



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8622-LED35-LO-WA-SW.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] 104665338LAX-001  
 [TESTLAB] INTERTEK  
 [ISSUE DATE] 04-23-2021  
 [MANUFAC] PRUDENTIAL LIGHTING  
 [LUMCAT] P8622-LED35-LO-WA-SW

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2170
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	21
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1905	1899	1890
55	1836	1826	1817
65	1737	1728	1726
75	1597	1595	1587
85	1384	1397	1391

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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>	<u>202.5</u>
<b>0.0</b>	752.22	752.22	752.22	752.22	752.22	752.22	752.22	752.22	752.22	752.22
<b>2.5</b>	750.89	751.24	751.03	751.45	750.89	751.45	751.03	751.24	750.89	751.24
<b>5.0</b>	748.09	748.44	748.23	748.51	747.81	748.51	748.23	748.44	748.09	748.44
<b>7.5</b>	743.89	744.10	743.82	744.03	743.47	744.03	743.82	744.10	743.89	744.10
<b>10.0</b>	737.87	738.22	737.73	738.15	737.38	738.15	737.73	738.22	737.87	738.22
<b>12.5</b>	730.87	731.01	730.59	730.66	730.17	730.66	730.59	731.01	730.87	731.01
<b>15.0</b>	722.40	722.54	721.91	721.98	721.35	721.98	721.91	722.54	722.40	722.54
<b>17.5</b>	712.18	712.39	711.62	711.62	710.92	711.62	711.62	712.39	712.18	712.39
<b>20.0</b>	700.28	700.42	699.72	699.44	698.67	699.44	699.72	700.42	700.28	700.42
<b>22.5</b>	686.42	686.56	685.86	685.44	684.53	685.44	685.86	686.56	686.42	686.56
<b>25.0</b>	670.67	670.95	670.11	669.48	668.57	669.48	670.11	670.95	670.67	670.95
<b>27.5</b>	654.15	653.87	652.96	652.05	650.86	652.05	652.96	653.87	654.15	653.87
<b>30.0</b>	635.46	635.46	634.48	633.43	632.24	633.43	634.48	635.46	635.46	635.46
<b>32.5</b>	615.65	615.86	615.09	613.83	612.71	613.83	615.09	615.86	615.65	615.86
<b>35.0</b>	595.63	595.56	594.58	593.11	592.13	593.11	594.58	595.56	595.63	595.56
<b>37.5</b>	574.56	574.28	572.81	571.41	570.29	571.41	572.81	574.28	574.56	574.28
<b>40.0</b>	551.32	550.97	549.92	548.24	547.19	548.24	549.92	550.97	551.32	550.97
<b>42.5</b>	526.54	526.54	525.49	523.95	523.04	523.95	525.49	526.54	526.54	526.54
<b>45.0</b>	501.13	500.85	499.59	497.91	497.14	497.91	499.59	500.85	501.13	500.85
<b>47.5</b>	475.30	474.39	473.06	471.45	470.61	471.45	473.06	474.39	475.30	474.39
<b>50.0</b>	447.79	447.30	445.90	444.36	443.52	444.36	445.90	447.30	447.79	447.30
<b>52.5</b>	419.86	419.16	418.11	416.50	415.94	416.50	418.11	419.16	419.86	419.16
<b>55.0</b>	391.72	390.67	389.62	388.08	387.66	388.08	389.62	390.67	391.72	390.67
<b>57.5</b>	362.46	361.69	360.57	359.24	358.68	359.24	360.57	361.69	362.46	361.69
<b>60.0</b>	332.64	332.01	331.03	329.98	329.42	329.98	331.03	332.01	332.64	332.01
<b>62.5</b>	302.82	302.19	301.49	300.44	300.02	300.44	301.49	302.19	302.82	302.19
<b>65.0</b>	273.00	272.30	271.60	270.76	271.39	270.76	271.60	272.30	273.00	272.30
<b>67.5</b>	242.97	242.62	241.71	241.57	240.52	241.57	241.71	242.62	242.97	242.62
<b>70.0</b>	212.80	212.38	212.03	211.54	210.91	211.54	212.03	212.38	212.80	212.38
<b>72.5</b>	183.05	182.70	182.98	182.21	182.28	182.21	182.98	182.70	183.05	182.70
<b>75.0</b>	153.72	153.51	153.58	153.65	152.81	153.65	153.58	153.51	153.72	153.51
<b>77.5</b>	124.88	124.81	124.88	124.88	124.39	124.88	124.88	124.81	124.88	124.81
<b>80.0</b>	96.95	97.09	97.23	97.30	97.02	97.30	97.23	97.09	96.95	97.09
<b>82.5</b>	70.21	70.21	70.70	70.70	70.21	70.70	70.70	70.21	70.21	70.21
<b>85.0</b>	44.87	44.94	45.29	45.43	45.08	45.43	45.29	44.94	44.87	44.94
<b>87.5</b>	21.00	20.86	21.14	21.70	20.93	21.70	21.14	20.86	21.00	20.86
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>92.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>97.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>102.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>107.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>110.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>112.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>115.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>117.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>122.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>125.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>127.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>130.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>132.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**CANDELA TABULATION - (Cont.)**

135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Angles**      **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	752.22	752.22	752.22	752.22	752.22	752.22	752.22
2.5	751.03	751.45	750.89	751.45	751.03	751.24	750.89
5.0	748.23	748.51	747.81	748.51	748.23	748.44	748.09
7.5	743.82	744.03	743.47	744.03	743.82	744.10	743.89
10.0	737.73	738.15	737.38	738.15	737.73	738.22	737.87
12.5	730.59	730.66	730.17	730.66	730.59	731.01	730.87
15.0	721.91	721.98	721.35	721.98	721.91	722.54	722.40
17.5	711.62	711.62	710.92	711.62	711.62	712.39	712.18
20.0	699.72	699.44	698.67	699.44	699.72	700.42	700.28
22.5	685.86	685.44	684.53	685.44	685.86	686.56	686.42
25.0	670.11	669.48	668.57	669.48	670.11	670.95	670.67
27.5	652.96	652.05	650.86	652.05	652.96	653.87	654.15
30.0	634.48	633.43	632.24	633.43	634.48	635.46	635.46
32.5	615.09	613.83	612.71	613.83	615.09	615.86	615.65
35.0	594.58	593.11	592.13	593.11	594.58	595.56	595.63
37.5	572.81	571.41	570.29	571.41	572.81	574.28	574.56
40.0	549.92	548.24	547.19	548.24	549.92	550.97	551.32
42.5	525.49	523.95	523.04	523.95	525.49	526.54	526.54
45.0	499.59	497.91	497.14	497.91	499.59	500.85	501.13
47.5	473.06	471.45	470.61	471.45	473.06	474.39	475.30
50.0	445.90	444.36	443.52	444.36	445.90	447.30	447.79
52.5	418.11	416.50	415.94	416.50	418.11	419.16	419.86
55.0	389.62	388.08	387.66	388.08	389.62	390.67	391.72
57.5	360.57	359.24	358.68	359.24	360.57	361.69	362.46
60.0	331.03	329.98	329.42	329.98	331.03	332.01	332.64
62.5	301.49	300.44	300.02	300.44	301.49	302.19	302.82
65.0	271.60	270.76	271.39	270.76	271.60	272.30	273.00
67.5	241.71	241.57	240.52	241.57	241.71	242.62	242.97
70.0	212.03	211.54	210.91	211.54	212.03	212.38	212.80
72.5	182.98	182.21	182.28	182.21	182.98	182.70	183.05
75.0	153.58	153.65	152.81	153.65	153.58	153.51	153.72
77.5	124.88	124.88	124.39	124.88	124.88	124.81	124.88
80.0	97.23	97.30	97.02	97.30	97.23	97.09	96.95

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**CANDELA TABULATION - (Cont.)**

82.5	70.70	70.70	70.21	70.70	70.70	70.21	70.21
85.0	45.29	45.43	45.08	45.43	45.29	44.94	44.87
87.5	21.14	21.70	20.93	21.70	21.14	20.86	21.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	274.89	N.A.	12.70
0-30	583.63	N.A.	26.90
0-40	955.39	N.A.	44.00
0-60	1688.68	N.A.	77.80
0-80	2119.88	N.A.	97.70
0-90	2170.31	N.A.	100.00
10-90	2099.21	N.A.	96.70
20-40	680.50	N.A.	31.40
20-50	1065.7	N.A.	49.10
40-70	1002.16	N.A.	46.20
60-80	431.20	N.A.	19.90
70-80	162.34	N.A.	7.50
80-90	50.43	N.A.	2.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2170.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	71.10
10-20	203.79
20-30	308.74
30-40	371.76
40-50	385.20
50-60	348.09
60-70	268.87
70-80	162.34
80-90	50.43
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

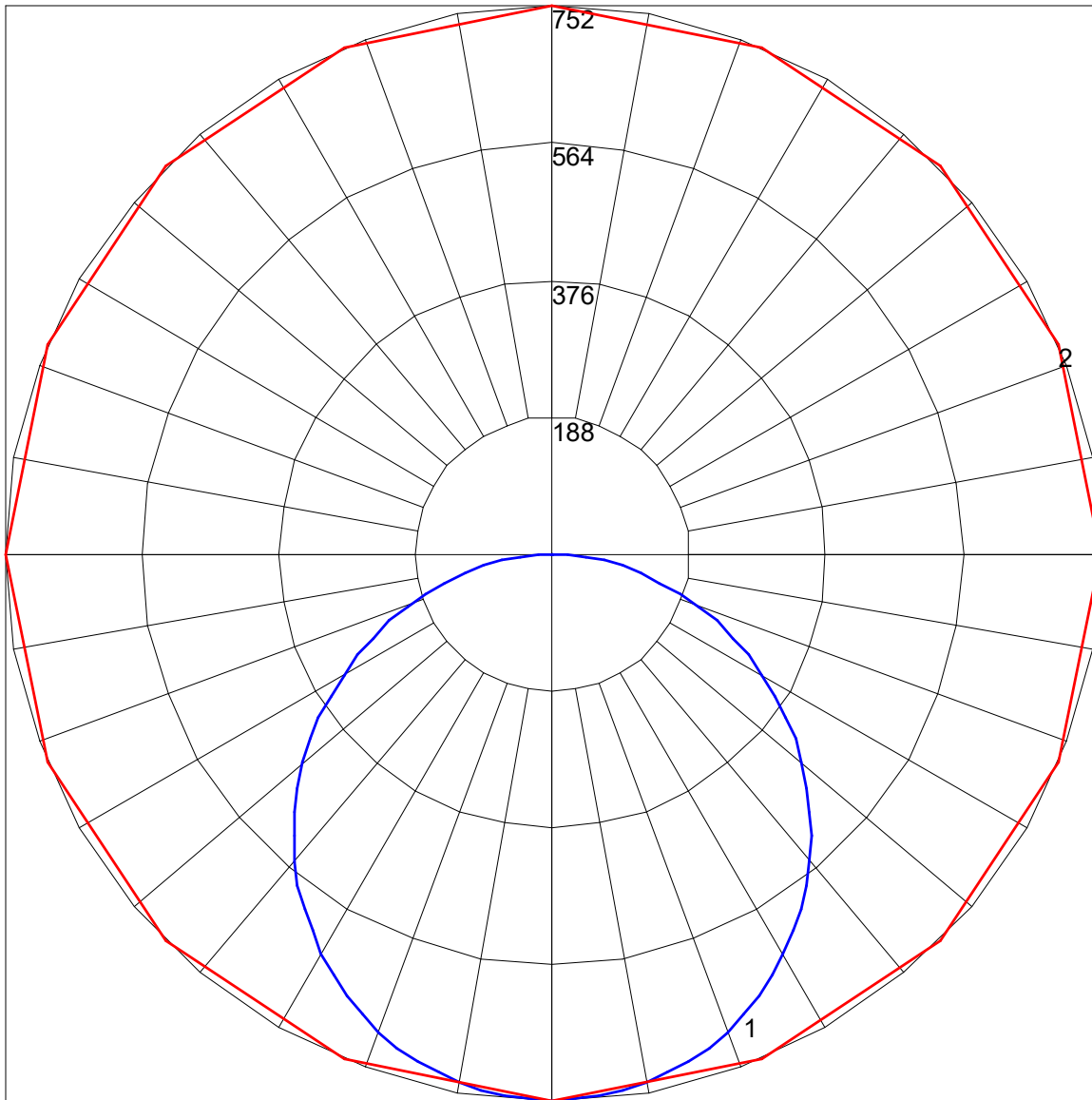
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 752.22 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)