



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 15351604.05
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 7/29/2024
 [TEST DATE] 6/25/2024
 [MANUFAC] H E WILLIAMS INC
 [LUMCAT] NLV-L-L7/840-WL-WHT-DIM-UNV
 [LUMINAIRE] White recessed housing with white louver
 [LAMP] 48 LEDs
 [BALLAST] OSRAM/ELDOLED OSRAM OTI25W
 [OTHER] 25.8 C, 119.992 V, 0.128022 A, 14.9378 W, 0.972414 PF, 59.9693
 [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	715
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	48
Total Luminaire Watts	14.9378
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	20.02
Spacing Criterion (90-270)	3.10
Spacing Criterion (Diagonal)	12.88
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	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
0.5	0.24	0.32	0.44	0.52	0.54	0.51	0.44	0.31	0.22
1.0	0.27	0.35	0.46	0.52	0.54	0.51	0.44	0.31	0.22
1.5	0.33	0.39	0.48	0.53	0.54	0.52	0.44	0.31	0.22
2.0	0.41	0.46	0.52	0.54	0.54	0.51	0.44	0.31	0.21
2.5	0.52	0.55	0.57	0.55	0.54	0.51	0.44	0.30	0.21
3.0	0.65	0.66	0.63	0.57	0.54	0.51	0.43	0.29	0.20
3.5	0.80	0.78	0.70	0.59	0.54	0.51	0.43	0.29	0.19
4.0	0.98	0.93	0.79	0.61	0.54	0.51	0.43	0.29	0.18
4.5	1.20	1.10	0.89	0.64	0.54	0.51	0.42	0.28	0.18
5.0	1.47	1.31	1.00	0.68	0.54	0.51	0.42	0.28	0.18
5.5	1.81	1.57	1.13	0.72	0.54	0.50	0.42	0.28	0.17
6.0	2.26	1.88	1.28	0.76	0.54	0.50	0.42	0.28	0.17
6.5	2.81	2.25	1.44	0.81	0.54	0.50	0.42	0.28	0.17
7.0	3.47	2.73	1.64	0.86	0.54	0.50	0.42	0.27	0.17
7.5	4.27	3.28	1.86	0.92	0.54	0.50	0.42	0.27	0.17
8.0	5.23	3.95	2.13	0.98	0.54	0.50	0.41	0.27	0.17
8.5	6.31	4.78	2.45	1.04	0.55	0.50	0.42	0.27	0.16
9.0	7.57	5.69	2.83	1.12	0.55	0.50	0.42	0.27	0.16
9.5	9.03	6.74	3.26	1.20	0.55	0.51	0.42	0.28	0.17
10.0	10.64	7.96	3.77	1.28	0.56	0.51	0.43	0.28	0.18
10.5	12.35	9.34	4.32	1.38	0.57	0.52	0.43	0.29	0.19
11.0	14.30	10.81	4.95	1.48	0.58	0.53	0.44	0.30	0.21
11.5	16.47	12.43	5.68	1.59	0.59	0.54	0.45	0.31	0.23
12.0	18.82	14.20	6.45	1.71	0.61	0.55	0.47	0.32	0.25
12.5	21.36	16.20	7.31	1.83	0.62	0.56	0.48	0.34	0.28
13.0	24.08	18.34	8.29	1.97	0.63	0.58	0.49	0.35	0.31
13.5	26.99	20.56	9.31	2.12	0.65	0.59	0.50	0.37	0.34
14.0	30.07	23.09	10.40	2.28	0.66	0.60	0.51	0.38	0.36
14.5	33.25	25.73	11.61	2.46	0.67	0.61	0.52	0.39	0.38
15.0	36.59	28.51	12.85	2.66	0.68	0.61	0.53	0.39	0.40
15.5	40.02	31.44	14.22	2.86	0.69	0.62	0.53	0.40	0.41
16.0	43.56	34.50	15.64	3.07	0.69	0.62	0.54	0.41	0.42
16.5	47.57	37.76	17.14	3.30	0.69	0.62	0.54	0.41	0.43
17.0	51.65	41.10	18.79	3.56	0.70	0.62	0.54	0.42	0.44
17.5	55.89	44.50	20.52	3.85	0.70	0.62	0.54	0.43	0.46
18.0	60.61	48.12	22.34	4.13	0.70	0.62	0.54	0.44	0.48
18.5	65.45	51.94	24.30	4.44	0.70	0.62	0.54	0.45	0.49
19.0	70.31	55.96	26.29	4.76	0.71	0.62	0.55	0.45	0.50
19.5	75.60	60.25	28.35	5.10	0.71	0.61	0.55	0.45	0.49
20.0	80.95	64.63	30.57	5.47	0.70	0.60	0.54	0.45	0.46
20.5	86.18	69.13	32.79	5.84	0.67	0.58	0.52	0.44	0.41
21.0	91.78	73.81	35.13	6.23	0.64	0.55	0.49	0.41	0.36
21.5	97.63	78.51	37.56	6.65	0.61	0.51	0.46	0.38	0.29
22.0	103.30	83.34	40.11	7.08	0.60	0.49	0.44	0.36	0.25
22.5	109.10	88.36	42.76	7.58	0.60	0.49	0.45	0.37	0.26
23.0	116.00	93.38	45.51	8.09	0.60	0.49	0.45	0.37	0.27
23.5	122.50	98.46	48.32	8.62	0.60	0.49	0.45	0.38	0.27
24.0	127.40	103.70	51.26	9.18	0.61	0.49	0.46	0.38	0.28
24.5	134.10	109.20	54.29	9.78	0.61	0.49	0.46	0.38	0.29
25.0	141.20	114.80	57.44	10.38	0.61	0.49	0.47	0.39	0.29
25.5	148.30	120.80	60.71	11.01	0.61	0.49	0.47	0.41	0.30
26.0	155.80	126.60	64.15	11.66	0.62	0.49	0.48	0.41	0.31
26.5	163.00	132.60	67.45	12.36	0.62	0.49	0.48	0.42	0.30

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27.0	170.60	139.00	70.85	13.05	0.63	0.49	0.49	0.42	0.30
27.5	177.70	145.40	74.41	13.79	0.63	0.49	0.49	0.42	0.30
28.0	185.50	151.80	77.87	14.56	0.63	0.49	0.49	0.42	0.31
28.5	192.60	158.50	81.49	15.33	0.64	0.49	0.50	0.42	0.31
29.0	199.70	165.10	85.13	16.15	0.64	0.49	0.51	0.43	0.31
29.5	206.40	171.80	88.70	17.00	0.64	0.49	0.51	0.43	0.31
30.0	213.50	178.40	92.39	17.85	0.65	0.49	0.52	0.43	0.31
30.5	220.40	184.80	96.36	18.74	0.66	0.49	0.53	0.43	0.31
31.0	227.50	191.20	100.20	19.66	0.66	0.50	0.53	0.43	0.31
31.5	234.80	197.60	104.20	20.61	0.67	0.50	0.54	0.43	0.31
32.0	242.10	204.00	108.20	21.59	0.67	0.50	0.54	0.44	0.31
32.5	249.80	210.40	112.30	22.62	0.68	0.50	0.54	0.44	0.31
33.0	257.20	217.00	116.50	23.67	0.69	0.51	0.55	0.44	0.31
33.5	264.80	223.40	120.90	24.75	0.69	0.51	0.55	0.44	0.31
34.0	272.30	230.00	125.30	25.90	0.70	0.51	0.55	0.44	0.31
34.5	279.50	236.40	129.90	27.05	0.71	0.52	0.55	0.44	0.31
35.0	286.70	242.80	134.50	28.26	0.72	0.52	0.56	0.44	0.31
35.5	293.20	249.70	138.90	29.51	0.73	0.52	0.56	0.44	0.31
36.0	299.80	256.20	143.20	30.79	0.74	0.52	0.56	0.44	0.31
36.5	305.90	262.50	147.90	32.06	0.75	0.52	0.56	0.44	0.31
37.0	311.80	268.70	152.40	33.38	0.76	0.52	0.56	0.44	0.31
37.5	317.00	274.80	157.00	34.73	0.77	0.52	0.56	0.44	0.31
38.0	322.10	280.60	161.70	36.09	0.78	0.52	0.56	0.44	0.31
38.5	326.70	286.20	166.40	37.48	0.79	0.52	0.56	0.44	0.32
39.0	330.90	291.50	171.00	38.88	0.80	0.53	0.56	0.44	0.32
39.5	335.00	296.40	175.60	40.32	0.81	0.53	0.56	0.45	0.32
40.0	338.60	301.20	180.00	41.77	0.82	0.53	0.56	0.45	0.32
40.5	342.30	305.50	184.60	43.18	0.83	0.53	0.56	0.45	0.33
41.0	345.60	309.70	189.10	44.63	0.85	0.53	0.56	0.45	0.33
41.5	348.70	313.60	193.50	46.05	0.86	0.54	0.56	0.45	0.33
42.0	351.40	317.30	198.10	47.48	0.87	0.54	0.56	0.46	0.34
42.5	353.80	320.70	202.60	48.92	0.88	0.54	0.56	0.46	0.34
43.0	356.20	323.80	207.10	50.41	0.89	0.54	0.57	0.47	0.36
43.5	358.40	326.70	211.60	51.94	0.90	0.55	0.57	0.47	0.37
44.0	360.40	329.50	215.90	53.57	0.91	0.55	0.58	0.47	0.37
44.5	362.20	332.10	220.10	55.16	0.93	0.56	0.58	0.48	0.35
45.0	363.70	334.30	224.30	56.77	0.94	0.56	0.59	0.48	0.33
45.5	365.00	336.40	228.40	58.36	0.95	0.57	0.59	0.48	0.33
46.0	366.20	338.30	232.40	59.97	0.97	0.57	0.60	0.48	0.33
46.5	367.10	339.90	236.20	61.65	0.98	0.58	0.60	0.48	0.33
47.0	367.60	341.30	239.80	63.33	0.99	0.58	0.60	0.48	0.33
47.5	368.00	342.60	243.30	65.01	1.01	0.58	0.60	0.48	0.33
48.0	367.90	343.60	246.40	66.77	1.02	0.58	0.60	0.48	0.33
48.5	367.60	344.30	249.50	68.44	1.03	0.59	0.61	0.48	0.33
49.0	367.10	344.80	252.40	70.05	1.04	0.59	0.61	0.47	0.33
49.5	366.30	345.20	255.00	71.70	1.06	0.60	0.61	0.47	0.33
50.0	365.60	345.20	257.50	73.29	1.07	0.60	0.61	0.47	0.32
50.5	364.60	345.00	259.80	74.93	1.08	0.60	0.61	0.48	0.32
51.0	363.50	344.50	261.80	76.63	1.10	0.61	0.61	0.48	0.32
51.5	362.40	343.80	263.70	78.27	1.11	0.61	0.62	0.48	0.32
52.0	361.20	343.00	265.40	79.95	1.12	0.62	0.61	0.48	0.32
52.5	359.90	342.10	266.90	81.69	1.14	0.62	0.62	0.48	0.32
53.0	358.60	341.10	268.20	83.44	1.15	0.62	0.62	0.48	0.32
53.5	357.20	340.10	269.30	85.20	1.16	0.63	0.62	0.48	0.32
54.0	355.80	338.80	270.20	86.98	1.18	0.63	0.62	0.48	0.32
54.5	354.60	337.60	271.10	88.80	1.20	0.64	0.62	0.48	0.32

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55.0	353.20	336.30	271.60	90.58	1.22	0.64	0.62	0.48	0.32
55.5	351.90	335.10	272.00	92.37	1.23	0.64	0.63	0.48	0.32
56.0	350.40	333.70	272.10	94.18	1.25	0.65	0.63	0.48	0.32
56.5	348.70	332.40	272.00	95.96	1.26	0.65	0.63	0.48	0.32
57.0	347.10	331.10	271.80	97.75	1.28	0.65	0.63	0.48	0.31
57.5	345.30	329.60	271.50	99.48	1.29	0.66	0.63	0.48	0.31
58.0	343.40	328.00	270.80	101.20	1.31	0.66	0.63	0.48	0.31
58.5	341.60	326.30	269.90	102.90	1.35	0.69	0.65	0.50	0.34
59.0	339.80	324.50	268.90	104.50	1.40	0.72	0.68	0.53	0.41
59.5	337.80	322.60	267.80	106.20	1.46	0.77	0.73	0.57	0.49
60.0	335.80	320.60	266.50	107.70	1.51	0.80	0.76	0.59	0.54
60.5	333.80	318.40	265.10	109.10	1.53	0.81	0.76	0.59	0.54
61.0	331.80	316.20	263.70	110.60	1.55	0.81	0.77	0.59	0.54
61.5	329.80	314.00	262.20	112.00	1.57	0.82	0.77	0.59	0.54
62.0	327.60	311.80	260.60	113.40	1.59	0.82	0.77	0.58	0.54
62.5	325.30	309.60	259.00	114.80	1.62	0.83	0.77	0.58	0.54
63.0	322.90	307.30	257.50	116.10	1.65	0.83	0.77	0.58	0.54
63.5	320.70	305.10	255.80	117.30	1.67	0.84	0.77	0.58	0.54
64.0	318.40	302.80	254.20	118.40	1.70	0.84	0.77	0.57	0.54
64.5	316.10	300.50	252.40	119.40	1.73	0.85	0.77	0.57	0.54
65.0	313.70	298.10	250.60	120.30	1.76	0.85	0.77	0.57	0.54
65.5	311.20	295.70	248.60	121.10	1.79	0.86	0.77	0.56	0.54
66.0	308.70	293.40	246.60	121.70	1.82	0.86	0.77	0.56	0.54
66.5	306.10	290.90	244.50	122.20	1.84	0.86	0.77	0.55	0.53
67.0	303.50	288.40	242.40	122.60	1.87	0.86	0.77	0.54	0.52
67.5	301.00	286.00	240.20	122.80	1.90	0.86	0.76	0.54	0.50
68.0	298.20	283.50	238.00	122.90	1.92	0.85	0.75	0.52	0.48
68.5	295.40	280.90	235.70	122.70	1.94	0.84	0.74	0.51	0.47
69.0	292.90	278.40	233.50	122.50	1.95	0.84	0.73	0.50	0.44
69.5	290.20	276.00	231.20	122.20	1.97	0.82	0.72	0.49	0.41
70.0	287.50	273.50	228.90	121.70	1.98	0.81	0.71	0.47	0.39
70.5	284.80	271.00	226.70	121.20	2.00	0.81	0.70	0.46	0.37
71.0	282.00	268.50	224.50	120.50	2.01	0.80	0.69	0.45	0.35
71.5	279.40	265.90	222.30	119.60	2.03	0.79	0.68	0.44	0.33
72.0	276.80	263.40	220.00	118.70	2.05	0.79	0.68	0.43	0.33
72.5	274.10	260.80	217.70	117.70	2.07	0.78	0.67	0.43	0.32
73.0	271.50	258.30	215.40	116.70	2.09	0.78	0.67	0.43	0.32
73.5	268.80	255.80	213.00	115.50	2.12	0.78	0.67	0.43	0.32
74.0	266.00	253.20	210.60	114.20	2.14	0.79	0.67	0.44	0.32
74.5	263.20	250.50	207.90	112.90	2.16	0.79	0.68	0.44	0.33
75.0	260.50	247.70	205.30	111.50	2.18	0.79	0.68	0.46	0.35
75.5	257.60	244.90	202.80	110.00	2.20	0.80	0.68	0.48	0.38
76.0	254.80	242.00	200.10	108.50	2.22	0.80	0.69	0.49	0.41
76.5	251.90	239.00	197.30	107.00	2.23	0.81	0.71	0.51	0.45
77.0	249.00	236.10	194.60	105.50	2.24	0.81	0.73	0.53	0.50
77.5	246.10	233.00	191.80	103.90	2.25	0.82	0.75	0.55	0.55
78.0	243.30	230.10	188.90	102.40	2.26	0.81	0.76	0.57	0.56
78.5	240.50	227.20	186.00	100.90	2.26	0.80	0.76	0.57	0.55
79.0	237.70	224.20	183.10	99.37	2.27	0.80	0.74	0.56	0.51
79.5	235.00	221.40	180.10	97.83	2.28	0.79	0.73	0.54	0.47
80.0	232.30	218.40	177.20	96.31	2.29	0.80	0.72	0.52	0.43
80.5	229.60	215.70	174.40	94.70	2.29	0.80	0.72	0.51	0.42
81.0	226.90	212.80	171.60	92.97	2.31	0.81	0.73	0.52	0.42
81.5	224.30	210.10	168.90	91.17	2.32	0.82	0.74	0.53	0.43
82.0	221.70	207.40	166.20	89.37	2.33	0.83	0.74	0.54	0.44
82.5	218.90	204.70	163.50	87.49	2.34	0.83	0.74	0.54	0.46

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CANDELA TABULATION - (Cont.)

83.0	216.10	202.00	160.90	85.59	2.35	0.83	0.74	0.55	0.47
83.5	213.30	199.30	158.20	83.69	2.36	0.83	0.74	0.55	0.49
84.0	210.20	196.50	155.50	81.73	2.38	0.83	0.74	0.55	0.50
84.5	207.30	193.80	152.80	79.82	2.40	0.83	0.75	0.55	0.51
85.0	204.20	191.10	150.20	77.87	2.41	0.83	0.75	0.54	0.51
85.5	201.10	188.20	147.70	75.97	2.42	0.83	0.75	0.54	0.51
86.0	198.00	185.40	145.10	74.07	2.43	0.83	0.75	0.54	0.50
86.5	194.90	182.60	142.60	72.21	2.44	0.84	0.76	0.54	0.49
87.0	191.80	179.90	139.90	70.36	2.45	0.84	0.77	0.54	0.48
87.5	188.90	177.00	137.40	68.54	2.46	0.84	0.77	0.54	0.47
88.0	185.90	174.30	135.00	66.77	2.47	0.84	0.77	0.53	0.46
88.5	183.10	171.80	132.50	65.07	2.48	0.85	0.77	0.53	0.45
89.0	180.50	169.10	130.20	63.51	2.49	0.86	0.79	0.53	0.44
89.5	178.00	166.50	127.90	62.03	2.50	0.85	0.81	0.56	0.43
90.0	175.40	164.10	125.70	60.67	2.51	0.84	0.80	0.56	0.43
90.5	173.00	161.80	123.70	59.25	2.52	0.84	0.80	0.57	0.52
91.0	170.90	159.50	121.70	57.86	2.53	0.84	0.79	0.61	0.49
91.5	168.80	157.30	120.00	56.51	2.54	0.84	0.78	0.56	0.51
92.0	166.90	155.30	118.30	55.16	2.55	0.84	0.77	0.54	0.50
92.5	165.20	153.40	116.70	53.98	2.57	0.84	0.75	0.52	0.44
93.0	163.50	151.80	115.20	52.92	2.59	0.84	0.75	0.52	0.42
93.5	162.10	150.30	113.90	51.97	2.61	0.83	0.75	0.52	0.42
94.0	160.70	149.00	112.70	51.15	2.63	0.83	0.75	0.52	0.42
94.5	159.60	147.70	111.60	50.47	2.64	0.83	0.75	0.52	0.44
95.0	158.60	146.60	110.60	49.80	2.65	0.83	0.75	0.52	0.45
95.5	157.70	145.60	109.80	49.21	2.67	0.83	0.75	0.52	0.46
96.0	156.70	144.70	109.00	48.67	2.68	0.82	0.75	0.52	0.48
96.5	155.80	143.90	108.20	48.17	2.69	0.82	0.75	0.51	0.49
97.0	154.90	143.00	107.40	47.71	2.70	0.82	0.74	0.51	0.49
97.5	154.20	142.20	106.60	47.28	2.72	0.82	0.74	0.51	0.49
98.0	153.30	141.40	105.90	46.87	2.73	0.82	0.73	0.51	0.48
98.5	152.40	140.60	105.20	46.48	2.74	0.82	0.73	0.51	0.46
99.0	151.60	139.80	104.50	46.08	2.75	0.81	0.73	0.51	0.45
99.5	150.70	138.90	103.70	45.71	2.76	0.81	0.73	0.51	0.43
100.0	149.80	138.20	103.10	45.38	2.77	0.81	0.72	0.50	0.41
100.5	149.00	137.40	102.40	45.04	2.77	0.81	0.72	0.50	0.40
101.0	148.10	136.60	101.70	44.72	2.78	0.81	0.72	0.49	0.39
101.5	147.30	135.80	101.00	44.40	2.79	0.80	0.72	0.49	0.38
102.0	146.50	135.00	100.30	44.10	2.79	0.80	0.71	0.48	0.38
102.5	145.70	134.20	99.63	43.81	2.80	0.79	0.71	0.48	0.38
103.0	144.90	133.50	98.93	43.50	2.80	0.79	0.71	0.48	0.38
103.5	144.10	132.70	98.22	43.20	2.81	0.79	0.71	0.48	0.37
104.0	143.20	131.90	97.59	42.90	2.82	0.78	0.70	0.47	0.37
104.5	142.40	131.10	96.90	42.59	2.83	0.78	0.70	0.47	0.36
105.0	141.60	130.30	96.22	42.31	2.84	0.77	0.70	0.47	0.36
105.5	140.80	129.50	95.55	42.03	2.86	0.77	0.70	0.47	0.36
106.0	140.00	128.60	94.86	41.75	2.88	0.76	0.69	0.47	0.36
106.5	139.10	127.90	94.17	41.49	2.90	0.76	0.69	0.47	0.36
107.0	138.20	127.10	93.50	41.26	2.92	0.76	0.69	0.47	0.36
107.5	137.40	126.30	92.86	41.03	2.93	0.75	0.68	0.47	0.36
108.0	136.50	125.50	92.20	40.80	2.95	0.75	0.68	0.47	0.36
108.5	135.60	124.60	91.54	40.56	2.96	0.74	0.68	0.46	0.36
109.0	134.70	123.80	90.92	40.34	2.98	0.74	0.68	0.46	0.36
109.5	133.90	123.10	90.29	40.12	2.99	0.74	0.67	0.46	0.36
110.0	133.00	122.20	89.64	39.89	3.00	0.73	0.67	0.46	0.36
110.5	132.10	121.40	89.01	39.68	3.01	0.73	0.67	0.46	0.36

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CANDELA TABULATION - (Cont.)

111.0	131.30	120.60	88.31	39.48	3.03	0.72	0.67	0.46	0.36
111.5	130.30	119.70	87.55	39.30	3.05	0.72	0.67	0.46	0.36
112.0	129.40	118.90	86.93	39.09	3.07	0.72	0.66	0.46	0.36
112.5	128.60	118.10	86.29	38.92	3.09	0.71	0.66	0.46	0.35
113.0	127.60	117.20	85.68	38.70	3.10	0.71	0.66	0.46	0.35
113.5	126.70	116.40	85.08	38.50	3.13	0.70	0.66	0.46	0.35
114.0	125.80	115.50	84.47	38.33	3.17	0.70	0.65	0.46	0.34
114.5	124.90	114.70	83.86	38.13	3.19	0.69	0.65	0.46	0.34
115.0	124.00	113.90	83.29	37.93	3.21	0.69	0.65	0.46	0.34
115.5	123.10	113.10	82.72	37.73	3.23	0.68	0.64	0.46	0.34
116.0	122.30	112.30	82.16	37.53	3.24	0.68	0.64	0.47	0.34
116.5	121.40	111.50	81.59	37.33	3.26	0.67	0.64	0.47	0.34
117.0	120.50	110.70	81.05	37.14	3.27	0.67	0.64	0.46	0.34
117.5	119.60	109.90	80.51	36.95	3.27	0.66	0.63	0.47	0.34
118.0	118.80	109.10	79.95	36.77	3.26	0.66	0.63	0.47	0.33
118.5	117.80	108.30	79.37	36.57	3.25	0.65	0.63	0.47	0.34
119.0	116.90	107.40	78.80	36.38	3.25	0.65	0.63	0.47	0.33
119.5	115.90	106.60	78.24	36.17	3.25	0.64	0.62	0.47	0.33
120.0	115.10	105.80	77.66	35.95	3.25	0.64	0.62	0.47	0.33
120.5	114.10	104.90	77.10	35.72	3.26	0.63	0.62	0.47	0.33
121.0	113.20	104.10	76.52	35.49	3.26	0.63	0.62	0.47	0.33
121.5	112.30	103.30	75.94	35.25	3.26	0.62	0.61	0.47	0.33
122.0	111.40	102.50	75.38	35.01	3.27	0.62	0.61	0.47	0.33
122.5	110.40	101.70	74.83	34.77	3.27	0.61	0.61	0.47	0.33
123.0	109.60	100.90	74.29	34.53	3.27	0.61	0.61	0.47	0.33
123.5	108.60	100.10	73.77	34.28	3.28	0.60	0.60	0.48	0.33
124.0	107.70	99.30	73.22	34.03	3.28	0.60	0.60	0.47	0.32
124.5	106.90	98.53	72.69	33.77	3.29	0.60	0.60	0.48	0.32
125.0	106.00	97.77	72.17	33.51	3.29	0.59	0.60	0.48	0.32
125.5	105.20	97.04	71.63	33.25	3.30	0.59	0.59	0.48	0.32
126.0	104.40	96.29	71.05	32.99	3.30	0.58	0.59	0.48	0.32
126.5	103.50	95.54	70.41	32.73	3.30	0.58	0.58	0.48	0.31
127.0	102.70	94.83	69.83	32.48	3.30	0.57	0.58	0.48	0.31
127.5	101.90	94.08	69.27	32.24	3.30	0.57	0.58	0.47	0.30
128.0	101.00	93.33	68.70	31.98	3.30	0.56	0.58	0.47	0.30
128.5	100.20	92.59	68.13	31.73	3.30	0.56	0.57	0.48	0.30
129.0	99.32	91.85	67.57	31.48	3.29	0.56	0.57	0.47	0.30
129.5	98.45	91.14	67.01	31.23	3.29	0.55	0.57	0.47	0.30
130.0	97.66	90.39	66.45	31.00	3.29	0.55	0.57	0.47	0.30
130.5	96.83	89.64	65.88	30.76	3.29	0.55	0.56	0.47	0.30
131.0	96.02	88.89	65.32	30.52	3.30	0.54	0.56	0.47	0.30
131.5	95.14	88.12	64.74	30.27	3.30	0.54	0.55	0.47	0.29
132.0	94.32	87.37	64.15	30.02	3.30	0.54	0.55	0.47	0.29
132.5	93.52	86.57	63.56	29.76	3.31	0.53	0.55	0.47	0.29
133.0	92.61	85.79	62.95	29.52	3.31	0.53	0.55	0.47	0.29
133.5	91.77	85.05	62.36	29.27	3.32	0.53	0.55	0.47	0.29
134.0	90.87	84.26	61.75	29.02	3.32	0.52	0.54	0.46	0.28
134.5	90.01	83.45	61.12	28.76	3.32	0.52	0.54	0.46	0.28
135.0	89.15	82.65	60.51	28.50	3.31	0.52	0.53	0.46	0.28
135.5	88.24	81.77	59.90	28.22	3.31	0.51	0.53	0.46	0.28
136.0	87.34	80.87	59.28	27.93	3.30	0.51	0.53	0.46	0.27
136.5	86.48	80.03	58.63	27.64	3.29	0.51	0.53	0.45	0.27
137.0	85.59	79.22	57.99	27.35	3.28	0.51	0.52	0.45	0.27
137.5	84.70	78.37	57.36	27.05	3.27	0.50	0.52	0.45	0.27
138.0	83.80	77.50	56.70	26.76	3.26	0.50	0.52	0.45	0.26
138.5	82.87	76.63	56.06	26.46	3.25	0.50	0.51	0.45	0.26

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CANDELA TABULATION - (Cont.)

139.0	81.85	75.74	55.41	26.16	3.24	0.49	0.51	0.44	0.26
139.5	80.92	74.89	54.77	25.87	3.23	0.49	0.50	0.44	0.25
140.0	79.93	73.92	54.11	25.56	3.21	0.49	0.50	0.43	0.25
140.5	78.89	73.02	53.44	25.26	3.20	0.48	0.50	0.43	0.25
141.0	77.77	72.12	52.78	24.97	3.18	0.48	0.50	0.43	0.25
141.5	76.75	71.20	52.13	24.67	3.17	0.48	0.49	0.42	0.24
142.0	75.71	70.29	51.47	24.38	3.16	0.48	0.49	0.42	0.24
142.5	74.74	69.38	50.81	24.08	3.14	0.48	0.49	0.42	0.23
143.0	73.75	68.47	50.13	23.78	3.13	0.47	0.48	0.41	0.23
143.5	72.74	67.57	49.45	23.48	3.11	0.47	0.48	0.41	0.22
144.0	71.76	66.68	48.80	23.18	3.09	0.47	0.48	0.40	0.22
144.5	70.81	65.80	48.10	22.88	3.08	0.47	0.47	0.40	0.22
145.0	69.86	64.91	47.42	22.59	3.06	0.46	0.47	0.40	0.21
145.5	68.89	64.01	46.75	22.29	3.05	0.46	0.47	0.39	0.21
146.0	67.88	63.12	46.07	21.98	3.04	0.46	0.46	0.39	0.20
146.5	66.90	62.23	45.40	21.68	3.02	0.46	0.46	0.38	0.20
147.0	65.93	61.34	44.74	21.38	3.01	0.46	0.46	0.38	0.20
147.5	64.98	60.46	44.08	21.07	3.00	0.46	0.45	0.38	0.20
148.0	64.02	59.58	43.40	20.75	2.99	0.45	0.45	0.37	0.19
148.5	63.03	58.71	42.71	20.43	2.98	0.45	0.45	0.37	0.19
149.0	62.04	57.83	42.04	20.11	2.96	0.45	0.44	0.36	0.19
149.5	61.08	56.94	41.36	19.78	2.95	0.45	0.44	0.36	0.18
150.0	60.12	56.06	40.65	19.46	2.93	0.45	0.44	0.36	0.18
150.5	59.15	55.14	39.96	19.12	2.91	0.45	0.43	0.35	0.18
151.0	58.20	54.21	39.25	18.80	2.90	0.44	0.43	0.35	0.17
151.5	57.21	53.28	38.55	18.46	2.88	0.44	0.43	0.35	0.17
152.0	56.24	52.29	37.84	18.10	2.86	0.44	0.43	0.35	0.17
152.5	55.23	51.31	37.14	17.76	2.84	0.44	0.42	0.34	0.17
153.0	54.13	50.35	36.43	17.40	2.83	0.44	0.42	0.34	0.17
153.5	53.13	49.33	35.72	17.04	2.81	0.44	0.42	0.34	0.16
154.0	52.06	48.34	35.02	16.68	2.79	0.45	0.41	0.33	0.16
154.5	50.98	47.33	34.32	16.33	2.77	0.47	0.41	0.33	0.16
155.0	49.95	46.30	33.62	15.96	2.75	0.50	0.41	0.32	0.16
155.5	48.84	45.27	32.91	15.60	2.73	0.53	0.41	0.32	0.16
156.0	47.77	44.26	32.22	15.24	2.72	0.56	0.40	0.32	0.16
156.5	46.71	43.26	31.50	14.87	2.71	0.59	0.40	0.31	0.15
157.0	45.61	42.31	30.78	14.50	2.68	0.64	0.40	0.31	0.15
157.5	44.52	41.32	30.08	14.14	2.67	0.71	0.40	0.31	0.15
158.0	43.38	40.33	29.33	13.76	2.65	0.83	0.39	0.30	0.14
158.5	42.16	39.33	28.53	13.39	2.63	0.91	0.39	0.30	0.14
159.0	40.98	38.35	27.73	13.03	2.63	0.91	0.39	0.30	0.14
159.5	39.83	37.37	26.90	12.64	2.61	0.90	0.39	0.29	0.14
160.0	38.54	36.38	26.04	12.25	2.59	0.89	0.38	0.29	0.14
160.5	37.44	35.37	25.10	11.86	2.58	0.89	0.38	0.28	0.13
161.0	36.33	34.30	24.13	11.48	2.57	0.87	0.38	0.28	0.13
161.5	35.21	33.14	23.13	11.05	2.55	0.86	0.38	0.28	0.13
162.0	34.14	31.89	22.06	10.62	2.54	0.86	0.37	0.27	0.13
162.5	33.01	30.53	20.94	10.20	2.53	0.86	0.37	0.27	0.13
163.0	31.91	29.04	19.74	9.77	2.51	0.87	0.37	0.27	0.12
163.5	30.78	27.45	18.52	9.34	2.50	0.87	0.37	0.26	0.12
164.0	29.56	25.73	17.21	8.93	2.49	0.87	0.37	0.26	0.12
164.5	27.98	23.96	15.89	8.53	2.47	0.89	0.38	0.26	0.12
165.0	25.83	22.07	14.58	8.12	2.46	0.88	0.40	0.25	0.11
165.5	23.05	20.10	13.41	7.72	2.46	0.85	0.46	0.25	0.11
166.0	19.56	18.04	12.24	7.33	2.44	0.82	0.53	0.25	0.11
166.5	14.96	15.79	11.08	6.95	2.42	0.79	0.58	0.24	0.11

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CANDELA TABULATION - (Cont.)

167.0	9.64	13.42	9.97	6.56	2.40	0.77	0.63	0.24	0.11
167.5	4.69	11.06	8.91	6.12	2.38	0.75	0.67	0.24	0.10
168.0	1.50	8.78	7.91	5.67	2.34	0.73	0.72	0.24	0.10
168.5	0.41	6.75	7.02	5.25	2.28	0.71	0.79	0.27	0.10
169.0	0.23	4.97	6.17	4.82	2.21	0.69	0.85	0.36	0.10
169.5	0.21	3.41	5.35	4.39	2.14	0.68	0.89	0.45	0.10
170.0	0.20	2.10	4.62	3.98	2.07	0.67	0.84	0.46	0.12
170.5	0.19	1.13	3.93	3.58	2.00	0.67	0.73	0.49	0.21
171.0	0.19	0.53	3.25	3.16	1.92	0.65	0.67	0.59	0.24
171.5	0.18	0.24	2.63	2.75	1.85	0.64	0.66	0.71	0.22
172.0	0.17	0.19	2.09	2.38	1.77	0.62	0.66	0.78	0.33
172.5	0.16	0.19	1.62	2.05	1.68	0.60	0.66	0.83	0.50
173.0	0.15	0.18	1.23	1.77	1.58	0.59	0.66	0.73	0.57
173.5	0.15	0.18	0.92	1.53	1.47	0.58	0.67	0.71	0.66
174.0	0.14	0.18	0.66	1.31	1.35	0.58	0.64	0.70	0.53
174.5	0.14	0.18	0.48	1.12	1.23	0.58	0.60	0.61	0.53
175.0	0.13	0.18	0.37	0.96	1.09	0.61	0.55	0.54	0.54
175.5	0.12	0.18	0.32	0.81	0.96	0.64	0.51	0.52	0.56
176.0	0.11	0.18	0.30	0.70	0.84	0.65	0.51	0.45	0.56
176.5	0.11	0.18	0.30	0.60	0.74	0.67	0.52	0.40	0.48
177.0	0.11	0.18	0.30	0.52	0.64	0.66	0.53	0.39	0.39
177.5	0.10	0.18	0.30	0.46	0.57	0.63	0.52	0.39	0.35
178.0	0.10	0.18	0.30	0.42	0.52	0.59	0.51	0.38	0.31
178.5	0.10	0.18	0.31	0.40	0.48	0.52	0.50	0.35	0.26
179.0	0.09	0.19	0.35	0.39	0.44	0.48	0.48	0.32	0.13
179.5	0.08	0.26	0.41	0.39	0.43	0.44	0.46	0.33	0.08
180.0	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2.85	N.A.	0.40
0-30	18.41	N.A.	2.60
0-40	62.07	N.A.	8.70
0-60	237.04	N.A.	33.20
0-80	431.50	N.A.	60.40
0-90	503.26	N.A.	70.40
10-90	503.14	N.A.	70.40
20-40	59.22	N.A.	8.30
20-50	136.21	N.A.	19.10
40-70	277.40	N.A.	38.80
60-80	194.46	N.A.	27.20
70-80	92.03	N.A.	12.90
80-90	71.76	N.A.	10.00
90-110	99.63	N.A.	13.90
90-120	137.19	N.A.	19.20
90-130	166.58	N.A.	23.30
90-150	201.78	N.A.	28.20
90-180	211.43	N.A.	29.60
110-180	111.80	N.A.	15.60
0-180	714.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.12
10-20	2.73
20-30	15.56
30-40	43.66
40-50	76.99
50-60	97.99
60-70	102.43
70-80	92.03
80-90	71.76
90-100	54.02
100-110	45.60
110-120	37.57
120-130	29.39
130-140	21.43
140-150	13.77
150-160	7.32
160-170	2.24
170-180	0.09

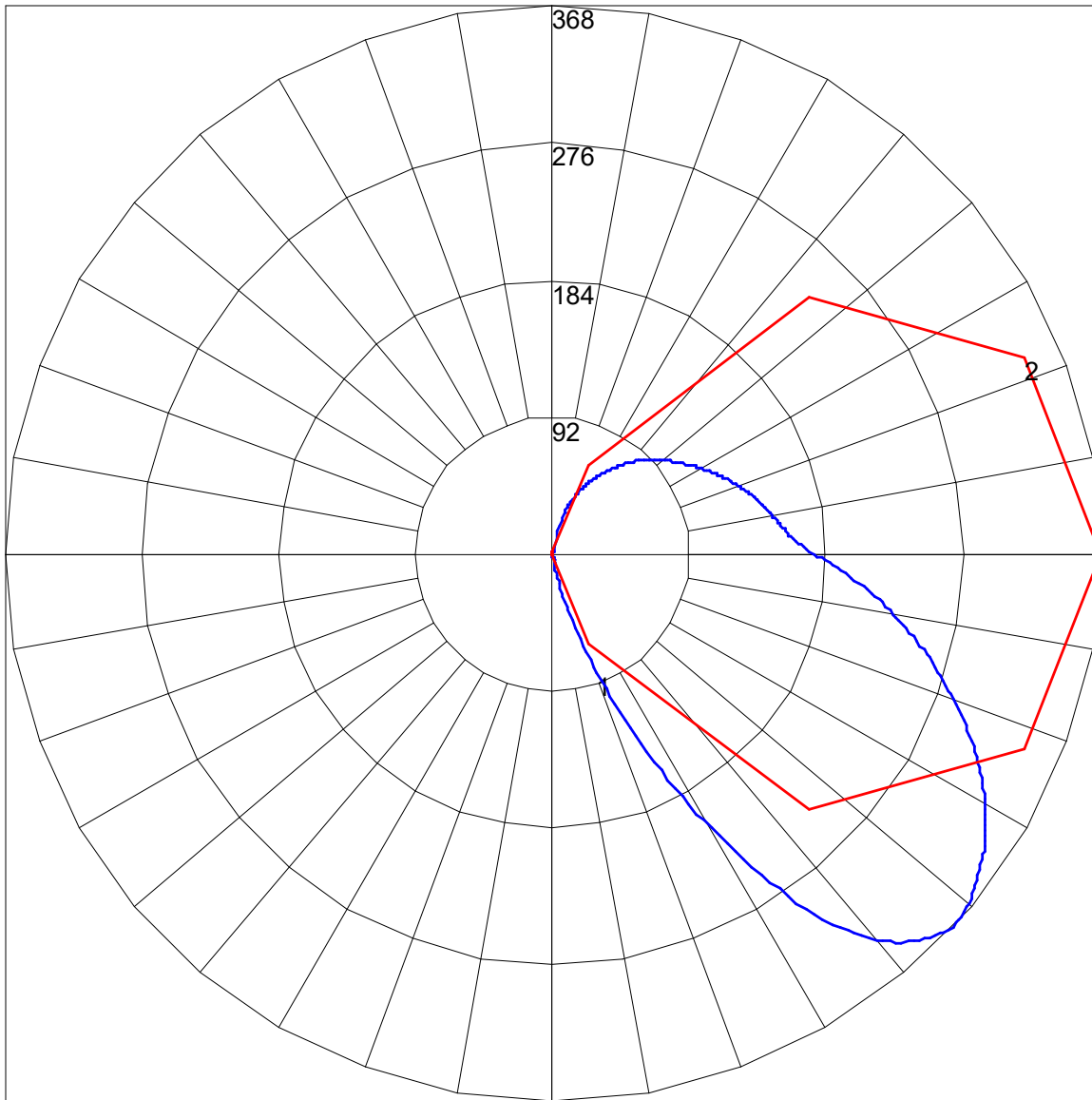
IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLV-L-L7-840-WL-WHT-DIM-UNV.IES

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	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	70
1	96	89	83	78	90	84	79	73	74	70	66	65	62	58	57	54	52	47
2	85	74	65	57	79	69	61	54	61	54	49	53	48	43	46	42	38	34
3	75	62	52	44	70	58	49	42	51	43	37	44	38	33	38	33	29	25
4	68	53	43	35	63	50	40	33	43	36	29	38	31	26	32	27	22	19
5	61	46	36	28	57	43	34	27	38	30	23	32	26	20	28	22	18	14
6	56	41	30	23	52	38	29	22	33	25	19	28	22	17	24	19	14	11
7	51	36	26	19	47	34	25	18	29	22	16	25	19	14	21	16	12	9
8	47	32	23	16	44	30	21	15	26	19	13	23	16	12	19	14	10	7
9	43	29	20	14	40	27	19	13	24	16	11	20	14	10	17	12	8	6
10	40	26	18	12	38	25	17	11	21	15	10	19	13	8	16	11	7	5

POLAR GRAPH



Maximum Candela = 368 Located At Horizontal Angle = 0, Vertical Angle = 47.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)