

REPORT NUMBER: ITL71505

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ISSUE DATE: 02/01/12

PREPARED FOR: [REDACTED]

CATALOG NUMBER: [REDACTED]

LUMINAIRE: EXTRUDED DIFFUSE METAL HOUSING WITH FLAT DIFFUSE METAL END PLATES, 2 GREEN CIRCUIT BOARDS WITH 12 LEDS, MOLDED TRANSLUCENT PLASTIC CENTER PHOTOCELL COVER PROTRUDING BELOW CENTER OF LENS 0.3125", EXTRUDED CLEAR LINEAR PRISMATIC PLASTIC LENS, LENS PRISMS OUT AND PARALLEL WITH LENGTH OF HOUSING.

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

TOTAL INPUT WATTS = 9.62 AT 120.0 VOLTS

MOUNTING: SURFACE

LED DRIVER: PROPRIETARY LED DRIVER, ZB ZB-A120040-A POWER SUPPLY.

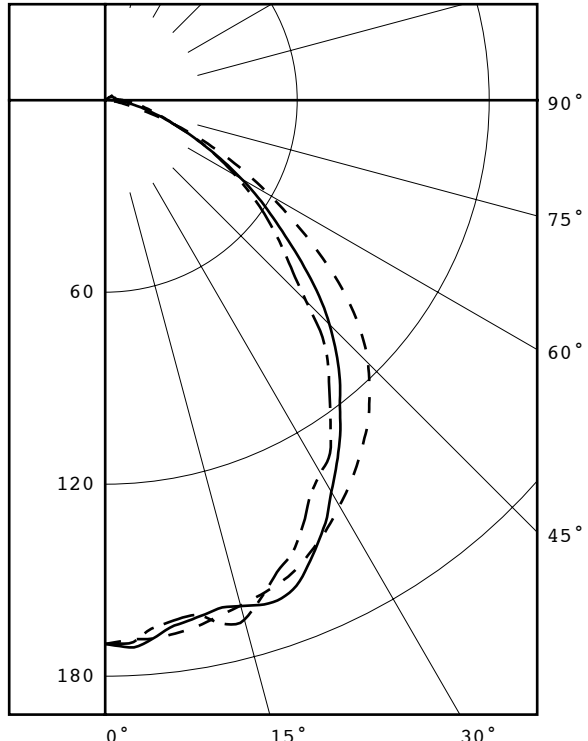
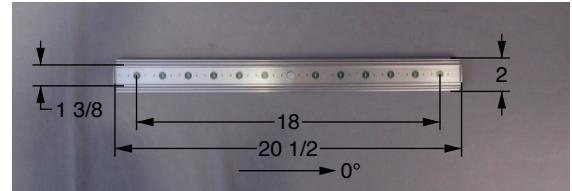
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE POWER SUPPLY. LED DRIVER INFORMATION PROVIDED BY CLIENT.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 25.25 FEET

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	170	170	170	170	170	
5	169	169	169	166	166	16
15	164	159	164	168	168	46
25	154	155	155	149	146	70
35	138	143	128	126	123	82
45	116	108	99	94	89	78
55	80	74	64	60	60	60
65	42	40	35	35	35	37
75	12	15	16	17	17	17
85	2	4	6	8	9	6
90	0	1	3	5	6	
95	0	0	1	3	4	2
105	0	0	1	2	3	1
115	0	0	1	2	3	1
125	0	0	0	1	2	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	0



LEGEND:  
0-deg - - - - -  
45-deg = = = = =  
90-deg - - - - -

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	132	31.8
0- 40	214	51.4
0- 60	351	84.5
0- 90	411	98.9
90-120	4	1.0
90-130	4	1.1
90-150	4	1.1
90-180	4	1.1
0-180	416	100.0

EFFICACY = 43.2 Lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.28 1.19

Checked S.BERGIN.....  
Approved R.BEATTIE.....  
Lighting Engineer



INDEPENDENT TESTING LABORATORIES, INC.  
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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	170	170	170	170	170
5.0	169	169	169	166	166
10.0	167	165	164	163	163
15.0	164	159	164	168	168
20.0	160	157	165	159	157
25.0	154	155	155	149	146
30.0	146	150	141	135	135
35.0	138	143	128	126	123
40.0	128	127	114	109	108
45.0	116	108	99	94	89
50.0	100	91	81	74	73
55.0	80	74	64	60	60
60.0	60	57	49	47	47
65.0	42	40	35	35	35
70.0	25	26	24	24	24
75.0	12	15	16	17	17
80.0	5	8	10	12	12
85.0	2	4	6	8	9
90.0	0	1	3	5	6
95.0	0	0	1	3	4
100.0	0	0	1	3	3
105.0	0	0	1	2	3
110.0	0	0	1	2	2
115.0	0	0	1	2	3
120.0	0	0	0	2	3
125.0	0	0	0	1	2
130.0	0	0	0	0	0
135.0	0	0	0	0	0
140.0	0	0	0	0	0
145.0	0	0	0	0	0
150.0	0	0	0	0	0
155.0	0	0	0	0	0
160.0	0	0	0	0	0
165.0	0	0	0	0	0
170.0	0	0	0	0	0
175.0	0	0	0	0	0
180.0	0	0	0	0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

Table with 2 columns: Range (e.g., 0-5, 5-10) and Lumen value (e.g., 4., 12., 19.).

10-DEGREE
ZONAL LUMEN SUMMARY

Table with 2 columns: Range (e.g., 0-10, 0-20) and Lumen value (e.g., 16., 62., 132.).



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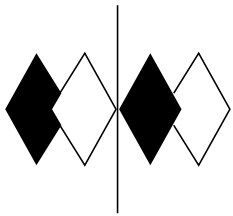
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	101	101	101	99
1	110	105	101	98	98	107	103	99	96	98	96	93	94	92	90	91	89	87	85	
2	101	93	87	81	81	98	91	85	80	87	83	78	84	80	76	81	78	75	72	
3	92	82	75	69	69	90	81	74	68	78	72	67	75	70	66	72	68	64	62	
4	85	74	65	59	59	83	72	65	59	70	63	58	67	62	57	65	60	56	54	
5	78	66	58	52	52	76	65	57	51	63	56	51	61	55	50	59	54	49	47	
6	73	60	51	45	45	71	59	51	45	57	50	45	55	49	44	54	48	44	42	
7	67	55	46	40	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37	
8	63	50	42	36	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33	
9	59	46	38	33	33	57	45	38	33	44	37	32	43	37	32	42	36	32	30	
10	55	42	35	30	30	54	42	35	30	41	34	29	40	34	29	39	33	29	27	

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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