

REPORT NUMBER: ITL85147

PAGE: 1 OF 5

ISSUE DATE: 08/21/15

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: HPR-LED-ANR-1X4-DCO-B-8-35

LUMINAIRE: FABRICATED METAL HOUSING WITH WHITE PAINTED INTERIOR FINISH, FORMED WHITE PAINTED METAL REFLECTOR/LED DRIVER COVER, FOUR 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: ONE HUNDRED SIXTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.

INPUT ELECTRICAL: 277.0 VOLTS, 38.0 WATTS, 0.145 AMPS

TOTAL REFLECTANCE OF PAINT = 94.1 %

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 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 = 35.0 FEET

CANDELA DISTRIBUTION						FLUX
	0.0	22.5	45.0	67.5	90.0	
0	1658	1658	1658	1658	1658	
5	1650	1648	1645	1642	1642	156
15	1571	1556	1551	1542	1536	437
25	1417	1390	1380	1363	1355	635
35	1200	1168	1150	1128	1114	719
45	951	917	892	864	848	689
55	694	664	632	601	589	569
65	452	425	392	364	354	394
75	236	215	188	161	155	204
85	64	49	44	42	40	54
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	1227	31.8
0- 40	1946	50.5
0- 60	3204	83.1
0- 90	3855	100.0
90-180	0	0.0
0-180	3855	100.0

EFFICACY (277V) = 101.4 lm/W

EFFICACY (120V) = 103.9 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 ITL85147-THD.

CIE TYPE - DIRECT

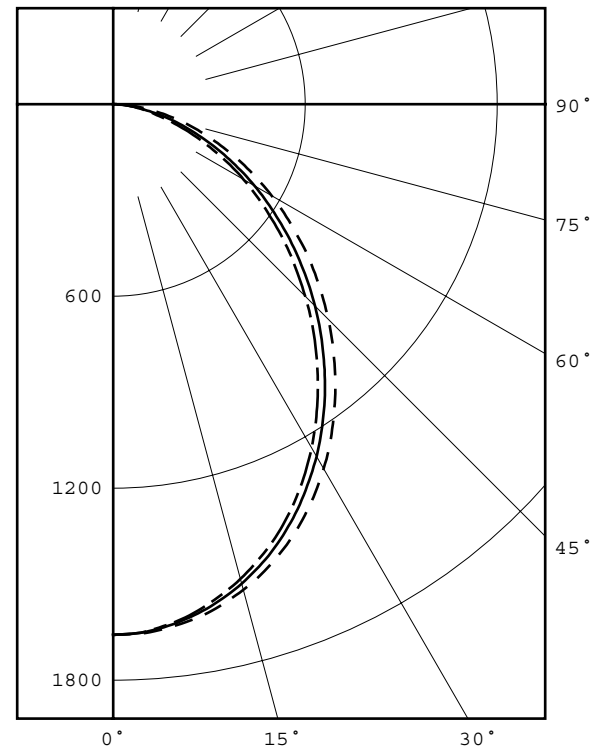
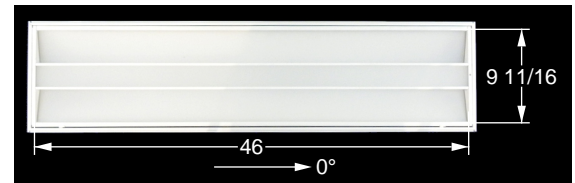
PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.18 1.13

LUMINOUS LENGTH : 46.000 9.688

LUMINANCE DATA IN CANDELA/SQ M

ANGLE	AVERAGE	AVERAGE	AVERAGE
IN DEG	0-DEG	45-DEG	90-DEG
45	4678.	4388.	4171.
55	4209.	3833.	3572.
65	3720.	3226.	2914.
75	3172.	2527.	2083.
85	2554.	1756.	1596.



LEGEND:

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

Checked M KLOPF  
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	1658	1658	1658	1658	1658
2.5	1657	1656	1655	1655	1655
5.0	1650	1648	1645	1642	1642
7.5	1637	1634	1629	1624	1624
10.0	1621	1613	1608	1602	1599
12.5	1598	1587	1582	1575	1569
15.0	1571	1556	1551	1542	1536
17.5	1540	1520	1515	1505	1497
20.0	1503	1480	1475	1461	1455
22.5	1463	1438	1429	1414	1407
25.0	1417	1390	1380	1363	1355
27.5	1368	1339	1326	1309	1299
30.0	1315	1285	1271	1253	1240
32.5	1260	1227	1211	1192	1178
35.0	1200	1168	1150	1128	1114
37.5	1140	1108	1087	1063	1049
40.0	1077	1044	1022	996	983
42.5	1015	982	957	931	917
45.0	951	917	892	864	848
47.5	886	853	826	797	781
50.0	823	791	760	732	718
52.5	760	728	696	665	653
55.0	694	664	632	601	589
57.5	633	602	570	540	530
60.0	572	542	510	480	471
62.5	511	482	450	421	412
65.0	452	425	392	364	354
67.5	394	370	337	311	300
70.0	338	316	284	259	249
72.5	287	264	235	209	201
75.0	236	215	188	161	155
77.5	188	168	142	123	121
80.0	142	125	100	94	92
82.5	103	85	70	67	66
85.0	64	49	44	42	40
87.5	29	21	18	17	15
90.0	0	0	0	0	0



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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	39
5- 10	116
10- 15	187
15- 20	249
20- 25	299
25- 30	335
30- 35	357
35- 40	363
40- 45	355
45- 50	334
50- 55	304
55- 60	265
60- 65	221
65- 70	173
70- 75	125
75- 80	79
80- 85	42
85- 90	12

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	156
0- 20	592
0- 30	1227
0- 40	1946
0- 50	2635
0- 60	3204
0- 70	3597
0- 80	3801
0- 90	3855



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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	35	29	54	42	34	29	41	34	29	40	34	29	39	33	29	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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