

REPORT NUMBER: ITL80857

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ISSUE DATE: 02/25/14

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: ACC-MO-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 = 23.9 AT 120.0 VOLTS

MOUNTING: SUSPENDED

LED DRIVER: OSRAM OT30W/PRG1050C/UNV/DIM/L, DRIVER HAS MULTIPLE LEADS, ONLY LINE INPUT AND LED OUTPUT LEADS CONNECTED FOR THIS TEST, CLIENT STATES DRIVER PROGRAMMED FOR 600mA 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	863	863	863	863	863	
5	859	851	858	860	859	81
15	806	802	817	824	824	229
25	689	696	733	749	752	333
35	534	551	603	632	636	370
45	417	424	458	481	482	350
55	330	327	329	330	329	295
65	229	226	222	220	217	221
75	108	117	134	142	142	137
85	14	34	62	79	82	62
90	0	12	35	52	57	
95	0	2	16	31	37	20
105	0	0	2	7	9	4
115	0	0	1	2	2	1
125	0	0	1	1	1	1
135	0	0	0	1	1	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

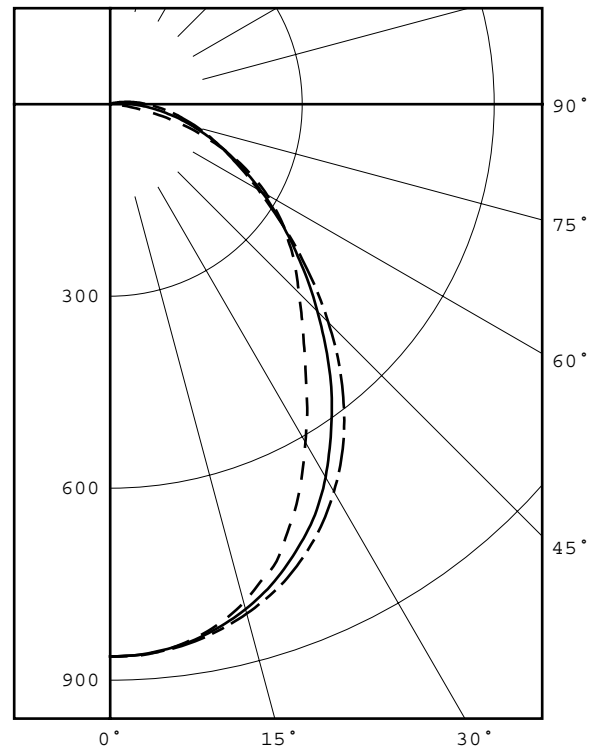
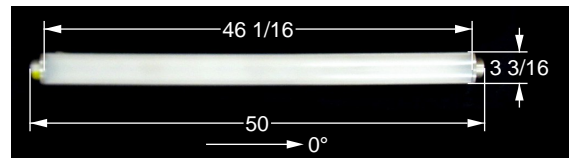
ZONE	LUMENS	%FIXT
0- 30	644	30.6
0- 40	1014	48.1
0- 60	1659	78.8
0- 90	2080	98.8
90-120	25	1.2
90-130	26	1.2
90-150	26	1.2
90-180	26	1.2
0-180	2106	100.0

EFFICACY = 88.1 lm/W

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.08 1.20



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

Checked MKLOPF
Approved R.BEATTIE
Lighting Engineer



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LUMINANCE DATA IN CANDELA/SQ M			
ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	6227.	6839.	7198.
55	6075.	6056.	6056.
65	5716.	5541.	5264.
75	4405.	5091.	4827.
85	1695.	4124.	4279.



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CANDELA DISTRIBUTION
 LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	863	863	863	863	863
5.0	859	851	858	860	859
10.0	840	833	843	847	846
15.0	806	802	817	824	824
20.0	760	758	780	791	794
25.0	689	696	733	749	752
30.0	610	625	673	695	699
35.0	534	551	603	632	636
40.0	469	483	531	558	562
45.0	417	424	458	481	482
50.0	374	374	390	402	402
55.0	330	327	329	330	329
60.0	283	278	273	270	267
65.0	229	226	222	220	217
70.0	169	170	176	179	177
75.0	108	117	134	142	142
80.0	50	69	96	108	110
85.0	14	34	62	79	82
90.0	0	12	35	52	57
95.0	0	2	16	31	37
100.0	0	1	6	16	20
105.0	0	0	2	7	9
110.0	0	0	1	3	4
115.0	0	0	1	2	2
120.0	0	0	1	1	1
125.0	0	0	1	1	1
130.0	0	0	0	1	1
135.0	0	0	0	1	1
140.0	0	0	0	0	1
145.0	0	0	0	0	0
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	21
5- 10	61
10- 15	98
15- 20	131
20- 25	157
25- 30	175
30- 35	185
35- 40	186
40- 45	180
45- 50	170
50- 55	156
55- 60	139
60- 65	121
65- 70	100
70- 75	79
75- 80	58
80- 85	39
85- 90	24
90- 95	13
95-100	7
100-105	3
105-110	1
110-115	1
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	81
0- 20	311
0- 30	644
0- 40	1014
0- 50	1364
0- 60	1659
0- 70	1880
0- 80	2018
0- 90	2080
0-100	2100
0-110	2104
0-120	2105
0-130	2106
0-140	2106
0-150	2106
0-160	2106
0-170	2106
0-180	2106



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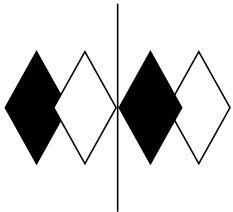
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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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