

REPORT NUMBER: ITL74589

PAGE: 1 OF 5

ISSUE DATE: 10/01/12

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: 79201 EDGE 3.0 1FT

LUMINAIRE: EXTRUDED SEMI-SPECULAR METAL HOUSING, BLACK PLASTIC END CAPS, 1 WHITE CIRCUIT BOARD WITH 12 LEDS, FROSTED PLASTIC DIFFUSER. DIFFUSER FROSTED SIDE OUT.

LAMPS: TWELVE WHITE LIGHT EMITTING DIODES (LEDs), TILTED 25-DEGREES FROM VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS = 4.01 AT 120.0 VOLTS

MOUNTING: SURFACE

LED DRIVER: FINELITE PROPRIETARY LED DRIVER

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE

PROVIDED AT RATED INPUT VOLTAGE

(120VAC, 60Hz) TO THE LED DRIVER. A

12-FOOT POWER CORD EXTENDS FROM THE

POWER SUPPLY TO THE LED ASSEMBLY.

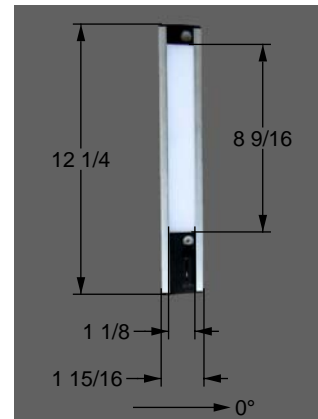
LUMINAIRE HAS AN ADJUSTABLE DIMMER

SWITCH. THIS TEST PERFORMED WITH THE

SWITCH IN THE HIGHEST OUTPUT SETTING.

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	64.9	64.9	64.9	64.9	64.9	6
5	67.9	66.9	64.6	62.4	61.4	18
15	72.3	69.3	62.2	55.3	52.3	26
25	73.5	68.7	57.1	46.0	41.1	31
35	71.4	64.9	50.1	35.2	28.8	32
45	66.5	58.8	41.5	24.3	17.2	29
55	58.9	50.5	31.8	13.6	4.5	23
65	49.3	40.7	21.7	2.4	0.2	16
75	38.3	30.0	12.0	0.0	0.0	10
85	26.9	19.3	3.3	0.0	0.0	5
90	21.5	14.3	0.0	0.0	0.0	1
95	16.0	9.3	0.0	0.0	0.0	0
105	2.6	0.3	0.0	0.0	0.0	0
115	0.0	0.0	0.0	0.0	0.0	0
125	0.0	0.0	0.0	0.0	0.0	0
135	0.0	0.0	0.0	0.0	0.0	0
145	0.0	0.0	0.0	0.0	0.0	0
155	0.0	0.0	0.0	0.0	0.0	0
165	0.0	0.0	0.0	0.0	0.0	0
175	0.0	0.0	0.0	0.0	0.0	0
180	0.0	0.0	0.0	0.0	0.0	0

ZONAL LUMEN SUMMARY

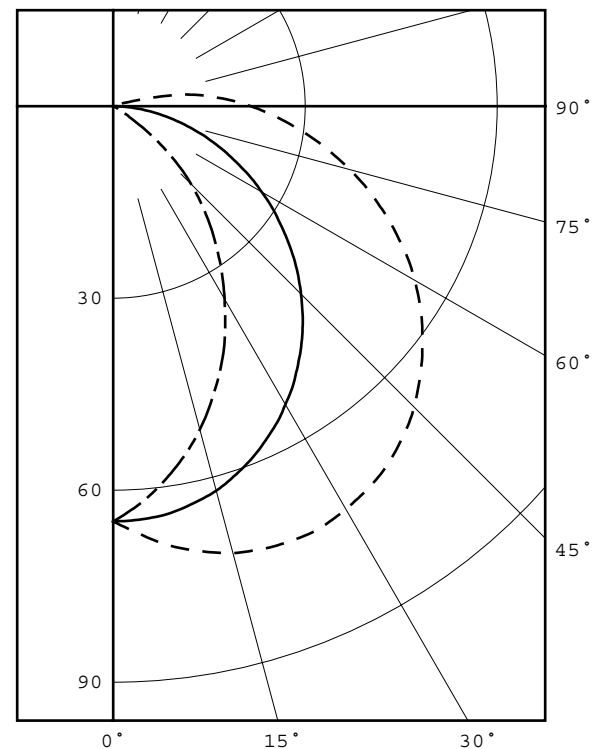
ZONE	LUMENS	%FIXT
0- 30	50	25.6
0- 40	81	41.6
0- 60	142	72.5
0- 90	191	97.3
90-120	5	2.7
90-130	5	2.7
90-150	5	2.7
90-180	5	2.7
0-180	196	100.0

EFFICACY = 48.9 lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG 180-DEG

SPACING CRITERIA : 1.63 1.23 0.89



LEGEND:

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

Checked S. BERGIN
Approved R. BEATTIE
Lighting Engineer



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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	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
5.0	67.9	67.7	66.9	65.9	64.6	63.4	62.4	61.8	61.4
10.0	70.4	69.9	68.4	66.3	63.7	61.3	59.1	57.7	57.1
15.0	72.3	71.6	69.3	66.0	62.2	58.4	55.3	53.1	52.3
20.0	73.2	72.2	69.3	65.0	59.9	55.0	50.8	48.0	46.8
25.0	73.5	72.2	68.7	63.4	57.1	51.1	46.0	42.4	41.1
30.0	72.7	71.3	67.1	61.0	53.8	46.7	40.7	36.4	34.8
35.0	71.4	69.7	64.9	58.1	50.1	42.1	35.2	30.5	28.8
40.0	69.3	67.4	62.2	54.7	46.0	37.2	29.7	24.7	23.0
45.0	66.5	64.4	58.8	50.9	41.5	32.1	24.3	19.1	17.2
50.0	62.9	60.6	54.8	46.6	36.8	27.0	19.0	13.2	10.9
55.0	58.9	56.5	50.5	42.0	31.8	22.0	13.6	6.8	4.5
60.0	54.4	52.0	45.8	37.1	26.8	17.0	7.8	2.0	1.3
65.0	49.3	47.0	40.7	31.9	21.7	12.1	2.4	0.5	0.2
70.0	43.9	41.6	35.4	26.6	16.8	7.3	0.4	0.0	0.0
75.0	38.3	36.0	30.0	21.4	12.0	2.2	0.0	0.0	0.0
80.0	32.6	30.4	24.6	16.4	7.5	0.1	0.0	0.0	0.0
85.0	26.9	24.9	19.3	11.6	3.3	0.0	0.0	0.0	0.0
90.0	21.5	19.6	14.3	7.0	0.0	0.0	0.0	0.0	0.0
95.0	16.0	14.2	9.3	2.2	0.0	0.0	0.0	0.0	0.0
100.0	10.2	8.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
105.0	2.6	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
110.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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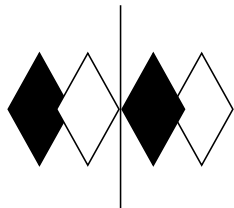
PAGE: 3 OF 5

5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	2
5- 10	5
10- 15	7
15- 20	10
20- 25	12
25- 30	14
30- 35	15
35- 40	16
40- 45	16
45- 50	16
50- 55	15
55- 60	14
60- 65	12
65- 70	10
70- 75	9
75- 80	7
80- 85	6
85- 90	4
90- 95	3
95-100	2
100-105	1
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	6
0- 20	24
0- 30	50
0- 40	81
0- 50	113
0- 60	142
0- 70	165
0- 80	181
0- 90	191
0-100	195
0-110	196
0-120	196
0-130	196
0-140	196
0-150	196
0-160	196
0-170	196
0-180	196



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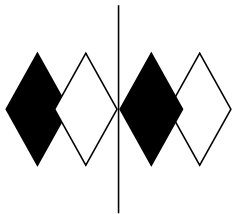
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	110	110	104	104	104	100	100	100	97
1	107	101	96	92	104	99	94	90	94	90	87	89	87	84	85	83	81	78
2	97	88	80	74	94	86	79	73	82	76	71	78	73	69	74	71	67	65
3	88	77	68	62	85	75	67	61	72	65	59	69	63	58	66	61	57	54
4	81	68	59	52	78	67	58	51	64	56	50	61	55	49	58	53	48	46
5	74	61	52	45	72	60	51	44	57	49	44	55	48	43	53	47	42	40
6	68	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	50	41	34	61	49	40	34	47	39	34	45	38	33	44	38	33	31
8	59	45	37	31	57	44	36	31	43	36	30	41	35	30	40	34	30	28
9	55	42	33	28	54	41	33	28	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	35	29	24	34	28	24	22

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.

NOTE: THE ZONAL CAVITY CALCULATION TECHNIQUE IS ACCURATE WHEN LUMINAIRES WITH SYMMETRIC CANDELA DISTRIBUTIONS ARE EMPLOYED AND WHEN THE LUMINAIRES ARE LOCATED SYMMETRICALLY THROUGHOUT THE ROOM. THIS UNIT HAS SPECIAL CHARACTERISTICS AND THEREFORE THESE COEFFICIENTS SHOULD BE USED WITH CAUTION.



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