

REPORT NUMBER: ITL74590

PAGE: 1 OF 5

ISSUE DATE: 10/02/12

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: 79202 EDGE 3.0 2FT

LUMINAIRE: EXTRUDED SEMI-SPECULAR METAL HOUSING, BLACK PLASTIC END CAPS, 1 WHITE CIRCUIT BOARD WITH 24 LEDS, FROSTED PLASTIC DIFFUSER. DIFFUSER FROSTED SIDE OUT.

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

TOTAL INPUT WATTS = 6.11 AT 120.0 VOLTS

MOUNTING: SURFACE

LED DRIVER: FINELITE PROPRIETARY LED DRIVER

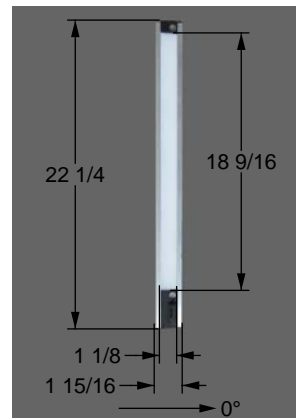
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE

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

	0.0	45.0	90.0	135.0	180.0	FLUX
0	124	124	124	124	124	12
5	131	129	123	120	118	34
15	139	134	119	106	100	51
25	142	133	110	88	79	61
35	138	126	97	68	56	62
45	128	115	81	47	33	55
55	114	99	62	26	8	44
65	96	80	43	4	0	31
75	75	59	24	0	0	20
85	53	39	7	0	0	9
90	42	29	0	0	0	1
95	32	19	0	0	0	0
105	5	1	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	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

#### ZONAL LUMEN SUMMARY

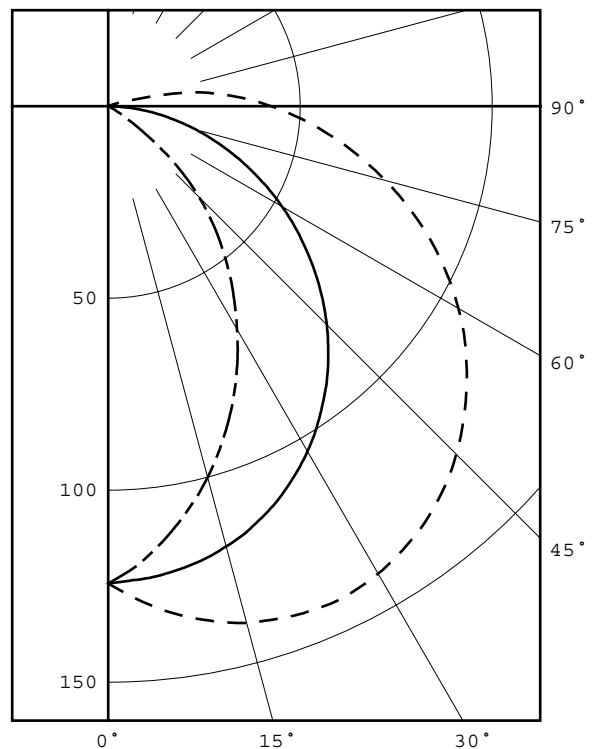
ZONE	LUMENS	%FIXT
0- 30	96	25.3
0- 40	157	41.2
0- 60	274	72.2
0- 90	369	97.2
90-120	11	2.8
90-130	11	2.8
90-150	11	2.8
90-180	11	2.8
0-180	380	100.0

EFFICACY = 62.2 lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG 180-DEG

SPACING CRITERIA : 1.64 1.24 0.89

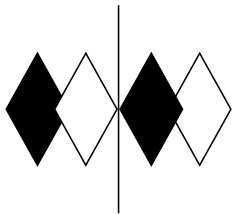


LEGEND:

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

Checked B. HYRE

Approved R. BEATTIE  
Lighting Engineer



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INDEPENDENT TESTING LABORATORIES, INC.  
3386 LONGHORN ROAD, BOULDER, CO 80302 USA

PHONE: (303)442-1255 • FAX: (303)449-5274 • E-MAIL: [itl@itlboulder.com](mailto:itl@itlboulder.com) • WEBSITE: [www.itlboulder.com](http://www.itlboulder.com)

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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	124	124	124	124	124	124	124	124	124
5.0	131	130	129	126	123	121	120	118	118
10.0	136	134	132	127	122	117	114	110	109
15.0	139	138	134	126	119	112	106	102	100
20.0	141	139	134	125	115	105	98	92	90
25.0	142	139	133	122	110	98	88	81	79
30.0	141	138	130	118	104	90	78	70	67
35.0	138	135	126	113	97	81	68	59	56
40.0	134	130	121	106	89	72	57	48	45
45.0	128	125	115	99	81	62	47	37	33
50.0	121	118	107	91	71	52	37	25	21
55.0	114	110	99	82	62	43	26	13	8
60.0	105	101	90	72	52	33	15	4	3
65.0	96	92	80	62	43	24	4	1	0
70.0	86	81	69	52	33	14	1	0	0
75.0	75	71	59	42	24	4	0	0	0
80.0	64	60	49	33	15	0	0	0	0
85.0	53	49	39	23	7	0	0	0	0
90.0	42	39	29	14	0	0	0	0	0
95.0	32	29	19	4	0	0	0	0	0
100.0	20	17	5	0	0	0	0	0	0
105.0	5	4	1	0	0	0	0	0	0
110.0	1	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	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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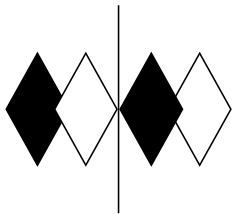
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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	3
5- 10	9
10- 15	14
15- 20	19
20- 25	24
25- 30	27
30- 35	30
35- 40	31
40- 45	31
45- 50	31
50- 55	29
55- 60	26
60- 65	23
65- 70	20
70- 75	17
75- 80	14
80- 85	11
85- 90	8
90- 95	6
95-100	3
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	12
0- 20	45
0- 30	96
0- 40	157
0- 50	219
0- 60	274
0- 70	318
0- 80	350
0- 90	369
0-100	379
0-110	380
0-120	380
0-130	380
0-140	380
0-150	380
0-160	380
0-170	380
0-180	380



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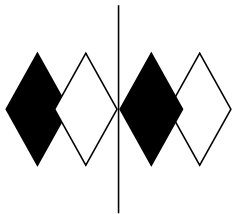
# COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	99	99	97
1	107	101	96	92	103	99	94	90	94	90	87	89	86	84	85	83	81	78
2	97	88	80	74	94	85	79	73	81	76	71	78	73	69	74	70	67	64
3	88	77	68	61	85	75	67	61	71	65	59	68	63	58	65	60	56	54
4	80	68	59	52	78	66	58	51	63	56	50	61	54	49	58	53	48	46
5	74	61	51	45	72	59	51	44	57	49	43	55	48	43	52	47	42	40
6	68	55	45	39	66	53	45	39	51	44	38	49	43	37	48	42	37	35
7	63	49	41	34	61	49	40	34	47	39	34	45	38	33	43	37	33	31
8	59	45	37	31	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	41	33	27	39	32	27	38	31	27	37	31	26	25
10	52	38	30	25	50	38	30	25	36	29	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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ADDRESS: 30500 WHIPPLE ROAD  
UNION CITY, CA 94587

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