

REPORT NUMBER: ITL85134

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ISSUE DATE: 08/12/15

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: HP-2-I-4ft-V-8-35

LUMINAIRE: EXTRUDED WHITE PAINTED METAL HOUSING WITH CAST WHITE PAINTED METAL END CAPS, FABRICATED WHITE PAINTED METAL CIRCUIT BOARD MOUNTING STRIPS, 2 WHITE CIRCUIT BOARDS EACH WITH 40 LEDS, 1 WHITE CIRCUIT BOARD WITH 80 LEDS, EXTRUDED TRANSLUCENT WHITE 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, 37.5 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	72	73	73	72	72	80
105	245	243	240	236	237	254
115	439	436	433	424	422	427
125	651	644	642	633	632	573
135	868	856	859	849	846	660
145	1074	1061	1062	1056	1051	663
155	1249	1235	1241	1235	1229	570
165	1374	1366	1370	1367	1365	386
175	1439	1439	1439	1439	1439	136
180	1448	1448	1448	1448	1448	

ZONAL LUMEN SUMMARY

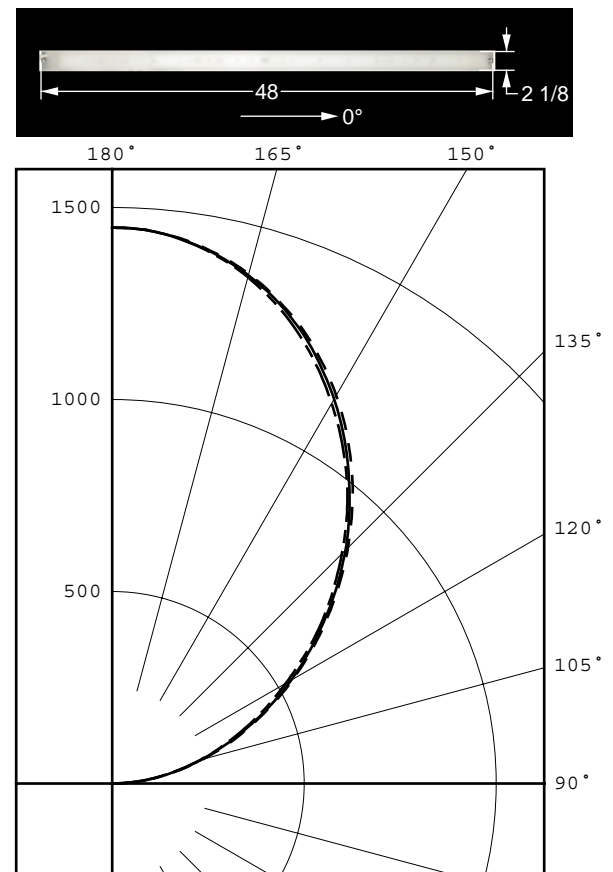
ZONE	LUMENS	%FIXT
0- 90	0	0.0
90-120	762	20.3
90-130	1335	35.6
90-150	2657	70.9
90-180	3749	100.0
0-180	3749	100.0

EFFICACY (277V) = 100.0 lm/W

EFFICACY (120V) = 102.2 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 ITL85134-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	31	33	34	33	34
95.0	72	73	73	72	72
97.5	114	114	113	112	112
100.0	156	154	153	152	152
102.5	200	197	196	193	194
105.0	245	243	240	236	237
107.5	292	290	285	281	282
110.0	341	337	333	327	326
112.5	388	387	382	375	373
115.0	439	436	433	424	422
117.5	492	488	485	474	471
120.0	544	539	538	526	522
122.5	597	591	590	580	575
125.0	651	644	642	633	632
127.5	705	698	696	687	686
130.0	759	749	751	741	740
132.5	814	803	805	795	792
135.0	868	856	859	849	846
137.5	921	910	911	903	900
140.0	974	961	962	955	953
142.5	1025	1012	1012	1007	1003
145.0	1074	1061	1062	1056	1051
147.5	1122	1107	1110	1102	1098
150.0	1167	1152	1156	1149	1143
152.5	1209	1195	1199	1193	1187
155.0	1249	1235	1241	1235	1229
157.5	1286	1272	1279	1273	1268
160.0	1318	1307	1313	1308	1304
162.5	1348	1338	1344	1339	1336
165.0	1374	1366	1370	1367	1365
167.5	1396	1391	1393	1391	1390
170.0	1414	1412	1412	1411	1410
172.5	1429	1428	1427	1428	1427
175.0	1439	1439	1439	1439	1439
177.5	1446	1446	1446	1445	1446
180.0	1448	1448	1448	1448	1448



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5-DEGREE
ZONAL LUMEN SUMMARY

90- 95	19
95-100	61
100-105	105
105-110	149
110-115	193
115-120	234
120-125	271
125-130	302
130-135	324
135-140	336
140-145	337
145-150	326
150-155	302
155-160	267
160-165	221
165-170	165
170-175	102
175-180	35

10-DEGREE
ZONAL LUMEN SUMMARY

90-100	80
90-110	335
90-120	762
90-130	1335
90-140	1995
90-150	2657
90-160	3227
90-170	3613
90-180	3749



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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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