

REPORT NUMBER: ITL85174

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ISSUE DATE: 09/21/15

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: E1-I-L-4ft-V-8-35

LUMINAIRE: EXTRUDED METAL STRIP HOUSING WITH WHITE PAINTED GENERAL

INTERIOR FINISH, 2 WHITE CIRCUIT BOARDS EACH WITH 40 LEDS, EXTRUDED FROSTED HOLOGRAPHIC PLASTIC LENS. LENS FROSTED BOTH SIDES.

LAMPS: EIGHTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-DOWN POSITION.

INPUT ELECTRICAL: 277.0 VOLTS, 20.7 WATTS, 0.0808 AMPS

MOUNTING: SUSPENDED

LED DRIVER: OSRAM OT25W/PRG1250C/UNV/DIM, DRIVER HAS MULTIPLE LEADS, ONLY LINE INPUT AND LED OUTPUT LEADS CONNECTED FOR THIS TEST. CLIENT STATES DRIVER PROGRAMMED FOR 700mA OUTPUT.

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (277VAC, 60Hz) TO THE DRIVER.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 35.0 FEET

CANDELA DISTRIBUTION

FLUX

	0.0	22.5	45.0	67.5	90.0	
0	0	0	0	0	0	0
5	0	0	1	1	0	0
15	0	1	3	4	4	1
25	0	3	6	7	7	2
35	0	4	8	10	9	4
45	0	5	10	11	11	6
55	0	6	10	11	11	7
65	0	6	11	12	12	9
75	0	6	11	11	11	9
85	0	7	12	14	14	12
90	0	8	16	21	20	
95	19	24	30	39	37	35
105	110	94	83	93	97	100
115	265	227	174	164	167	195
125	447	417	335	285	277	314
135	612	588	558	487	455	417
145	738	716	708	697	686	441
155	823	805	803	796	796	370
165	875	864	864	859	858	244
175	899	899	896	894	893	85
180	902	902	902	902	902	

ZONAL LUMEN SUMMARY

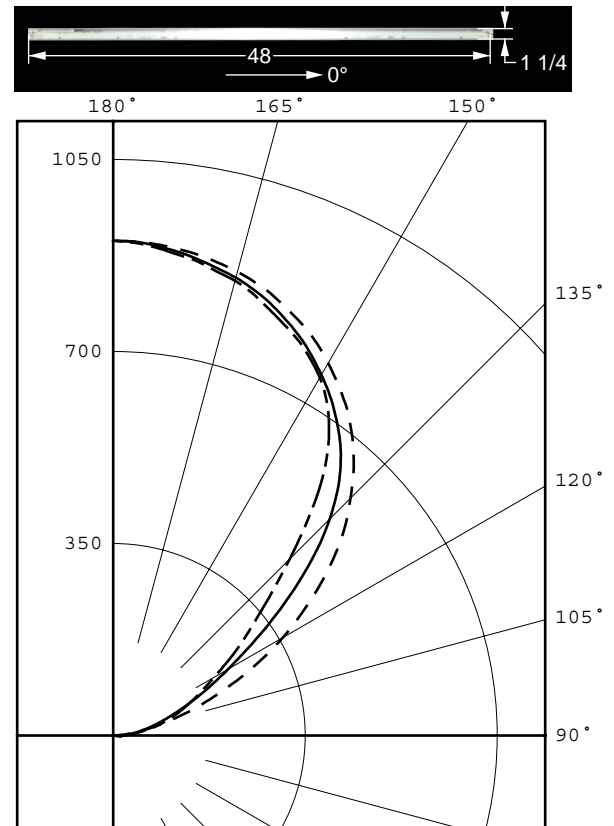
ZONE	LUMENS	%FIXT
0- 30	3	0.1
0- 40	7	0.3
0- 60	21	0.9
0- 90	50	2.2
90-120	331	14.7
90-130	644	28.6
90-150	1502	66.7
90-180	2201	97.8
0-180	2251	100.0

EFFICACY (277V) = 108.7 lm/W

EFFICACY (120V) = 114.8 lm/W **

** THE EFFICACY AT 120 VOLTS IS BASED ON THE LUMENS FROM THIS REPORT AND THE WATTAGE MEASURED AT 120 VOLTS FROM ITL REPORT NUMBER ITL85174-THD.

CIE TYPE - INDIRECT



LEGEND:

0-deg -----
45-deg =====
90-deg -----

Checked M KLOPF
Approved R BEATTIE
Lighting Engineer



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CANDELA DISTRIBUTION LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	0	0	0	0	0
5.0	0	0	1	1	0
10.0	0	1	2	3	2
15.0	0	1	3	4	4
20.0	0	2	5	6	6
25.0	0	3	6	7	7
30.0	0	3	7	9	8
35.0	0	4	8	10	9
40.0	0	5	9	10	10
45.0	0	5	10	11	11
50.0	0	6	10	11	11
55.0	0	6	10	11	11
60.0	0	6	10	12	12
65.0	0	6	11	12	12
70.0	0	6	11	12	12
75.0	0	6	11	11	11
80.0	0	6	11	12	12
85.0	0	7	12	14	14
90.0	0	8	16	21	20
95.0	19	24	30	39	37
100.0	57	52	53	64	64
105.0	110	94	83	93	97
110.0	180	151	121	125	130
115.0	265	227	174	164	167
120.0	357	319	242	216	213
125.0	447	417	335	285	277
130.0	536	506	448	372	351
135.0	612	588	558	487	455
140.0	681	658	645	608	583
145.0	738	716	708	697	686
150.0	784	765	759	755	753
155.0	823	805	803	796	796
160.0	853	837	838	832	828
165.0	875	864	864	859	858
170.0	890	886	882	878	878
175.0	899	899	896	894	893
180.0	902	902	902	902	902



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	0
5- 10	0
10- 15	0
15- 20	1
20- 25	1
25- 30	1
30- 35	2
35- 40	2
40- 45	3
45- 50	3
50- 55	4
55- 60	4
60- 65	4
65- 70	4
70- 75	4
75- 80	5
80- 85	5
85- 90	6
90- 95	12
95-100	24
100-105	40
105-110	60
110-115	84
115-120	112
120-125	142
125-130	172
130-135	199
135-140	218
140-145	225
145-150	217
150-155	198
155-160	172
160-165	140
165-170	104
170-175	64
175-180	21

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	0
0- 20	1
0- 30	3
0- 40	7
0- 50	13
0- 60	21
0- 70	29
0- 80	38
0- 90	50
0-100	85
0-110	185
0-120	381
0-130	694
0-140	1111
0-150	1552
0-160	1922
0-170	2166
0-180	2251



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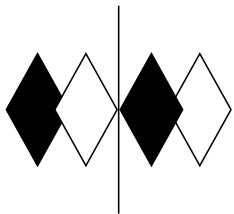
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	96	96	96	82	82	82	82	57	57	57	34	34	34	12	12	12	2
1	87	83	79	76	74	71	68	65	49	47	46	29	28	27	10	10	10	1
2	79	72	66	61	67	62	57	53	43	40	37	25	24	22	9	8	8	1
3	72	63	56	51	61	54	49	44	38	34	31	22	20	19	8	7	7	1
4	65	56	48	43	56	48	42	37	33	29	26	20	17	16	7	6	6	1
5	60	49	42	36	51	42	36	31	29	25	22	17	15	13	6	5	5	0
6	55	44	36	31	47	38	31	27	26	22	19	15	13	12	5	5	4	0
7	50	39	32	27	43	34	28	23	24	19	17	14	12	10	5	4	4	0
8	47	35	28	23	40	30	24	20	21	17	14	13	10	9	4	4	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	4	3	2	0

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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