



*Imágenes a título ilustrativo

LÁMPARA LED HIGH BAY

150 W

Certificación
Seguridad Eléctrica



Luz fría
6000K

HIGHBAY 100W

LÁMPARA LED

Lámpara Led para depósitos, galpones y grandes superficies.



Potencia **150W**
Voltaje **AC100 - 240Vca**

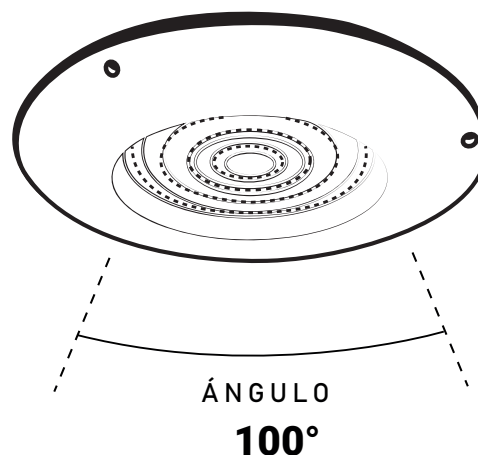
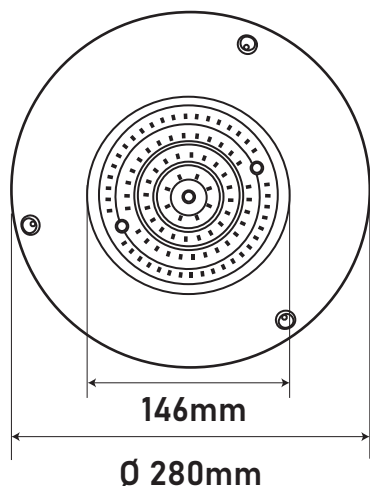


Luz fría
6000K

LM 100 LM/W



Flujo luminoso
15.000 LM



ESPECIFICACIONES TÉCNICAS

MODELO	IM2201005
POTENCIA	150W
LÚMENES POR WATT	100 lm x W
FLUJO LUMINOSO	15.000
VOLTAJE	AC100-240Vca
FRECUENCIA	50 hz
ÁNGULO	100°
CRI	>80
VIDA ÚTIL	15.000 hs
VIDA ÚTIL (ON/OFF)	15.000 maniobras
TAMAÑO DE LA LÁMPARA	Ø280x39mm
PESO DE LA LÁMPARA	1,021Kg

TEMPERATURA DE TRABAJO	-20°+40°
TEMPERATURA LUZ	Fría 6000K
FACTOR DE POTENCIA	0.95
EFICIENCIA ENERGÉTICA	A+
PROTECCIÓN IP	IP65
FACTOR IK	IK08
MATERIAL DEL CUERPO	Aluminio
MATERIAL DEL LENTE	Polycarbonato
TIPO DE CHIP	SMD2835 - 144Pcs
CLASE	I
SECCIÓN DEL CABLE	Tipo Taller Siliconado 3x0,75
CHICOTE	30 cm de Cable
GARANTÍA	2 años

PRECAUCIONES

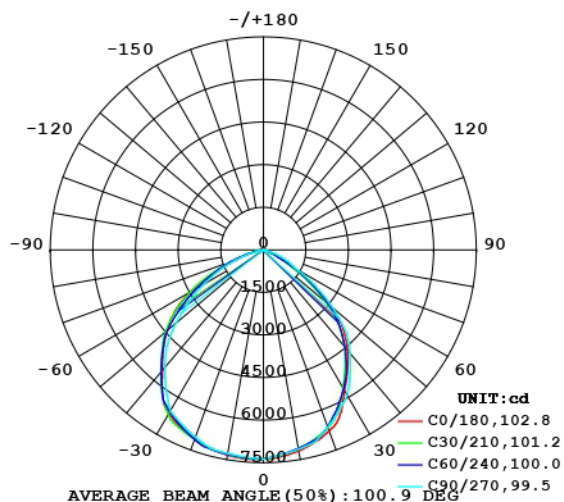
- A. La instalación de la luminaria debe ser realizada por personal técnico calificado.
- B. Trabaje solo bajo condiciones seguras (con el módulo y herramientas adecuadas).
- C. No reemplazar o remover luminarias sin antes realizar la desconexión de la alimentación.
- D. La luminaria no debe ser utilizada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

LUMINAIRE PHOTOMETRIC TEST REPORT

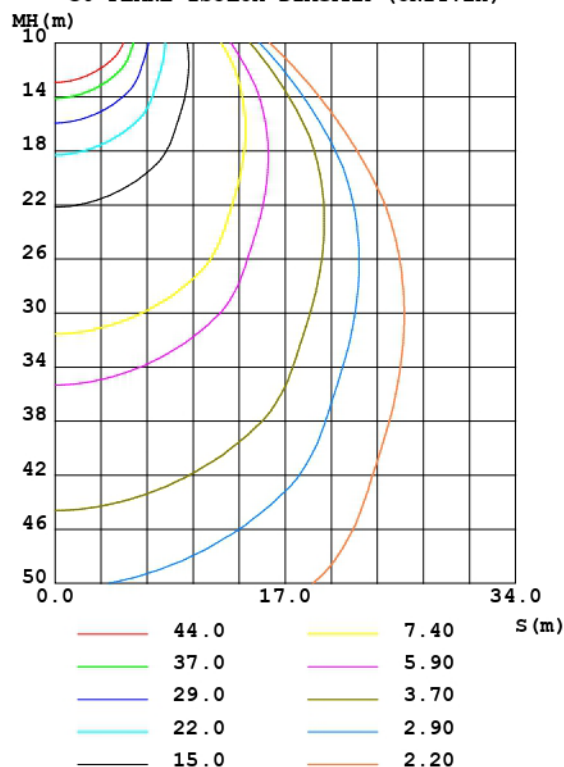
Test:U:229.1V I:0.6289A P:139.0W PF:0.9645 Lamp Flux:16722.5x1 lm		
NAME: HIGHBAY I 150W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.31 lm/W			
MODEL		I _{max} (cd)	7389	S/MH (C0/180)	1.33
NOMINAL POWER(W)		LOR(%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	16723	η UP,DN(C0-180)	0.0,46.9
NOMINAL FLUX(lm)	16722.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,53.1
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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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	7307	7249	7248	7306	7389	7357	7324	7304	0- 5	175.3	175.3	1.05,1.05
10	7183	7095	7129	7211	7346	7310	7281	7204	5- 10	519.4	694.7	4.15,4.15
15	7006	6915	7010	7089	7241	7237	7238	7079	10- 15	848.8	1543	9.23,9.23
20	6792	6716	6643	6942	7089	7149	7012	6938	15- 20	1153	2696	16.1,16.1
25	6404	6249	6277	6594	6904	6891	6786	6557	20- 25	1411	4107	24.6,24.6
30	5725	5650	5910	6167	6652	6548	6559	6048	25- 30	1608	5715	34.2,34.2
35	5168	5054	5325	5685	6207	6119	5979	5484	30- 35	1735	7449	44.5,44.5
40	4616	4488	4740	5154	5533	5604	5399	4951	35- 40	1778	9227	55.2,55.2
45	3987	3672	4155	4558	4996	5025	4818	4266	40- 45	1755	10982	65.7,65.7
50	3112	2797	3207	3939	4444	4453	4014	3492	45- 50	1649	12631	75.5,75.5
55	2042	1881	2259	3235	3821	3855	3211	2656	50- 55	1423	14054	84,84
60	1030	1143	1311	2257	2955	2911	2407	1736	55- 60	1102	15156	90.6,90.6
65	453.0	533.6	918.2	1325	1913	1953	1699	919.0	60- 65	750.7	15907	95.1,95.1
70	179.4	201.5	525.1	690.9	970.3	1163	991.0	419.3	65- 70	460.7	16367	97.9,97.9
75	108.8	110.7	132.0	379.8	428.7	635.5	283.1	230.3	70- 75	240.4	16608	99.3,99.3
80	42.38	38.70	0	102.2	170.4	176.8	0	81.68	75- 80	90.61	16698	99.9,99.9
85	16.47	0	0	0	103.0	0	0	0	80- 85	20.61	16719	100,100
90	12.64	0	0	0	13.56	0	0	0	85- 90	3.503	16723	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): 10982 lm

%lum = 65.7%

%lamp = 65.7%

Conical surface Flux(120deg): 15156 lm

%lum = 90.6%

%lamp = 90.6%

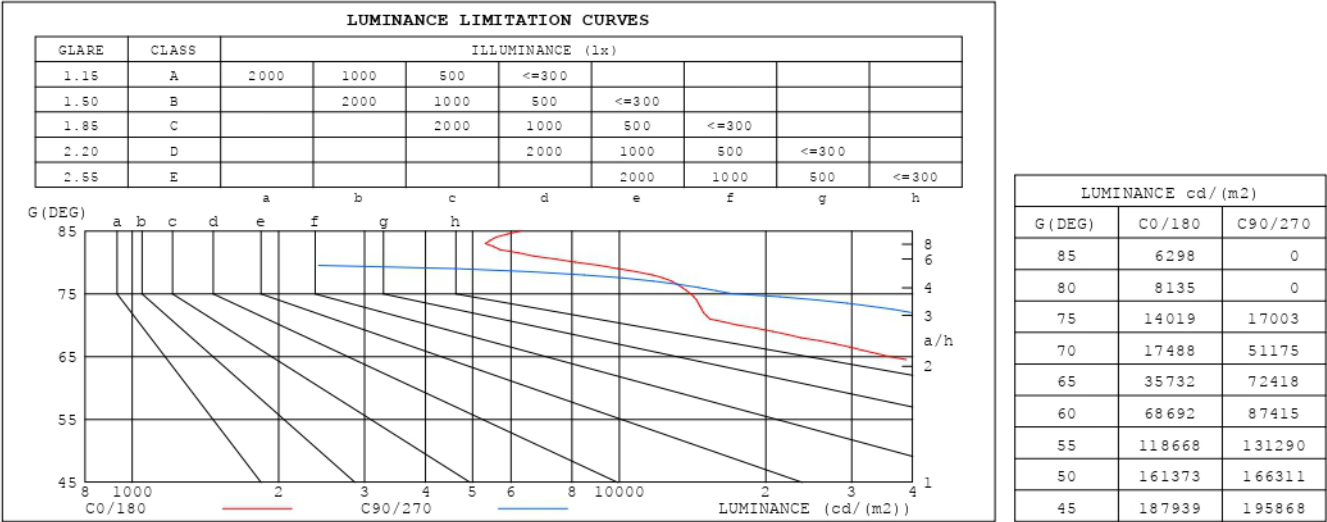
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Remarks:

HIGHBAY 100W
LÁMPARA LED

LUMINANCE LIMITATION CURVES

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NAME: HIGHBAY I 150 W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
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Humidity:55.0%
Test Distance:8.852m [K=1.0000]
Remarks:

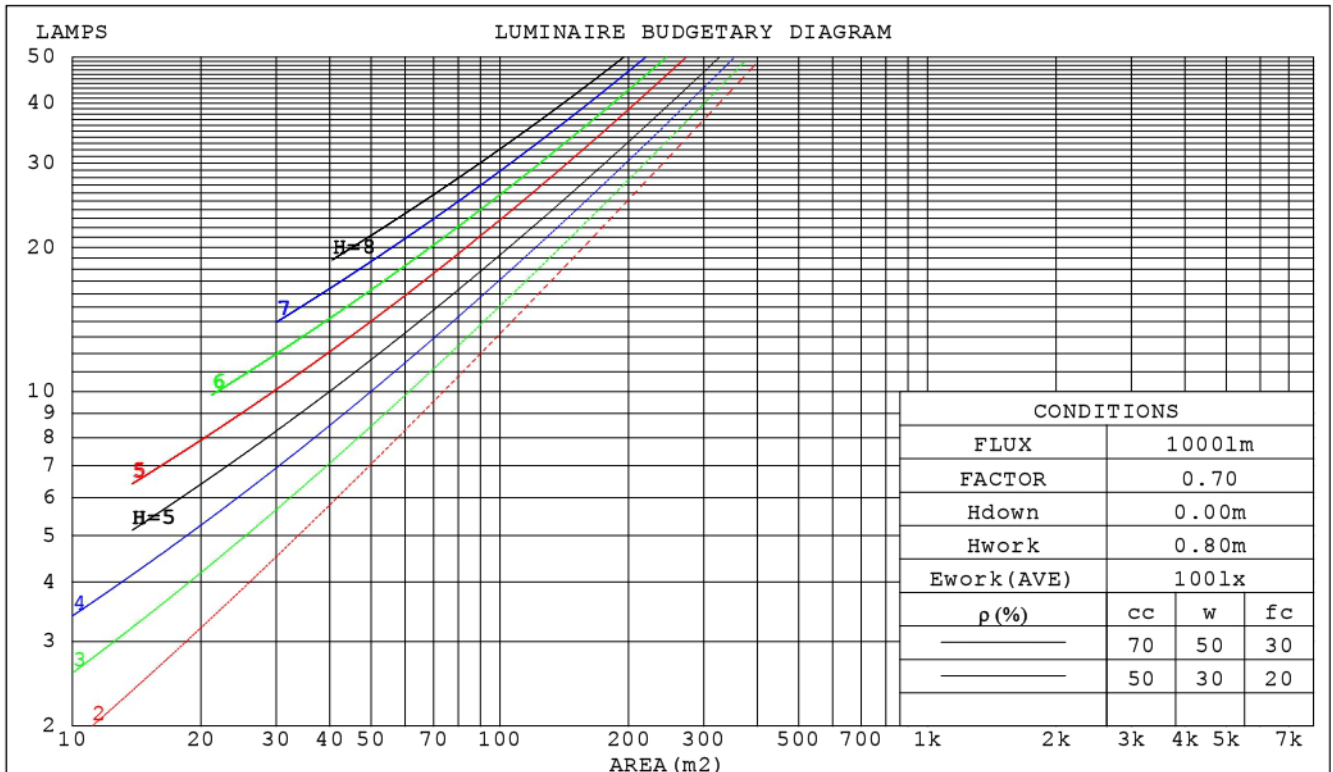
HIGHBAY 100W

LÁMPARA LED

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.1V I:0.6289A P:139.0W PF:0.9645 Lamp Flux:16722.5x1 lm		
NAME: HIGHBAY 1150W	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															



C Range: 0 - 360DEG
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HIGHBAY 100W

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WEC AND CCEC

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NAME: HIGHBAY 1150W	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	.250	.142	.045	.243	.139	.044	.230	.132	.042	.218	.126	.040	.208	.120	.039		
2.0	.245	.135	.041	.239	.132	.041	.228	.127	.039	.218	.122	.038	.208	.118	.037		
3.0	.234	.124	.037	.229	.122	.037	.219	.118	.036	.209	.115	.035	.201	.111	.034		
4.0	.221	.115	.034	.216	.113	.033	.207	.110	.033	.199	.107	.032	.192	.104	.032		
5.0	.208	.106	.031	.204	.104	.030	.196	.102	.030	.188	.099	.030	.182	.097	.029		
6.0	.195	.098	.028	.192	.097	.028	.185	.095	.028	.178	.093	.027	.172	.091	.027		
7.0	.184	.091	.026	.180	.090	.026	.174	.088	.025	.168	.086	.025	.163	.085	.025		
8.0	.173	.085	.024	.170	.084	.024	.165	.082	.023	.159	.081	.023	.155	.079	.023		
9.0	.164	.079	.022	.161	.078	.022	.156	.077	.022	.151	.076	.022	.147	.075	.022		
10.0	.155	.074	.021	.152	.074	.021	.148	.072	.020	.144	.071	.020	.140	.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	.151	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.166	.132	.104	.142	.114	.090	.097	.079	.062	.056	.046	.037	.018	.015	.012	
3.0	.158	.114	.079	.135	.098	.069	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.150	.100	.063	.129	.087	.054	.088	.060	.038	.051	.035	.023	.016	.012	.007	
5.0	.143	.090	.051	.123	.078	.044	.084	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.136	.081	.042	.117	.070	.036	.081	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.130	.074	.035	.112	.064	.031	.077	.045	.022	.045	.027	.013	.014	.009	.004	
8.0	.124	.068	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	
10.0	.113	.059	.023	.097	.051	.020	.068	.036	.014	.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:0.6289A P:139.0W PF:0.9645 Lamp Flux:16722.5x1 lm										
NAME: Highbay 1150W					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	27.8	29.2	28.1	29.4	29.6	28.4	29.8	28.7	30.0	30.2
3H	27.7	29.0	28.0	29.2	29.4	28.6	29.9	28.9	30.1	30.3
4H	27.7	28.8	28.0	29.1	29.3	28.6	29.8	28.9	30.0	30.3
6H	27.6	28.7	27.9	28.9	29.2	28.5	29.6	28.8	29.9	30.2
8H	27.5	28.6	27.9	28.9	29.1	28.5	29.5	28.8	29.8	30.1
12H	27.5	28.5	27.8	28.8	29.1	28.4	29.4	28.8	29.7	30.0
4H 2H	27.8	29.0	28.1	29.3	29.5	28.3	29.5	28.6	29.8	30.0
3H	27.8	28.8	28.1	29.1	29.4	28.6	29.7	29.0	29.9	30.2
4H	27.7	28.6	28.1	28.9	29.3	28.6	29.5	29.0	29.9	30.2
6H	27.6	28.4	28.0	28.8	29.2	28.5	29.4	28.9	29.7	30.1
8H	27.6	28.3	28.0	28.7	29.1	28.5	29.2	28.9	29.6	30.0
12H	27.6	28.2	28.0	28.6	29.0	28.5	29.1	28.9	29.5	29.9
8H 4H	27.6	28.4	28.0	28.7	29.1	28.5	29.3	28.9	29.6	30.0
6H	27.5	28.2	28.0	28.6	29.0	28.4	29.0	28.9	29.4	29.9
8H	27.5	28.1	28.0	28.5	28.9	28.4	28.9	28.8	29.4	29.8
12H	27.5	27.9	28.0	28.4	28.9	28.4	28.8	28.8	29.3	29.7
12H 4H	27.6	28.2	28.0	28.6	29.0	28.5	29.2	28.9	29.5	29.9
6H	27.5	28.0	28.0	28.5	28.9	28.4	28.9	28.8	29.4	29.8
8H	27.5	27.9	27.9	28.4	28.9	28.4	28.8	28.8	29.3	29.7
Variations with the observer position at spacings:										
S = 1.0H	+ 1.2 / - 1.6					+ 0.7 / - 0.8				
1.5H	+ 0.8 / - 1.0					+ 0.7 / - 0.8				
2.0H	+ 2.7 / - 5.6					+ 2.5 / - 5.2				

CIE Pub.117 Corrected 16723 lm Total Lamp Luminous Flux. (8log(F/F0) = 9.8)

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

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

HIGHBAY 100W

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UTILIZATION FACTORS TABLE

Test:U:229.1V I:0.6289A P:139.0W PF:0.9645 Lamp Flux:16722.5x1 lm		
NAME: HIGHBAY I 150W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

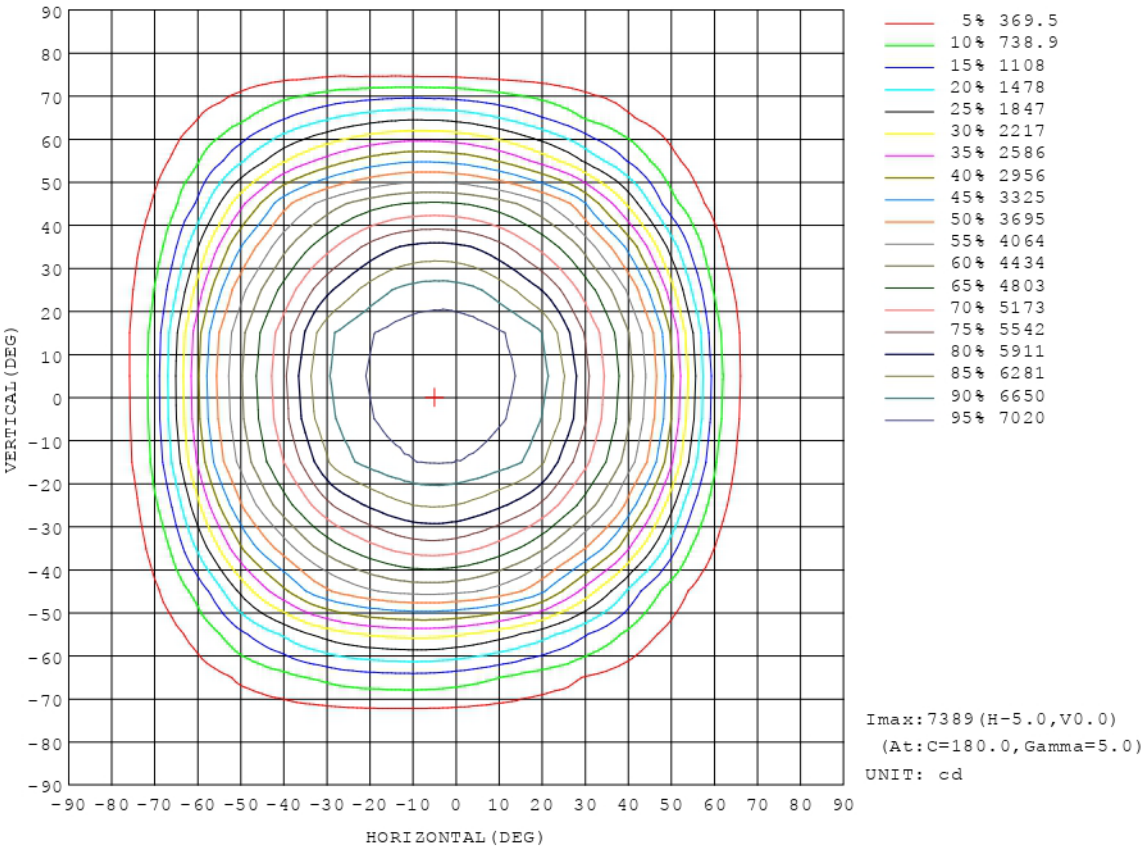
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	52	46	62	52	46	61	52	46	40
0.80	74	63	57	73	63	56	71	62	56	50
1.00	82	73	66	81	72	66	79	73	65	59
1.25	89	80	74	88	80	74	85	78	73	67
1.50	94	85	80	92	85	79	89	83	78	72
2.00	100	93	88	98	92	87	95	90	85	78
2.50	103	97	92	101	95	91	98	93	89	81
3.00	106	100	96	104	99	95	100	96	93	85
4.00	109	104	101	107	103	99	103	99	97	88
5.00	111	107	104	109	105	102	104	102	99	90
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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ISOCANDELA DIAGRAM

Test:U:229.1V I:0.6289A P:139.0W PF:0.9645 Lamp Flux:16722.5x1 lm		
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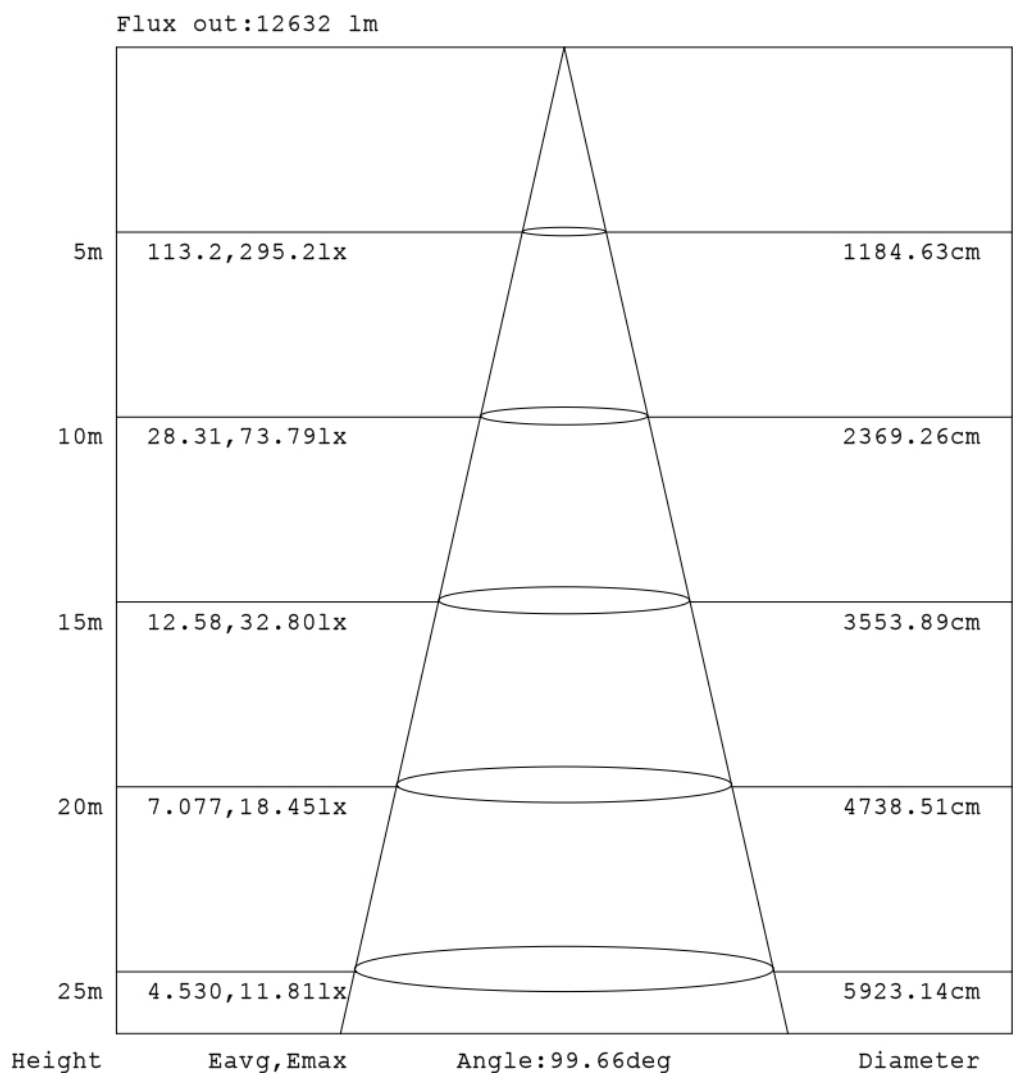
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AAI Figure

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



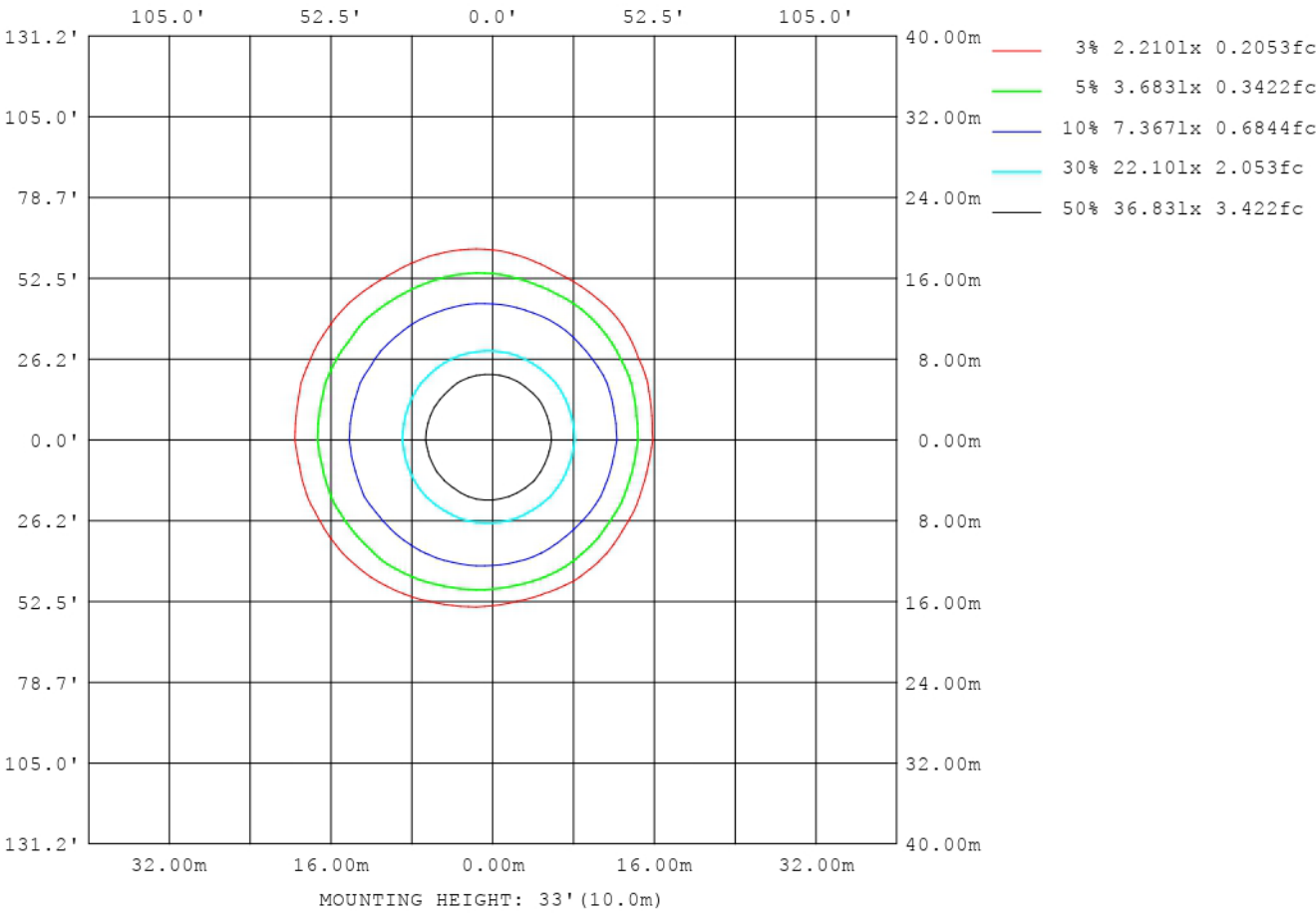
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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Test Speed: HIGH
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γ Range: 0 - 90DEG
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Humidity:55.0%
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Remarks:

ISOLUX DIAGRAM

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NAME: Highbay I 150W	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:0.6289A P:139.0W PF:0.9645 Lamp Flux:16722.5x1 lm		
NAME: Highbay 1150W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

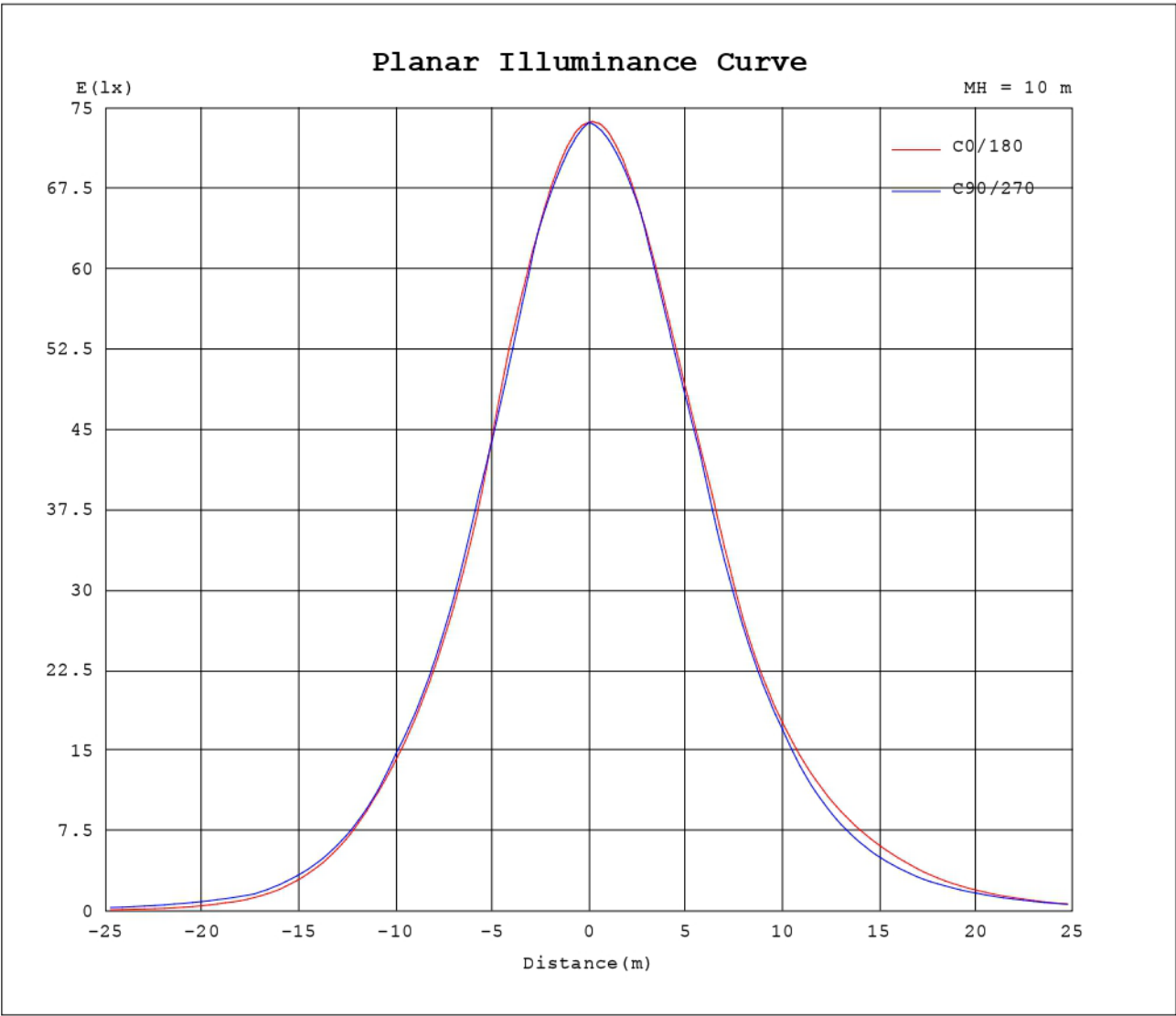
AvgL	cd/m2
L 0~180 (65) av	93309
L 0~180 (75) av	34615
L 0~180 (85) av	22849
L 90~270 (65) av	103205
L 90~270 (75) av	26732
L 90~270 (85) av	0
L 45 (65) av	93292
L 45 (75) av	43669
L 45 (85) av	0

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	γ Range: 0 - 90DEG
C Interval: 5.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.350
Temperature:25.3DEG	Humidity:55.0%
Operators:	Test Distance:8.852m [K=1.0000]
Test Date:30 January 2024	Remarks:

HIGHBAY 100W LÁMPARA LED

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:0.6289A P:139.0W PF:0.9645 Lamp Flux:16722.5x1 lm		
NAME: HIGHBAY 150W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

Table--1

UNIT: cd

[illegible]

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:

```

LÁMPARA LED

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.1V I:0.6289A P:139.0W PF:0.9645 Lamp Flux:16722.5x1 lm		
NAME: HIGHBAY I 150W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

Table--2

UNIT: cd

[illegible]

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:0.6289A P:139.0W PF:0.9645 Lamp Flux:16722.5x1 lm		
NAME: HIGHBAY I 150W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

Table--3

UNIT: cd

[illegible]

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:0.6289A P:139.0W PF:0.9645 Lamp Flux:16722.5x1 lm		
NAME: HIGHBAY 150W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 01.SHIER/SHISan	SUR.:	Shielding Angle:

Table--4

UNIT: cd

[illegible]

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:

```