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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

NVLAP
NVLAP LAB CODE: 200925-0

INDEPENDENT TESTING LABORATORIES, INC.
4066 CAMELOT CIRCLE, LONGMONT, CO 80504 USA

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REPORT NUMBER: ITL85175

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ISSUE DATE: 09/22/15

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: E1-I-C-2X2-V-8-35

LUMINAIRE: FOUR-SIDED HOUSING WITH EACH SIDE CONSISTING OF: EXTRUDED
DIFFUSE METAL STRIP HOUSING, 2 WHITE CIRCUIT BOARDS EACH WITH 20
LEDS, EXTRUDED FROSTED HOLOGRAPHIC PLASTIC LENS. LENS FROSTED BOTH
SIDES. 21.75" SQUARE OPEN CENTER.

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

INPUT ELECTRICAL: 277.0 VOLTS, 37.7 WATTS, 0.144 AMPS

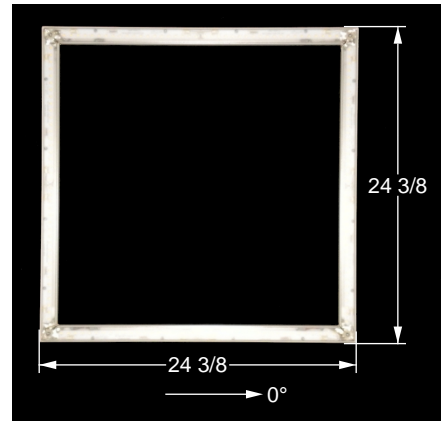
MOUNTING: SUSPENDED

LED DRIVER: OSRAM OT40W/PRG1400C/UNV/DIM,
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 = 20.0 FEET



CANDELA DISTRIBUTION						FLUX
0.0	22.5	45.0	67.5	90.0		
0	0	0	0	0	0	0
5	2	2	2	1	1	0
15	7	7	8	7	6	2
25	10	11	12	13	10	5
35	12	14	17	17	13	10
45	13	17	21	19	15	14
55	13	18	22	19	15	16
65	13	19	22	19	15	18
75	13	19	22	19	15	20
85	16	20	23	21	17	21
90	14	16	17	15	11	
95	62	65	62	63	59	71
105	212	191	169	190	211	204
115	434	400	360	409	444	403
125	734	720	706	737	750	652
135	1108	1120	1152	1119	1102	864
145	1460	1459	1459	1454	1452	908
155	1658	1649	1651	1648	1655	761
165	1780	1770	1769	1767	1775	500
175	1836	1835	1835	1835	1835	174
180	1846	1846	1846	1846	1846	

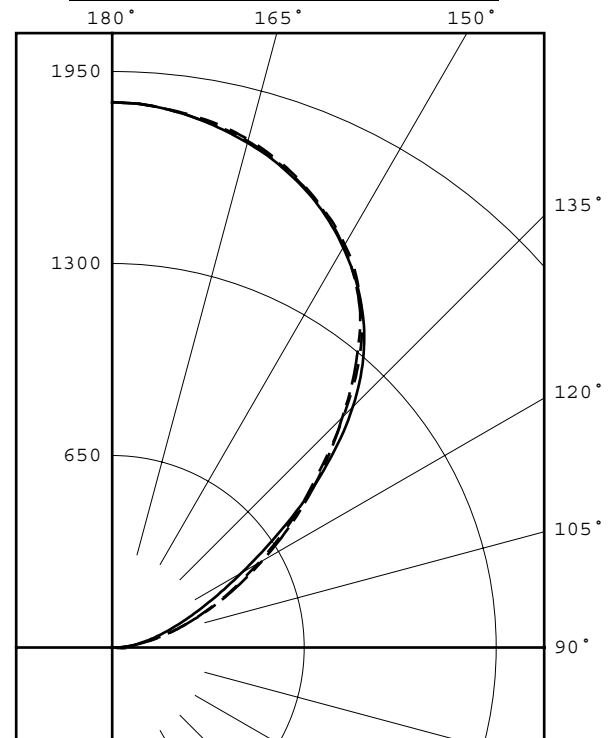
ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	8	0.2
0- 40	17	0.4
0- 60	47	1.0
0- 90	106	2.3
90-120	678	14.6
90-130	1330	28.6
90-150	3101	66.8
90-180	4536	97.7
0-180	4642	100.0

EFFICACY (277V) = 123.1 lm/W

EFFICACY (120V) = 124.5 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 ITL85175-THD.

CIE TYPE - INDIRECT



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

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	0	0	0	0	0
5.0	2	2	2	1	1
10.0	5	5	4	4	4
15.0	7	7	8	7	6
20.0	8	9	10	10	8
25.0	10	11	12	13	10
30.0	11	13	15	15	11
35.0	12	14	17	17	13
40.0	13	16	20	18	14
45.0	13	17	21	19	15
50.0	13	17	22	20	15
55.0	13	18	22	19	15
60.0	13	18	22	19	15
65.0	13	19	22	19	15
70.0	13	19	22	19	15
75.0	13	19	22	19	15
80.0	13	19	22	19	15
85.0	16	20	23	21	17
90.0	14	16	17	15	11
95.0	62	65	62	63	59
100.0	126	120	107	117	123
105.0	212	191	169	190	211
110.0	312	282	251	284	316
115.0	434	400	360	409	444
120.0	571	549	507	569	587
125.0	734	720	706	737	750
130.0	908	912	936	923	923
135.0	1108	1120	1152	1119	1102
140.0	1306	1312	1326	1305	1290
145.0	1460	1459	1459	1454	1452
150.0	1575	1567	1564	1563	1567
155.0	1658	1649	1651	1648	1655
160.0	1728	1717	1718	1714	1722
165.0	1780	1770	1769	1767	1775
170.0	1815	1808	1808	1807	1809
175.0	1836	1835	1835	1835	1835
180.0	1846	1846	1846	1846	1846



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	0
5- 10	0
10- 15	1
15- 20	1
20- 25	2
25- 30	3
30- 35	4
35- 40	5
40- 45	6
45- 50	7
50- 55	8
55- 60	8
60- 65	9
65- 70	9
70- 75	10
75- 80	10
80- 85	10
85- 90	10
90- 95	22
95-100	48
100-105	82
105-110	123
110-115	172
115-120	230
120-125	294
125-130	358
130-135	413
135-140	451
140-145	462
145-150	446
150-155	407
155-160	353
160-165	288
165-170	212
170-175	130
175-180	44

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	0
0- 20	2
0- 30	8
0- 40	17
0- 50	31
0- 60	47
0- 70	65
0- 80	85
0- 90	106
0-100	176
0-110	381
0-120	784
0-130	1435
0-140	2300
0-150	3207
0-160	3968
0-170	4468
0-180	4642



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	96	96	96	96	82	82	82	82	57	57	57	34	34	34	12	12	12	2
1	87	83	79	76	74	71	68	65	49	47	46	29	28	27	10	10	10	1
2	79	72	66	62	67	62	57	53	43	40	38	25	24	22	9	9	8	1
3	72	63	56	51	61	54	49	44	38	34	31	22	20	19	8	7	7	1
4	65	56	48	43	56	48	42	37	33	29	26	20	18	16	7	6	6	1
5	60	49	42	36	51	42	36	31	29	25	22	17	15	14	6	5	5	0
6	55	44	36	31	47	38	31	27	26	22	19	16	13	12	6	5	4	0
7	50	39	32	27	43	34	28	23	24	20	17	14	12	10	5	4	4	0
8	47	35	28	23	40	30	24	20	21	17	14	13	10	9	4	4	3	0
9	43	32	25	20	37	28	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	4	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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