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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

NVLAP
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INDEPENDENT TESTING LABORATORIES, INC.
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REPORT NUMBER: ITL85148

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ISSUE DATE: 08/24/15

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: HPR-LED-ANR-2X2-DCO-V-8-35

LUMINAIRE: FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH, FORMED WHITE PAINTED METAL REFLECTOR/LED DRIVER COVER, TWO WHITE CIRCUIT BOARDS EACH WITH 80 LEDS, 3-PIECE FROSTED HOLOGRAPHIC FLAT PLASTIC LENS, FROSTED HOLOGRAPHIC PLASTIC UPPER INTERIOR MIDDLE LENS INSERT. FABRICATED WHITE PAINTED METAL FRAME. OUTBOARD AND BOTTOM LENSES FROSTED SIDE OUT. UPPER LENS FROSTED BOTH SIDES.

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

INPUT ELECTRICAL: 120.0 VOLTS, 58.3 WATTS, 0.487 AMPS

TOTAL REFLECTANCE OF PAINT = 93.6 %

MOUNTING: RECESSED

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 1050mA OUTPUT.

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

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 20.0 FEET

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	2579	2579	2579	2579	2579	
5	2565	2565	2562	2560	2559	243
15	2438	2433	2425	2418	2413	683
25	2184	2175	2165	2160	2156	997
35	1842	1826	1819	1821	1818	1140
45	1446	1430	1423	1433	1434	1104
55	1049	1031	1028	1039	1040	927
65	673	663	657	667	668	659
75	343	336	334	338	337	359
85	86	84	82	76	72	96
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1923	31.0
0- 40	3063	49.3
0- 60	5094	82.1
0- 90	6207	100.0
90-180	0	0.0
0-180	6207	100.0

EFFICACY (120V) = 106.5 lm/W

EFFICACY (277V) = 108.1 lm/W **

** THE EFFICACY AT 277 VOLTS IS BASED ON THE LUMENS FROM THIS REPORT AND THE WATTAGE MEASURED AT 277 VOLTS FROM ITL REPORT NUMBER ITL85148-THD.

CIE TYPE - DIRECT

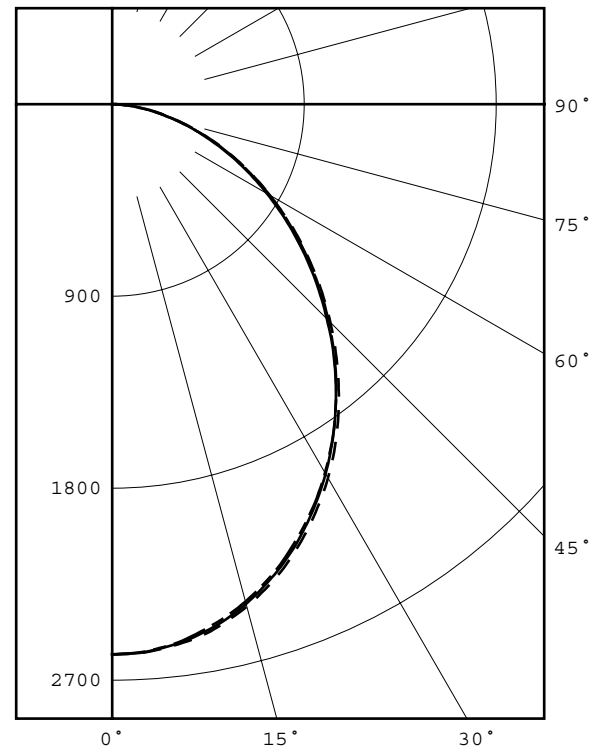
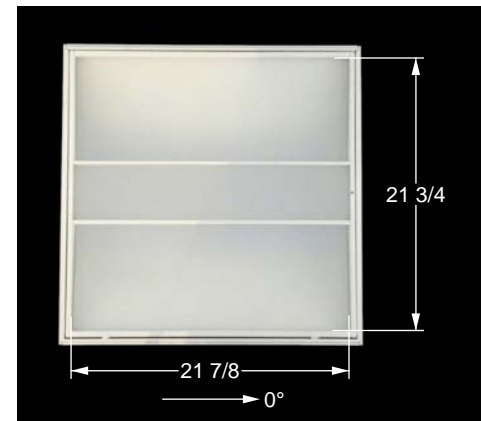
PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.17 1.16

LUMINOUS LENGTH : 21.875 21.750

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	6662.	6556.	6607.
55	5958.	5839.	5907.
65	5188.	5065.	5149.
75	4317.	4204.	4242.
85	3215.	3065.	2691.



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	2579	2579	2579	2579	2579
2.5	2577	2577	2576	2575	2574
5.0	2565	2565	2562	2560	2559
7.5	2546	2544	2541	2536	2535
10.0	2521	2518	2510	2504	2500
12.5	2482	2478	2472	2466	2461
15.0	2438	2433	2425	2418	2413
17.5	2384	2380	2369	2363	2359
20.0	2326	2318	2308	2302	2298
22.5	2257	2249	2240	2234	2228
25.0	2184	2175	2165	2160	2156
27.5	2105	2095	2085	2081	2078
30.0	2023	2010	2001	1998	1995
32.5	1935	1920	1911	1911	1908
35.0	1842	1826	1819	1821	1818
37.5	1745	1730	1723	1724	1724
40.0	1646	1630	1625	1629	1629
42.5	1546	1530	1526	1531	1532
45.0	1446	1430	1423	1433	1434
47.5	1345	1329	1323	1333	1335
50.0	1245	1229	1224	1234	1236
52.5	1146	1130	1125	1136	1137
55.0	1049	1031	1028	1039	1040
57.5	949	935	931	944	945
60.0	855	842	837	850	851
62.5	763	750	746	757	758
65.0	673	663	657	667	668
67.5	586	574	571	580	581
70.0	502	491	487	496	496
72.5	420	412	410	414	414
75.0	343	336	334	338	337
77.5	273	264	263	265	263
80.0	205	198	199	198	196
82.5	143	139	138	136	130
85.0	86	84	82	76	72
87.5	36	36	34	34	32
90.0	0	0	0	0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	61
5- 10	181
10- 15	293
15- 20	390
20- 25	469
25- 30	528
30- 35	564
35- 40	576
40- 45	567
45- 50	538
50- 55	493
55- 60	434
60- 65	366
65- 70	292
70- 75	216
75- 80	143
80- 85	75
85- 90	20

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	243
0- 20	926
0- 30	1923
0- 40	3063
0- 50	4167
0- 60	5094
0- 70	5753
0- 80	6112
0- 90	6207



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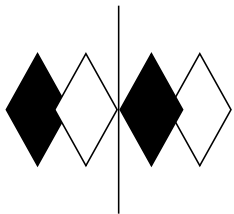
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	53	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	32	57	44	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	33	28	27

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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