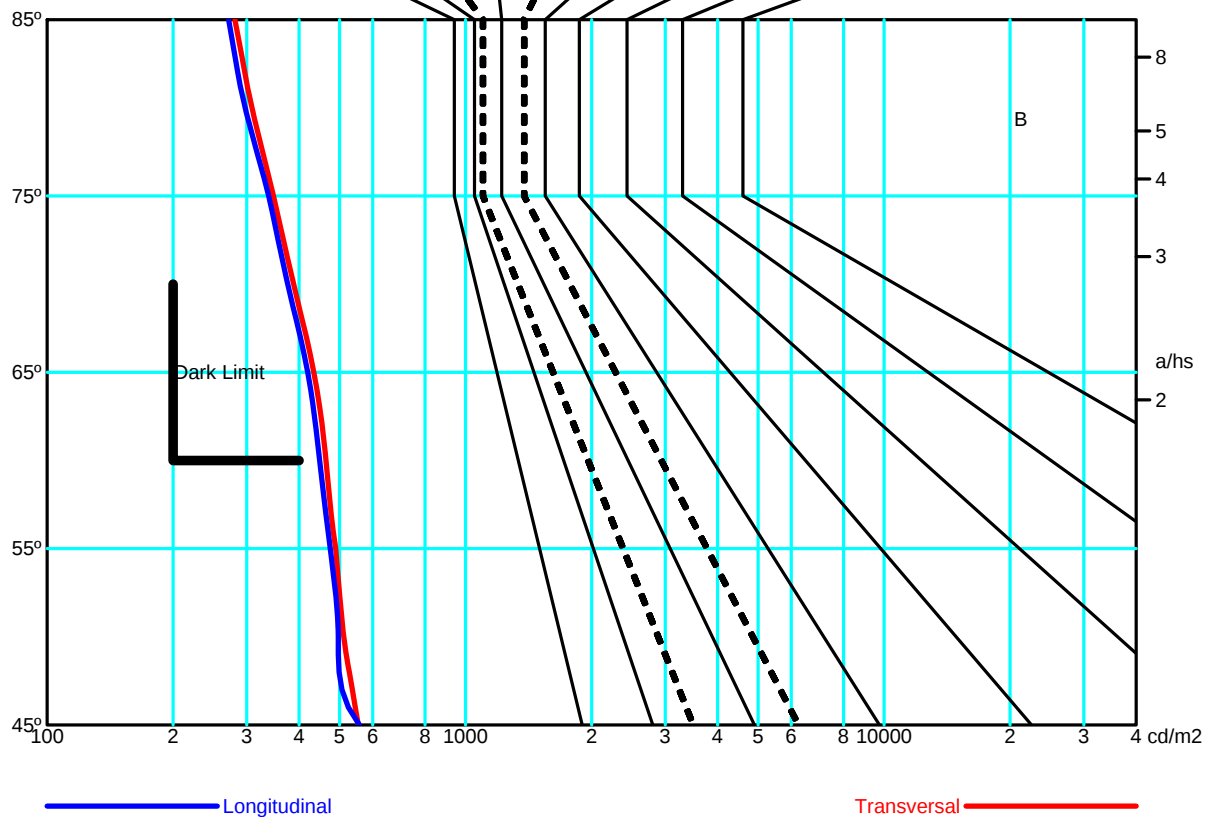
Luminaire position X=0.00m Y=0.00m Z=3.00m



Luminaire		Measur.		Lamp	
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Line	Eulumat	Date	02-06-2014	Position	
Efficiency	77.49%	Coordinate system	CG	Total Flux	640.00 lm

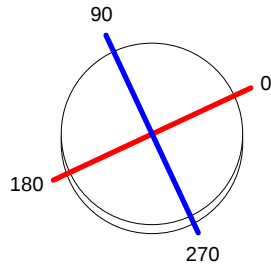
Average Luminance [cd/m ²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
554	511	489	464	434	388	347	309	281	---	
90.0°	557	496	475	448	420	376	338	297	272	---

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



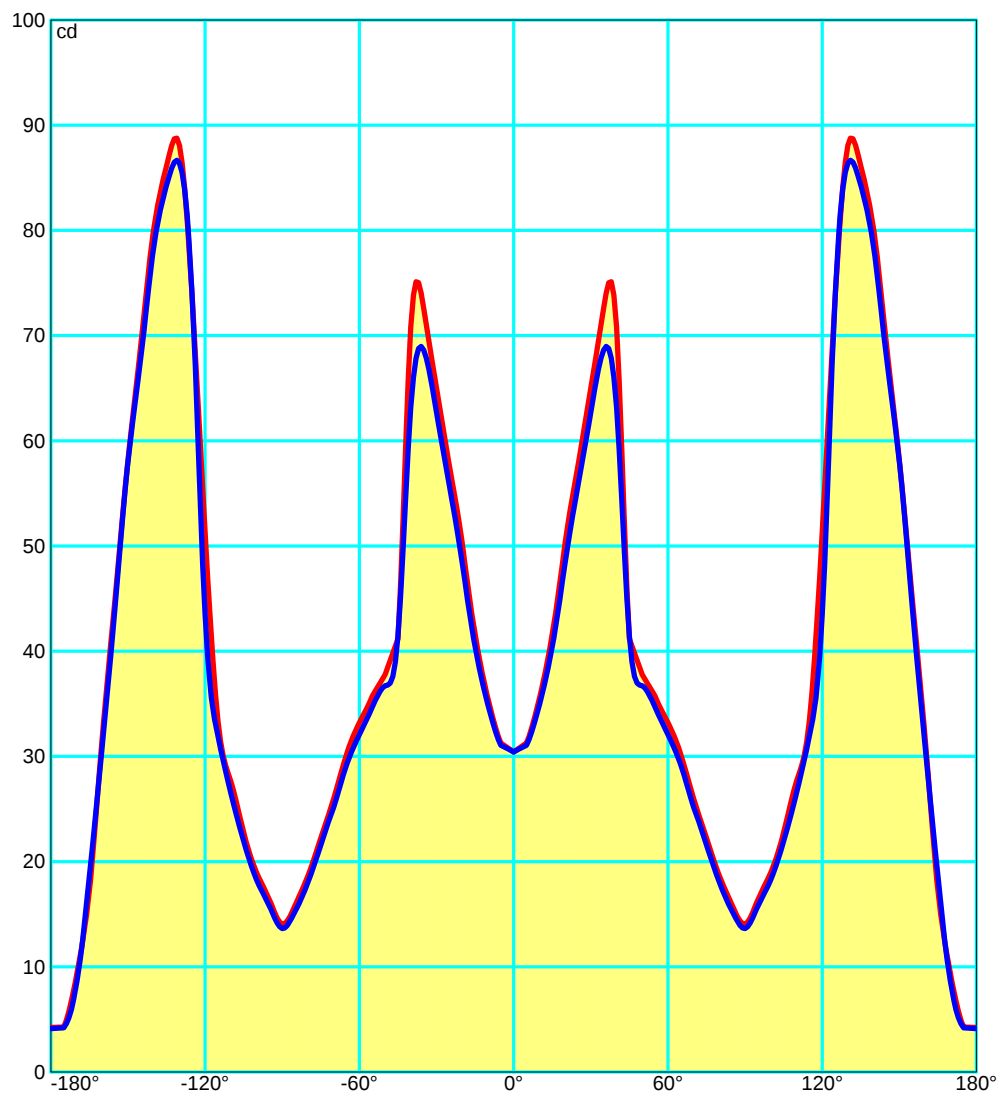
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Line	Eulumat	Date	02-06-2014	Position	
Efficiency	77.49%	Coordinate system	CG	Total Flux	640.00 lm

Diam=260mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0



Luminaire		Measur.		Lamp	
Code	10-2757-14-82	Code	10-2757-14-82	Code	STANDARD S 60W E27 O
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Line	Eulumat	Date	02-06-2014	Position	
Efficiency	77.49%	Coordinate system	CG	Total Flux	640.00 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	6.2	7.0	7.1	7.9	9.0	6.0	6.8	7.0	7.8	9.0
x=2H y=3H	7.8	8.5	8.8	9.5	10.6	7.6	8.3	8.6	9.3	10.6
x=2H y=4H	8.5	9.2	9.5	10.2	11.3	8.4	9.0	9.3	10.0	11.3
x=2H y=6H	9.1	9.8	10.1	10.8	11.9	9.0	9.6	10.0	10.6	11.9
x=2H y=8H	9.4	10.0	10.4	11.0	12.2	9.3	9.9	10.3	10.9	12.2
x=2H y=12H	9.7	10.3	10.7	11.3	12.4	9.5	10.1	10.5	11.1	12.4
x=4H y=2H	6.7	7.4	7.7	8.4	9.5	6.6	7.3	7.6	8.3	9.5
x=4H y=3H	8.5	9.1	9.5	10.1	11.3	8.4	9.0	9.4	10.0	11.3
x=4H y=4H	9.4	9.9	10.4	10.9	12.1	9.2	9.8	10.3	10.8	12.1
x=4H y=6H	10.2	10.6	11.2	11.7	12.8	10.0	10.5	11.1	11.5	12.8
x=4H y=8H	10.6	11.0	11.6	12.0	13.2	10.4	10.8	11.4	11.8	13.2
x=4H y=12H	10.9	11.3	12.0	12.3	13.6	10.8	11.1	11.8	12.2	13.6
x=8H y=4H	9.7	10.1	10.7	11.1	12.4	9.6	10.0	10.6	11.0	12.4
x=8H y=6H	10.7	11.0	11.7	12.1	13.3	10.5	10.9	11.6	11.9	13.3
x=8H y=8H	11.2	11.5	12.2	12.5	13.8	11.0	11.3	12.1	12.4	13.8
x=8H y=12H	11.7	11.9	12.7	13.0	14.3	11.5	11.8	12.6	12.9	14.3
x=12H y=4H	9.7	10.1	10.8	11.1	12.4	9.6	10.0	10.6	11.0	12.4
x=12H y=6H	10.8	11.1	11.8	12.1	13.4	10.6	10.9	11.7	12.0	13.4
x=12H y=8H	11.3	11.6	12.4	12.7	13.9	11.2	11.4	12.3	12.5	13.9

Luminaire			Measur.			Lamp	
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Line	Eulumat		Date	02-06-2014		Position	
Efficiency	77.49%		Coordinate system	CG		Total Flux	640.00 lm

Total Flux=640.00 Luminaire Flux=495.93

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	0.26	0.34	0.40	0.47	0.52	0.60	0.66	0.70	0.76	0.80	0.88	0.93
RC	6	6	6	6	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)	5	24	65	132	189	238	284	321	348	375	413	466	564	665	733	765	774	775

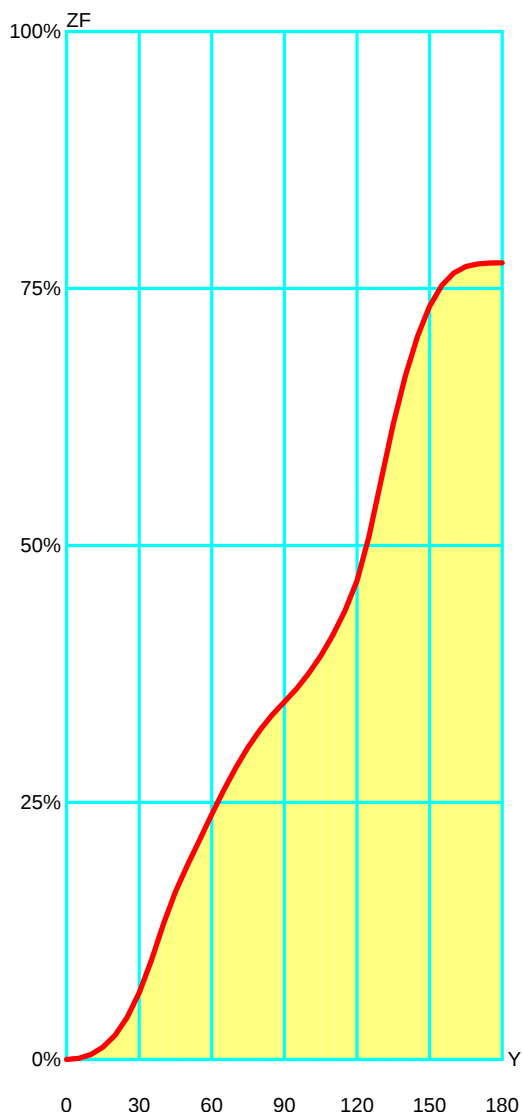
CIE Flux Codes

40 69 88 45 77

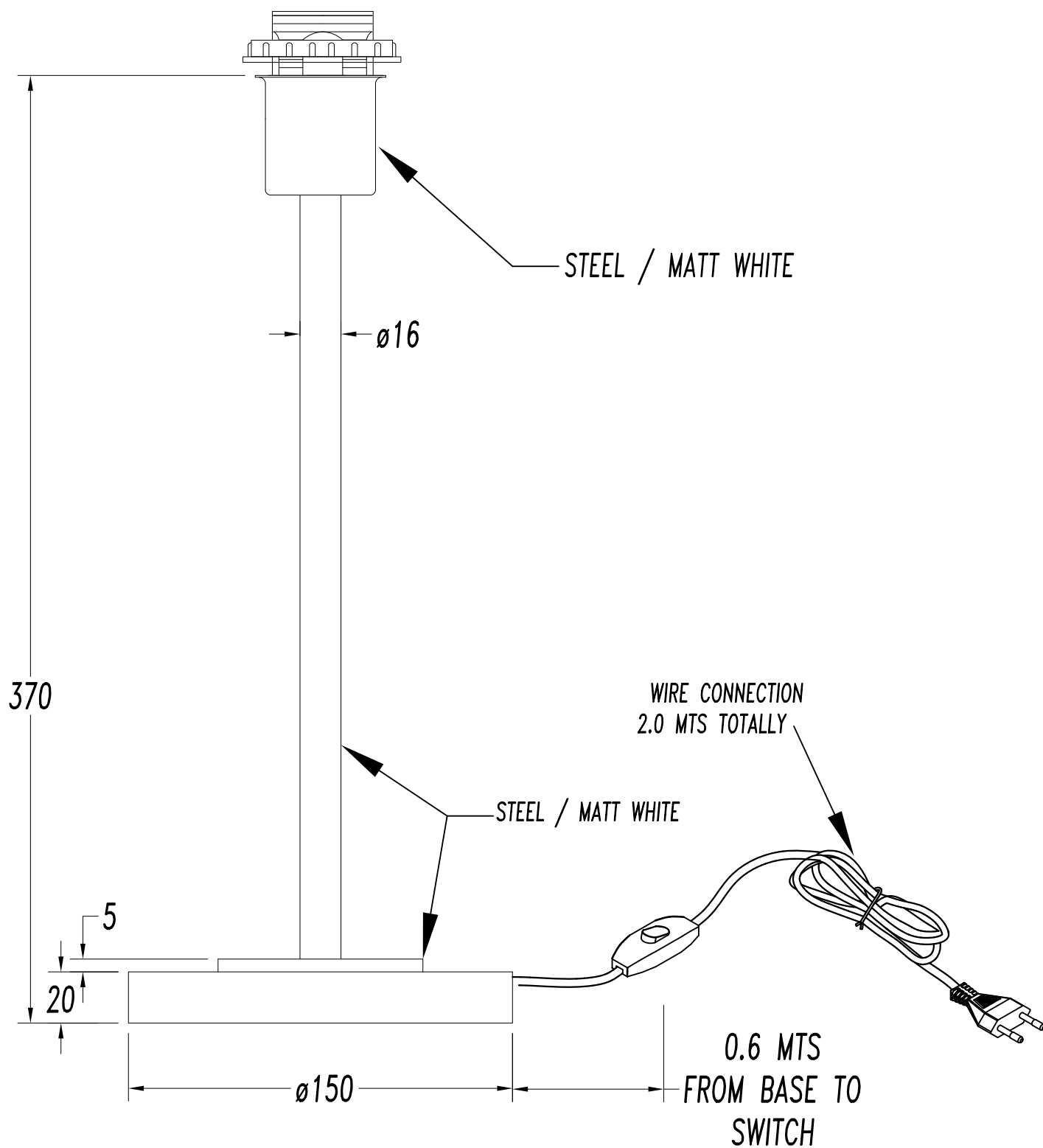
C.I.E.
D DIN 5040
F UTE
B NBN
RN
BLF

6/6/6/6/7/7/7/7/7/7/7
C22
0.35 G + 0.43 T
BZ 5 / 1.25 / BZ 6
55.09901 %
1.0

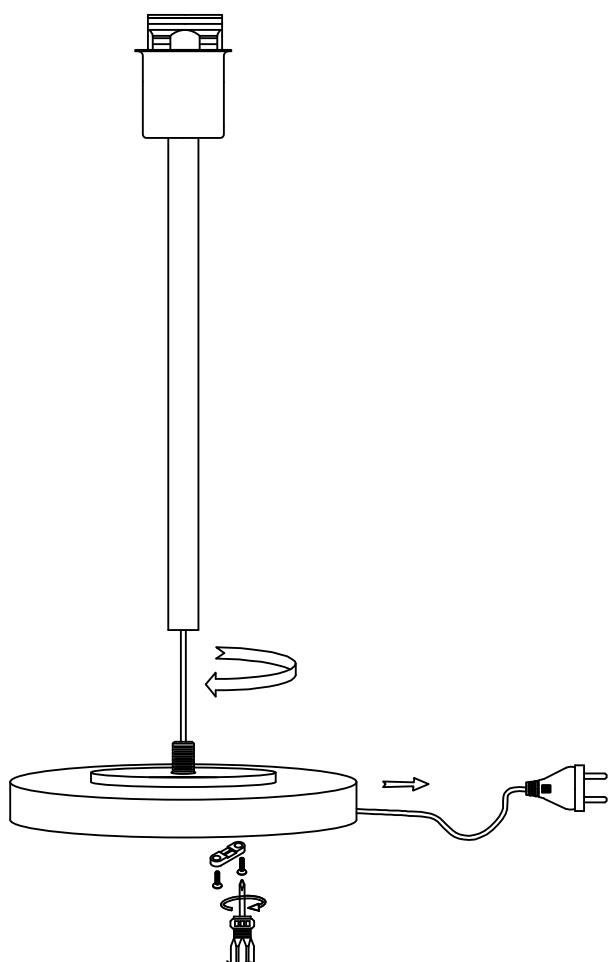
LOR 77.48869 %
ULOR 42.69550 %
DLOR 34.79319 %
UFF 55.09901 %
DFF 44.90099 %
FFR 122.71223 %



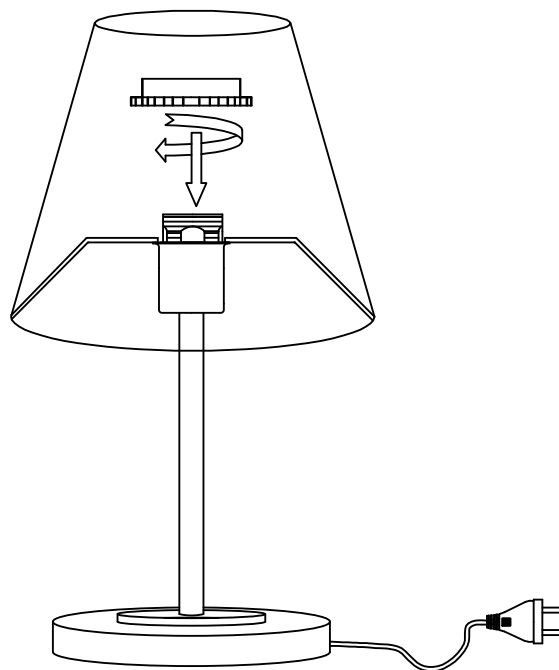
Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	1.15	1.15	0.15 %	0.15 %
10°	3.71	4.87	0.48 %	0.63 %
15°	7.08	11.95	0.91 %	1.54 %
20°	11.60	23.54	1.50 %	3.04 %
25°	17.34	40.88	2.24 %	5.28 %
30°	24.03	64.91	3.10 %	8.38 %
35°	31.09	96.00	4.01 %	12.39 %
40°	35.58	131.58	4.59 %	16.98 %
45°	31.81	163.39	4.11 %	21.09 %
50°	25.73	189.12	3.32 %	24.41 %
55°	24.73	213.85	3.19 %	27.60 %
60°	24.62	238.47	3.18 %	30.77 %
65°	23.73	262.20	3.06 %	33.84 %
70°	22.01	284.21	2.84 %	36.68 %
75°	19.59	303.80	2.53 %	39.21 %
80°	16.92	320.72	2.18 %	41.39 %
85°	14.53	335.26	1.88 %	43.27 %
90°	12.67	347.93	1.64 %	44.90 %
95°	12.75	360.68	1.65 %	46.55 %
100°	14.70	375.38	1.90 %	48.44 %
105°	17.11	392.50	2.21 %	50.65 %
110°	20.07	412.56	2.59 %	53.24 %
115°	23.66	436.22	3.05 %	56.29 %
120°	29.43	465.65	3.80 %	60.09 %
125°	43.31	508.97	5.59 %	65.68 %
130°	54.97	563.93	7.09 %	72.78 %
135°	54.00	617.93	6.97 %	79.75 %
140°	47.10	665.04	6.08 %	85.82 %
145°	38.42	703.46	4.96 %	90.78 %
150°	29.21	732.67	3.77 %	94.55 %
155°	20.15	752.82	2.60 %	97.15 %
160°	12.18	765.00	1.57 %	98.72 %
165°	6.31	771.31	0.81 %	99.54 %
170°	2.62	773.93	0.34 %	99.88 %
175°	0.80	774.72	0.10 %	99.98 %
180°	0.16	774.89	0.02 %	100.00 %



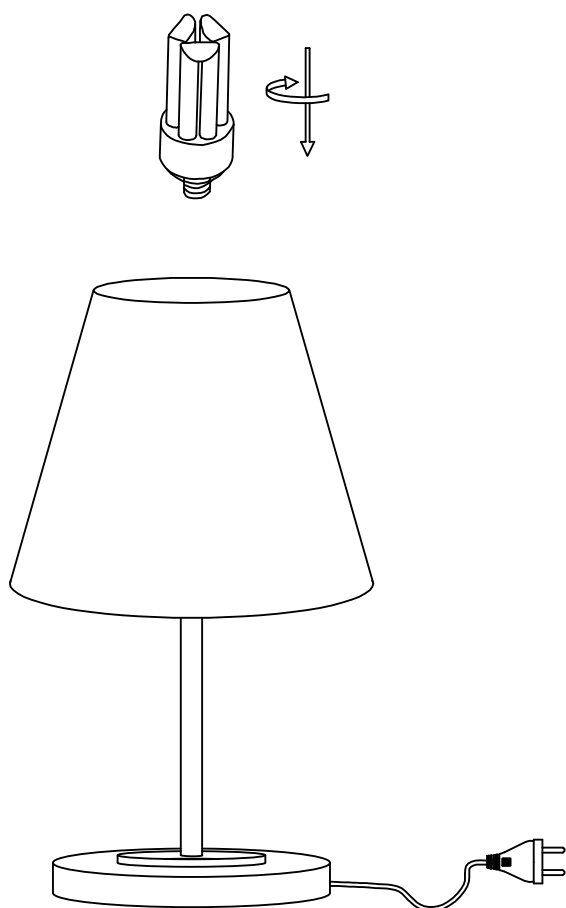
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2



3



4

