



*Imágenes a título ilustrativo

LÁMPARA LED HIGHBAY

100 W

Certificación
Seguridad Eléctrica



Luz fría
6000K

HIGHBAY 100W

LÁMPARA LED

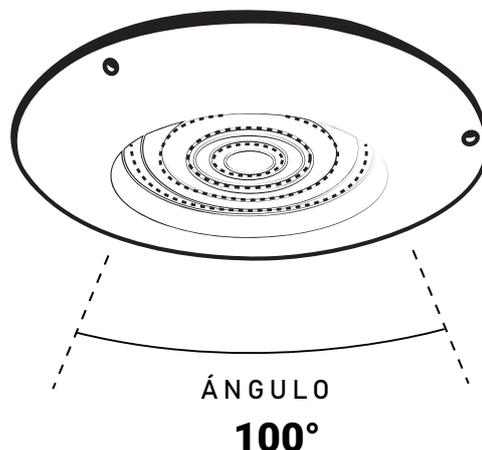
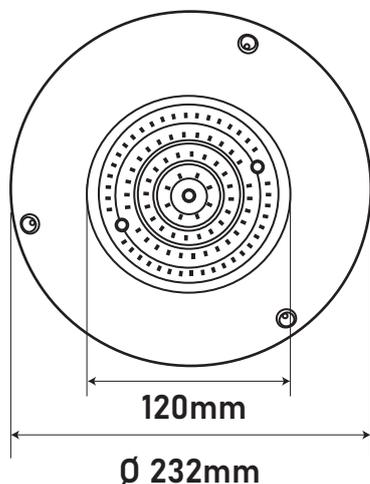
Lámpara Led para depósitos, galpones y grandes superficies.

 Potencia **100W**
Voltaje **AC100 - 240Vca**

 Luz fría
6000K

LM 100 LM/W

 Flujo luminoso
10.000 LM



ESPECIFICACIONES TÉCNICAS

MODELO	IM2201004	TEMPERATURA DE TRABAJO	-20°+40°
POTENCIA	100W	TEMPERATURA LUZ	Fría 6000K
LÚMENES POR WATT	100 lm x W	FACTOR DE POTENCIA	0.95
FLUJO LUMINOSO	10.000	EFICIENCIA ENERGÉTICA	A+
VOLTAJE	AC100-240Vca	PROTECCIÓN IP	IP65
FRECUENCIA	50 hz	FACTOR IK	IK08
ÁNGULO	100°	MATERIAL DEL CUERPO	Aluminio
CRI	>80	MATERIAL DEL LENTE	Polycarbonato
VIDA ÚTIL	15.000 hs	TIPO DE CHIP	SMD2835 - 96Pcs
VIDA ÚTIL (ON/OFF)	15.000 maniobras	CLASE	I
TAMAÑO DE LA LÁMPARA	Ø232x39mm	SECCIÓN DEL CABLE	Tipo Taller Siliconado 3x0,75
PESO DE LA LÁMPARA	0,715kg	CHICOTE	30 cm de Cable
		GARANTÍA	2 años

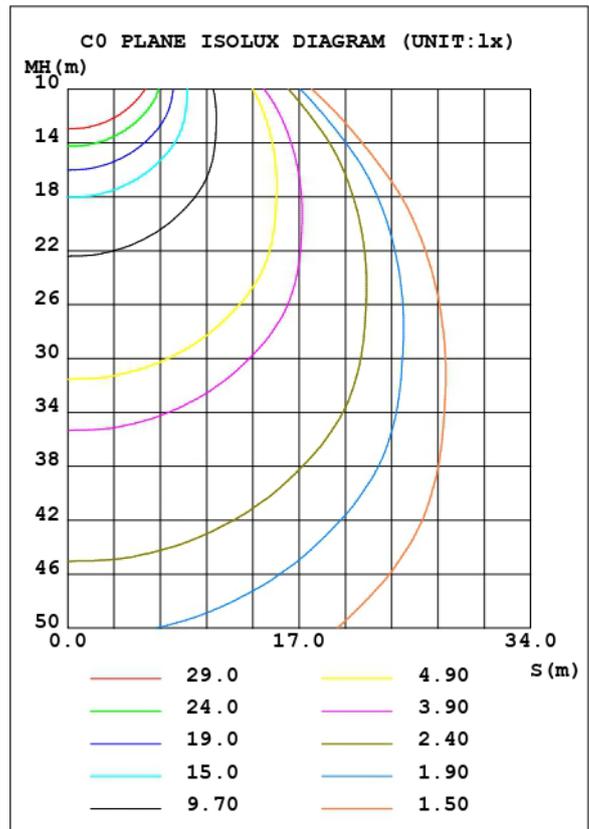
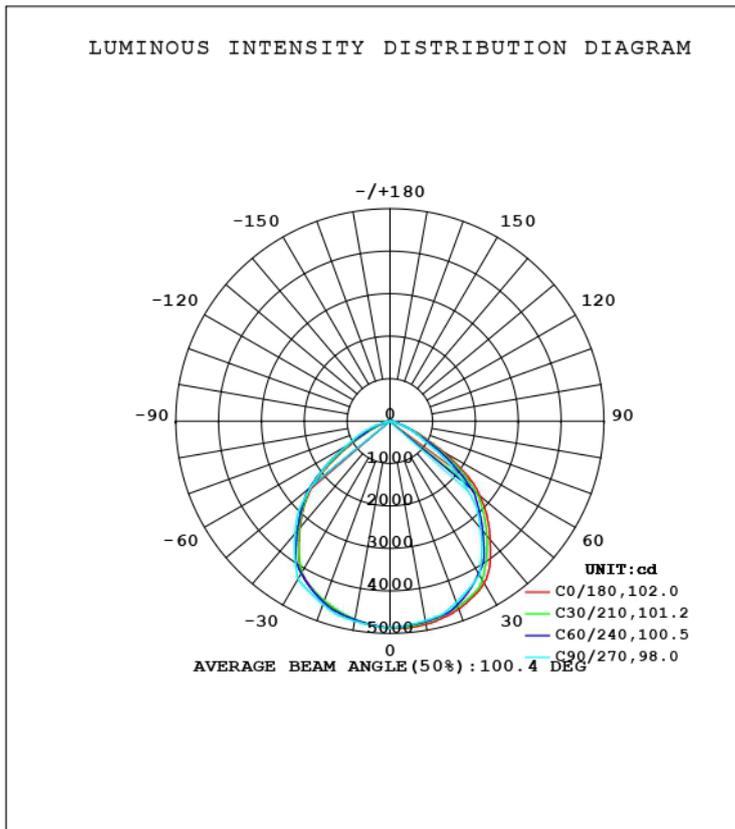
PRECAUCIONES

- La instalación de la luminaria debe ser realizada por personal técnico calificado.
- Trabaje solo bajo condiciones seguras (con el módulo y herramientas adecuadas).
- No reemplazar o remover luminarias sin antes realizar la desconexión de la alimentación.
- La luminaria no debe ser utilizada sin todas las cubiertas colocadas en su correcta posición.
- No conecte esta luminaria mientras está en su embalaje.

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.1V I:0.4164A P:94.04W PF:0.9856 Lamp Flux:10956.3x1 lm		
NAME: HIGHBAY 100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.51 lm/W			
MODEL		I _{max} (cd)	4884	S/MH (C0/180)	1.25
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	10956	η UP, DN (C0-180)	0.0, 49.0
NOMINAL FLUX (lm)	10956.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 51.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 30 January 2024

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.350
Humidity: 55.0%
Test Distance: 8.852m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	4884	4840	4821	4807	4835	4811	4826	4844	0- 5	115.8	115.8	1.06,1.06
10	4856	4797	4768	4731	4762	4738	4779	4804	5- 10	343.5	459.3	4.19,4.19
15	4793	4738	4716	4637	4651	4647	4731	4748	10- 15	562.1	1021	9.32,9.32
20	4707	4656	4538	4528	4508	4538	4587	4680	15- 20	765.1	1786	16.3,16.3
25	4571	4446	4360	4281	4332	4327	4443	4509	20- 25	942.4	2729	24.9,24.9
30	4402	4156	4182	3963	4116	4044	4299	4274	25- 30	1088	3817	34.8,34.8
35	4082	3818	3739	3601	3714	3696	3876	3963	30- 35	1182	4999	45.6,45.6
40	3639	3451	3296	3220	3273	3322	3453	3592	35- 40	1204	6203	56.6,56.6
45	3216	2998	2853	2719	2846	2865	3030	3158	40- 45	1177	7380	67.4,67.4
50	2749	2482	2211	2160	2348	2344	2409	2686	45- 50	1094	8473	77.3,77.3
55	2151	1901	1568	1578	1632	1766	1788	2152	50- 55	924.1	9398	85.8,85.8
60	1416	1299	925.9	1032	932.1	1170	1166	1470	55- 60	681.6	10079	92,92
65	804.9	750.5	652.5	540.5	492.3	637.8	824.1	873.2	60- 65	433.4	10513	96,96
70	355.6	375.4	379.0	253.0	199.8	299.5	481.7	451.8	65- 70	254.5	10767	98.3,98.3
75	143.7	204.3	105.6	138.1	86.75	167.5	139.4	242.5	70- 75	129.0	10896	99.5,99.5
80	73.42	61.03	0	45.92	48.74	55.63	0	70.38	75- 80	47.88	10944	99.9,99.9
85	32.35	0	0	0	12.72	0	0	0	80- 85	11.13	10955	100,100
90	8.491	0	0	0	4.302	0	0	0	85- 90	1.202	10956	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

Conical surface Flux(90deg): 7380 lm

%lum = 67.4%
%lamp = 67.4%

Conical surface Flux(120deg): 10079 lm

%lum = 92.0%
%lamp = 92.0%

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C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:30 January 2024

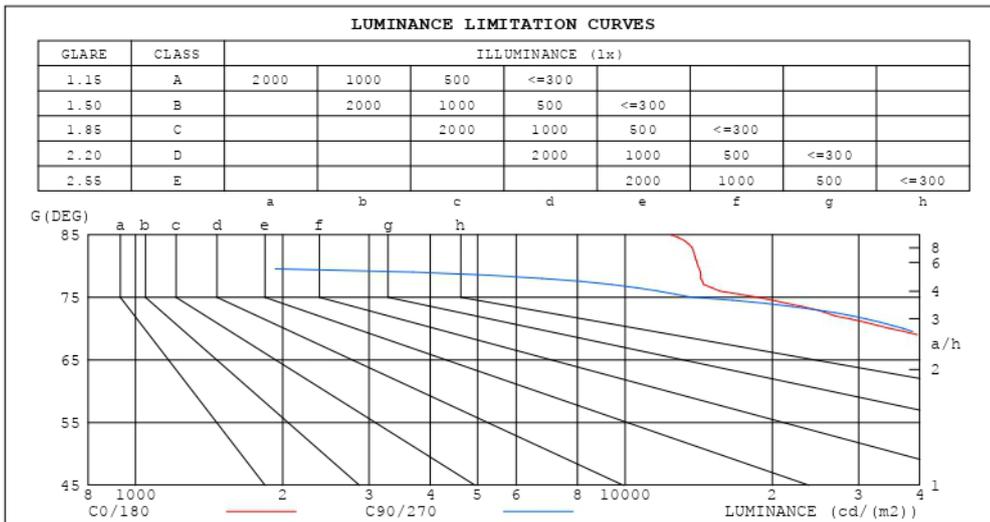
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γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
Humidity:55.0%
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Remarks:

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LUMINANCE LIMITATION CURVES

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SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12372	0
80	14093	0
75	18503	13596
70	34655	36940
65	63484	51463
60	94394	61729
55	124980	91141
50	142540	114638
45	151604	134491

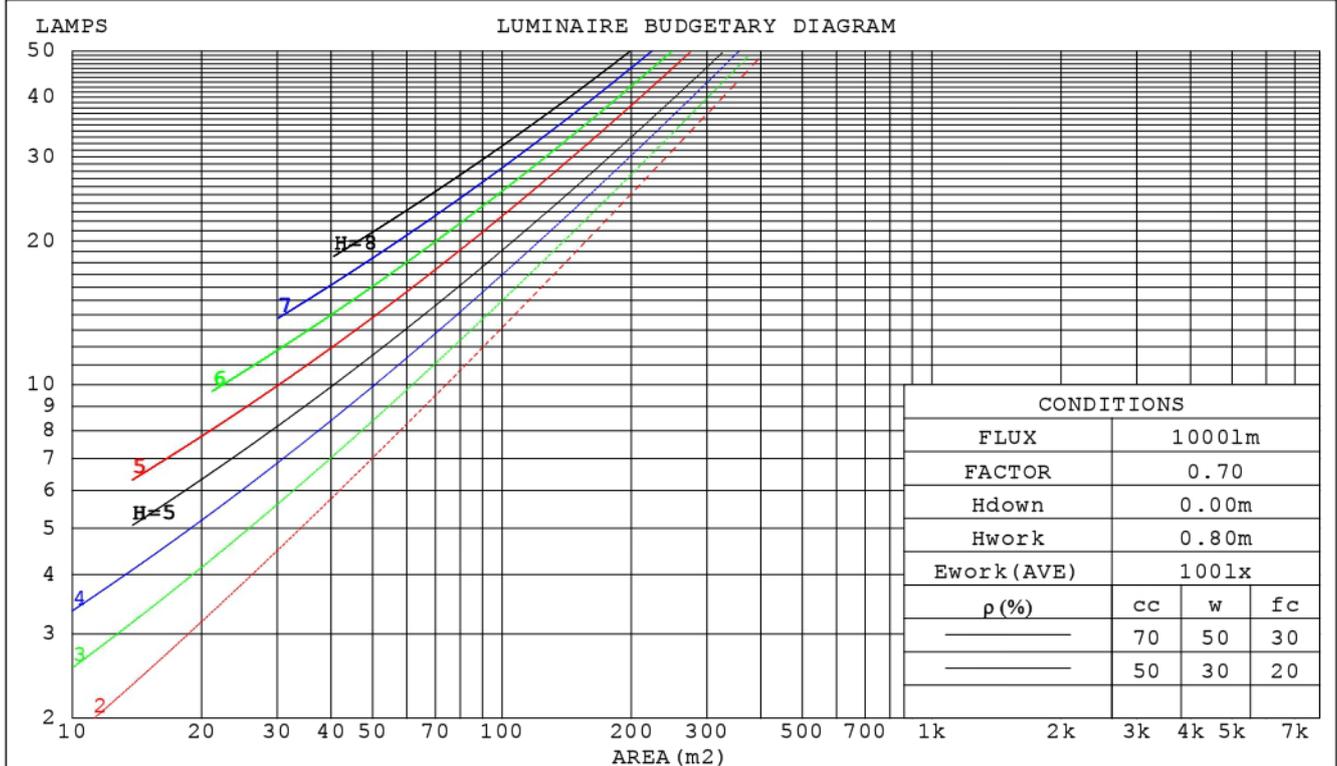
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 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.1V I:0.4164A P:94.04W PF:0.9856 Lamp Flux:10956.3x1 lm		
NAME: HIGHBAY 100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.94	.92	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.91	.86	.82	.87	.84	.81	.84	.81	.79	.77
3.0	.86	.79	.73	.84	.78	.72	.81	.76	.71	.79	.74	.70	.76	.72	.69	.67
4.0	.77	.69	.63	.76	.68	.63	.73	.67	.62	.71	.66	.61	.69	.64	.60	.58
5.0	.69	.61	.55	.68	.61	.55	.66	.60	.54	.64	.58	.54	.63	.57	.53	.51
6.0	.63	.55	.49	.62	.54	.49	.60	.53	.48	.59	.53	.48	.57	.52	.47	.46
7.0	.57	.49	.44	.56	.49	.43	.55	.48	.43	.54	.47	.43	.52	.47	.43	.41
8.0	.52	.45	.39	.52	.44	.39	.51	.44	.39	.49	.43	.39	.48	.43	.38	.37
9.0	.48	.41	.35	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.33
10.0	.45	.37	.32	.44	.37	.32	.43	.37	.32	.42	.36	.32	.41	.36	.32	.30



C Range: 0 - 360DEG
 C Interval: 5.0DEG
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 Temperature:25.3DEG
 Operators:
 Test Date:30 January 2024

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 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:55.0%
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 Remarks:

HIGHBAY 100W

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WEC AND CCEC

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NAME: :HIGHBAY 100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.245	.139	.044	.238	.136	.043	.225	.129	.041	.214	.123	.040	.203	.117	.038	
2.0	.241	.132	.040	.235	.129	.040	.224	.124	.039	.213	.120	.037	.204	.115	.036	
3.0	.230	.122	.037	.225	.120	.036	.215	.116	.035	.206	.113	.035	.197	.109	.034	
4.0	.218	.113	.033	.213	.111	.033	.204	.108	.032	.196	.105	.032	.189	.102	.031	
5.0	.205	.104	.030	.201	.103	.030	.193	.101	.030	.186	.098	.029	.179	.096	.029	
6.0	.193	.097	.028	.189	.096	.028	.183	.094	.027	.176	.092	.027	.170	.090	.027	
7.0	.182	.090	.026	.179	.089	.025	.173	.087	.025	.167	.086	.025	.161	.084	.025	
8.0	.172	.084	.024	.169	.083	.023	.163	.082	.023	.158	.080	.023	.153	.079	.023	
9.0	.162	.079	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022	.146	.074	.021	
10.0	.154	.074	.020	.151	.073	.020	.147	.072	.020	.143	.071	.020	.139	.070	.020	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.176	.157	.139	.150	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.165	.132	.104	.142	.114	.090	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.157	.114	.080	.134	.098	.069	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.149	.100	.063	.128	.087	.055	.088	.060	.039	.051	.035	.023	.016	.012	.007	
5.0	.142	.090	.051	.122	.078	.044	.084	.054	.031	.049	.032	.019	.016	.010	.006	
6.0	.135	.081	.042	.116	.070	.037	.080	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.129	.074	.035	.111	.064	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.123	.068	.030	.106	.059	.027	.073	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.027	.101	.055	.023	.070	.039	.016	.041	.023	.010	.013	.007	.003	
10.0	.113	.059	.023	.097	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:30 January 2024

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:55.0%
 Test Distance:8.852m [K=1.0000]
 Remarks:

HIGHBAY 100W

LÁMPARA LED

UGR(Unified Glare Rating) Table

Test:U:229.1V I:0.4164A P:94.04W PF:0.9856 Lamp Flux:10956.3x1 lm										
NAME: HIGHBAY 100W					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: 01.SHIER/SHISan					SUR.:			Shielding Angle:		
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
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	29.2	30.5	29.4	30.7	30.9	28.2	29.6	28.5	29.8	30.0
3H	29.4	30.6	29.7	30.9	31.1	28.5	29.8	28.8	30.0	30.2
4H	29.3	30.5	29.6	30.8	31.0	28.5	29.7	28.8	29.9	30.2
6H	29.3	30.4	29.6	30.6	30.9	28.4	29.5	28.8	29.8	30.1
8H	29.2	30.3	29.6	30.6	30.8	28.4	29.4	28.7	29.7	30.0
12H	29.2	30.2	29.5	30.5	30.8	28.3	29.3	28.7	29.6	29.9
4H 2H	29.3	30.5	29.6	30.7	31.0	28.5	29.7	28.8	29.9	30.2
3H	29.6	30.6	29.9	30.9	31.2	28.9	29.9	29.2	30.2	30.5
4H	29.6	30.5	29.9	30.8	31.1	28.9	29.8	29.3	30.1	30.5
6H	29.5	30.3	29.9	30.7	31.0	28.8	29.6	29.2	30.0	30.3
8H	29.5	30.2	29.9	30.6	31.0	28.8	29.5	29.2	29.9	30.3
12H	29.5	30.1	29.9	30.5	30.9	28.7	29.4	29.2	29.8	30.2
8H 4H	29.5	30.2	29.9	30.6	31.0	28.8	29.6	29.2	29.9	30.3
6H	29.5	30.1	29.9	30.5	30.9	28.8	29.4	29.2	29.8	30.2
8H	29.5	30.0	29.9	30.4	30.9	28.7	29.3	29.2	29.7	30.1
12H	29.4	29.9	29.9	30.3	30.8	28.7	29.1	29.2	29.6	30.1
12H 4H	29.5	30.1	29.9	30.5	30.9	28.8	29.5	29.2	29.9	30.3
6H	29.4	30.0	29.9	30.4	30.8	28.7	29.3	29.2	29.7	30.1
8H	29.4	29.9	29.9	30.3	30.8	28.7	29.1	29.2	29.6	30.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.7 / - 0.8				
1.5H	+ 0.5 / - 0.8					+ 0.5 / - 0.6				
2.0H	+ 1.5 / - 2.7					+ 1.6 / - 2.8				

CIE Pub.117 Corrected 10956 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.3)

C Range: 0 - 360DEG
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UTILIZATION FACTORS TABLE

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REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	53	47	63	53	47	62	53	47	41
0.80	74	64	58	73	64	58	72	63	57	51
1.00	83	74	67	82	73	67	80	74	67	60
1.25	90	81	75	89	81	75	86	79	74	68
1.50	94	86	81	93	86	80	90	84	79	73
2.00	100	94	88	99	92	88	96	90	86	79
2.50	103	97	92	102	96	92	98	93	90	82
3.00	106	101	96	104	99	95	100	96	93	86
4.00	109	105	101	107	103	100	103	100	97	89
5.00	111	107	104	109	105	102	104	102	99	91
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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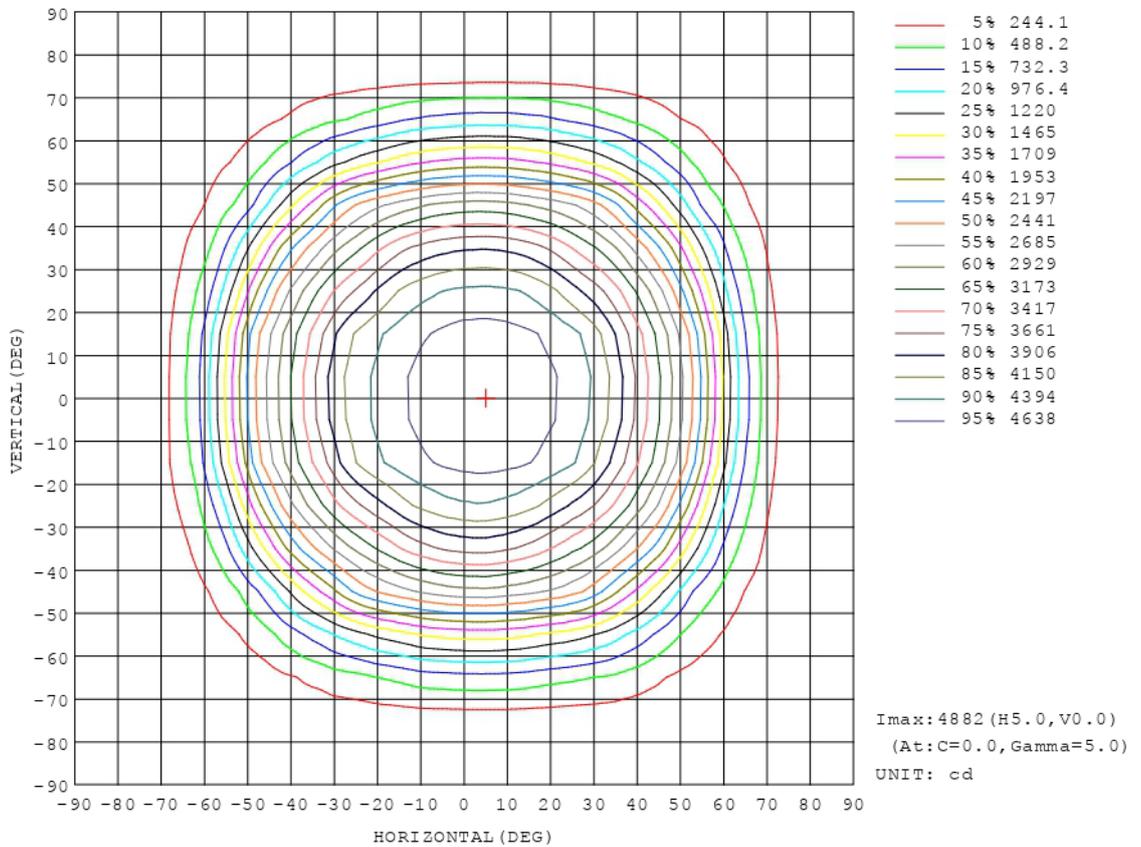
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ISOCANDELA DIAGRAM

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 Operators:
 Test Date: 30 January 2024

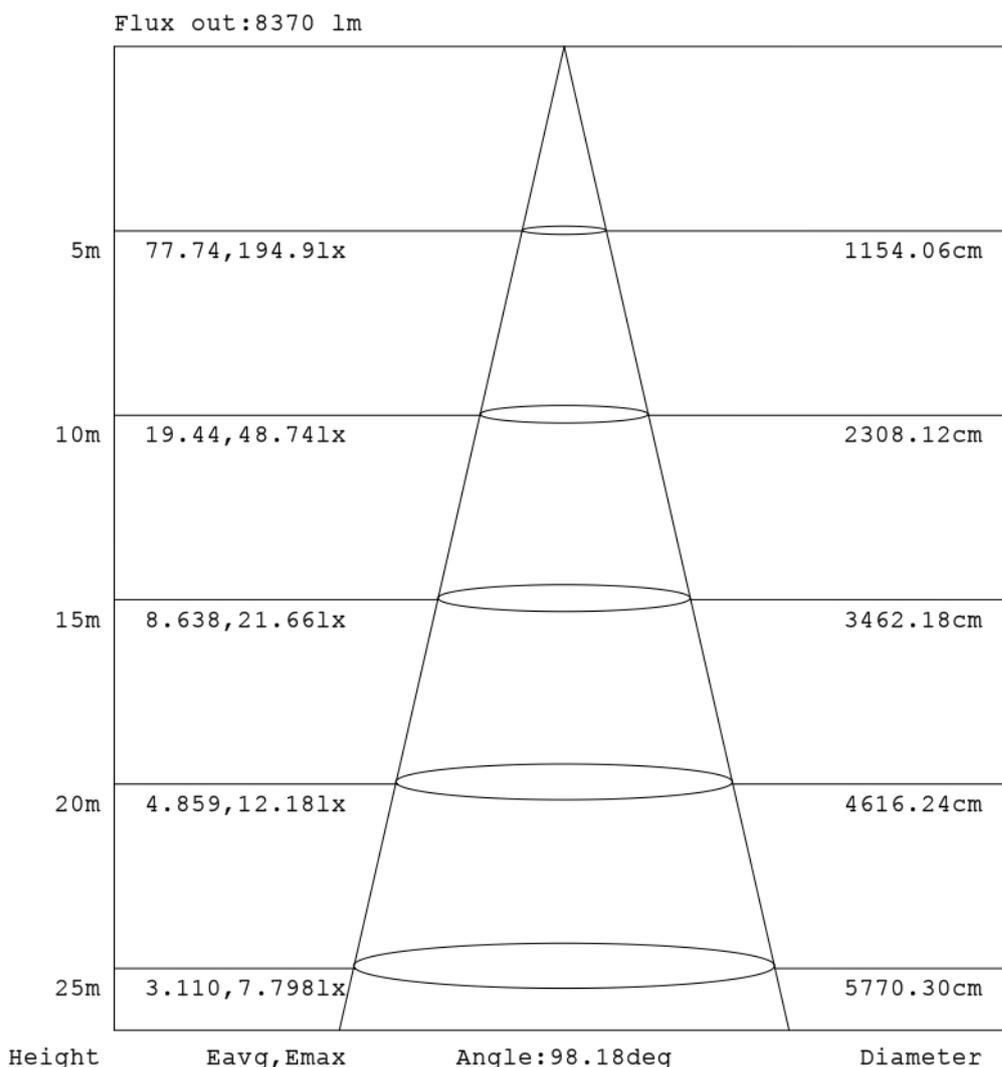
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity: 55.0%
 Test Distance: 8.852m [K=1.0000]
 Remarks:

HIGHBAY 100W

LÁMPARA LED

AAI Figure

Test:U:229.1V I:0.4164A P:94.04W PF:0.9856 Lamp Flux:10956.3x1 lm		
NAME: HIGHBAY 100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:30 January 2024

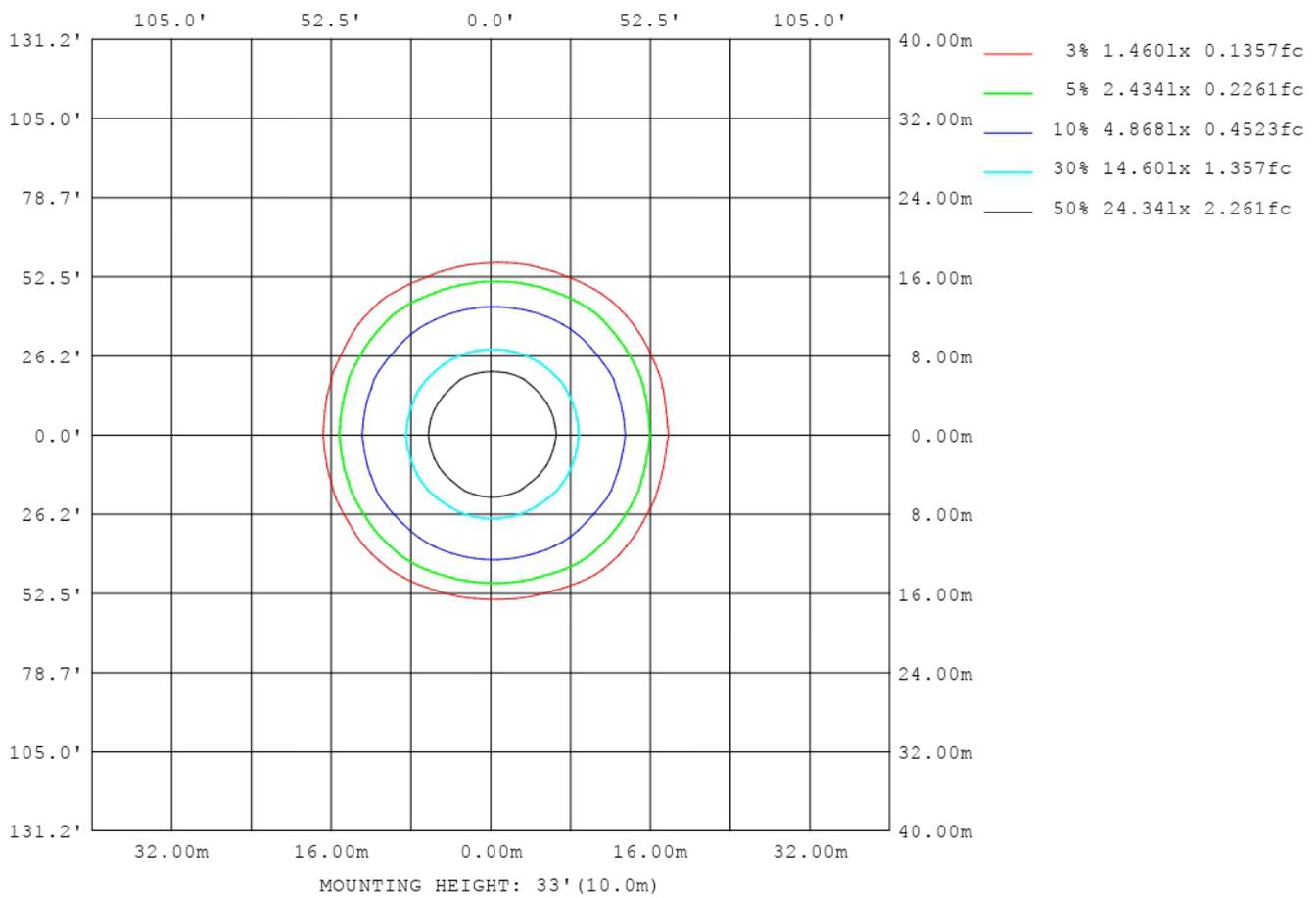
γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:55.0%
 Test Distance:8.852m [K=1.0000]
 Remarks:

HIGHBAY 100W

LÁMPARA LED

ISOLUX DIAGRAM

Test:U:229.1V I:0.4164A P:94.04W PF:0.9856 Lamp Flux:10956.3x1 lm		
NAME: HIGHBAY 100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 30 January 2024

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity: 55.0%
 Test Distance: 8.852m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:229.1V I:0.4164A P:94.04W PF:0.9856 Lamp Flux:10956.3x1 lm		
NAME: Highbay 100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

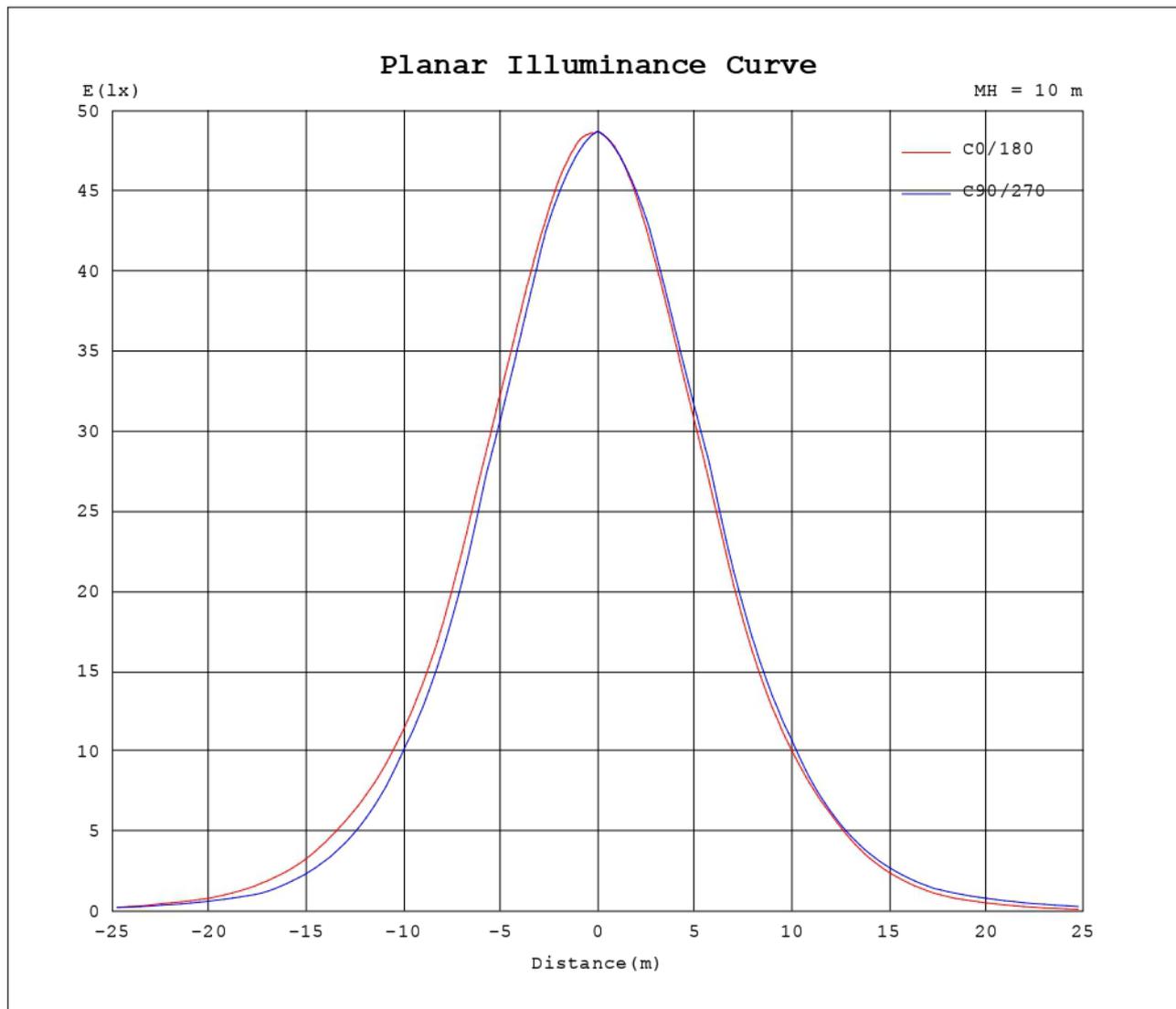
AvgL	cd/m2
L 0~180 (65) av	51156
L 0~180 (75) av	14838
L 0~180 (85) av	8618
L 90~270 (65) av	58231
L 90~270 (75) av	15772
L 90~270 (85) av	0
L 45 (65) av	55251
L 45 (75) av	24224
L 45 (85) av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:30 January 2024

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 30 January 2024

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.350
Humidity: 55.0%
Test Distance: 8.852m [K=1.0000]
Remarks:

HIGHBAY 100W

LÁMPARA LED

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:0.4164A P:94.04W PF:0.9856 Lamp Flux:10956.3x1 lm		
NAME: HIGHBAY 100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874
5	4884	4879	4874	4869	4864	4859	4854	4849	4844	4840	4837	4833	4830	4828	4823	4818	4815	4818	4821
10	4856	4847	4838	4829	4821	4814	4810	4807	4803	4797	4795	4794	4792	4784	4781	4778	4773	4765	4768
15	4793	4780	4769	4760	4753	4748	4746	4744	4742	4738	4734	4733	4734	4733	4734	4728	4728	4718	4716
20	4707	4689	4673	4661	4653	4649	4651	4653	4653	4656	4650	4625	4599	4587	4574	4568	4558	4549	4538
25	4571	4548	4531	4521	4519	4520	4528	4539	4484	4446	4421	4398	4394	4385	4385	4382	4381	4379	4360
30	4402	4355	4321	4306	4310	4331	4313	4247	4193	4156	4138	4145	4149	4163	4175	4190	4203	4203	4182
35	4082	4022	3983	3968	3978	3970	3927	3889	3856	3818	3808	3826	3832	3809	3800	3788	3775	3760	3739
40	3639	3586	3565	3572	3572	3538	3517	3508	3491	3451	3398	3384	3372	3364	3351	3335	3328	3315	3296
45	3216	3164	3151	3171	3121	3092	3097	3113	3051	2998	2974	2949	2937	2921	2908	2890	2889	2872	2853
50	2749	2690	2686	2668	2628	2639	2631	2538	2484	2482	2503	2526	2483	2397	2331	2288	2259	2234	2211
55	2151	2071	2080	2040	2017	2020	1985	1917	1894	1901	1914	1888	1814	1738	1677	1643	1613	1590	1568
60	1416	1353	1353	1322	1342	1311	1283	1270	1298	1299	1290	1239	1164	1084	1025	1001	970	944	926
65	805	747	742	729	742	720	703	752	765	750	705	654	646	646	645	665	667	661	652
70	356	361	367	367	354	374	364	346	323	375	408	427	412	402	393	396	392	385	379
75	144	137	135	141	158	149	149	170	187	204	209	203	182	162	144	130	118	109	106
80	73.4	71.5	71.0	71.4	71.3	71.3	79.6	81.3	74.2	61.0	48.9	38.0	28.3	19.7	12.7	7.20	3.19	0.79	0.00
85	32.3	30.6	32.9	32.6	29.6	15.0	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
90	8.49	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	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:30 January 2024

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:55.0%
 Test Distance:8.852m [K=1.0000]
 Remarks:

HIGHBAY 100W

LÁMPARA LED

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:0.4164A P:94.04W PF:0.9856 Lamp Flux:10956.3x1 lm		
NAME: HIGHBAY 100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	
0	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	
5	4818	4815	4812	4809	4807	4807	4807	4807	4807	4807	4809	4812	4815	4818	4822	4826	4831	4835	4831	
10	4762	4757	4752	4748	4745	4744	4737	4733	4731	4729	4728	4729	4730	4734	4739	4746	4754	4762	4754	
15	4707	4700	4692	4686	4673	4660	4654	4647	4637	4629	4624	4618	4618	4620	4624	4630	4639	4651	4639	
20	4531	4521	4517	4506	4503	4509	4513	4526	4528	4516	4500	4490	4482	4476	4477	4483	4493	4508	4494	
25	4349	4339	4316	4296	4286	4277	4269	4270	4281	4309	4357	4335	4317	4302	4296	4298	4311	4332	4315	
30	4164	4142	4107	4078	4048	4006	3970	3951	3963	3989	4028	4076	4073	4047	4032	4041	4070	4116	4083	
35	3722	3713	3696	3692	3679	3650	3629	3605	3601	3620	3640	3654	3667	3658	3643	3646	3668	3714	3680	
40	3279	3265	3247	3231	3213	3188	3179	3184	3220	3237	3226	3213	3222	3248	3237	3220	3233	3273	3242	
45	2839	2819	2795	2781	2761	2748	2734	2717	2719	2755	2815	2783	2769	2782	2827	2795	2802	2846	2815	
50	2203	2197	2196	2207	2243	2278	2260	2190	2160	2175	2214	2280	2236	2227	2291	2295	2285	2348	2312	
55	1560	1563	1560	1566	1598	1626	1626	1599	1578	1570	1566	1567	1589	1570	1576	1606	1579	1632	1601	
60	917	933	922	925	961	987	1025	1024	1032	992	919	941	951	926	903	929	910	932	921	
65	642	641	604	572	541	510	489	509	541	542	512	477	473	474	458	447	467	492	479	
70	374	375	359	347	332	323	305	283	253	194	215	226	223	202	200	205	200	200	201	
75	106	112	120	129	137	147	148	147	138	112	96.7	85.5	97.3	91.4	86.8	84.4	85.5	86.8	88.0	
80	0.77	3.02	6.64	11.5	17.3	24.0	31.1	38.4	45.9	51.8	49.1	46.3	45.8	47.0	45.4	47.0	47.0	48.7	49.8	
85	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	6.24	11.6	13.7	11.7	11.2	12.7	14.2
90	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	0.00	0.00	0.00	0.00	4.30	0.00	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:30 January 2024

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:55.0%
 Test Distance:8.852m [K=1.0000]
 Remarks:

HIGHBAY 100W

LÁMPARA LED

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:0.4164A P:94.04W PF:0.9856 Lamp Flux:10956.3x1 lm		
NAME: HIGHBAY 100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

Table--3

UNIT: cd

C (DEG) \ γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874
5	4827	4823	4819	4816	4814	4812	4811	4811	4811	4811	4811	4811	4814	4818	4822	4824	4826	4823	4821
10	4747	4741	4736	4732	4731	4732	4734	4738	4739	4742	4748	4753	4758	4762	4767	4777	4779	4776	4781
15	4631	4626	4624	4622	4624	4631	4639	4647	4655	4660	4670	4683	4692	4708	4715	4728	4731	4733	4739
20	4484	4479	4479	4484	4494	4503	4520	4538	4545	4542	4543	4541	4551	4556	4570	4578	4587	4592	4603
25	4306	4304	4309	4323	4340	4363	4334	4327	4329	4340	4357	4370	4383	4404	4415	4430	4443	4449	4464
30	4066	4067	4086	4117	4111	4069	4043	4044	4062	4102	4143	4181	4212	4239	4258	4284	4299	4306	4320
35	3673	3686	3720	3739	3727	3712	3690	3696	3738	3806	3839	3849	3849	3853	3859	3866	3876	3893	3919
40	3240	3267	3296	3287	3291	3315	3328	3322	3314	3339	3369	3394	3404	3415	3429	3439	3453	3474	3492
45	2822	2865	2846	2839	2867	2914	2876	2865	2874	2899	2924	2943	2960	2973	2998	3014	3030	3051	3063
50	2345	2352	2311	2353	2397	2339	2317	2344	2407	2464	2459	2418	2395	2384	2392	2396	2409	2435	2462
55	1656	1647	1668	1707	1705	1708	1725	1766	1822	1825	1807	1768	1756	1761	1769	1773	1788	1814	1844
60	962	957	997	1025	1028	1056	1129	1170	1183	1178	1146	1121	1117	1139	1145	1151	1166	1194	1223
65	488	491	505	537	525	589	637	638	613	604	625	675	716	766	792	808	824	840	853
70	214	234	230	255	269	266	255	300	349	386	393	416	431	454	465	471	482	491	505
75	89.4	93.9	109	109	105	126	145	168	182	185	176	167	155	147	140	136	139	143	157
80	52.1	52.6	54.0	54.0	56.3	63.5	63.2	55.6	46.8	37.3	28.5	20.4	13.5	8.09	3.81	0.99	0.00	1.04	4.28
85	15.6	17.7	14.6	8.36	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	0.00	0.00
90	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	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:30 January 2024

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:55.0%
 Test Distance:8.852m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:0.4164A P:94.04W PF:0.9856 Lamp Flux:10956.3x1 lm		
NAME: HIGHBAY 100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

Table--4

UNIT: cd

C (DEG) \ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874	4874				
5	4823	4827	4831	4833	4836	4840	4844	4848	4852	4857	4861	4866	4870	4875	4879				
10	4785	4790	4794	4799	4801	4803	4804	4809	4813	4816	4819	4826	4833	4840	4848				
15	4744	4746	4746	4747	4748	4749	4748	4749	4752	4752	4757	4762	4767	4773	4782				
20	4613	4619	4631	4643	4652	4670	4680	4675	4671	4667	4666	4665	4670	4680	4692				
25	4469	4476	4480	4488	4492	4499	4509	4530	4569	4553	4543	4540	4540	4544	4555				
30	4321	4321	4322	4305	4288	4274	4274	4283	4319	4366	4384	4365	4353	4355	4372				
35	3945	3977	4005	4028	4039	3994	3963	3962	3990	4029	4070	4068	4037	4026	4041				
40	3512	3532	3549	3568	3579	3578	3592	3615	3623	3629	3629	3645	3625	3603	3606				
45	3075	3084	3102	3121	3127	3134	3158	3191	3242	3207	3193	3198	3224	3186	3182				
50	2490	2526	2580	2652	2704	2698	2686	2674	2686	2759	2737	2721	2740	2730	2712				
55	1871	1904	1952	2006	2079	2130	2152	2087	2088	2122	2179	2129	2130	2155	2109				
60	1252	1288	1311	1361	1417	1464	1470	1470	1446	1439	1443	1460	1415	1423	1388				
65	857	864	836	811	787	833	873	890	879	838	796	825	782	782	764				
70	513	524	518	515	500	482	452	403	429	432	423	400	410	400	373				
75	174	193	211	221	236	246	243	228	212	181	178	182	169	150	146				
80	9.73	17.0	25.9	33.1	43.8	56.4	70.4	85.6	97.8	94.8	85.7	78.7	77.5	76.4	74.8				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.3	35.0	36.6	36.9	34.8				
90	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	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:30 January 2024

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
 Humidity:55.0%
 Test Distance:8.852m [K=1.0000]
 Remarks: