

REPORT NUMBER: ITL85127

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ISSUE DATE: 08/07/15

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: HP-4-I-4ft-V-8-35

LUMINAIRE: EXTRUDED WHITE PAINTED METAL HOUSING WITH WHITE PAINTED FLAT METAL END CAPS, FORMED WHITE PAINTED METAL REFLECTOR/CIRCUIT BOARD MOUNT, 4 CIRCUIT BOARDS EACH WITH 40 LEDS, EXTRUDED FROSTED PLASTIC DIFFUSER. DIFFUSER FROSTED BOTH SIDES.

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

INPUT ELECTRICAL: 277.0 VOLTS, 37.6 WATTS, 0.144 AMPS

MOUNTING: SUSPENDED

LED DRIVER: OSRAM OT50W/PRG1400C/UNV/DIM/L, 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

	0.0	22.5	45.0	67.5	90.0	FLUX
90	0	0	0	0	0	
95	76	77	79	80	80	88
105	264	263	267	270	269	283
115	487	481	482	489	484	479
125	714	715	714	708	710	637
135	943	947	947	940	937	727
145	1161	1151	1166	1155	1151	724
155	1343	1332	1341	1338	1331	616
165	1475	1467	1473	1471	1468	414
175	1542	1542	1543	1543	1542	146
180	1552	1552	1552	1552	1552	

## ZONAL LUMEN SUMMARY

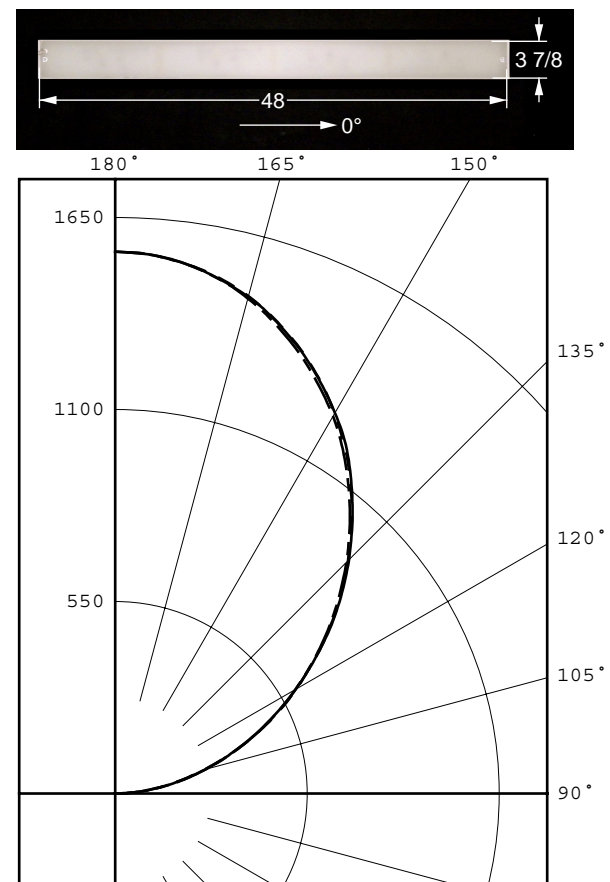
ZONE	LUMENS	%FIXT
0- 90	0	0.0
90-120	850	20.7
90-130	1487	36.1
90-150	2938	71.4
90-180	4114	100.0
0-180	4114	100.0

EFFICACY (277V) = 109.4 lm/W

EFFICACY (120V) = 111.8 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 ITL85127-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
90.0	0	0	0	0	0
92.5	35	36	37	37	38
95.0	76	77	79	80	80
97.5	120	120	123	125	125
100.0	165	166	169	172	172
102.5	213	212	217	220	220
105.0	264	263	267	270	269
107.5	317	314	320	322	321
110.0	373	368	372	375	374
112.5	429	425	427	432	429
115.0	487	481	482	489	484
117.5	544	537	539	544	540
120.0	600	595	597	595	596
122.5	655	652	655	652	653
125.0	714	715	714	708	710
127.5	772	775	775	766	767
130.0	830	834	833	823	824
132.5	886	890	890	881	880
135.0	943	947	947	940	937
137.5	998	999	1002	996	991
140.0	1055	1052	1058	1052	1046
142.5	1108	1104	1112	1104	1099
145.0	1161	1151	1166	1155	1151
147.5	1210	1201	1216	1204	1201
150.0	1257	1248	1259	1252	1248
152.5	1302	1291	1301	1297	1290
155.0	1343	1332	1341	1338	1331
157.5	1381	1370	1379	1376	1370
160.0	1415	1404	1413	1409	1405
162.5	1447	1437	1446	1442	1439
165.0	1475	1467	1473	1471	1468
167.5	1498	1491	1495	1496	1494
170.0	1517	1513	1515	1515	1514
172.5	1531	1530	1531	1531	1531
175.0	1542	1542	1543	1543	1542
177.5	1550	1549	1549	1549	1550
180.0	1552	1552	1552	1552	1552



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5-DEGREE  
ZONAL LUMEN SUMMARY

90- 95	21
95-100	67
100-105	116
105-110	167
110-115	217
115-120	263
120-125	302
125-130	335
130-135	358
135-140	369
140-145	369
145-150	355
150-155	328
155-160	288
160-165	237
165-170	177
170-175	109
175-180	37

10-DEGREE  
ZONAL LUMEN SUMMARY

90-100	88
90-110	370
90-120	850
90-130	1487
90-140	2214
90-150	2938
90-160	3553
90-170	3968
90-180	4114



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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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	57	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	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	3	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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