

itl boulder
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: ITL85139

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ISSUE DATE: 08/16/15

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: HPR-LED-F-1X1-DCO-B-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 40 LEDS, FROSTED HOLOGRAPHIC FLAT PLASTIC
LENS IN FABRICATED WHITE PAINTED METAL FRAME. LENS FROSTED SIDE OUT.
LAMPS: EIGHTY WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.
INPUT ELECTRICAL: 277.0 VOLTS, 21.3 WATTS, 0.0847 AMPS

MOUNTING: RECESSED

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 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	792	792	792	792	792	
5	787	787	788	787	788	75
15	746	747	747	749	749	211
25	669	669	670	672	674	309
35	565	564	565	566	569	353
45	444	444	444	444	444	342
55	324	322	320	317	317	286
65	210	208	203	200	200	202
75	109	107	102	98	97	109
85	28	25	20	20	19	27
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	594	31.0
0- 40	947	49.5
0- 60	1576	82.3
0- 90	1914	100.0
90-180	0	0.0
0-180	1914	100.0

EFFICACY (277V) = 89.9 lm/W

EFFICACY (120V) = 97.2 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 ITL85139-THD.

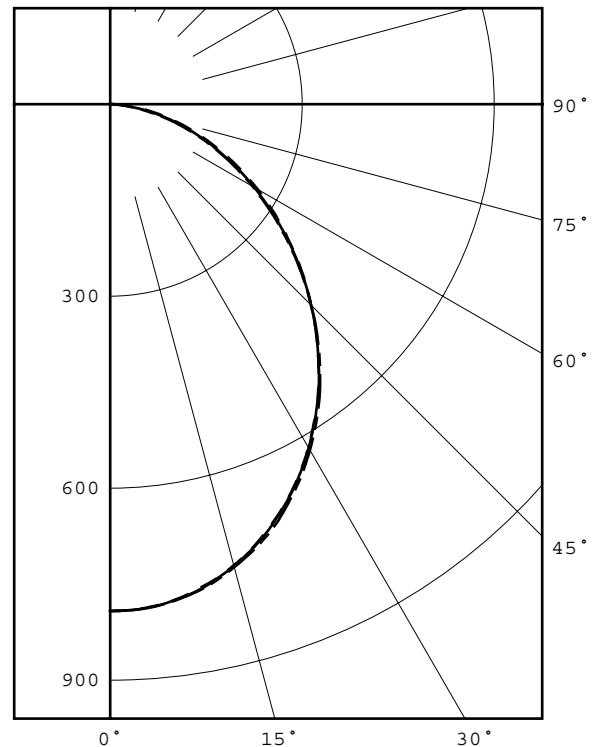
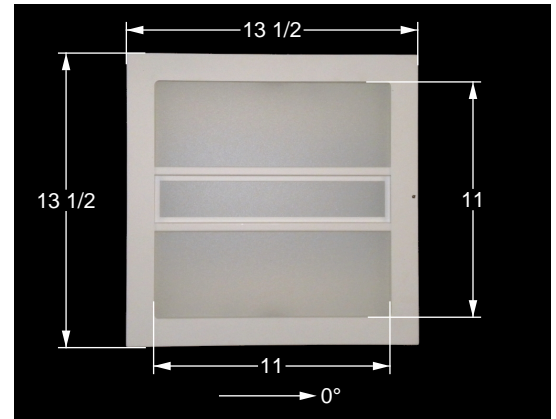
CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.17 1.18

LUMINOUS LENGTH : 11.000 11.000

LUMINANCE DATA IN CANDELA/SQ M			
ANGLE	AVERAGE	AVERAGE	AVERAGE
IN DEG	0-DEG	45-DEG	90-DEG
45	8043.	8043.	8043.
55	7236.	7147.	7080.
65	6365.	6153.	6062.
75	5395.	5048.	4801.
85	4115.	2940.	2793.



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	792	792	792	792	792
2.5	791	791	791	791	791
5.0	787	787	788	787	788
7.5	781	781	781	781	782
10.0	771	772	773	773	774
12.5	760	761	761	762	763
15.0	746	747	747	749	749
17.5	730	731	731	733	734
20.0	711	712	713	715	717
22.5	691	692	692	695	697
25.0	669	669	670	672	674
27.5	645	645	646	648	650
30.0	619	620	620	622	624
32.5	592	592	593	595	597
35.0	565	564	565	566	569
37.5	535	534	536	537	539
40.0	505	504	505	506	508
42.5	475	474	475	475	477
45.0	444	444	444	444	444
47.5	414	412	413	411	412
50.0	384	381	382	380	380
52.5	353	351	351	348	348
55.0	324	322	320	317	317
57.5	295	293	289	286	286
60.0	266	264	260	256	257
62.5	237	236	231	227	228
65.0	210	208	203	200	200
67.5	183	182	176	173	173
70.0	157	156	150	147	147
72.5	132	131	126	122	121
75.0	109	107	102	98	97
77.5	86	85	79	74	73
80.0	66	63	57	52	51
82.5	46	44	37	34	32
85.0	28	25	20	20	19
87.5	11	10	9	9	8
90.0	0	0	0	0	0



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	19
5- 10	56
10- 15	90
15- 20	120
20- 25	145
25- 30	163
30- 35	175
35- 40	179
40- 45	176
45- 50	167
50- 55	152
55- 60	134
60- 65	113
65- 70	90
70- 75	66
75- 80	43
80- 85	21
85- 90	6

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	75
0- 20	285
0- 30	594
0- 40	947
0- 50	1289
0- 60	1576
0- 70	1778
0- 80	1887
0- 90	1914



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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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	61	56	64	59	55	53
5	78	65	56	50	76	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	54	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	35	45	39	34	32
9	58	45	37	32	57	45	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	29	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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