



IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLV-L-L7-840-O-WHT-DIM-UNV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 15351604.04
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 7/29/2024
 [TESTDATE] 6/25/2024
 [MANUFAC] H E WILLIAMS INC
 [LUMCAT] NLV-L-L7/840-O-WH-DIM-UNV
 [LUMINAIRE] White recessed housing with diffuser
 [LAMP] 48 LEDs
 [BALLAST] OSRAM/ELDOLED OSRAM OTI25W
 [OTHER] 25.7 C, 119.926 V, 0.128256 A, 14.9507 W, 0.972818 PF, 59.9698
 [MORE] Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	730
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	49
Total Luminaire Watts	14.9507
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
0.5	0.36	0.46	0.61	0.73	0.77	0.73	0.61	0.44	0.31
1.0	0.65	0.67	0.69	0.73	0.77	0.73	0.61	0.44	0.31
1.5	1.21	1.18	0.95	0.76	0.77	0.73	0.61	0.44	0.31
2.0	1.83	1.78	1.37	0.84	0.77	0.73	0.61	0.44	0.31
2.5	2.49	2.37	1.82	1.00	0.76	0.72	0.61	0.44	0.30
3.0	3.27	3.03	2.29	1.19	0.77	0.72	0.61	0.43	0.29
3.5	4.15	3.81	2.78	1.41	0.76	0.72	0.60	0.42	0.29
4.0	5.18	4.65	3.31	1.66	0.77	0.72	0.60	0.42	0.28
4.5	6.33	5.61	3.92	1.90	0.77	0.72	0.60	0.42	0.28
5.0	7.53	6.67	4.58	2.14	0.77	0.72	0.60	0.42	0.28
5.5	8.90	7.83	5.29	2.41	0.77	0.72	0.60	0.42	0.28
6.0	10.34	9.07	6.10	2.69	0.77	0.72	0.60	0.42	0.28
6.5	11.85	10.38	6.96	2.99	0.78	0.72	0.60	0.42	0.28
7.0	13.49	11.77	7.82	3.30	0.79	0.72	0.59	0.41	0.28
7.5	15.17	13.22	8.75	3.62	0.79	0.72	0.60	0.41	0.27
8.0	16.91	14.76	9.73	3.95	0.81	0.72	0.60	0.41	0.27
8.5	18.70	16.34	10.77	4.30	0.82	0.72	0.60	0.41	0.27
9.0	20.50	17.98	11.83	4.68	0.84	0.72	0.60	0.41	0.28
9.5	22.38	19.63	12.92	5.08	0.86	0.73	0.60	0.42	0.28
10.0	24.36	21.33	14.07	5.48	0.88	0.74	0.60	0.42	0.29
10.5	26.34	23.12	15.26	5.91	0.92	0.74	0.61	0.43	0.30
11.0	28.36	24.95	16.43	6.37	0.94	0.75	0.62	0.44	0.32
11.5	30.39	26.79	17.66	6.80	0.98	0.76	0.63	0.45	0.34
12.0	32.44	28.66	18.96	7.28	1.03	0.77	0.64	0.46	0.37
12.5	34.53	30.47	20.25	7.78	1.06	0.78	0.66	0.48	0.40
13.0	36.63	32.36	21.52	8.29	1.11	0.80	0.67	0.49	0.43
13.5	38.75	34.31	22.83	8.81	1.16	0.81	0.68	0.50	0.46
14.0	40.85	36.21	24.18	9.32	1.20	0.82	0.69	0.52	0.49
14.5	42.99	38.14	25.53	9.86	1.25	0.83	0.70	0.53	0.52
15.0	45.12	40.10	26.90	10.40	1.28	0.84	0.71	0.54	0.54
15.5	47.23	42.06	28.27	10.94	1.32	0.84	0.72	0.56	0.56
16.0	49.38	44.06	29.69	11.53	1.35	0.85	0.72	0.56	0.58
16.5	51.63	46.04	31.14	12.10	1.39	0.85	0.73	0.57	0.62
17.0	53.82	47.99	32.54	12.67	1.42	0.85	0.73	0.59	0.67
17.5	56.10	49.99	33.98	13.27	1.46	0.85	0.73	0.62	0.72
18.0	58.35	52.04	35.43	13.85	1.49	0.84	0.74	0.66	0.81
18.5	60.57	54.04	36.89	14.45	1.52	0.84	0.74	0.68	0.86
19.0	62.70	56.08	38.33	15.07	1.55	0.84	0.75	0.73	0.80
19.5	64.96	58.14	39.83	15.68	1.58	0.84	0.75	0.74	0.82
20.0	67.15	60.14	41.29	16.30	1.60	0.83	0.74	0.74	0.82
20.5	69.41	62.09	42.72	16.92	1.60	0.80	0.73	0.73	0.74
21.0	71.69	64.08	44.18	17.52	1.60	0.77	0.71	0.70	0.68
21.5	73.98	66.07	45.69	18.13	1.59	0.73	0.69	0.67	0.61
22.0	76.24	68.08	47.16	18.77	1.60	0.72	0.70	0.66	0.58
22.5	78.62	70.10	48.64	19.42	1.63	0.72	0.71	0.67	0.58
23.0	80.90	72.14	50.11	20.09	1.65	0.72	0.73	0.67	0.58
23.5	83.06	74.15	51.61	20.78	1.69	0.72	0.74	0.68	0.59
24.0	85.01	76.24	53.11	21.45	1.72	0.72	0.74	0.68	0.62
24.5	87.20	78.23	54.58	22.11	1.75	0.72	0.75	0.68	0.64
25.0	89.27	80.20	56.02	22.78	1.78	0.72	0.76	0.68	0.82
25.5	91.52	82.26	57.48	23.45	1.81	0.72	0.78	0.69	0.76
26.0	93.60	84.24	58.95	24.12	1.85	0.72	0.79	0.71	0.62
26.5	95.67	86.18	60.38	24.81	1.88	0.73	0.80	0.70	0.60

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CANDELA TABULATION - (Cont.)

27.0	97.79	88.15	61.90	25.50	1.91	0.73	0.81	0.70	0.59
27.5	99.99	90.10	63.36	26.18	1.95	0.73	0.82	0.70	0.59
28.0	102.10	92.06	64.83	26.85	1.98	0.73	0.83	0.69	0.59
28.5	104.30	94.03	66.31	27.55	2.02	0.73	0.84	0.69	0.58
29.0	106.40	95.95	67.76	28.27	2.06	0.74	0.84	0.69	0.58
29.5	108.60	97.91	69.24	28.96	2.09	0.74	0.85	0.68	0.64
30.0	110.70	99.80	70.82	29.65	2.13	0.74	0.85	0.68	0.66
30.5	112.80	101.70	72.31	30.34	2.17	0.74	0.90	0.68	0.87
31.0	114.90	103.60	73.77	31.03	2.20	0.75	0.89	0.68	0.73
31.5	117.00	105.50	75.24	31.75	2.25	0.75	0.86	0.69	0.57
32.0	119.10	107.40	76.66	32.45	2.28	0.76	0.86	0.69	0.56
32.5	121.20	109.30	78.14	33.15	2.33	0.77	0.86	0.68	0.56
33.0	123.20	111.20	79.58	33.83	2.36	0.78	0.86	0.68	0.56
33.5	125.20	113.10	81.01	34.51	2.40	0.79	0.86	0.68	0.56
34.0	127.20	114.80	82.45	35.21	2.45	0.79	0.86	0.68	0.56
34.5	129.10	116.70	83.85	35.90	2.48	0.80	0.86	0.68	0.55
35.0	131.00	118.50	85.29	36.61	2.53	0.83	0.87	0.68	0.55
35.5	133.00	120.30	86.68	37.31	2.57	0.82	0.95	0.68	0.55
36.0	135.00	122.10	88.12	38.00	2.61	0.82	0.94	0.68	0.55
36.5	136.90	123.90	89.52	38.69	2.66	0.82	0.88	0.68	0.55
37.0	138.80	125.70	90.86	39.36	2.70	0.82	0.88	0.68	0.56
37.5	140.60	127.40	92.20	40.04	2.74	0.82	0.85	0.68	0.60
38.0	142.50	129.20	93.56	40.74	2.78	0.82	0.85	0.68	0.61
38.5	144.40	130.90	94.87	41.40	2.82	0.82	0.85	0.68	0.70
39.0	146.30	132.60	96.25	42.07	2.87	0.82	0.84	0.68	0.79
39.5	148.10	134.30	97.50	42.75	2.91	0.83	0.84	0.68	0.68
40.0	149.90	136.00	98.78	43.41	2.95	0.83	0.84	0.69	0.57
40.5	151.80	137.70	100.10	44.08	3.00	0.83	0.84	0.69	0.57
41.0	153.60	139.30	101.30	44.73	3.04	0.84	0.84	0.70	0.58
41.5	155.30	141.00	102.60	45.39	3.08	0.84	0.84	0.71	0.58
42.0	157.10	142.60	103.90	46.06	3.13	0.84	0.88	0.71	0.58
42.5	158.80	144.20	105.10	46.73	3.17	0.84	0.94	0.72	0.59
43.0	160.60	145.80	106.40	47.38	3.22	0.84	0.85	0.73	0.60
43.5	162.30	147.40	107.70	48.03	3.26	0.89	0.85	0.74	0.62
44.0	164.00	149.00	108.90	48.69	3.31	1.06	0.85	0.75	0.63
44.5	165.70	150.60	110.20	49.35	3.36	0.89	0.85	0.76	0.64
45.0	167.40	152.20	111.40	49.97	3.40	0.86	0.88	0.77	0.64
45.5	169.10	153.80	112.60	50.60	3.45	0.86	0.90	0.78	0.65
46.0	170.70	155.30	113.80	51.24	3.50	0.87	0.90	0.78	0.70
46.5	172.40	156.80	115.10	51.88	3.54	0.88	0.91	0.78	0.72
47.0	174.00	158.30	116.30	52.50	3.60	0.89	0.91	0.79	0.66
47.5	175.60	159.80	117.40	53.10	3.65	0.89	0.92	0.80	0.63
48.0	177.20	161.30	118.60	53.73	3.69	0.90	0.92	0.81	0.63
48.5	178.70	162.80	119.70	54.33	3.73	0.90	0.93	0.81	0.62
49.0	180.30	164.20	120.90	54.94	3.78	0.91	0.93	0.81	0.62
49.5	181.90	165.70	122.10	55.56	3.83	0.92	0.94	0.81	0.62
50.0	183.40	167.10	123.20	56.14	3.88	0.99	0.94	0.81	0.61
50.5	185.00	168.60	124.30	56.74	3.92	1.10	0.96	0.81	0.60
51.0	186.40	170.00	125.40	57.35	3.97	1.01	0.98	0.81	0.60
51.5	187.90	171.40	126.40	57.91	4.02	0.94	0.98	0.81	0.59
52.0	189.30	172.70	127.50	58.49	4.07	0.94	0.97	0.82	0.59
52.5	190.70	174.10	128.60	59.11	4.12	0.94	0.97	0.81	0.58
53.0	192.10	175.50	129.70	59.70	4.16	0.94	0.98	0.81	0.57
53.5	193.50	176.80	130.70	60.30	4.22	0.94	0.98	0.81	0.57
54.0	194.90	178.10	131.70	60.86	4.26	0.95	0.98	0.81	0.57
54.5	196.40	179.40	132.70	61.39	4.31	0.95	0.99	0.80	0.57

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55.0	197.80	180.70	133.70	61.95	4.37	0.96	0.99	0.80	0.56
55.5	199.10	182.00	134.70	62.50	4.41	0.96	0.99	0.80	0.56
56.0	200.40	183.30	135.70	63.04	4.46	0.97	0.99	0.80	0.55
56.5	201.80	184.50	136.70	63.60	4.51	0.97	1.00	0.80	0.55
57.0	203.10	185.80	137.70	64.13	4.55	0.98	1.00	0.79	0.55
57.5	204.40	187.00	138.70	64.63	4.60	0.99	1.01	0.79	0.55
58.0	205.70	188.10	139.60	65.12	4.65	1.02	1.01	0.78	0.55
58.5	207.10	189.30	140.40	65.62	4.70	1.17	1.03	0.79	0.59
59.0	208.30	190.50	141.30	66.14	4.79	1.14	1.06	0.82	0.66
59.5	209.60	191.50	142.20	66.65	4.87	1.11	1.11	0.86	0.74
60.0	211.00	192.60	143.10	67.14	4.94	1.14	1.13	0.87	0.79
60.5	212.20	193.70	143.90	67.59	4.99	1.15	1.14	0.87	0.79
61.0	213.50	194.70	144.70	68.03	5.02	1.16	1.14	0.86	0.79
61.5	214.70	195.70	145.50	68.48	5.07	1.17	1.14	0.86	0.78
62.0	215.90	196.80	146.30	68.94	5.12	1.18	1.14	0.85	0.78
62.5	217.00	197.80	147.10	69.40	5.15	1.19	1.14	0.84	0.78
63.0	218.20	198.80	147.90	69.84	5.21	1.20	1.14	0.84	0.78
63.5	219.20	199.80	148.60	70.28	5.25	1.22	1.14	0.83	0.78
64.0	220.40	200.80	149.40	70.72	5.30	1.23	1.13	0.83	0.78
64.5	221.30	201.80	150.20	71.15	5.35	1.22	1.13	0.83	0.78
65.0	222.20	202.70	150.90	71.58	5.38	1.22	1.13	0.84	0.78
65.5	223.10	203.70	151.70	71.99	5.43	1.22	1.13	0.84	0.78
66.0	224.00	204.50	152.40	72.38	5.47	1.23	1.12	0.84	0.77
66.5	224.80	205.40	153.00	72.78	5.51	1.23	1.12	0.83	0.77
67.0	225.60	206.20	153.70	73.15	5.55	1.23	1.12	0.83	0.76
67.5	226.50	207.00	154.30	73.52	5.58	1.23	1.12	0.82	0.74
68.0	227.20	207.80	154.90	73.88	5.62	1.23	1.11	0.81	0.72
68.5	228.00	208.60	155.50	74.23	5.65	1.22	1.11	0.80	0.69
69.0	228.90	209.30	156.10	74.58	5.67	1.22	1.10	0.79	0.66
69.5	229.60	210.20	156.80	74.94	5.70	1.21	1.08	0.78	0.63
70.0	230.40	210.90	157.40	75.28	5.72	1.20	1.07	0.77	0.61
70.5	231.20	211.70	158.00	75.62	5.75	1.19	1.06	0.77	0.59
71.0	232.00	212.50	158.60	75.95	5.78	1.18	1.05	0.76	0.57
71.5	232.80	213.20	159.20	76.27	5.80	1.18	1.04	0.76	0.55
72.0	233.70	214.00	159.80	76.64	5.83	1.17	1.03	0.76	0.54
72.5	234.50	214.70	160.40	76.99	5.86	1.17	1.02	0.76	0.54
73.0	235.40	215.50	161.00	77.29	5.89	1.17	1.02	0.77	0.53
73.5	236.10	216.20	161.50	77.62	5.92	1.17	1.02	0.77	0.53
74.0	236.80	216.90	162.00	77.93	5.96	1.17	1.02	0.77	0.53
74.5	237.60	217.60	162.60	78.18	5.99	1.17	1.02	0.76	0.54
75.0	238.10	218.30	163.00	78.45	6.03	1.18	1.02	0.76	0.57
75.5	238.70	218.70	163.50	78.69	6.07	1.18	1.03	0.78	0.64
76.0	239.30	219.30	163.90	78.94	6.10	1.19	1.04	0.81	0.72
76.5	239.80	219.70	164.20	79.15	6.13	1.19	1.06	0.83	0.79
77.0	240.20	220.20	164.60	79.38	6.16	1.20	1.07	0.88	0.84
77.5	240.50	220.50	164.90	79.60	6.19	1.20	1.09	0.94	0.87
78.0	241.00	220.80	165.20	79.78	6.22	1.19	1.11	0.95	0.83
78.5	241.50	221.20	165.50	79.95	6.25	1.17	1.11	0.93	0.78
79.0	241.90	221.60	165.80	80.12	6.27	1.16	1.09	0.90	0.72
79.5	242.40	221.90	166.00	80.28	6.30	1.16	1.08	0.86	0.68
80.0	242.90	222.30	166.30	80.47	6.33	1.16	1.06	0.84	0.65
80.5	243.40	222.60	166.60	80.63	6.35	1.17	1.05	0.84	0.64
81.0	243.90	223.00	166.90	80.78	6.38	1.18	1.08	0.84	0.64
81.5	244.40	223.30	167.20	80.93	6.41	1.19	1.09	0.85	0.65
82.0	244.80	223.70	167.40	81.10	6.43	1.22	1.09	0.86	0.67
82.5	245.20	224.00	167.60	81.24	6.46	1.23	1.08	0.86	0.69

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CANDELA TABULATION - (Cont.)

83.0	245.50	224.20	167.90	81.40	6.48	1.22	1.07	0.86	0.72
83.5	245.70	224.50	168.10	81.53	6.51	1.22	1.07	0.86	0.75
84.0	245.70	224.70	168.20	81.67	6.53	1.21	1.07	0.86	0.78
84.5	245.70	224.80	168.40	81.78	6.56	1.20	1.07	0.85	0.79
85.0	245.80	225.00	168.50	81.88	6.58	1.20	1.08	0.84	0.80
85.5	245.60	225.10	168.60	81.96	6.60	1.21	1.08	0.83	0.80
86.0	245.60	225.20	168.70	82.05	6.61	1.21	1.08	0.82	0.80
86.5	245.70	225.30	168.80	82.15	6.62	1.22	1.09	0.81	0.79
87.0	245.60	225.50	168.90	82.24	6.64	1.22	1.09	0.80	0.77
87.5	245.80	225.60	169.10	82.34	6.65	1.22	1.10	0.79	0.75
88.0	245.90	225.80	169.30	82.43	6.66	1.22	1.10	0.79	0.72
88.5	246.00	226.00	169.40	82.52	6.67	1.22	1.10	0.79	0.69
89.0	246.10	226.20	169.60	82.61	6.68	1.25	1.11	0.78	0.66
89.5	246.40	226.40	169.70	82.69	6.69	1.23	1.13	0.78	0.64
90.0	246.50	226.50	169.80	82.77	6.70	1.21	1.12	0.79	0.62
90.5	246.70	226.60	169.90	82.84	6.71	1.21	1.10	0.79	0.64
91.0	246.80	226.70	169.90	82.86	6.72	1.21	1.11	0.79	0.67
91.5	246.70	226.60	169.80	82.85	6.73	1.20	1.08	0.77	0.62
92.0	246.60	226.50	169.80	82.82	6.74	1.20	1.06	0.74	0.58
92.5	246.40	226.40	169.70	82.80	6.74	1.19	1.05	0.73	0.56
93.0	246.30	226.30	169.60	82.77	6.75	1.19	1.04	0.74	0.56
93.5	246.10	226.10	169.50	82.70	6.75	1.19	1.03	0.74	0.57
94.0	245.90	225.90	169.40	82.62	6.75	1.18	1.02	0.74	0.58
94.5	245.70	225.80	169.20	82.55	6.76	1.18	1.02	0.75	0.60
95.0	245.40	225.50	169.00	82.48	6.76	1.17	1.01	0.75	0.62
95.5	245.20	225.30	168.90	82.42	6.77	1.17	1.02	0.75	0.65
96.0	245.00	225.20	168.70	82.36	6.77	1.16	1.02	0.74	0.67
96.5	244.80	225.00	168.60	82.30	6.77	1.16	1.02	0.73	0.68
97.0	244.60	224.80	168.50	82.23	6.77	1.16	1.01	0.72	0.69
97.5	244.30	224.50	168.30	82.13	6.77	1.15	1.00	0.72	0.69
98.0	244.00	224.30	168.10	82.04	6.77	1.15	1.00	0.72	0.68
98.5	243.70	224.00	167.90	81.95	6.77	1.15	0.99	0.71	0.65
99.0	243.30	223.70	167.70	81.83	6.77	1.14	0.98	0.71	0.62
99.5	243.00	223.40	167.40	81.72	6.77	1.14	0.97	0.70	0.59
100.0	242.60	223.10	167.20	81.60	6.76	1.13	0.96	0.69	0.55
100.5	242.20	222.70	166.90	81.47	6.75	1.13	0.95	0.68	0.52
101.0	241.80	222.40	166.70	81.34	6.74	1.12	0.95	0.66	0.49
101.5	241.40	222.00	166.40	81.18	6.73	1.11	0.94	0.65	0.47
102.0	241.00	221.70	166.10	81.00	6.72	1.11	0.94	0.63	0.46
102.5	240.60	221.30	165.80	80.87	6.71	1.10	0.93	0.62	0.45
103.0	240.20	220.80	165.50	80.69	6.69	1.09	0.93	0.61	0.44
103.5	239.80	220.40	165.10	80.51	6.67	1.09	0.92	0.60	0.44
104.0	239.30	220.00	164.80	80.33	6.66	1.08	0.91	0.60	0.43
104.5	238.80	219.50	164.50	80.14	6.65	1.07	0.91	0.59	0.42
105.0	238.30	219.00	164.10	79.94	6.65	1.06	0.90	0.59	0.41
105.5	237.70	218.50	163.70	79.73	6.64	1.06	0.89	0.58	0.40
106.0	237.10	218.00	163.30	79.54	6.64	1.05	0.89	0.57	0.39
106.5	236.50	217.50	162.80	79.33	6.63	1.04	0.88	0.57	0.38
107.0	235.90	216.90	162.40	79.10	6.62	1.04	0.87	0.56	0.37
107.5	235.20	216.30	162.00	78.88	6.60	1.03	0.87	0.56	0.37
108.0	234.50	215.70	161.50	78.67	6.58	1.02	0.86	0.56	0.37
108.5	233.90	215.10	161.10	78.43	6.57	1.02	0.85	0.55	0.37
109.0	233.10	214.40	160.60	78.18	6.55	1.01	0.85	0.55	0.37
109.5	232.30	213.80	160.10	77.92	6.53	1.00	0.84	0.55	0.37
110.0	231.50	213.00	159.60	77.66	6.51	1.00	0.84	0.54	0.37
110.5	230.50	212.30	159.10	77.37	6.49	0.99	0.83	0.54	0.37

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CANDELA TABULATION - (Cont.)

111.0	229.90	211.60	158.50	77.08	6.48	0.98	0.83	0.53	0.36
111.5	228.90	210.80	157.90	76.78	6.48	0.98	0.82	0.53	0.36
112.0	228.00	210.00	157.30	76.44	6.47	0.97	0.82	0.53	0.35
112.5	227.10	209.20	156.60	76.12	6.46	0.96	0.81	0.52	0.34
113.0	226.20	208.30	156.00	75.77	6.44	0.96	0.81	0.52	0.34
113.5	225.30	207.50	155.30	75.39	6.45	0.95	0.80	0.52	0.33
114.0	224.40	206.60	154.70	75.06	6.44	0.94	0.79	0.51	0.32
114.5	223.40	205.70	154.00	74.71	6.44	0.93	0.79	0.51	0.31
115.0	222.50	204.90	153.30	74.36	6.43	0.92	0.78	0.50	0.31
115.5	221.40	204.00	152.60	74.00	6.40	0.92	0.77	0.50	0.30
116.0	220.50	203.10	151.90	73.63	6.36	0.91	0.77	0.50	0.30
116.5	219.50	202.20	151.20	73.26	6.34	0.90	0.76	0.49	0.30
117.0	218.50	201.20	150.40	72.88	6.31	0.89	0.75	0.49	0.29
117.5	217.50	200.30	149.70	72.51	6.27	0.88	0.75	0.49	0.29
118.0	216.50	199.40	149.00	72.14	6.22	0.87	0.74	0.48	0.29
118.5	215.30	198.40	148.10	71.74	6.15	0.87	0.73	0.48	0.28
119.0	214.10	197.30	147.30	71.32	6.11	0.86	0.73	0.48	0.28
119.5	212.90	196.20	146.40	70.92	6.06	0.85	0.72	0.47	0.28
120.0	211.60	195.10	145.60	70.50	6.01	0.84	0.72	0.47	0.27
120.5	210.20	194.00	144.70	70.04	5.99	0.83	0.71	0.47	0.27
121.0	208.90	192.90	143.90	69.59	5.95	0.83	0.71	0.46	0.27
121.5	207.60	191.70	143.00	69.13	5.91	0.82	0.70	0.46	0.26
122.0	206.20	190.50	142.10	68.66	5.88	0.81	0.70	0.46	0.26
122.5	204.90	189.30	141.20	68.19	5.83	0.81	0.69	0.45	0.26
123.0	203.60	188.20	140.30	67.70	5.80	0.80	0.69	0.45	0.26
123.5	202.40	187.00	139.40	67.21	5.76	0.79	0.68	0.45	0.25
124.0	201.10	185.80	138.50	66.74	5.72	0.79	0.67	0.45	0.25
124.5	199.70	184.50	137.60	66.23	5.69	0.78	0.67	0.44	0.24
125.0	198.40	183.30	136.70	65.71	5.65	0.77	0.67	0.44	0.24
125.5	197.10	182.00	135.70	65.21	5.62	0.77	0.66	0.44	0.24
126.0	195.60	180.90	134.70	64.68	5.58	0.76	0.66	0.44	0.23
126.5	194.30	179.60	133.80	64.18	5.54	0.76	0.65	0.43	0.23
127.0	192.80	178.30	132.80	63.66	5.50	0.75	0.65	0.43	0.23
127.5	191.40	176.90	131.90	63.15	5.46	0.75	0.64	0.43	0.22
128.0	190.00	175.70	130.90	62.64	5.42	0.74	0.64	0.42	0.22
128.5	188.40	174.40	129.90	62.11	5.37	0.73	0.63	0.42	0.22
129.0	187.00	173.10	128.90	61.59	5.33	0.73	0.63	0.42	0.21
129.5	185.50	171.80	128.00	61.07	5.29	0.72	0.62	0.42	0.21
130.0	183.90	170.50	127.00	60.55	5.25	0.72	0.62	0.42	0.21
130.5	182.50	169.20	126.00	60.01	5.21	0.71	0.61	0.42	0.21
131.0	181.00	167.90	124.90	59.46	5.17	0.71	0.61	0.41	0.20
131.5	179.60	166.50	123.90	58.82	5.14	0.70	0.61	0.41	0.20
132.0	178.10	165.20	122.90	58.25	5.10	0.70	0.60	0.41	0.20
132.5	176.50	163.80	121.80	57.69	5.07	0.70	0.60	0.41	0.20
133.0	175.00	162.40	120.70	57.12	5.03	0.69	0.59	0.41	0.20
133.5	173.40	161.00	119.60	56.54	4.99	0.69	0.59	0.40	0.20
134.0	171.80	159.60	118.50	55.95	4.96	0.68	0.59	0.40	0.19
134.5	170.20	158.10	117.20	55.37	4.92	0.68	0.58	0.40	0.19
135.0	168.50	156.60	116.10	54.74	4.88	0.67	0.58	0.40	0.19
135.5	166.90	155.10	114.90	54.12	4.85	0.67	0.58	0.39	0.19
136.0	165.30	153.60	113.70	53.53	4.80	0.67	0.57	0.39	0.19
136.5	163.50	152.00	112.50	52.90	4.76	0.66	0.57	0.39	0.19
137.0	161.80	150.40	111.30	52.29	4.72	0.66	0.57	0.39	0.18
137.5	160.20	148.80	110.10	51.67	4.67	0.65	0.56	0.38	0.18
138.0	158.40	147.20	108.80	51.03	4.64	0.65	0.56	0.38	0.18
138.5	156.60	145.50	107.50	50.39	4.60	0.65	0.55	0.38	0.18

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CANDELA TABULATION - (Cont.)

139.0	154.80	143.90	106.20	49.72	4.55	0.64	0.55	0.38	0.18
139.5	152.90	142.20	104.90	49.10	4.52	0.64	0.55	0.38	0.17
140.0	151.10	140.40	103.70	48.45	4.48	0.64	0.54	0.38	0.17
140.5	149.30	138.70	102.30	47.78	4.43	0.63	0.54	0.37	0.17
141.0	147.40	137.10	101.00	47.11	4.39	0.63	0.54	0.37	0.17
141.5	145.50	135.40	99.61	46.43	4.34	0.63	0.54	0.37	0.16
142.0	143.60	133.60	98.24	45.74	4.29	0.62	0.53	0.37	0.16
142.5	141.80	131.90	96.91	45.06	4.24	0.62	0.53	0.36	0.16
143.0	139.90	130.10	95.57	44.38	4.19	0.62	0.53	0.36	0.16
143.5	138.00	128.30	94.21	43.70	4.14	0.61	0.52	0.36	0.15
144.0	136.20	126.50	92.87	43.00	4.09	0.61	0.52	0.35	0.15
144.5	134.30	124.80	91.54	42.32	4.04	0.61	0.52	0.35	0.15
145.0	132.40	123.10	90.19	41.62	3.99	0.61	0.52	0.35	0.15
145.5	130.40	121.30	88.75	40.91	3.94	0.61	0.52	0.35	0.15
146.0	128.60	119.60	87.36	40.19	3.88	0.61	0.51	0.34	0.15
146.5	126.80	117.80	85.99	39.48	3.83	0.61	0.51	0.34	0.14
147.0	124.80	116.10	84.62	38.76	3.78	0.61	0.51	0.34	0.14
147.5	122.80	114.30	83.23	38.02	3.73	0.60	0.51	0.34	0.14
148.0	120.80	112.50	81.90	37.28	3.68	0.60	0.50	0.34	0.14
148.5	118.80	110.60	80.49	36.53	3.64	0.60	0.50	0.33	0.14
149.0	116.90	108.90	79.12	35.80	3.58	0.59	0.50	0.33	0.13
149.5	114.90	107.10	77.75	35.02	3.53	0.59	0.50	0.33	0.13
150.0	112.90	105.20	76.33	34.22	3.48	0.59	0.50	0.33	0.13
150.5	110.90	103.30	74.91	33.43	3.42	0.59	0.49	0.33	0.13
151.0	108.80	101.50	73.47	32.65	3.38	0.59	0.49	0.33	0.13
151.5	106.70	99.56	71.98	31.81	3.32	0.58	0.49	0.33	0.13
152.0	104.70	97.61	70.54	31.01	3.27	0.58	0.49	0.32	0.13
152.5	102.60	95.66	69.10	30.14	3.22	0.58	0.49	0.32	0.13
153.0	100.60	93.65	67.55	29.30	3.16	0.58	0.48	0.32	0.13
153.5	98.49	91.70	66.05	28.45	3.11	0.58	0.48	0.32	0.13
154.0	96.40	89.69	64.49	27.59	3.06	0.59	0.48	0.32	0.13
154.5	94.40	87.69	62.94	26.74	3.00	0.61	0.48	0.32	0.13
155.0	92.25	85.72	61.38	25.90	2.95	0.64	0.48	0.31	0.13
155.5	90.15	83.67	59.78	25.03	2.90	0.68	0.48	0.31	0.13
156.0	88.06	81.65	58.20	24.20	2.84	0.72	0.47	0.31	0.13
156.5	85.80	79.60	56.61	23.37	2.79	0.76	0.47	0.31	0.13
157.0	83.74	77.66	54.95	22.51	2.74	0.81	0.47	0.31	0.13
157.5	81.53	75.73	53.18	21.70	2.69	0.87	0.47	0.31	0.13
158.0	79.26	73.78	51.30	20.89	2.64	0.93	0.47	0.31	0.12
158.5	76.80	71.69	49.38	20.07	2.59	0.99	0.47	0.30	0.12
159.0	74.41	69.74	47.43	19.27	2.54	1.03	0.47	0.30	0.12
159.5	72.22	67.79	45.44	18.47	2.49	1.05	0.46	0.30	0.12
160.0	70.14	65.70	43.36	17.68	2.43	1.05	0.46	0.30	0.12
160.5	67.88	63.45	41.23	16.95	2.38	1.04	0.46	0.30	0.12
161.0	65.72	61.05	38.93	16.18	2.33	1.02	0.46	0.29	0.12
161.5	63.50	58.42	36.58	15.43	2.28	1.06	0.46	0.29	0.12
162.0	61.26	55.57	34.19	14.64	2.23	1.10	0.46	0.29	0.11
162.5	58.88	52.21	31.89	13.87	2.18	1.12	0.46	0.29	0.11
163.0	56.05	48.43	29.57	13.16	2.13	1.12	0.46	0.29	0.11
163.5	52.57	44.36	27.34	12.44	2.09	1.10	0.46	0.28	0.11
164.0	47.98	40.19	25.13	11.75	2.04	1.08	0.46	0.28	0.11
164.5	41.45	35.96	23.05	11.09	1.99	1.08	0.47	0.28	0.11
165.0	34.01	31.58	21.16	10.43	1.95	1.11	0.48	0.28	0.10
165.5	25.91	27.49	19.35	9.81	1.90	1.10	0.51	0.28	0.11
166.0	17.68	23.86	17.71	9.23	1.86	1.07	0.57	0.28	0.10
166.5	10.23	20.50	16.08	8.65	1.82	1.04	0.64	0.27	0.10

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CANDELA TABULATION - (Cont.)

167.0	4.68	17.12	14.38	8.01	1.79	1.02	0.71	0.27	0.11
167.5	1.93	13.90	12.72	7.34	1.75	1.01	0.78	0.27	0.11
168.0	0.76	10.84	11.16	6.68	1.71	0.99	0.85	0.27	0.11
168.5	0.34	8.03	9.71	6.09	1.66	0.96	0.99	0.28	0.11
169.0	0.30	5.50	8.39	5.52	1.61	0.94	1.09	0.30	0.11
169.5	0.28	3.40	7.13	4.96	1.56	0.93	1.11	0.32	0.11
170.0	0.28	1.88	5.98	4.43	1.52	0.92	1.05	0.34	0.13
170.5	0.27	0.93	4.92	3.91	1.47	0.91	0.98	0.40	0.17
171.0	0.26	0.44	4.00	3.39	1.43	0.90	0.94	0.54	0.21
171.5	0.25	0.30	3.19	2.91	1.39	0.87	0.92	0.72	0.26
172.0	0.24	0.28	2.49	2.50	1.35	0.84	0.91	0.84	0.45
172.5	0.24	0.28	1.91	2.14	1.30	0.82	0.89	0.88	0.70
173.0	0.23	0.28	1.44	1.86	1.25	0.80	0.88	0.89	0.84
173.5	0.22	0.27	1.06	1.61	1.19	0.78	0.88	0.90	0.86
174.0	0.21	0.27	0.76	1.39	1.13	0.77	0.89	0.88	0.89
174.5	0.20	0.27	0.56	1.21	1.06	0.77	0.87	0.71	0.93
175.0	0.19	0.26	0.45	1.05	0.98	0.77	0.81	0.62	0.97
175.5	0.19	0.26	0.42	0.92	0.89	0.76	0.74	0.62	0.99
176.0	0.18	0.26	0.42	0.82	0.81	0.75	0.69	0.59	1.04
176.5	0.17	0.26	0.42	0.73	0.75	0.73	0.66	0.54	1.03
177.0	0.16	0.26	0.42	0.66	0.70	0.71	0.67	0.49	0.84
177.5	0.16	0.25	0.41	0.60	0.66	0.68	0.66	0.46	0.57
178.0	0.15	0.25	0.41	0.57	0.63	0.66	0.65	0.46	0.37
178.5	0.14	0.25	0.42	0.55	0.61	0.63	0.63	0.44	0.35
179.0	0.13	0.26	0.46	0.54	0.60	0.62	0.59	0.39	0.13
179.5	0.13	0.32	0.51	0.54	0.60	0.60	0.56	0.37	0.12
180.0	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4.27	N.A.	0.60
0-30	16.49	N.A.	2.30
0-40	41.04	N.A.	5.60
0-60	134.31	N.A.	18.40
0-80	279.45	N.A.	38.30
0-90	362.32	N.A.	49.60
10-90	361.94	N.A.	49.60
20-40	36.77	N.A.	5.00
20-50	75.90	N.A.	10.40
40-70	160.84	N.A.	22.00
60-80	145.14	N.A.	19.90
70-80	77.58	N.A.	10.60
80-90	82.87	N.A.	11.30
90-110	161.24	N.A.	22.10
90-120	229.75	N.A.	31.50
90-130	285.00	N.A.	39.00
90-150	351.31	N.A.	48.10
90-180	367.89	N.A.	50.40
110-180	206.65	N.A.	28.30
0-180	730.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.38
10-20	3.89
20-30	12.22
30-40	24.55
40-50	39.13
50-60	54.15
60-70	67.56
70-80	77.58
80-90	82.87
90-100	83.11
100-110	78.13
110-120	68.51
120-130	55.26
130-140	40.53
140-150	25.78
150-160	13.10
160-170	3.37
170-180	0.10

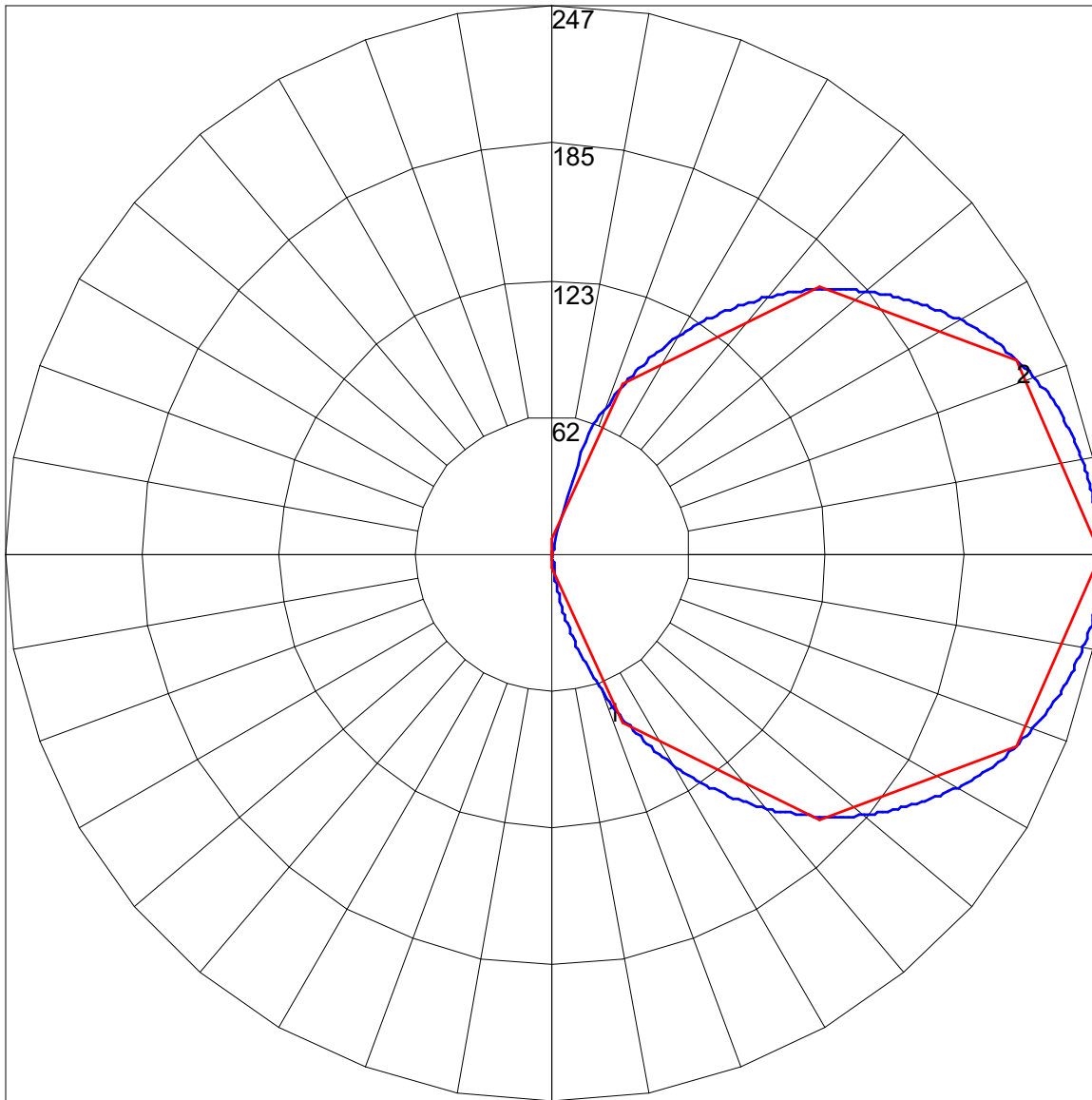
IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLV-L-L7-840-O-WHT-DIM-UNV.IES

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	92	85	79	73	84	78	72	67	64	60	56	52	48	45	40	38	35	30
2	81	71	62	55	74	65	57	51	53	47	42	42	37	33	32	28	25	20
3	73	60	51	43	66	55	47	40	45	38	33	35	30	26	26	23	19	15
4	66	52	43	35	59	48	39	32	39	32	26	30	25	21	23	18	15	11
5	60	46	36	29	54	42	33	26	34	27	21	26	21	17	20	15	12	8
6	55	40	31	24	49	37	28	22	30	23	18	23	18	14	17	13	10	7
7	50	36	27	21	45	33	25	19	27	20	15	21	16	12	16	11	8	5
8	46	32	24	18	42	30	22	16	24	18	13	19	14	10	14	10	7	4
9	43	29	21	15	39	27	19	14	22	16	11	17	12	9	13	9	6	4
10	40	27	19	13	36	24	17	12	20	14	10	16	11	8	12	8	5	3

POLAR GRAPH



Maximum Candela = 246.8 Located At Horizontal Angle = 0, Vertical Angle = 91
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (91) (Through Max. Cd.)