DE-0500-NEG

V0

Tender Sobremesa



Descripción
Sobremesa IP20 Tender LED 4W 3000K ON-OFF Negro 345lm

	Acabado	Material
Estructura	Negro	Policarbonato Acero
Difusor	Matizado	Policarbonato

UGR	
S=0.250	
Techo/Cavidad	0.7
Paredes	0.5
Plano De Trabajo	0.2
Dimensiones De La Habitación	X=4H, Y=8H
UGR Transversal	26.0
UGR Longitudinal	26.0

IP20 FLOOD 94º 6

CARACTERÍSTICAS TÉCNICAS

Fuente de luz
Fuente de luz: LED CHANGFANG
Potencia (W): 4W
Consumo total (W): 4W
Temperatura de color: Blanco cálido - 3000K
CRI: 80
Riesgo fotobiológico: RG0
Lumens reales: 345
Nº Leds: 6
Lm/W reales: 86
Vida útil: 36.000h L70B30
Bin / Grup: 30KJ
MacAdam steps: 3
UGR: 23.5
Bombilla recomendada: LED

EQUIPO
Equipo incluido: Si, electrónico
Voltaje / Frecuencia: 100-240V/50-60Hz
Factor de potencia: 0.50
Protocolo de regulación: ON-OFF

Luminaria
Empotrable para zona peatonal: No
Garantía: 5 Años

Logística
Eficiencia energética: LED A++
EAN: 8435575322806
Peso neto (Kg): 0.77
Peso en Kg (embalado): 0.91
Box: - x - x -
Masterbox: 6

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

Luminaire
Code DE-0500-NEG
Name TENDER
Measurem.
Code DE-0500-NEG
Name TENDER

Luminaire Flux	344.95 lm	Luminaire Power	4.60 W	Efficacy	74.99 lm/W	Efficiency	100.00%
Sources Flux	344.95 lm	Maximum value	443.04 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

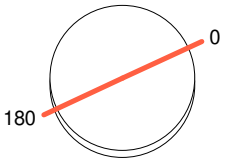
Round Luminaire	Diam. 70 mm	Height	80 mm
Round Luminous Area	Diam. 66 mm	Height	0 mm
Horizontal Luminous Area	0.003421 m2	Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.000828 m2
Coordinate system	CG	Symmetry Type	Rotosymmetrical
Date	18-07-2019	Maximum Gamma Angle	90
Measurement Distance	0.00	Measurement Flux	344.95 lm
Operator	qualitat	Rated Voltage	
Temperature	25.00 °C	Rated Current	
Humidity	60.00 %	Photocell	
Notes			

Luminaire Lamps

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	DE-0500-NEG	DE-0500-BLA	344.95	4.60	1

C.I.E.	57 86 97 100 100	D DIN 5040	A40
F UTE	1.00 D	B NBN	BZ 3

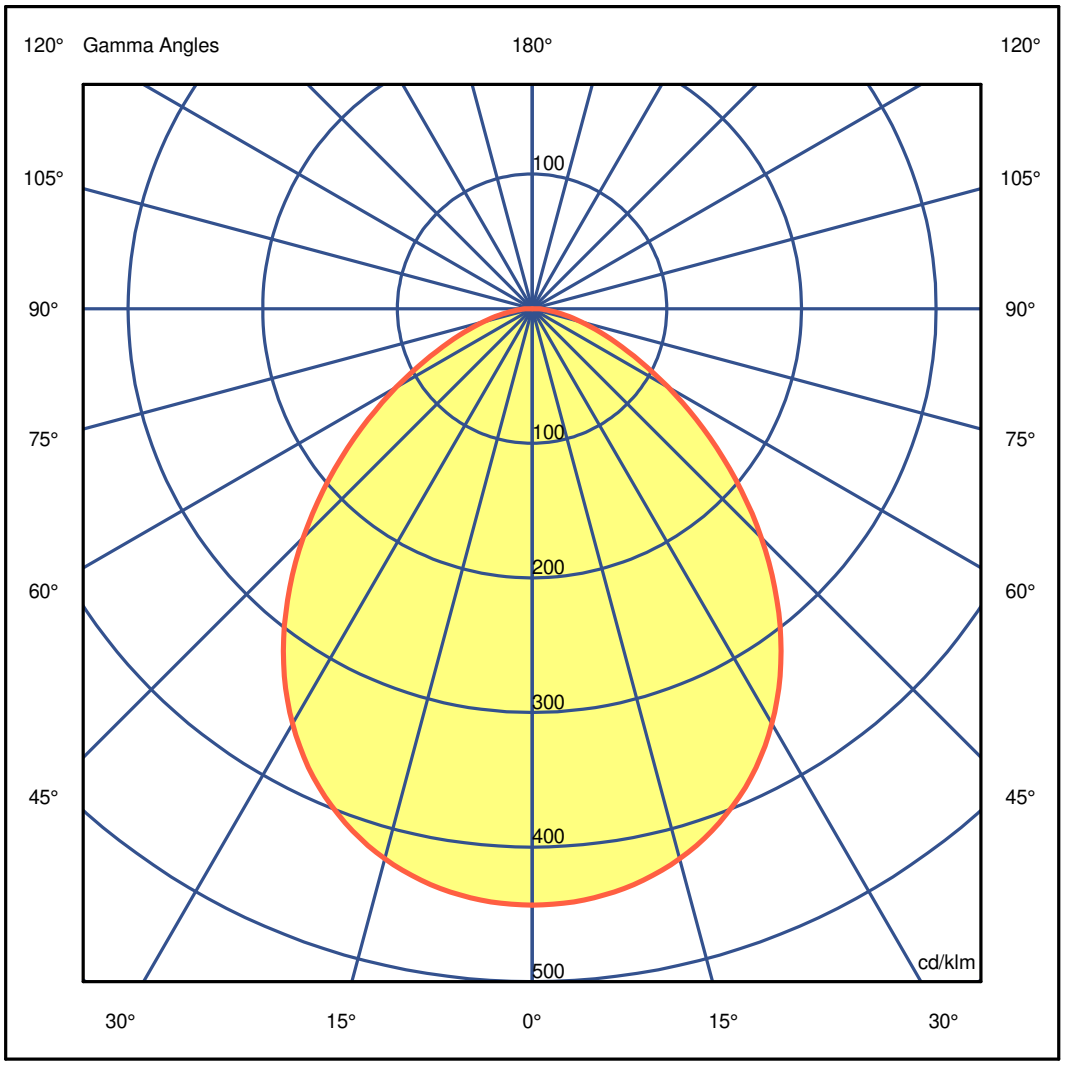
Diam=70mm



C Halfplanes

180.0 0.0

ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



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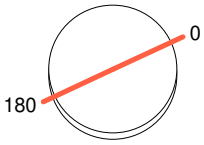
Luminous Intensity Table cd/klm **Table 1/1**

	C 0.00		C 0.00
G 0.0	443.04	G 46.0	231.91
G 1.0	442.96	G 47.0	223.24
G 2.0	442.71	G 48.0	214.50
G 3.0	442.28	G 49.0	205.80
G 4.0	441.67	G 50.0	197.02
G 5.0	440.89	G 51.0	188.45
G 6.0	439.97	G 52.0	179.81
G 7.0	438.80	G 53.0	171.43
G 8.0	437.51	G 54.0	163.05
G 9.0	436.03	G 55.0	154.92
G 10.0	434.36	G 56.0	146.88
G 11.0	432.51	G 57.0	139.08
G 12.0	430.41	G 58.0	131.52
G 13.0	428.17	G 59.0	123.97
G 14.0	425.65	G 60.0	116.60
G 15.0	422.99	G 61.0	109.32
G 16.0	420.06	G 62.0	102.44
G 17.0	416.98	G 63.0	95.72
G 18.0	413.64	G 64.0	89.38
G 19.0	410.11	G 65.0	83.37
G 20.0	406.37	G 66.0	77.69
G 21.0	402.34	G 67.0	72.35
G 22.0	398.18	G 68.0	67.22
G 23.0	393.69	G 69.0	62.41
G 24.0	389.11	G 70.0	57.73
G 25.0	384.17	G 71.0	53.34
G 26.0	379.06	G 72.0	49.15
G 27.0	373.65	G 73.0	45.16
G 28.0	367.99	G 74.0	41.34
G 29.0	362.13	G 75.0	37.70
G 30.0	355.98	G 76.0	34.27
G 31.0	349.70	G 77.0	30.96
G 32.0	343.03	G 78.0	27.87
G 33.0	336.29	G 79.0	24.93
G 34.0	329.16	G 80.0	22.19
G 35.0	321.91	G 81.0	19.61
G 36.0	314.36	G 82.0	17.21
G 37.0	306.69	G 83.0	14.98
G 38.0	298.85	G 84.0	12.96
G 39.0	290.79	G 85.0	11.15
G 40.0	282.75	G 86.0	9.60
G 41.0	274.42	G 87.0	8.35
G 42.0	266.13	G 88.0	7.39
G 43.0	257.62	G 89.0	6.68
G 44.0	249.18	G 90.0	6.18
G 45.0	240.54		

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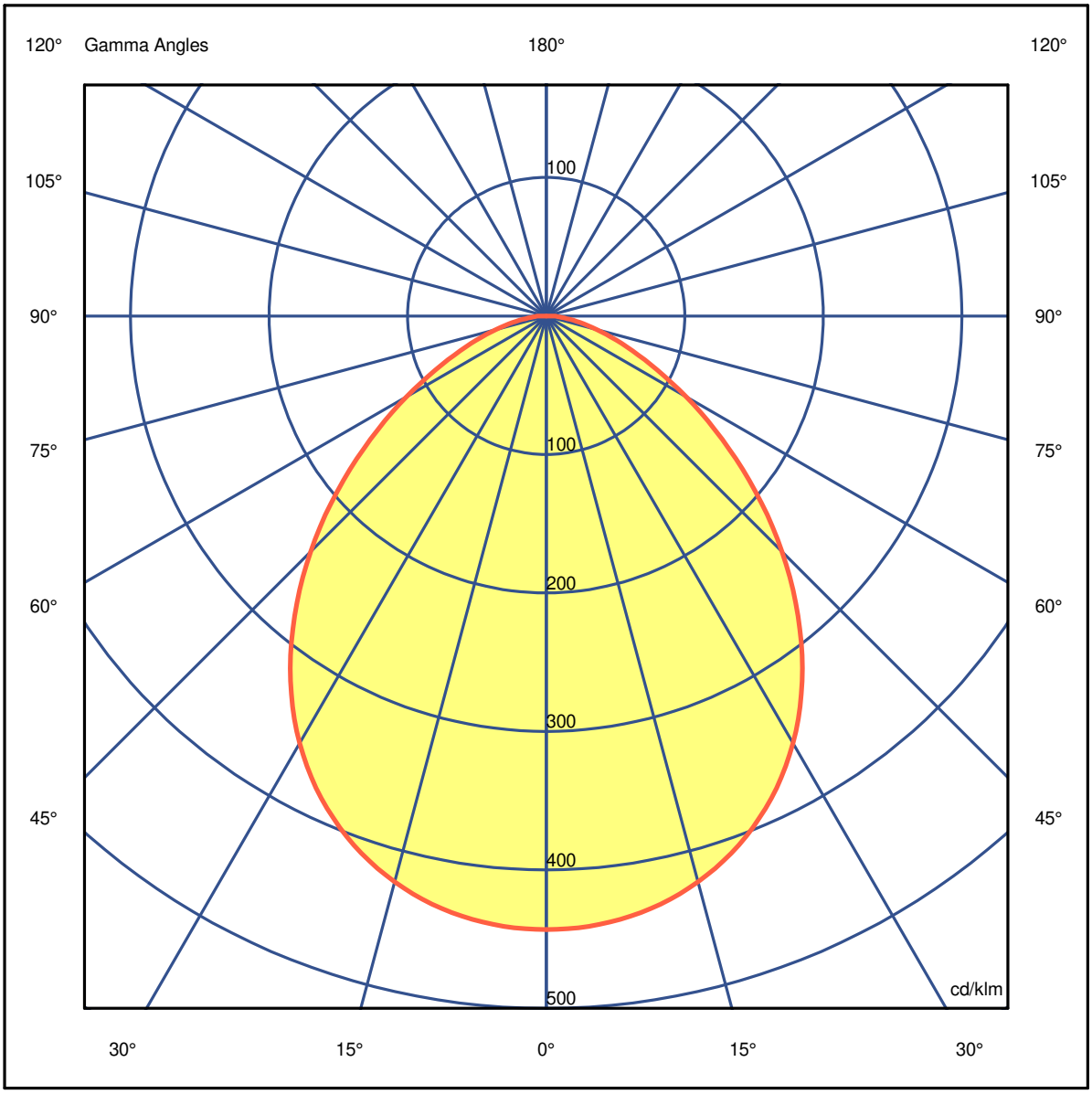
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Diam=70mm



C Halfplanes

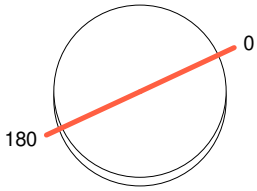




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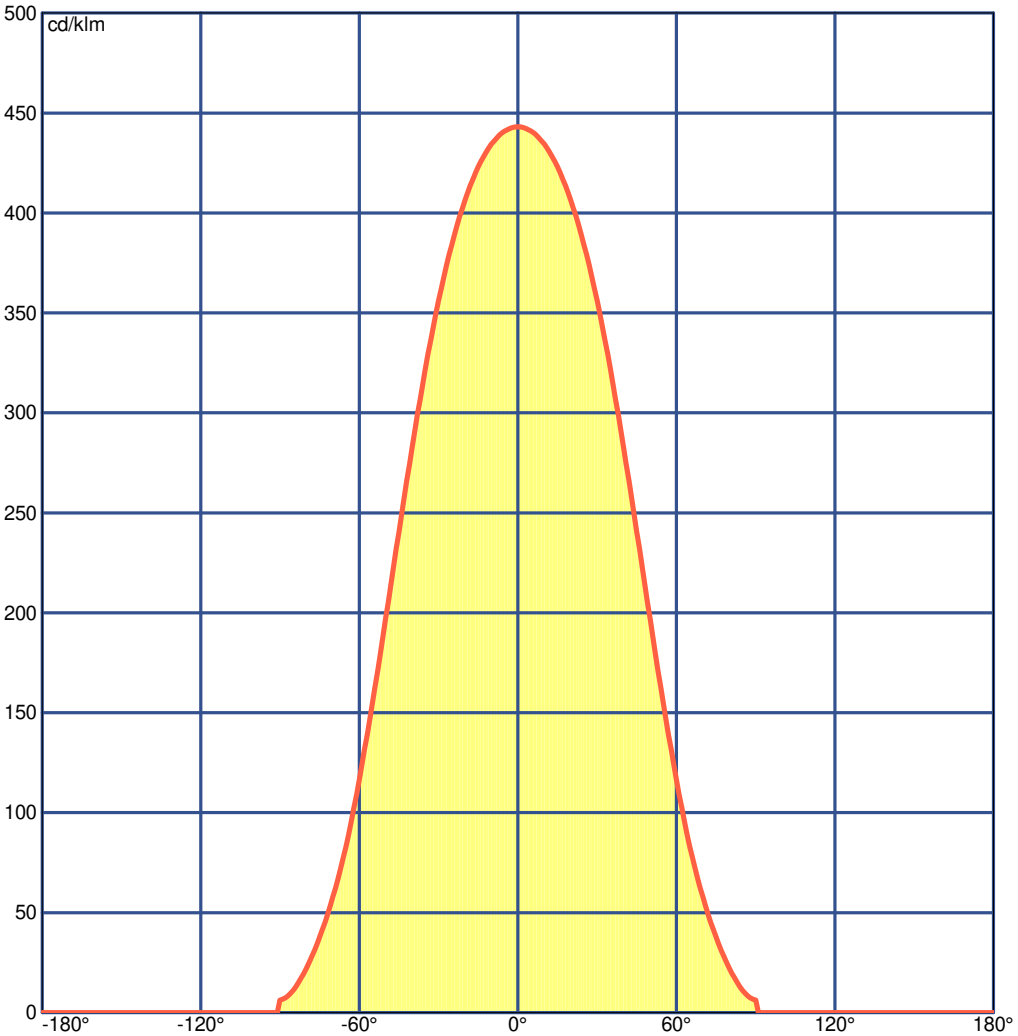
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UGR
S = 0.250

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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	23.5	24.7	23.8	24.9	25.1	23.5	24.7	23.8	24.9	25.1
x=2H y=3H	24.4	25.5	24.7	25.7	26.0	24.4	25.5	24.7	25.7	26.0
x=2H y=4H	24.7	25.7	25.1	26.0	26.3	24.7	25.7	25.1	26.0	26.3
x=2H y=6H	25.0	25.9	25.3	26.2	26.5	25.0	25.9	25.3	26.2	26.5
x=2H y=8H	25.1	26.0	25.4	26.3	26.6	25.1	26.0	25.4	26.3	26.6
x=2H y=12H	25.2	26.0	25.5	26.3	26.7	25.2	26.0	25.5	26.3	26.7
x=4H y=2H	24.0	25.0	24.3	25.3	25.5	24.0	25.0	24.3	25.3	25.5
x=4H y=3H	25.1	25.9	25.5	26.2	26.6	25.1	25.9	25.5	26.2	26.6
x=4H y=4H	25.5	26.3	25.9	26.6	27.0	25.5	26.3	25.9	26.6	27.0
x=4H y=6H	25.9	26.5	26.3	26.9	27.3	25.9	26.5	26.3	26.9	27.3
x=4H y=8H	26.0	26.6	26.4	27.0	27.4	26.0	26.6	26.4	27.0	27.4
x=4H y=12H	26.1	26.6	26.6	27.1	27.5	26.1	26.6	26.6	27.1	27.5
x=8H y=4H	25.7	26.3	26.2	26.7	27.1	25.7	26.3	26.2	26.7	27.1
x=8H y=6H	26.2	26.7	26.6	27.1	27.5	26.2	26.7	26.6	27.1	27.5
x=8H y=8H	26.4	26.8	26.9	27.3	27.7	26.4	26.8	26.9	27.3	27.7
x=8H y=12H	26.6	26.9	27.1	27.4	27.9	26.6	26.9	27.1	27.4	27.9
x=12H y=4H	25.7	26.3	26.2	26.7	27.1	25.7	26.3	26.2	26.7	27.1
x=12H y=6H	26.2	26.6	26.7	27.1	27.6	26.2	26.6	26.7	27.1	27.6
x=12H y=8H	26.5	26.8	26.9	27.3	27.8	26.5	26.8	26.9	27.3	27.8

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Total Flux=344.95 Luminaire Flux=344.95

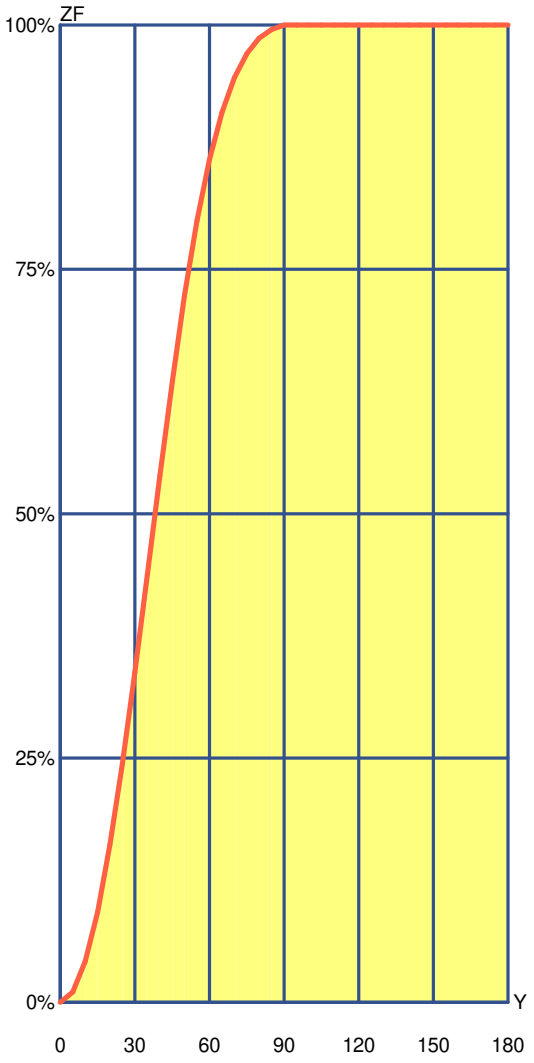
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.37	0.46	0.53	0.60	0.66	0.74	0.79	0.82	0.86	0.89	0.94	0.97
RC	4	4	4	4	3	3	3	3	3	3	3	4

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)	42	161	338	538	724	862	946	987	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes
57 86 97 100 100

C.I.E.	4/4/4/4/3/3/3/3/3/3/4	LOR	100.00000 %
D DIN 5040	A40	ULOR	0.00000 %
F UTE	1.00 D	DLOR	100.00000 %
B NBN	BZ 3	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°	10.57	10.57	1.06 %	1.06 %
10°	31.31	41.88	3.13 %	4.19 %
15°	50.86	92.74	5.09 %	9.27 %
20°	68.36	161.10	6.84 %	16.11 %
25°	82.93	244.03	8.29 %	24.40 %
30°	93.70	337.73	9.37 %	33.77 %
35°	99.86	437.58	9.99 %	43.76 %
40°	100.86	538.44	10.09 %	53.84 %
45°	96.83	635.27	9.68 %	63.53 %
50°	88.33	723.60	8.83 %	72.36 %
55°	76.33	799.92	7.63 %	79.99 %
60°	62.54	862.46	6.25 %	86.25 %
65°	48.26	910.71	4.83 %	91.07 %
70°	35.43	946.15	3.54 %	94.61 %
75°	24.73	970.87	2.47 %	97.09 %
80°	15.83	986.70	1.58 %	98.67 %
85°	8.85	995.54	0.88 %	99.55 %
90°	4.46	1000.00	0.45 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

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Utilizations CIE

Mounting Direct Normalization Normalised Suspension Ratio 1/3 Standard CIE Settings

Ceiling

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	208	187	158	143	178	136	109	92	81	69	44	33	17	12	65	36	31	14	11	30	12	10	0
0.80	241	221	167	154	210	147	137	120	93	81	53	42	24	17	76	44	40	20	17	38	17	15	0
1.00	263	245	168	157	233	150	160	143	98	88	60	49	30	23	83	51	47	26	22	44	23	20	0
1.25	283	266	165	156	253	150	184	167	103	94	66	56	37	29	88	57	53	32	28	51	29	26	0
1.50	297	282	161	154	269	148	203	186	105	97	71	62	43	35	92	62	59	38	34	56	34	31	0
2.00	316	303	151	146	289	141	232	217	106	100	77	69	52	45	95	69	66	48	43	63	44	40	0
2.50	328	318	144	140	303	136	253	239	107	102	81	75	60	53	97	75	72	55	51	69	51	48	0
3.00	337	328	138	135	313	132	268	256	107	102	85	79	66	59	98	78	76	61	57	73	57	53	0
4.00	350	342	132	130	328	127	291	280	107	104	90	85	74	68	100	84	82	69	66	79	65	62	0
5.00	358	352	129	127	337	124	306	297	108	105	93	89	79	74	101	88	86	75	72	83	71	68	0
10.00	376	373	120	119	358	117	340	334	108	107	100	97	92	89	104	96	95	88	86	92	85	82	0
20.00	385	384	115	115	369	113	359	356	108	108	104	102	99	97	105	100	100	96	95	97	93	91	0

Wall

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	438	427	375	367	420	363	331	324	293	288	245	241	211	209	285	242	240	210	209	239	209	209	188
0.80	488	476	403	395	467	390	380	371	325	320	279	274	244	242	316	274	272	243	241	271	241	240	216
1.00	518	506	415	408	495	402	413	403	344	338	300	295	266	263	333	294	292	264	262	290	262	260	233
1.25	544	532	422	416	519	410	443	432	358	353	318	312	286	282	346	311	309	282	280	306	280	278	247
1.50	562	552	425	421	536	414	466	455	367	363	330	325	300	296	355	323	321	296	294	317	293	290	257
2.00	578	568	418	414	550	407	490	479	370	366	339	334	313	308	358	331	329	308	305	324	303	300	263
2.50	586	578	411	408	558	401	505	495	370	367	344	339	321	316	358	335	333	315	312	327	309	305	265
3.00	591	583	404	402	561	395	515	505	368	365	345	340	324	320	356	336	334	318	315	328	312	307	265
4.00	604	598	403	401	574	394	536	528	373	370	354	350	337	332	361	344	342	329	327	335	322	316	271
5.00	616	611	405	403	585	397	553	545	379	377	363	359	348	344	366	352	351	339	337	343	332	325	278
10.00	647	644	415	415	616	408	596	592	398	397	388	386	379	376	385	377	376	369	367	366	359	350	300
20.00	665	664	421	421	633	414	622	620	409	408	403	402	398	396	396	391	391	387	386	380	376	366	313

Working Pl.

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	644	632	601	592	624	587	516	508	497	491	436	431	392	390	488	432	430	390	389	429	389	389	373
0.80	751	737	692	683	726	675	618	608	590	583	528	523	482	479	577	522	520	480	478	518	478	477	460
1.00	834	820	760	752	805	743	702	690	664	657	605	598	559	555	649	597	594	555	553	591	553	551	535
1.25	910	896	820	813	877	803	781	768	732	725	676	669	632	627	715	667	664	627	625	659	623	620	605
1.50	966	952	863	856	930	845	840	827	781	774	729	722	687	681	763	718	715	681	678	710	676	672	657
2.00	1000	1000	921	916	1000	905	930	916	852	847	809	801	772	765	833	796	793	764	760	785	757	751	737
2.50	1000	1000	957	952	1000	941	988	975	897	892	859	852	827	820	877	845	842	817	813	833	808	801	788
3.00	1000	1000	980	977	1000	965	1000	1000	927	923	895	888	866	859	907	879	876	854	850	866	844	836	823
4.00	1000	1000	1000	1000	1000	993	1000	1000	963	959	936	930	912	905	942	919	917	899	895	904	887	876	864
5.00	1000	1000	1000	1000	1000	1000	1000	1000	984	981	961	956	940	934	962	943	941	926	922	927	912	900	889
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	998	1000	994	993	983	981	975	966	951	940
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	997	979	969

LM53 SHR C0-C180: 1.190 SHR C90-C270: 1.190 SHR Square: 1.265

Luminaire
Code DE-0500-NEG
Name TENDER
Measurem.
Code DE-0500-NEG
Name TENDER

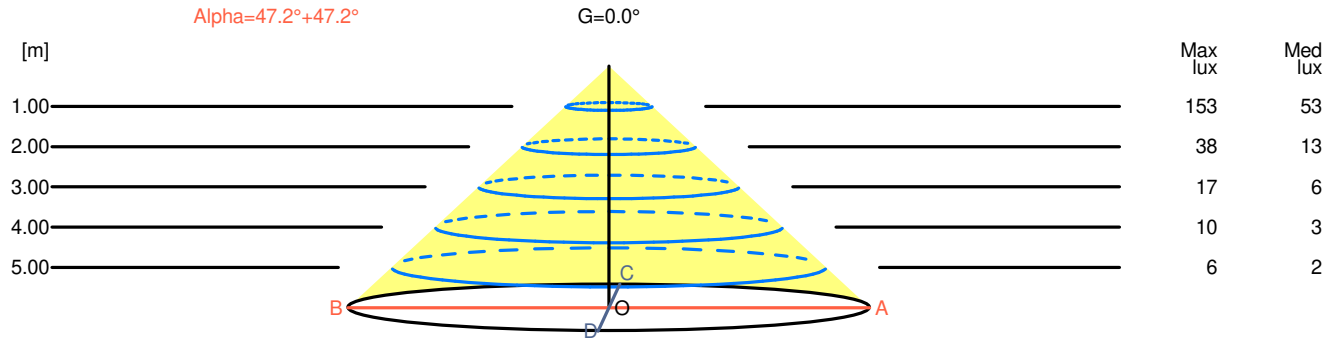
Luminaire Flux	344.95 lm	Luminaire Power	4.60 W	Efficacy	74.99 lm/W	Efficiency	100.00%
Sources Flux	344.95 lm	Maximum value	443.04 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	1.08	2.16	3.24	4.32	5.40	OC	1.08	2.16	3.24	4.32	5.40
OB	1.08	2.16	3.24	4.32	5.40	OD	1.08	2.16	3.24	4.32	5.40

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	152.83	152.08	145.91	132.52	111.04	82.97	53.44	28.76	13.01	3.85
OB	152.83	152.08	145.91	132.52	111.04	82.97	53.44	28.76	13.01	3.85
OC	152.83	152.08	145.91	132.52	111.04	82.97	53.44	28.76	13.01	3.85
OD	152.83	152.08	145.91	132.52	111.04	82.97	53.44	28.76	13.01	3.85



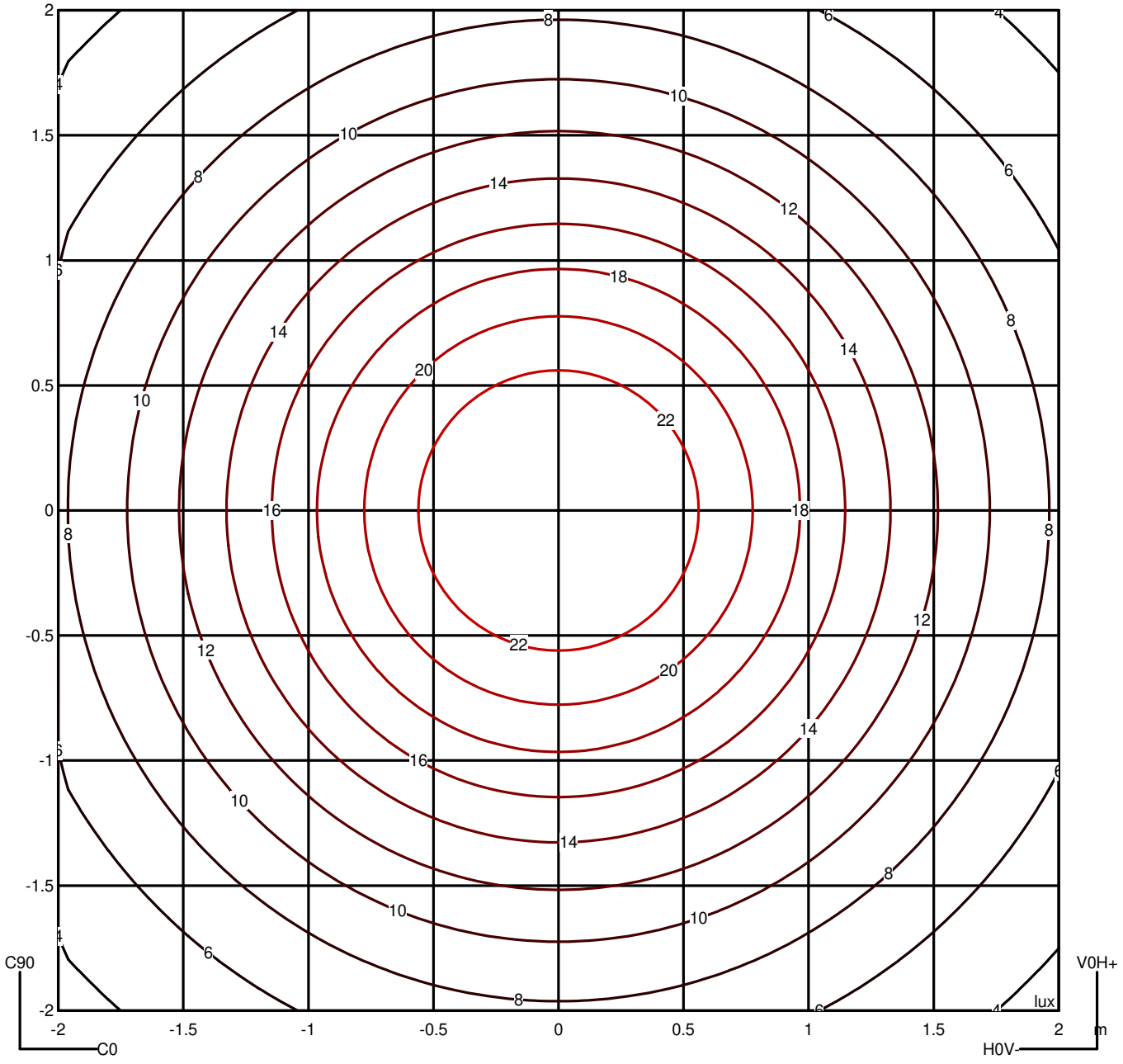
H[m]	D[m]	Max lux	Med lux	Alpha=47.2°+47.2° G=0.0
1.00	2.16	153	53	
2.00	4.32	38	13	
3.00	6.48	17	6	
4.00	8.64	10	3	
5.00	10.80	6	2	

Luminaire
Code DE-0500-NEG
Name TENDER
Measurem.
Code DE-0500-NEG
Name TENDER

Luminaire Flux	344.95 lm	Luminaire Power	4.60 W	Efficacy	74.99 lm/W	Efficiency	100.00%
Sources Flux	344.95 lm	Maximum value	443.04 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Isolux (Floor)

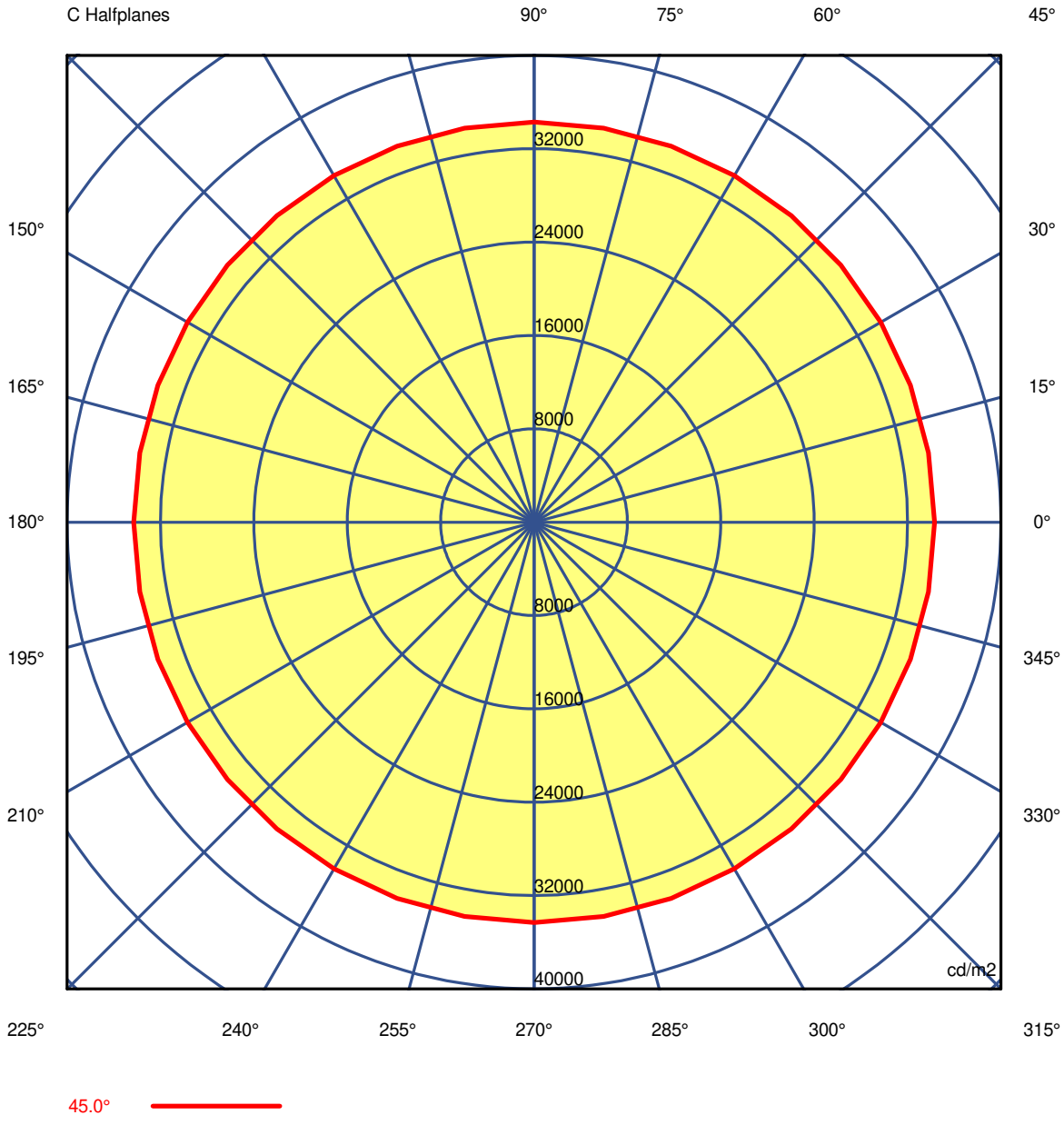
Luminaire position X=0.00m Y=0.00m Z=2.50m



Luminaire
Code DE-0500-NEG
Name TENDER
Measurem.
Code DE-0500-NEG
Name TENDER

Luminaire Flux	344.95 lm	Luminaire Power	4.60 W	Efficacy	74.99 lm/W	Efficiency	100.00%
Sources Flux	344.95 lm	Maximum value	443.04 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminance



Luminaire
Code DE-0500-NEG
Name TENDER
Measurem.
Code DE-0500-NEG
Name TENDER

Luminaire Flux	344.95 lm	Luminaire Power	4.60 W	Efficacy	74.99 lm/W	Efficiency	100.00%
Sources Flux	344.95 lm	Maximum value	443.04 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminance cd/m2 **Table 1/3**

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05
G 5.0	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32
G 10.0	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14
G 15.0	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96
G 20.0	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63
G 25.0	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82
G 30.0	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12
G 35.0	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87
G 40.0	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94
G 45.0	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98
G 50.0	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74
G 55.0	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73
G 60.0	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62
G 65.0	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91
G 70.0	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96
G 75.0	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61
G 80.0	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60
G 85.0	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
Code DE-0500-NEG
Name TENDER
Measurem.
Code DE-0500-NEG
Name TENDER

Luminaire Flux	344.95 lm	Luminaire Power	4.60 W	Efficacy	74.99 lm/W	Efficiency	100.00%
Sources Flux	344.95 lm	Maximum value	443.04 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminance cd/m2 **Table 2/3**

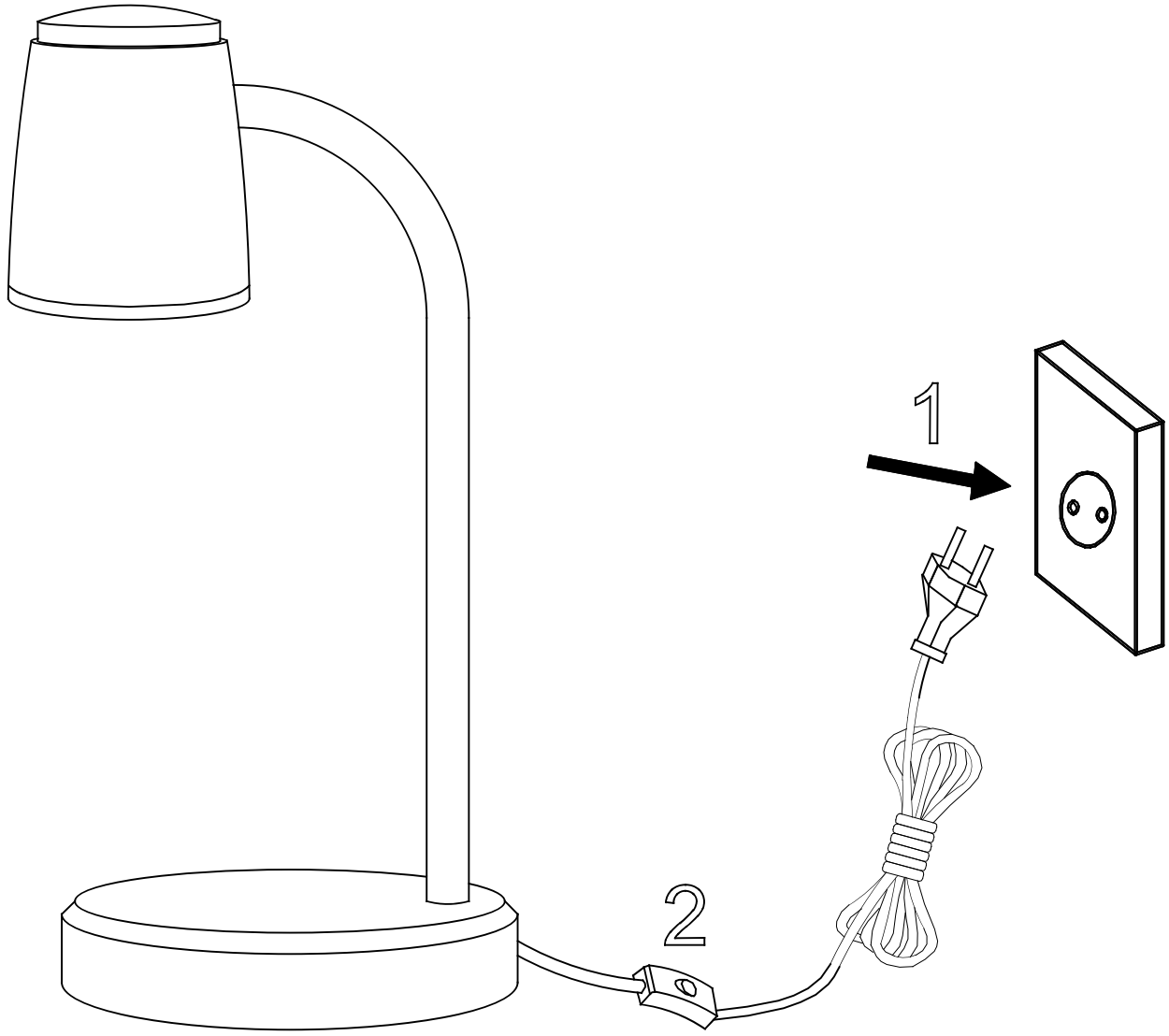
	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05
G 5.0	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32
G 10.0	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14
G 15.0	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96
G 20.0	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63
G 25.0	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82
G 30.0	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12
G 35.0	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87
G 40.0	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94
G 45.0	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98
G 50.0	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74
G 55.0	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73
G 60.0	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62
G 65.0	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91
G 70.0	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96
G 75.0	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61
G 80.0	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60
G 85.0	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire
Code DE-0500-NEG
Name TENDER
Measurem.
Code DE-0500-NEG
Name TENDER

Luminaire Flux	344.95 lm	Luminaire Power	4.60 W	Efficacy	74.99 lm/W	Efficiency 100.00%
Sources Flux	344.95 lm	Maximum value	443.04 cd/klm	Position	C=0.00 G=0.00	CG Rotosymmetrical

Luminance cd/m2 **Table 3/3**

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05	44671.05
G 5.0	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32	44623.32
G 10.0	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14	44471.14
G 15.0	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96	44152.96
G 20.0	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63	43602.63
G 25.0	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82	42738.82
G 30.0	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12	41445.12
G 35.0	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87	39622.87
G 40.0	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94	37215.94
G 45.0	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98	34298.98
G 50.0	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74	30904.74
G 55.0	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73	27232.73
G 60.0	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62	23512.62
G 65.0	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91	19890.91
G 70.0	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96	17018.96
G 75.0	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61	14688.61
G 80.0	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60	12886.60
G 85.0	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81	12895.81
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00


1
2