

REPORT NUMBER: ITL74030

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ISSUE DATE: 08/24/12

PREPARED FOR: BEST LIGHTING PRODUCTS

CATALOG NUMBER: LEDTFX-2

LUMINAIRE: MOLDED GRAY PLASTIC HOUSING, TWO MOLDED GRAY PLASTIC SWIVEL HEAD ASSEMBLIES, EACH HEAD ASSEMBLY CONSISTS OF: ONE CIRCUIT BOARD WITH 15 LEDs, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND ONE APERTURE PER LED, CLEAR RECTANGULAR PRISMATIC PLASTIC DROP LENS. LENS PRISMS IN AND PARALLEL WITH THE 0-DEGREE PLANE. ONLY ONE HEAD ASSEMBLY ENERGIZED FOR THIS TEST.

LAMPS: FIFTEEN WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS = 0.621 AT 9.6 VOLTS DC

MOUNTING: SURFACE

LED DRIVER: BEST LIGHTING PRODUCTS
PROPRIETARY

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT CLIENT REQUESTED INPUT VOLTAGE (9.6VDC) TO THE LED DRIVER. LED DRIVER INFORMATION PROVIDED BY CLIENT.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 25.25 FEET



CANDELA DISTRIBUTION						FLUX
	0.0	22.5	45.0	67.5	90.0	
0	166	166	166	166	166	
5	140	146	164	183	191	15.2
15	32	38	56	105	123	19.6
25	16	17	15	16	18	7.8
35	7	7	9	8	10	5.2
45	2	3	3	4	5	2.8
55	1	1	1	2	2	1.3
65	0	0	1	1	1	0.6
75	0	0	0	0	0	0.0
85	0	0	0	0	0	0.0
90	0	0	0	0	0	0.0

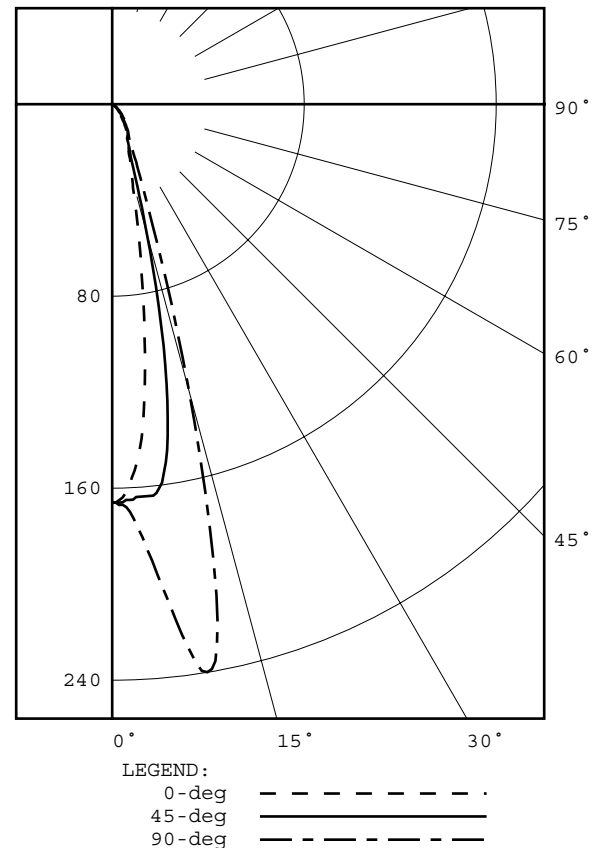
ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	42.6	81.3
0- 40	47.8	91.2
0- 60	51.9	99.0
0- 90	52.4	100.0
90-180	0.0	0.0
0-180	52.4	100.0

EFFICACY = 84.4 lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 0.31 0.58



Checked *S. BERGIN*

Approved *R. BEATTIE*
Lighting Engineer



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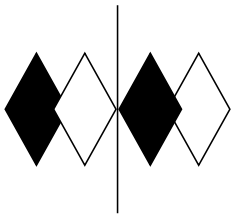
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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	166	166	166	166	166
0.5	166	166	166	166	166
1.0	165	165	166	167	167
1.5	164	164	166	167	167
2.0	162	163	165	168	168
2.5	160	161	165	169	170
3.0	156	159	165	171	173
3.5	153	156	164	173	177
4.0	149	153	164	176	181
4.5	145	150	164	180	186
5.0	140	146	164	183	191
5.5	134	142	164	187	197
6.0	127	136	164	192	203
6.5	120	130	163	196	209
7.0	112	124	161	200	216
7.5	105	117	159	204	223
8.0	97	110	155	208	229
8.5	90	103	151	210	235
9.0	83	96	146	211	239
9.5	76	90	140	211	240
10.0	70	83	133	209	239
10.5	65	77	126	206	236
11.0	60	71	119	202	229
11.5	55	66	111	195	220
12.0	51	61	103	185	209
12.5	46	56	94	173	195
13.0	43	52	86	160	181
13.5	39	48	78	145	166
14.0	36	44	70	131	151
14.5	34	41	63	117	137
15.0	32	38	56	105	123
15.5	30	35	50	93	110
16.0	29	33	45	82	98
16.5	27	31	40	72	88
17.0	26	29	36	64	77
17.5	25	27	32	57	68
18.0	24	26	29	50	60
18.5	22	24	27	45	53
19.0	21	23	25	40	47
19.5	21	22	23	36	43
20.0	20	21	22	33	39
22.5	18	18	17	22	26
25.0	16	17	15	16	18
27.5	14	14	14	12	15
30.0	11	12	13	10	13
32.5	9	9	11	9	12
35.0	7	7	9	8	10
37.5	6	6	7	7	9
40.0	5	5	6	6	7
42.5	4	4	4	5	6
45.0	2	3	3	4	5
47.5	2	2	3	3	4
50.0	1	2	2	3	3
52.5	1	1	2	2	2
55.0	1	1	1	2	2
57.5	1	1	1	1	1
60.0	1	1	1	1	1
62.5	1	1	1	1	1
65.0	0	0	1	1	1
67.5	0	0	0	0	1
70.0	0	0	0	0	0
72.5	0	0	0	0	0
75.0	0	0	0	0	0
77.5	0	0	0	0	0



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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
80.0	0	0	0	0	0
82.5	0	0	0	0	0
85.0	0	0	0	0	0
87.5	0	0	0	0	0
90.0	0	0	0	0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	3.9
5- 10	11.3
10- 15	12.7
15- 20	6.9
20- 25	4.3
25- 30	3.5
30- 35	2.9
35- 40	2.3
40- 45	1.7
45- 50	1.1
50- 55	0.7
55- 60	0.5
60- 65	0.4
65- 70	0.1
70- 75	0.0
75- 80	0.0
80- 85	0.0
85- 90	0.0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	15.2
0- 20	34.9
0- 30	42.6
0- 40	47.8
0- 50	50.6
0- 60	51.9
0- 70	52.4
0- 80	52.4
0- 90	52.4



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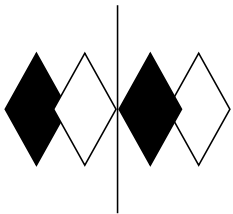
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82
5	97	90	85	82	96	89	85	82	88	84	81	86	83	80	85	82	79	78
6	94	86	81	78	92	86	81	78	84	80	77	83	79	77	82	79	76	75
7	90	83	78	74	89	82	78	74	81	77	74	80	76	73	79	76	73	72
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69
9	85	77	72	69	84	76	72	69	75	71	68	75	71	68	74	70	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS TEST SAMPLE.



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