

Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: DOE IES File

Manufacturer: Globalux Lighting LLC

Luminaire: MOLDED WHITE PLASTIC HOUSING WITH WITH 2 MOLDED WHITE PLASTIC SWIVEL HEAD ASSEMBLIES, EACH HEAD ASSEMBLY CONSISTS OF: ONE CIRCUIT BOARD WITH 12 LEDS, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED, CLEAR PRISMATIC PLASTIC LENS. BOTH SWIVEL HEAD ASSEMBLIES WERE ILLUMINATED FOR THIS TEST. ONLY ONE LIGHT HEAD WAS MEASURED FOR LIGHT OUTPUT. LENS PRISMS IN.

Luminaire Cat: DOE

Lamp: TWELVE WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION. INPUT VOLTAGE (3.6VDC) TO THE DRIVER. DRIVER INFORMATION PROVIDED BY CLIENT.

Lamp Output: Total luminaire Lumens: 6

Max Candela: 157.7 at Horizontal: 90°, Vertical: 2.5°

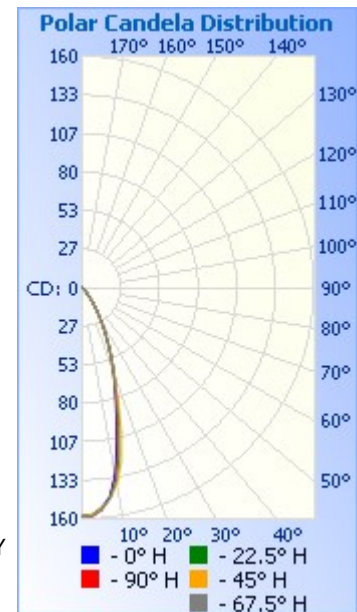
Input Wattage: 1.53

Luminous Opening: Vertical Cylinder (Dia : 2.94", H: 0.38")

Test Lab: INDEPENDENT TESTING LABORATORIES, INC.

Photometry : Type C

Nema Type: 4 X 4



Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	TYPE I, VERY SHORT	
Max Cd, 90 Deg Vert:	0.1	
Max Cd, 80 to <90 Deg:	0.2	
	Lumens	% Lamp
Downward Street Side:	36.0	50%
Downward House Side:	36.0	50%
Downward Total:	72.0	100.1%
Upward Street Side:	0.0	0%
Upward House Side:	0.0	0%
Upward Total:	0.0	0%
Total Lumens:	72.1	100.1%

Flood Summary

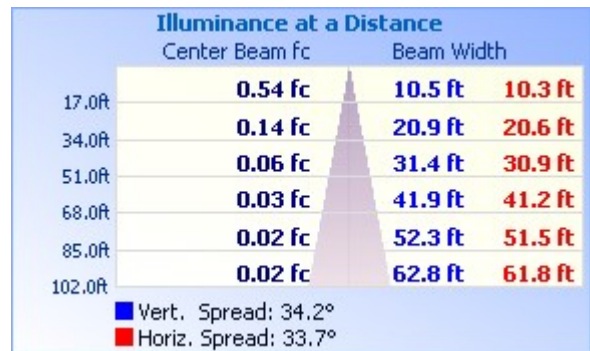
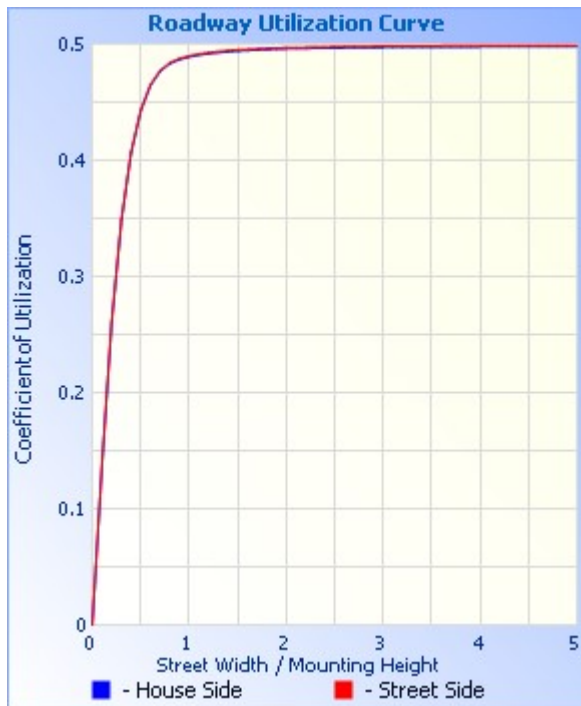
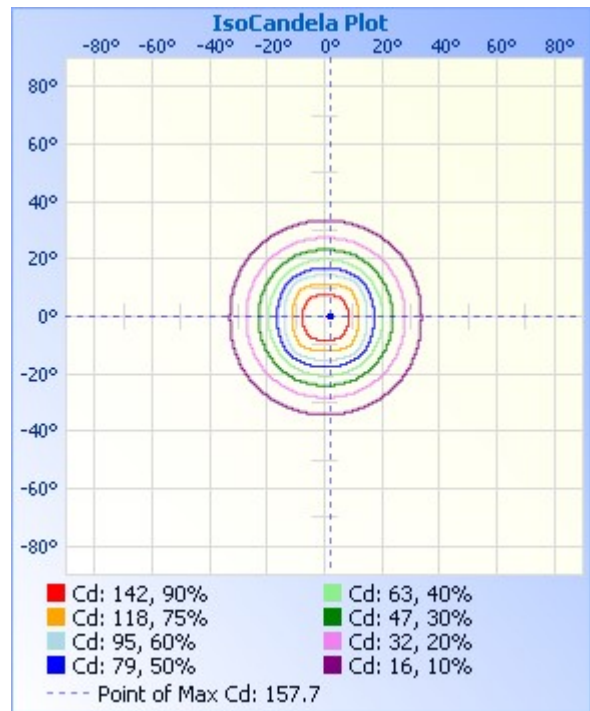
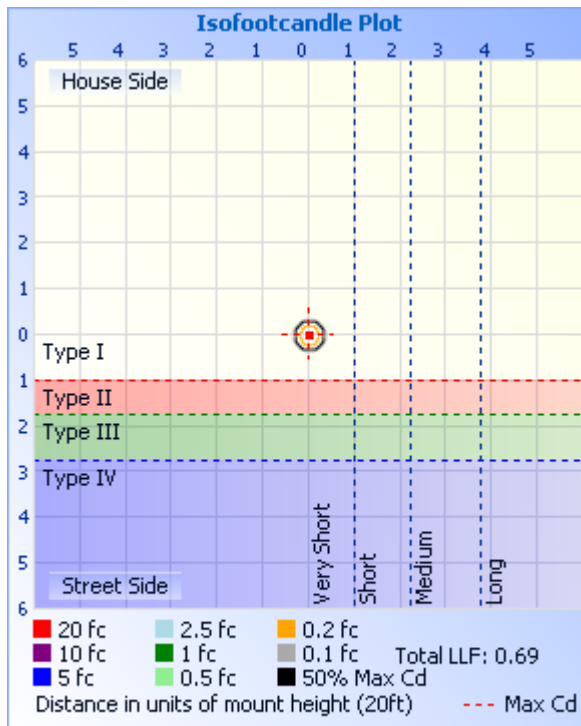
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	88.1%	63.4	66.5	67.5
Beam (50%):	47.8%	34.4	33.7	34.2
Total:	100%	72.0		

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	59.5	82.6%
0-40	67.8	94.1%
0-60	71.0	98.6%
60-90	1.0	1.3%
70-100	0.4	0.6%
90-120	0.0	0%
0-90	72.0	100%
90-180	0.0	0%
0-180	72.0	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	14.0	19.4%	90-100	0.0	0%
10-20	26.4	36.7%	100-110	0.0	0%
20-30	19.1	26.5%	110-120	0	0%
30-40	8.3	11.5%	120-130	0	0%
40-50	2.2	3.1%	130-140	0	0%
50-60	1.0	1.4%	140-150	0	0%
60-70	0.5	0.8%	150-160	0	0%
70-80	0.3	0.4%	160-170	0	0%
80-90	0.1	0.2%	170-180	0	0%



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.14	1.11	1.09	1.07	1.12	1.09	1.07	.95	1.05	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.94
2	1.09	1.05	1.01	.98	1.07	1.03	1.00	.90	1.00	.97	.95	.97	.95	.93	.94	.92	.91	.89
3	1.04	.99	.94	.90	1.02	.97	.93	.85	.95	.91	.88	.92	.89	.87	.90	.88	.86	.84

4	1.00	.93	.88	.84	.98	.92	.87	.81	.90	.86	.83	.88	.85	.82	.86	.83	.81	.80
5	.96	.88	.83	.79	.94	.87	.83	.77	.86	.82	.78	.84	.80	.78	.83	.79	.77	.76
6	.92	.84	.79	.75	.90	.83	.78	.73	.82	.77	.74	.80	.77	.74	.79	.76	.73	.72
7	.88	.80	.75	.71	.87	.79	.74	.70	.78	.74	.70	.77	.73	.70	.76	.72	.70	.69
8	.85	.76	.71	.68	.84	.76	.71	.66	.75	.70	.67	.74	.70	.67	.73	.69	.67	.65
9	.82	.73	.68	.64	.80	.73	.68	.64	.72	.67	.64	.71	.67	.64	.70	.66	.64	.63
10	.78	.70	.65	.62	.78	.70	.65	.61	.69	.64	.61	.68	.64	.61	.67	.64	.61	.60

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Candela Table - Type C

	0	22.5	45	67.5	90
0	158	158	158	158	158
2.5	156	156	156	157	158
5	152	152	153	153	154
7.5	145	146	147	146	146
10	131	135	137	133	130
12.5	111	117	123	114	109
15	92	96	103	94	90
17.5	77	78	82	77	75
20	64	64	64	63	63
22.5	52	52	52	51	51
25	42	42	41	41	41
27.5	33	33	32	32	32
30	25	25	24	24	24
32.5	19	18	18	18	17
35	13	13	13	12	12
37.5	8	9	9	8	8
40	5	6	6	6	5
42.5	3	4	4	4	3
45	3	2	3	2	2
47.5	2	2	2	2	2
50	2	2	2	2	2
52.5	1	1	1	1	1
55	1	1	1	1	1
57.5	1	1	1	1	1
60	1	1	1	1	1
62.5	1	1	1	1	1
65	0	0	0	0	0
67.5	0	0	0	0	0
70	0	0	0	0	0
72.5	0	0	0	0	0
75	0	0	0	0	0
77.5	0	0	0	0	0
80	0	0	0	0	0
82.5	0	0	0	0	0
85	0	0	0	0	0
87.5	0	0	0	0	0
90	0	0	0	0	0
92.5	0	0	0	0	0
95	0	0	0	0	0
97.5	0	0	0	0	0
100	0	0	0	0	0
102.5	0	0	0	0	0
105	0	0	0	0	0
107.5	0	0	0	0	0
110	0	0	0	0	0

112.5	0	0	0	0	0
115	0	0	0	0	0
117.5	0	0	0	0	0
120	0	0	0	0	0
122.5	0	0	0	0	0
125	0	0	0	0	0
127.5	0	0	0	0	0
130	0	0	0	0	0
132.5	0	0	0	0	0
135	0	0	0	0	0
137.5	0	0	0	0	0
140	0	0	0	0	0
142.5	0	0	0	0	0
145	0	0	0	0	0
147.5	0	0	0	0	0
150	0	0	0	0	0
152.5	0	0	0	0	0
155	0	0	0	0	0
157.5	0	0	0	0	0
160	0	0	0	0	0
162.5	0	0	0	0	0
165	0	0	0	0	0
167.5	0	0	0	0	0
170	0	0	0	0	0
172.5	0	0	0	0	0
175	0	0	0	0	0
177.5	0	0	0	0	0
180	0	0	0	0	0

Photometrics Pro - Evaluation Version**Luminaire Report Summary**

[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
[ISSUEDATE]06/22/18
[MANUFAC]Globalux Lighting LLC
[LUMCAT]DOE
[LUMINAIRE]MOLDED WHITE PLASTIC HOUSING WITH WITH 2 MOLDED WHITE PLASTIC
[MORE]SWIVEL HEAD ASSEMBLIES, EACH HEAD ASSEMBLY CONSISTS OF: ONE CIRCUIT
[MORE]BOARD WITH 12 LEDS, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1
[MORE]APERTURE PER LED, CLEAR PRISMATIC PLASTIC LENS. BOTH SWIVEL HEAD
[MORE]ASSEMBLIES WERE ILLUMINATED FOR THIS TEST. ONLY ONE LIGHT HEAD WAS
[MORE]MEASURED FOR LIGHT OUTPUT. LENS PRISMS IN.
[LAMP]TWELVE WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR HEMISPHERICAL
[MORE]INTEGRAL LENS, VERTICAL BASE-UP POSITION.
[_INPUT_ELECTRICAL]3.60 VOLTS, 1.53 WATTS, 0.424 AMPS
[_MOUNTING]SURFACE
[_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT CLIENT REQUESTED
[MORE]INPUT VOLTAGE (3.6VDC) TO THE DRIVER. DRIVER INFORMATION PROVIDED BY
[MORE]CLIENT.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]TEST DISTANCE = 20.0 FEET
[_ABSOLUTE LUMENS]72.2

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 0.1
FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 5
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: STANDARD
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.