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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: ITL85152

PAGE: 1 OF 5

ISSUE DATE: 08/28/15

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: HPR-LED-EP-ANR-2X4-DCO-V-8-35

LUMINAIRE: FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH, FORMED WHITE PAINTED METAL REFLECTOR/LED DRIVER COVER, TWO FORMED WHITE PAINTED METAL CIRCUIT BOARD MOUNTS, EIGHT WHITE CIRCUIT BOARDS EACH WITH 40 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: THREE HUNDRED TWENTY WHITE LIGHT EMITTING DIODES (LEDS), 160 VERTICAL BASE-UP POSITION, 160 TILTED 54-DEGREES FROM VERTICAL BASE-UP POSITION.

INPUT ELECTRICAL: 120.0 VOLTS, 55.2 WATTS, 0.461 AMPS

TOTAL REFLECTANCE OF PAINT = 95.0 %

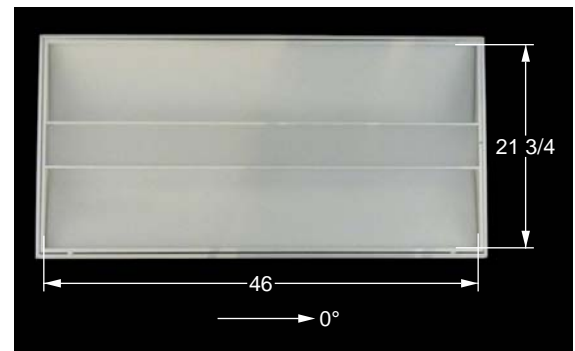
MOUNTING: RECESSED

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 = 35.0 FEET



CANDELA DISTRIBUTION						FLUX
	0.0	22.5	45.0	67.5	90.0	
0	2646	2646	2646	2646	2646	
5	2634	2633	2634	2634	2634	250
15	2519	2519	2529	2531	2531	712
25	2289	2294	2306	2315	2318	1061
35	1963	1968	1986	1997	2003	1239
45	1569	1573	1588	1598	1602	1223
55	1156	1153	1158	1162	1160	1035
65	750	744	742	736	730	735
75	387	377	369	358	355	393
85	100	93	82	73	74	101
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	2023	30.0
0- 40	3262	48.3
0- 60	5520	81.8
0- 90	6749	100.0
90-180	0	0.0
0-180	6749	100.0

EFFICACY (120V) = 122.3 lm/W

EFFICACY (277V) = 123.2 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 ITL85152-THD.

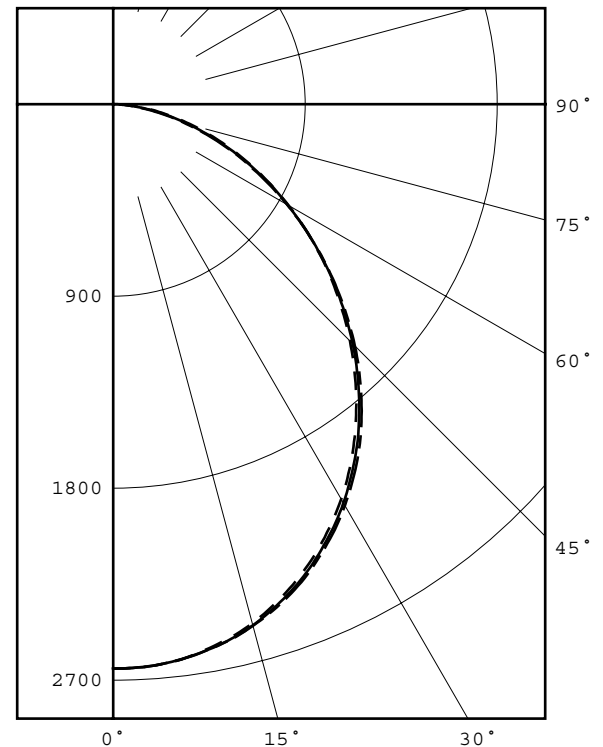
CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.20 1.22

LUMINOUS LENGTH : 46.000 21.750

LUMINANCE DATA IN CANDELA/SQ M			
ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	3438.	3479.	3510.
55	3122.	3128.	3133.
65	2749.	2720.	2676.
75	2316.	2209.	2125.
85	1778.	1458.	1315.



LEGEND:

0-deg -----
45-deg =====
90-deg -----

Checked B. HYRE

Approved R. BEATTIE
Lighting Engineer



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PAGE: 2 OF 5

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CANDELA DISTRIBUTION LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	2646	2646	2646	2646	2646
2.5	2643	2643	2643	2643	2643
5.0	2634	2633	2634	2634	2634
7.5	2617	2617	2617	2617	2618
10.0	2589	2590	2595	2595	2595
12.5	2558	2559	2566	2567	2568
15.0	2519	2519	2529	2531	2531
17.5	2471	2474	2483	2487	2489
20.0	2416	2421	2431	2436	2440
22.5	2356	2362	2373	2378	2383
25.0	2289	2294	2306	2315	2318
27.5	2215	2221	2236	2244	2249
30.0	2138	2142	2158	2168	2172
32.5	2053	2058	2074	2085	2090
35.0	1963	1968	1986	1997	2003
37.5	1869	1875	1892	1903	1910
40.0	1771	1777	1793	1805	1810
42.5	1671	1677	1692	1703	1708
45.0	1569	1573	1588	1598	1602
47.5	1466	1468	1481	1490	1492
50.0	1363	1362	1374	1382	1382
52.5	1260	1256	1266	1273	1271
55.0	1156	1153	1158	1162	1160
57.5	1052	1048	1050	1053	1050
60.0	950	943	944	944	941
62.5	849	843	845	840	834
65.0	750	744	742	736	730
67.5	655	647	643	635	634
70.0	562	553	547	538	536
72.5	472	462	456	446	443
75.0	387	377	369	358	355
77.5	306	297	288	277	274
80.0	231	222	213	201	198
82.5	163	154	145	131	127
85.0	100	93	82	73	74
87.5	43	39	35	34	34
90.0	0	0	0	0	0



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PAGE: 3 OF 5

5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	63
5- 10	187
10- 15	304
15- 20	408
20- 25	497
25- 30	564
30- 35	609
35- 40	630
40- 45	625
45- 50	597
50- 55	550
55- 60	485
60- 65	409
65- 70	325
70- 75	239
75- 80	155
80- 85	79
85- 90	21

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	250
0- 20	962
0- 30	2023
0- 40	3262
0- 50	4485
0- 60	5520
0- 70	6255
0- 80	6648
0- 90	6749



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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	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	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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