

REPORT NUMBER: ITL73353

PAGE: 1 OF 6

ISSUE DATE: 07/15/12

PREPARED FOR: BOYD LIGHTING

CATALOG NUMBER: REGENT LANTERN (LED)

LUMINAIRE: FABRICATED METAL HOUSING WITH BLACK PAINTED EXTERIOR AND ORANGE PAINTED INTERIOR, ONE LED MODULE, FABRICATED BLACK PAINTED CENTER COLUMN WITH CLEAR MULTI-FACETED CRYSTAL TOP PIECE WITH COPPER COLORED BASE BELOW LAMP.

LAMP: ONE 13-WATT LED MODULE, TERRALUX TLM-R16B-A352741B-A000, VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS = 8.39 AT 120.0 VOLTS

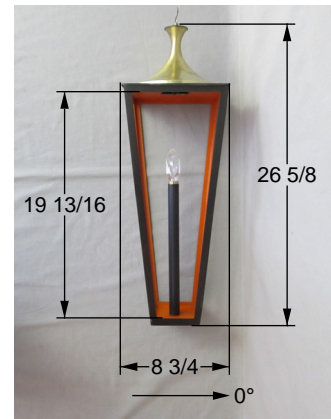
MOUNTING: PENDANT

LED DRIVER: LIGHTTECH LET 75 TRANSFORMER

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LIGHTTECH LET 75 TRANSFORMER. LED MODULE SET TO THE HIGHEST OUTPUT SETTING POSSIBLE FOR THIS TEST.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 25.25 FEET



#### CANDELA DISTRIBUTION

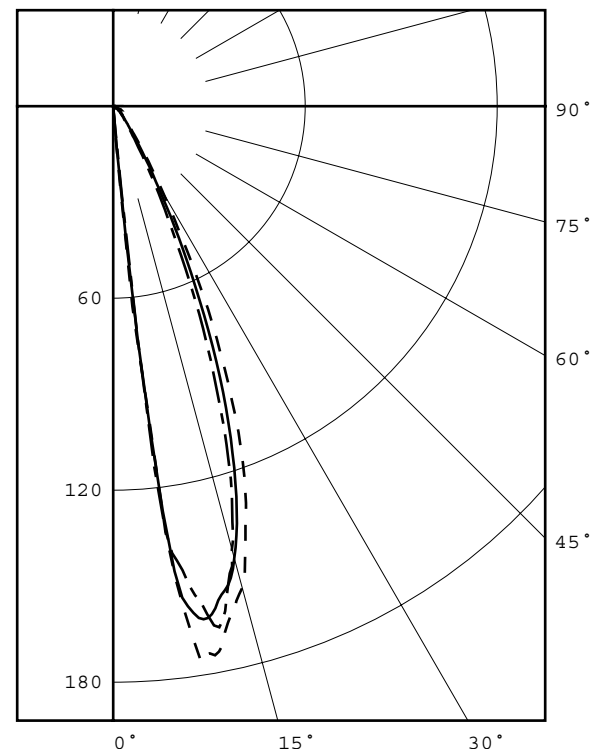
#### FLUX

	0.0	45.0	90.0	135.0	180.0	
0	0	0	0	0	0	
5	24	0	13	0	2	6.5
15	156	25	146	19	143	30.8
25	70	9	58	6	47	20.9
35	14	1	12	2	9	6.3
45	4	1	4	1	4	2.9
55	2	0	2	1	1	1.4
65	1	0	1	0	3	0.8
75	0	0	0	0	0	0.5
85	0	0	1	0	0	0.7
90	0	0	1	0	0	
95	0	0	0	0	0	0.6
105	0	0	1	0	0	0.8
115	0	0	0	0	0	0.4
125	1	0	1	0	1	0.4
135	1	0	1	0	1	0.4
145	1	0	1	0	1	0.3
155	0	1	1	1	1	0.2
165	0	0	0	1	0	0.1
175	0	0	0	0	0	0.0
180	0	0	0	0	0	

#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	58.2	78.7
0- 40	64.5	87.2
0- 60	68.8	93.0
0- 90	70.7	95.6
90-120	1.8	2.4
90-130	2.2	3.0
90-150	2.9	3.9
90-180	3.3	4.4
0-180	74.0	100.0

EFFICACY = 8.8 lm/W  
CIE TYPE - DIRECT



#### LEGEND:

0-deg -----  
90-deg -----  
180-deg -----

Checked S. BERGIN

Approved R. BEATTIE  
Lighting Engineer



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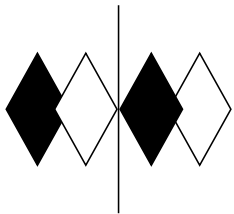
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CANDELA DISTRIBUTION  
LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0.0	0	0	0	0	0	0	0	0	0
1.0	0	0	0	0	0	0	0	0	0
2.0	0	0	0	0	0	0	0	0	0
3.0	0	0	0	0	0	0	0	0	0
4.0	0	0	0	0	0	0	0	0	0
5.0	24	9	0	3	13	3	0	0	2
5.5	63	32	0	18	42	17	0	5	27
6.0	79	64	0	46	73	40	0	30	73
6.5	96	79	5	71	102	63	1	71	114
7.0	134	91	17	97	128	78	1	113	133
7.5	149	116	29	121	147	89	3	130	141
8.0	159	143	35	134	155	108	8	140	143
8.5	168	152	36	135	158	126	15	153	147
9.0	176	155	35	134	160	137	20	161	152
9.5	174	159	35	135	162	143	23	165	155
10.0	174	162	34	136	163	147	24	170	157
10.5	175	165	33	137	163	151	24	172	162
11.0	174	165	32	137	162	151	24	170	165
11.5	172	165	31	137	160	153	23	167	166
12.0	168	163	30	137	158	155	23	164	164
12.5	165	161	29	140	156	155	22	162	162
13.0	163	160	28	140	155	152	21	158	158
13.5	162	157	27	140	154	150	21	155	154
14.0	159	156	26	142	152	146	20	151	151
14.5	157	152	26	144	149	143	20	147	149
15.0	156	150	25	143	146	140	19	143	143
15.5	154	147	24	140	143	137	19	142	140
16.0	149	146	23	137	140	133	19	137	135
16.5	145	147	23	133	136	130	18	133	131
17.0	141	141	22	129	132	126	18	127	127
17.5	138	138	21	125	128	122	17	124	122
18.0	134	134	21	121	124	118	17	119	117
18.5	131	128	20	117	119	114	16	114	112
19.0	127	123	19	113	115	109	15	108	106
19.5	123	119	19	108	110	104	15	103	101
20.0	118	114	18	104	105	99	14	98	95
20.5	114	110	18	99	101	94	13	92	90
21.0	109	105	17	95	96	89	12	87	85
21.5	104	100	16	90	91	84	12	82	80
22.0	99	95	14	86	86	79	11	77	75
22.5	94	90	13	81	81	75	11	71	70
23.0	89	86	12	77	76	70	9	66	65
23.5	84	81	11	72	71	66	8	62	61
24.0	79	77	10	67	66	62	8	57	56
24.5	75	72	9	62	62	58	7	53	51
25.0	70	68	9	58	58	53	6	49	47
26.0	61	59	7	51	50	46	5	41	39
27.0	51	51	6	44	42	39	5	35	33
28.0	43	43	5	38	35	33	4	30	28
29.0	37	36	4	32	30	28	4	25	24
30.0	31	31	3	27	25	24	3	21	20
32.5	20	21	2	18	17	16	2	14	13
35.0	14	14	1	12	12	11	2	10	9
37.5	9	9	1	9	8	8	1	8	7
40.0	7	9	1	7	6	7	1	6	5
42.5	5	7	1	6	5	6	1	5	4
45.0	4	5	1	5	4	5	1	5	4
47.5	4	4	1	4	4	5	1	4	3
50.0	3	3	0	3	3	4	1	3	2
52.5	3	3	0	3	2	3	0	2	2
55.0	2	2	0	2	2	2	1	2	1
57.5	1	2	0	2	1	2	0	1	1
60.0	1	1	0	1	1	1	0	1	1
62.5	2	1	0	3	1	2	0	1	2
65.0	1	1	0	1	1	1	0	1	3



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CANDELA DISTRIBUTION  
LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
67.5	1	1	0	1	1	1	0	1	1
70.0	0	1	0	1	0	1	0	1	1
72.5	0	1	0	1	0	1	0	1	0
75.0	0	1	0	1	0	1	0	1	0
77.5	0	1	0	1	0	1	0	1	0
80.0	0	1	0	1	0	1	0	1	0
82.5	1	1	0	1	1	1	0	0	1
85.0	0	0	0	1	1	2	0	0	0
87.5	0	1	0	1	1	2	0	1	0
90.0	0	1	0	2	1	3	0	0	0
92.5	0	1	0	1	0	1	0	0	0
95.0	0	1	0	1	0	1	0	1	0
97.5	0	1	0	1	1	1	0	1	0
100.0	0	1	0	1	1	1	0	1	0
102.5	0	1	0	2	1	2	0	1	0
105.0	0	1	0	4	1	2	0	1	0
107.5	0	1	0	1	1	1	0	1	0
110.0	0	1	0	1	1	1	0	1	0
115.0	0	1	0	1	0	1	0	1	0
120.0	0	1	0	1	0	1	0	1	0
125.0	1	1	0	1	1	1	0	1	1
130.0	1	1	0	1	1	1	0	1	1
135.0	1	1	0	1	1	1	0	1	1
140.0	1	1	0	1	1	1	0	1	1
145.0	1	1	0	1	1	1	0	1	1
150.0	1	1	0	1	1	1	0	0	1
155.0	0	0	1	1	1	0	1	1	1
160.0	1	0	1	0	1	0	1	1	1
165.0	0	0	0	0	0	0	1	0	0
170.0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0



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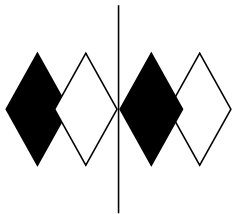
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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	0.0
5- 10	6.5
10- 15	14.5
15- 20	16.3
20- 25	13.1
25- 30	7.8
30- 35	4.1
35- 40	2.3
40- 45	1.6
45- 50	1.2
50- 55	0.8
55- 60	0.5
60- 65	0.5
65- 70	0.3
70- 75	0.3
75- 80	0.2
80- 85	0.3
85- 90	0.4
90- 95	0.3
95-100	0.3
100-105	0.4
105-110	0.3
110-115	0.2
115-120	0.2
120-125	0.2
125-130	0.2
130-135	0.2
135-140	0.2
140-145	0.2
145-150	0.1
150-155	0.1
155-160	0.1
160-165	0.1
165-170	0.0
170-175	0.0
175-180	0.0

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	6.5
0- 20	37.3
0- 30	58.2
0- 40	64.5
0- 50	67.4
0- 60	68.8
0- 70	69.6
0- 80	70.1
0- 90	70.7
0-100	71.3
0-110	72.1
0-120	72.5
0-130	72.9
0-140	73.3
0-150	73.6
0-160	73.8
0-170	74.0
0-180	74.0



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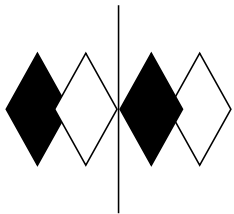
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# COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	112	109	107	104	109	107	104	102	102	100	98	97	96	95	93	92	91	89
2	107	102	98	94	104	100	96	93	96	93	90	92	90	88	89	87	85	83
3	101	95	90	86	99	93	89	85	90	86	83	87	84	82	84	82	80	78
4	97	89	84	80	95	88	83	79	85	81	78	83	79	76	80	77	75	73
5	92	84	78	74	90	83	78	74	81	76	73	78	75	72	77	73	71	69
6	88	79	74	69	86	78	73	69	76	72	68	75	71	67	73	69	67	65
7	84	75	69	65	82	74	69	65	73	68	64	71	67	64	70	66	63	62
8	80	71	65	62	79	70	65	61	69	64	61	68	63	60	66	63	60	58
9	77	68	62	58	75	67	62	58	66	61	58	65	60	57	63	60	57	55
10	74	64	59	55	72	64	59	55	63	58	55	62	57	54	61	57	54	53

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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