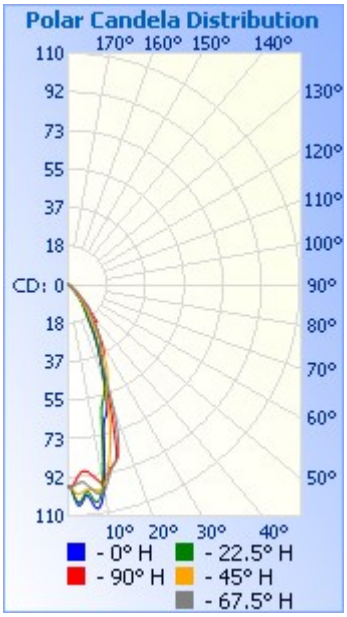
Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: **THE IES File**
Manufacturer: Globalux Lighting LLC
Luminaire: MOLDED WHITE PLASTIC HOUSING, TWO MOLDED WHITE PLASTIC SWIVEL HEAD ASSEMBLIES, EACH HEAD ASSEMBLY CONSISTS OF: MOLDED WHITE PLASTIC HOUSING, ONE CIRCUIT BOARD WITH 12 LEDS, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND ONE APERTURE PER LED, CLEAR PRISMATIC PLASTIC LENS. ONLY ONE HEAD ASSEMBLY ENERGIZED FOR THIS TEST.
Luminaire Cat: THE
Lamp: TWELVE WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR CYLINDRICAL INTEGRAL LENS WITH HEMISPHERICAL END, VERTICAL BASE-UP POSITION.
Lamp Output: Total luminaire Lumens: 5.441667
Max Candela: 106.9 at Horizontal: 0°, Vertical: 7.5°
Input Wattage: 0.788
Luminous Opening: Rectangle w/Luminous Sides (L: 3.5", W: 3.5", H: 0.5")
Photometry : Type C
Nema Type: 5 X 5



Roadway Summary

	Lumens	% Lamp
Cutoff Classification:		CUTOFF
Distribution:		TYPE I, VERY SHORT
Max Cd, 90 Deg Vert:		0.2
Max Cd, 80 to <90 Deg:		0.3
Downward Street Side:	32.7	50%
Downward House Side:	32.7	50%
Downward Total:	65.3	100%
Upward Street Side:	0.0	0%
Upward House Side:	0.0	0%
Upward Total:	0.0	0.1%
Total Lumens:	65.4	100%

Flood Summary

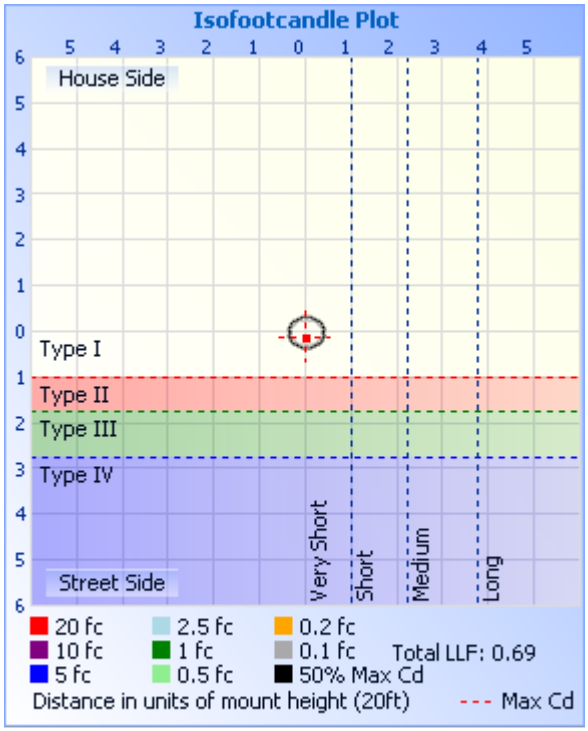
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	89.5%	58.5	86.1	75.4
Beam (50%):	45.8%	29.9	39.7	39.1
Total:	100%	65.4		

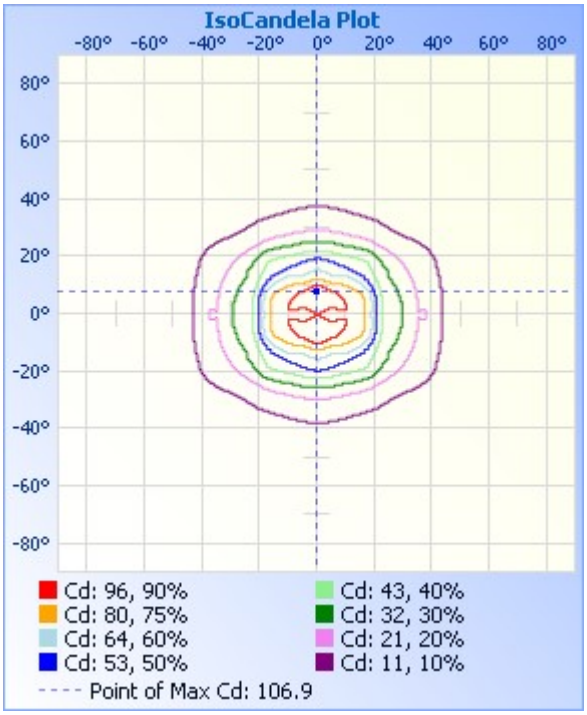
Zonal Lumen Summary

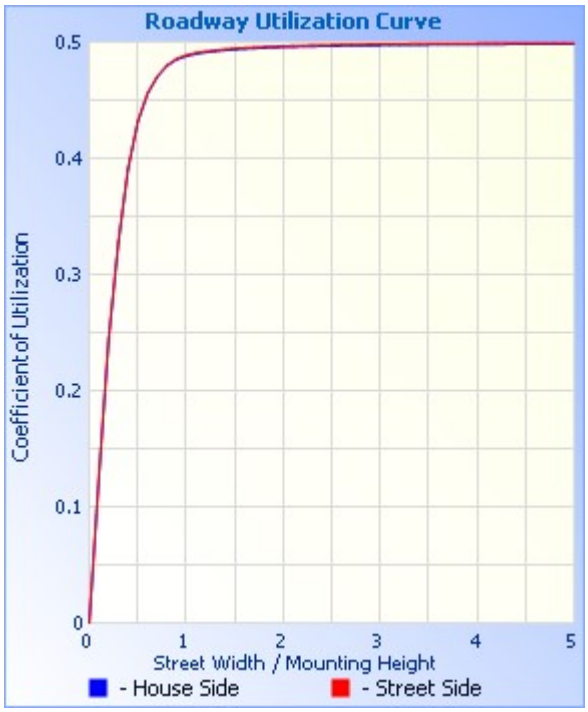
Zone	Lumens	% Luminaire
0-30	47.4	72.5%
0-40	58.0	88.8%
0-60	64.0	98%
60-90	1.3	2%
70-100	0.6	0.9%
90-120	0.0	0.1%
0-90	65.3	99.9%
90-180	0.0	0.1%
0-180	65.3	100%

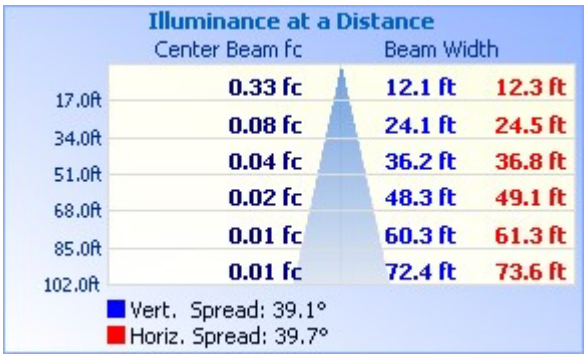
Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	9.4	14.4%	90-100	0.0	0.1%
10-20	20.7	31.8%	100-110	0	0%
20-30	17.2	26.4%	110-120	0	0%
30-40	10.7	16.3%	120-130	0	0%
40-50	4.5	6.9%	130-140	0	0%
50-60	1.5	2.2%	140-150	0	0%
60-70	0.7	1.1%	150-160	0	0%
70-80	0.4	0.6%	160-170	0	0%
80-90	0.2	0.3%	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	1.13	1.11	1.08	1.06	1.11	1.08	1.06	.94	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2	1.08	1.03	.99	.95	1.06	1.01	.98	.88	.98	.95	.92	.95	.93	.90	.92	.90	.88	.87
3	1.03	.96	.91	.87	1.01	.95	.90	.82	.92	.88	.85	.90	.86	.84	.87	.85	.82	.81

4	.97	.90	.85	.80	.96	.89	.84	.77	.87	.82	.79	.85	.81	.78	.83	.80	.77	.76
5	.93	.85	.79	.75	.91	.84	.78	.72	.82	.77	.74	.80	.76	.73	.79	.75	.72	.71
6	.88	.80	.74	.70	.87	.79	.73	.68	.77	.73	.69	.76	.72	.68	.75	.71	.68	.67
7	.84	.75	.69	.65	.83	.75	.69	.64	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63
8	.81	.71	.66	.62	.79	.71	.65	.60	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59
9	.77	.68	.62	.58	.76	.67	.62	.57	.66	.61	.58	.65	.61	.58	.65	.60	.57	.56
10	.74	.64	.59	.55	.73	.64	.59	.54	.63	.58	.55	.62	.58	.55	.62	.58	.55	.53

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Candela Table - Type C

	0	22.5	45	67.5	90
0	96	96	96	96	96
0.5	96	96	96	96	96
1	97	97	96	96	95
1.5	100	100	98	95	94
2	103	102	99	95	93
2.5	104	103	99	94	92
3	105	103	99	94	91
3.5	104	102	99	94	90
4	102	101	98	94	89
4.5	101	100	98	94	89
5	100	99	98	95	89
5.5	101	99	97	96	89
6	102	100	97	96	89
6.5	105	102	97	97	90
7	106	103	98	98	91
7.5	**107**	104	98	99	92
8	106	103	98	100	93
8.5	105	102	98	100	94
9	103	100	98	100	95
9.5	101	97	98	100	95
10	98	94	97	99	96
11	90	87	94	96	94
12	82	79	90	93	91
13	74	71	86	90	89
14	69	65	81	88	88
15	66	60	77	87	87
16	65	58	72	85	83
17	62	57	67	82	76
18	59	55	61	76	68
19	56	52	55	70	61
20	52	50	52	62	54
22.5	41	42	48	45	41
25	33	34	43	36	37
27.5	26	27	35	32	37
30	19	20	28	31	31
32.5	16	15	19	26	25
35	15	12	16	20	21
37.5	11	10	12	17	22
40	7	8	8	16	16
42.5	3	6	5	14	12
45	2	3	3	10	8
47.5	2	2	2	6	7
50	1	1	2	4	5
52.5	1	1	1	3	4
55	1	1	1	2	3

57.5	1	1	1	2	2
60	1	1	1	1	2
62.5	0	1	1	1	1
65	0	0	1	1	1
67.5	0	0	0	1	1
70	0	0	0	1	1
72.5	0	0	0	0	1
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
115	0	0	0	0	0
120	0	0	0	0	0
125	0	0	0	0	0
130	0	0	0	0	0
135	0	0	0	0	0
140	0	0	0	0	0
145	0	0	0	0	0
150	0	0	0	0	0
155	0	0	0	0	0
160	0	0	0	0	0
165	0	0	0	0	0
170	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

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[ISSUEDATE]06/21/11
[MANUFAC]Globalux Lighting LLC
[LUMCAT]THE
[LUMINAIRE]MOLDED WHITE PLASTIC HOUSING, TWO MOLDED WHITE PLASTIC SWIVEL
[MORE]HEAD ASSEMBLIES, EACH HEAD ASSEMBLY CONSISTS OF: MOLDED WHITE
[MORE]PLASTIC HOUSING, ONE CIRCUIT BOARD WITH 12 LEDS, MOLDED
[MORE]PLASTIC REFLECTOR WITH SPECULAR FINISH AND ONE APERTURE PER
[MORE]LED, CLEAR PRISMATIC PLASTIC LENS. ONLY ONE HEAD ASSEMBLY
[MORE]ENERGIZED FOR THIS TEST.
[LAMP]TWELVE WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR
[MORE]CYLINDRICAL INTEGRAL LENS WITH HEMISPHERICAL END, VERTICAL
[MORE]BASE-UP POSITION.
[OTHER]TOTAL INPUT WATTS = 0.788 AT 3.60 VOLTS DC
[_MOUNTING]SURFACE
[_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT CLIENT
[MORE]REQUESTED INPUT VOLTAGE (3.6VDC) TO THE LAMP ASSEMBLY.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]TEST DISTANCE = 25.25 FEET
[_ABSOLUTELUMENS]65.4

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 0.1
FILE: VERTICAL ANGLES: 81, 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.