

REPORT NUMBER: ITL80856

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ISSUE DATE: 02/24/14

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: ACC-HO-35K-4-LOH-UNV

LUMINAIRE: EXTRUDED METAL HOUSING, FABRICATED METAL END CAPS WITH SEMI-SPECULAR INTERIOR, FORMED WHITE PAINTED METAL REFLECTOR/CIRCUIT BOARD MOUNT, 4 WHITE CIRCUIT BOARDS EACH WITH 36 LEDS, EXTRUDED CLEAR PLASTIC LENS WITH WHITE SIDES AND HOLOGRAPHIC PLASTIC OVERLAY.

LAMPS: ONE HUNDRED FORTY-FOUR WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS = 41.5 AT 120.0 VOLTS

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 1000mA OUTPUT.

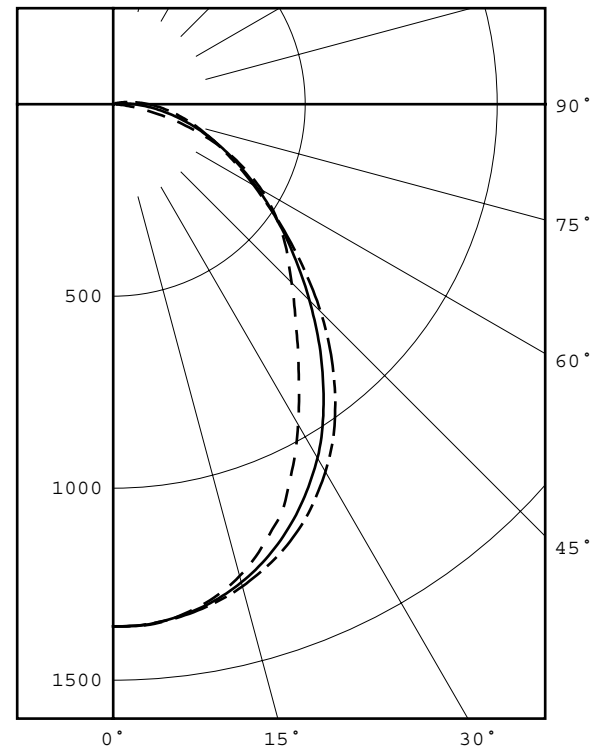
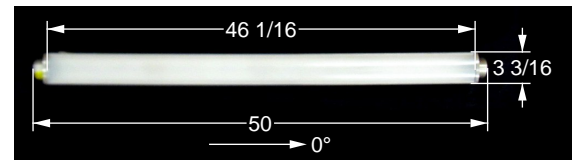
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 35.0 FEET

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1360	1360	1360	1360	1360	
5	1356	1350	1354	1358	1354	128
15	1272	1265	1289	1301	1300	362
25	1086	1103	1154	1184	1188	526
35	842	872	955	998	1006	586
45	657	671	723	758	764	553
55	520	517	518	520	521	466
65	361	356	352	345	343	349
75	168	184	213	223	225	217
85	21	54	98	123	131	99
90	0	19	56	83	92	
95	0	4	26	49	58	31
105	0	1	4	11	14	7
115	0	0	1	3	4	2
125	0	0	1	2	2	1
135	0	0	1	1	2	1
145	0	0	0	1	1	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



LEGEND:
0-deg - - - - -
45-deg = = = = =
90-deg - - - - -

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1016	30.5
0- 40	1602	48.2
0- 60	2620	78.8
0- 90	3284	98.8
90-120	40	1.2
90-130	41	1.2
90-150	42	1.2
90-180	42	1.2
0-180	3326	100.0

EFFICACY = 80.1 lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.09 1.21

Checked M KLOPF
Approved R BEATTIE
Lighting Engineer



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INDEPENDENT TESTING LABORATORIES, INC.
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LUMINANCE DATA IN CANDELA/SQ M			
ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	9811.	10796.	11409.
55	9572.	9536.	9591.
65	9010.	8786.	8320.
75	6853.	8092.	7648.
85	2543.	6519.	6837.



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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	1360	1360	1360	1360	1360
5.0	1356	1350	1354	1358	1354
10.0	1325	1320	1330	1336	1334
15.0	1272	1265	1289	1301	1300
20.0	1191	1193	1230	1250	1252
25.0	1086	1103	1154	1184	1188
30.0	963	988	1064	1100	1105
35.0	842	872	955	998	1006
40.0	739	763	839	882	889
45.0	657	671	723	758	764
50.0	589	591	615	635	636
55.0	520	517	518	520	521
60.0	446	440	431	424	423
65.0	361	356	352	345	343
70.0	267	269	279	280	279
75.0	168	184	213	223	225
80.0	79	109	152	170	175
85.0	21	54	98	123	131
90.0	0	19	56	83	92
95.0	0	4	26	49	58
100.0	0	1	10	25	31
105.0	0	1	4	11	14
110.0	0	1	2	5	7
115.0	0	0	1	3	4
120.0	0	0	1	2	2
125.0	0	0	1	2	2
130.0	0	0	1	2	2
135.0	0	0	1	1	2
140.0	0	0	1	1	1
145.0	0	0	0	1	1
150.0	0	0	0	0	0
155.0	0	0	0	0	0
160.0	0	0	0	0	0
165.0	0	0	0	0	0
170.0	0	0	0	0	0
175.0	0	0	0	0	0
180.0	0	0	0	0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	32
5- 10	96
10- 15	155
15- 20	207
20- 25	249
25- 30	277
30- 35	292
35- 40	294
40- 45	285
45- 50	268
50- 55	246
55- 60	220
60- 65	190
65- 70	158
70- 75	125
75- 80	92
80- 85	61
85- 90	37
90- 95	21
95-100	10
100-105	5
105-110	2
110-115	1
115-120	1
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	128
0- 20	490
0- 30	1016
0- 40	1602
0- 50	2155
0- 60	2620
0- 70	2969
0- 80	3185
0- 90	3284
0-100	3315
0-110	3322
0-120	3324
0-130	3325
0-140	3325
0-150	3326
0-160	3326
0-170	3326
0-180	3326



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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	119	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	108	104	99	95	106	101	97	94	97	93	91	93	90	88	89	87	85	85	83
2	99	91	84	78	96	89	83	77	85	80	75	82	77	73	78	75	72	69	69
3	90	80	72	66	88	78	71	65	75	69	64	72	67	63	70	65	61	59	59
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53	51	51
5	77	64	55	49	75	63	55	49	61	53	48	59	52	47	57	51	47	45	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39	39
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37	35	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31	31
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	40	35	30	29	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26	26

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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NVLAP LAB CODE: 200925-0

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