



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

PHONE: (303) 442-1255 • FAX: (970) 535-3114 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

REPORT NUMBER: ITL85129

PAGE: 1 OF 5

ISSUE DATE: 08/10/15

PREPARED FOR: FINELITE, INC.

CATALOG NUMBER: HP-4-RG-4ft-V-8-35

LUMINAIRE: EXTRUDED WHITE PAINTED METAL HOUSING WITH WHITE PAINTED FLAT METAL END CAPS, FORMED WHITE PAINTED METAL REFLECTOR/CIRCUIT BOARD MOUNT, 4 CIRCUIT BOARDS EACH WITH 40 LEDS, EXTRUDED FROSTED PLASTIC REGRESSED DIFFUSER. DIFFUSER 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

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

	0.0	22.5	45.0	67.5	90.0	FLUX
0	1512	1512	1512	1512	1512	
5	1504	1502	1500	1497	1497	142
15	1435	1415	1401	1387	1375	394
25	1298	1260	1232	1202	1186	568
35	1116	1068	1024	981	964	643
45	905	852	797	749	731	620
55	681	630	570	523	507	518
65	458	410	352	312	297	360
75	246	205	159	130	121	183
85	67	41	38	36	37	48
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%FIXT
0- 30	1104	31.8
0- 40	1747	50.2
0- 60	2886	83.0
0- 90	3477	100.0
90-180	0	0.0
0-180	3477	100.0

EFFICACY (277V) = 91.5 lm/W

EFFICACY (120V) = 94.0 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 ITL85129-THD.

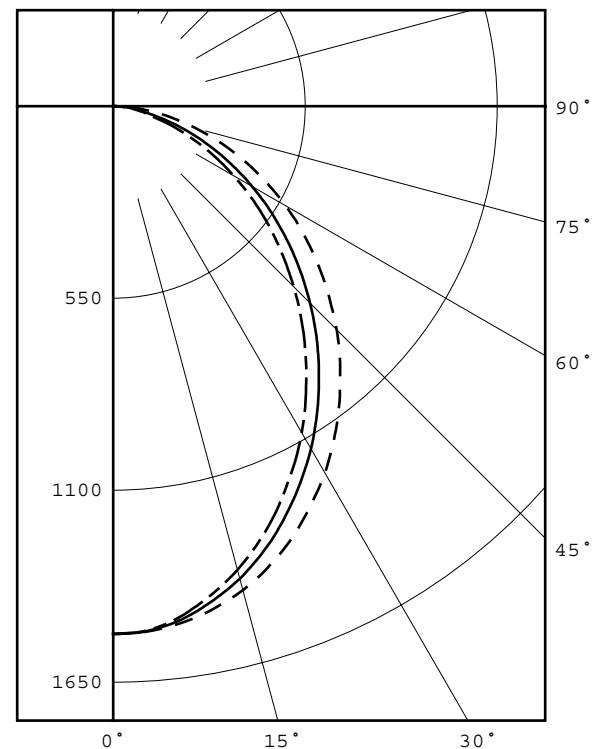
CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG
SPACING CRITERIA : 1.20 1.09
LUMINOUS LENGTH : 48.000 3.875

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	10666.	9393.	8615.
55	9894.	8281.	7366.
65	9031.	6941.	5856.
75	7921.	5119.	3896.
85	6406.	3633.	3538.

FLUX



LEGEND:

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

Checked M KLOPF
Approved R BEATTIE
Lighting Engineer



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

PHONE: (303) 442-1255 • FAX: (970) 535-3114 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

REPORT NUMBER: ITL85129

PAGE: 2 OF 5

ISSUE DATE: 08/10/15

PREPARED FOR: FINELITE, INC.

CANDELA DISTRIBUTION LATERAL ANGLE

	0.0	22.5	45.0	67.5	90.0
0.0	1512	1512	1512	1512	1512
2.5	1510	1510	1510	1509	1509
5.0	1504	1502	1500	1497	1497
7.5	1493	1489	1484	1478	1475
10.0	1478	1469	1460	1452	1445
12.5	1458	1445	1432	1422	1412
15.0	1435	1415	1401	1387	1375
17.5	1407	1381	1364	1346	1333
20.0	1374	1342	1324	1302	1288
22.5	1339	1302	1279	1254	1239
25.0	1298	1260	1232	1202	1186
27.5	1256	1216	1183	1149	1135
30.0	1213	1169	1133	1095	1080
32.5	1165	1119	1079	1038	1023
35.0	1116	1068	1024	981	964
37.5	1065	1016	968	924	906
40.0	1011	962	912	866	848
42.5	960	908	855	809	790
45.0	905	852	797	749	731
47.5	848	797	740	691	673
50.0	793	741	683	634	617
52.5	737	685	626	579	562
55.0	681	630	570	523	507
57.5	627	574	515	470	453
60.0	570	518	459	415	398
62.5	514	463	405	363	347
65.0	458	410	352	312	297
67.5	404	357	301	264	249
70.0	350	305	252	216	203
72.5	297	254	205	171	160
75.0	246	205	159	130	121
77.5	197	160	117	100	98
80.0	151	116	82	78	77
82.5	108	75	59	57	57
85.0	67	41	38	36	37
87.5	28	19	17	16	17
90.0	0	0	0	0	0



itl boulder
THE LIGHT CENTER OF THE INDUSTRY SINCE 1955



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

PHONE: (303) 442-1255 • FAX: (970) 535-3114 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

REPORT NUMBER: ITL85129
ISSUE DATE: 08/10/15
PREPARED FOR: FINELITE, INC.

PAGE: 3 OF 5

5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	36
5- 10	106
10- 15	170
15- 20	225
20- 25	268
25- 30	300
30- 35	318
35- 40	324
40- 45	319
45- 50	302
50- 55	276
55- 60	242
60- 65	202
65- 70	158
70- 75	112
75- 80	71
80- 85	37
85- 90	11

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	142
0- 20	536
0- 30	1104
0- 40	1747
0- 50	2368
0- 60	2886
0- 70	3246
0- 80	3429
0- 90	3477



REPORT NUMBER: ITL85129

PAGE: 4 OF 5

ISSUE DATE: 08/10/15

PREPARED FOR: FINELITE, INC.

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	97	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	55	53
5	78	66	57	51	76	64	56	50	62	55	50	60	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	39	52	44	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	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	34	29	54	42	34	29	41	34	29	40	33	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.



itl boulder
THE LIGHT CENTER OF THE INDUSTRY SINCE 1955



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

PHONE: (303) 442-1255 • FAX: (970) 535-3114 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

REPORT NUMBER: ITL85129
ISSUE DATE: 08/10/15
PREPARED FOR: FINELITE, INC.

PAGE: 5 OF 5

ADDRESS: 30500 WHIPPLE ROAD
UNION CITY, CA 94587

THIS ITL REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.