

REPORT NUMBER: ITL86026

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ISSUE DATE: 11/13/15

PREPARED FOR: SCOTT LAMP COMPANY, INC

CATALOG NUMBER: S2255-L120

LUMINAIRE: FABRICATED WHITE PAINTED METAL HOUSING WITH 2 8.25" LONG X 7.25" WIDE UPLIGHT APERTURES, 14 WHITE CIRCUIT BOARDS EACH WITH 30 LEDS, TRANSLUCENT WHITE FROSTED PLASTIC DIFFUSER, FABRICATED WHITE PAINTED METAL 20-APERTURE BOTTOM DIFFUSER RETAINING RING ASSEMBLY.

LAMPS: FOUR HUNDRED TWENTY WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.

INPUT ELECTRICAL: 120.0 VOLTS, 133.8 WATTS, 1.12 AMPS

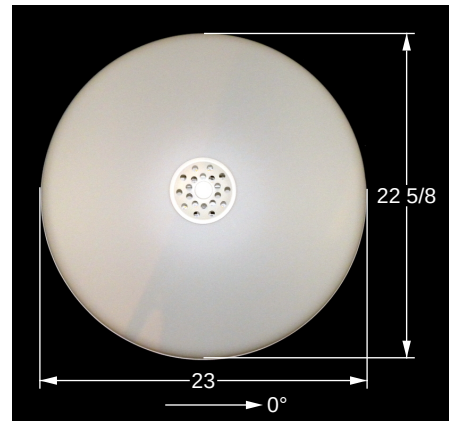
MOUNTING: SUSPENDED

LED DRIVERS: FOUR OSRAM OT40W/PRG1400C/UNV/DIM, DRIVERS HAVE MULTIPLE LEADS, ONLY LINE INPUT AND LED OUTPUT LEADS CONNECTED FOR THIS TEST. CLIENT STATES 2 DRIVERS EACH PROGRAMMED FOR 570mA OUTPUT AND 2 DRIVERS EACH PROGRAMMED FOR 760mA.

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

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET



CANDELA DISTRIBUTION						FLUX
	0.0	22.5	45.0	67.5	90.0	
0	3055	3055	3055	3055	3055	
5	3049	3034	2994	2966	2964	285
15	2986	2865	2948	2929	2930	824
25	2790	2762	2714	2766	2767	1266
35	2522	2478	2477	2462	2488	1547
45	2155	2122	2127	2125	2081	1632
55	1703	1693	1691	1702	1702	1520
65	1246	1249	1245	1249	1242	1236
75	806	802	801	801	802	850
85	441	441	439	438	437	486
90	315	315	313	312	311	
95	245	245	244	247	248	277
105	210	213	215	219	225	230
115	221	228	240	247	254	238
125	269	290	305	335	351	274
135	335	351	374	418	432	294
145	394	405	458	474	476	278
155	458	456	492	511	533	226
165	509	492	512	522	524	145
175	539	535	533	530	526	50
180	543	543	543	543	543	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	2375	20.4
0- 40	3922	33.6
0- 60	7074	60.7
0- 90	9646	82.7
90-120	745	6.4
90-130	1018	8.7
90-150	1591	13.6
90-180	2013	17.3
0-180	11658	100.0

EFFICACY = 87.1 lm/W

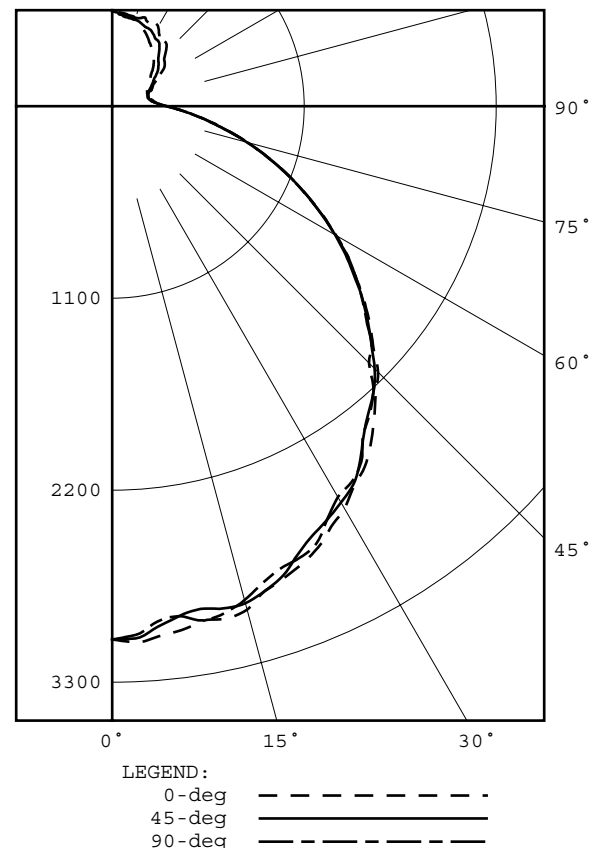
CIE TYPE - SEMI-DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.29 1.28

BEAM ANGLE (50%) : 117.4 X 117.7 DEGREES

FIELD ANGLE (10%) : 180.9 X 180.5 DEGREES



Checked B. HYRE

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	3055	3055	3055	3055	3055
5.0	3049	3034	2994	2966	2964
10.0	2994	2937	2925	2974	2991
15.0	2986	2865	2948	2929	2930
20.0	2877	2817	2862	2820	2819
25.0	2790	2762	2714	2766	2767
30.0	2661	2634	2622	2587	2586
35.0	2522	2478	2477	2462	2488
40.0	2335	2287	2286	2285	2296
45.0	2155	2122	2127	2125	2081
50.0	1925	1918	1910	1919	1900
55.0	1703	1693	1691	1702	1702
60.0	1471	1480	1474	1489	1482
65.0	1246	1249	1245	1249	1242
70.0	1021	1024	1019	1017	1017
75.0	806	802	801	801	802
80.0	608	605	600	600	599
85.0	441	441	439	438	437
90.0	315	315	313	312	311
95.0	245	245	244	247	248
100.0	218	218	217	222	226
105.0	210	213	215	219	225
110.0	214	217	222	227	225
115.0	221	228	240	247	254
120.0	239	250	268	280	290
125.0	269	290	305	335	351
130.0	293	311	345	366	392
135.0	335	351	374	418	432
140.0	369	381	420	444	477
145.0	394	405	458	474	476
150.0	426	435	474	513	527
155.0	458	456	492	511	533
160.0	488	477	500	529	542
165.0	509	492	512	522	524
170.0	530	518	515	524	529
175.0	539	535	533	530	526
180.0	543	543	543	543	543



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	73
5- 10	212
10- 15	350
15- 20	474
20- 25	586
25- 30	680
30- 35	751
35- 40	796
40- 45	817
45- 50	815
50- 55	785
55- 60	735
60- 65	662
65- 70	573
70- 75	476
75- 80	375
80- 85	282
85- 90	205
90- 95	151
95-100	126
100-105	116
105-110	114
110-115	116
115-120	122
120-125	132
125-130	141
130-135	146
135-140	148
140-145	143
145-150	135
150-155	122
155-160	104
160-165	84
165-170	61
170-175	38
175-180	13

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	285
0- 20	1109
0- 30	2375
0- 40	3922
0- 50	5554
0- 60	7074
0- 70	8309
0- 80	9159
0- 90	9646
0-100	9922
0-110	10152
0-120	10390
0-130	10664
0-140	10958
0-150	11237
0-160	11463
0-170	11608
0-180	11658



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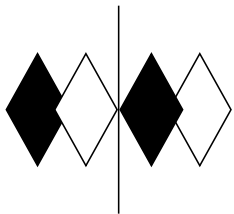
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	83
1	104	98	94	89	99	94	90	86	87	84	80	80	77	75	74	72	70	66
2	94	85	78	72	89	82	75	70	75	70	65	69	65	61	64	61	57	54
3	85	74	66	59	81	71	64	57	66	60	54	61	56	51	56	52	48	45
4	78	65	57	50	74	63	55	48	58	51	46	54	48	43	50	45	41	38
5	71	58	49	42	68	56	48	41	52	45	39	48	42	37	45	40	36	33
6	66	52	43	37	63	50	42	36	47	40	34	44	37	33	40	35	31	29
7	61	47	38	32	58	46	37	32	43	35	30	40	33	29	37	32	27	25
8	56	43	34	29	54	42	34	28	39	32	27	36	30	26	34	29	25	22
9	53	39	31	26	50	38	30	25	36	29	24	33	27	23	31	26	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	18

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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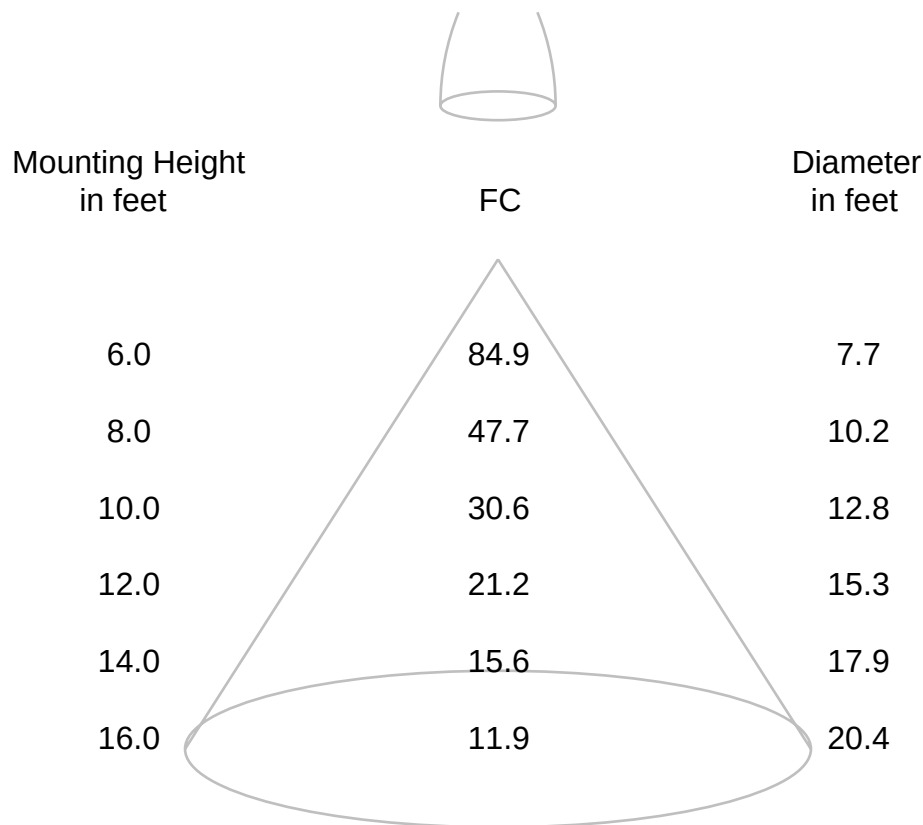
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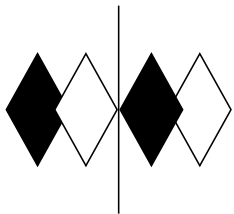
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CONE OF LIGHT DIAGRAM

(diameter shown is where fc value is half the fc at nadir)



Note: The candela values used to generate this diagram were obtained by averaging the photometric data into a single plane.



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