



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8622-LED35-HO-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-HO-WA-SW

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3504
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	36
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	3076	3066	3051
55	2964	2948	2933
65	2803	2789	2787
75	2578	2575	2562
85	2234	2255	2245

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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>
0.0	1214.298	1214.298	1214.298	1214.298	1214.298	1214.298	1214.298	1214.298	1214.298	1214.298
2.5	1212.151	1212.716	1212.377	1213.055	1212.151	1213.055	1212.377	1212.716	1212.151	1212.716
5.0	1207.631	1208.196	1207.857	1208.309	1207.179	1208.309	1207.857	1208.196	1207.631	1208.196
7.5	1200.851	1201.190	1200.738	1201.077	1200.173	1201.077	1200.738	1201.190	1200.851	1201.190
10.0	1191.133	1191.698	1190.907	1191.585	1190.342	1191.585	1190.907	1191.698	1191.133	1191.698
12.5	1179.833	1180.059	1179.381	1179.494	1178.703	1179.494	1179.381	1180.059	1179.833	1180.059
15.0	1166.160	1166.386	1165.369	1165.482	1164.465	1165.482	1165.369	1166.386	1166.160	1166.386
17.5	1149.662	1150.001	1148.758	1148.758	1147.628	1148.758	1148.758	1150.001	1149.662	1150.001
20.0	1130.452	1130.678	1129.548	1129.096	1127.853	1129.096	1129.548	1130.678	1130.452	1130.678
22.5	1108.078	1108.304	1107.174	1106.496	1105.027	1106.496	1107.174	1108.304	1108.078	1108.304
25.0	1082.653	1083.105	1081.749	1080.732	1079.263	1080.732	1081.749	1083.105	1082.653	1083.105
27.5	1055.985	1055.533	1054.064	1052.595	1050.674	1052.595	1054.064	1055.533	1055.985	1055.533
30.0	1025.814	1025.814	1024.232	1022.537	1020.616	1022.537	1024.232	1025.814	1025.814	1025.814
32.5	993.835	994.174	992.931	990.897	989.089	990.897	992.931	994.174	993.835	994.174
35.0	961.517	961.404	959.822	957.449	955.867	957.449	959.822	961.404	961.517	961.404
37.5	927.504	927.052	924.679	922.419	920.611	922.419	924.679	927.052	927.504	927.052
40.0	889.988	889.423	887.728	885.016	883.321	885.016	887.728	889.423	889.988	889.423
42.5	849.986	849.986	848.291	845.805	844.336	845.805	848.291	849.986	849.986	849.986
45.0	808.967	808.515	806.481	803.769	802.526	803.769	806.481	808.515	808.967	808.515
47.5	767.270	765.801	763.654	761.055	759.699	761.055	763.654	765.801	767.270	765.801
50.0	722.861	722.070	719.810	717.324	715.968	717.324	719.810	722.070	722.861	722.070
52.5	677.774	676.644	674.949	672.350	671.446	672.350	674.949	676.644	677.774	676.644
55.0	632.348	630.653	628.958	626.472	625.794	626.472	628.958	630.653	632.348	630.653
57.5	585.114	583.871	582.063	579.916	579.012	579.916	582.063	583.871	585.114	583.871
60.0	536.976	535.959	534.377	532.682	531.778	532.682	534.377	535.959	536.976	535.959
62.5	488.838	487.821	486.691	484.996	484.318	484.996	486.691	487.821	488.838	487.821
65.0	440.700	439.570	438.440	437.084	438.101	437.084	438.440	439.570	440.700	439.570
67.5	392.223	391.658	390.189	389.963	388.268	389.963	390.189	391.658	392.223	391.658
70.0	343.520	342.842	342.277	341.486	340.469	341.486	342.277	342.842	343.520	342.842
72.5	295.495	294.930	295.382	294.139	294.252	294.139	295.382	294.930	295.495	294.930
75.0	248.148	247.809	247.922	248.035	246.679	248.035	247.922	247.809	248.148	247.809
77.5	201.592	201.479	201.592	201.592	200.801	201.592	201.592	201.479	201.592	201.479
80.0	156.505	156.731	156.957	157.070	156.618	157.070	156.957	156.731	156.505	156.731
82.5	113.339	113.339	114.130	114.130	113.339	114.130	114.130	113.339	113.339	113.339
85.0	72.433	72.546	73.111	73.337	72.772	73.337	73.111	72.546	72.433	72.546
87.5	33.900	33.674	34.126	35.030	33.787	35.030	34.126	33.674	33.900	33.674
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. 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	1214.298	1214.298	1214.298	1214.298	1214.298	1214.298	1214.298
2.5	1212.377	1213.055	1212.151	1213.055	1212.377	1212.716	1212.151
5.0	1207.857	1208.309	1207.179	1208.309	1207.857	1208.196	1207.631
7.5	1200.738	1201.077	1200.173	1201.077	1200.738	1201.190	1200.851
10.0	1190.907	1191.585	1190.342	1191.585	1190.907	1191.698	1191.133
12.5	1179.381	1179.494	1178.703	1179.494	1179.381	1180.059	1179.833
15.0	1165.369	1165.482	1164.465	1165.482	1165.369	1166.386	1166.160
17.5	1148.758	1148.758	1147.628	1148.758	1148.758	1150.001	1149.662
20.0	1129.548	1129.096	1127.853	1129.096	1129.548	1130.678	1130.452
22.5	1107.174	1106.496	1105.027	1106.496	1107.174	1108.304	1108.078
25.0	1081.749	1080.732	1079.263	1080.732	1081.749	1083.105	1082.653
27.5	1054.064	1052.595	1050.674	1052.595	1054.064	1055.533	1055.985
30.0	1024.232	1022.537	1020.616	1022.537	1024.232	1025.814	1025.814
32.5	992.931	990.897	989.089	990.897	992.931	994.174	993.835
35.0	959.822	957.449	955.867	957.449	959.822	961.404	961.517
37.5	924.679	922.419	920.611	922.419	924.679	927.052	927.504
40.0	887.728	885.016	883.321	885.016	887.728	889.423	889.988
42.5	848.291	845.805	844.336	845.805	848.291	849.986	849.986
45.0	806.481	803.769	802.526	803.769	806.481	808.515	808.967
47.5	763.654	761.055	759.699	761.055	763.654	765.801	767.270
50.0	719.810	717.324	715.968	717.324	719.810	722.070	722.861
52.5	674.949	672.350	671.446	672.350	674.949	676.644	677.774
55.0	628.958	626.472	625.794	626.472	628.958	630.653	632.348
57.5	582.063	579.916	579.012	579.916	582.063	583.871	585.114
60.0	534.377	532.682	531.778	532.682	534.377	535.959	536.976
62.5	486.691	484.996	484.318	484.996	486.691	487.821	488.838
65.0	438.440	437.084	438.101	437.084	438.440	439.570	440.700
67.5	390.189	389.963	388.268	389.963	390.189	391.658	392.223
70.0	342.277	341.486	340.469	341.486	342.277	342.842	343.520
72.5	295.382	294.139	294.252	294.139	295.382	294.930	295.495
75.0	247.922	248.035	246.679	248.035	247.922	247.809	248.148
77.5	201.592	201.592	200.801	201.592	201.592	201.479	201.592
80.0	156.957	157.070	156.618	157.070	156.957	156.731	156.505

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CANDELA TABULATION - (Cont.)

82.5	114.130	114.130	113.339	114.130	114.130	113.339	113.339
85.0	73.111	73.337	72.772	73.337	73.111	72.546	72.433
87.5	34.126	35.030	33.787	35.030	34.126	33.674	33.900
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	443.75	N.A.	12.70
0-30	942.15	N.A.	26.90
0-40	1542.27	N.A.	44.00
0-60	2726.01	N.A.	77.80
0-80	3422.1	N.A.	97.70
0-90	3503.51	N.A.	100.00
10-90	3388.73	N.A.	96.70
20-40	1098.51	N.A.	31.40
20-50	1720.34	N.A.	49.10
40-70	1617.77	N.A.	46.20
60-80	696.09	N.A.	19.90
70-80	262.06	N.A.	7.50
80-90	81.41	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	3503.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.78
10-20	328.97
20-30	498.39
30-40	600.12
40-50	621.82
50-60	561.92
60-70	434.03
70-80	262.06
80-90	81.41
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

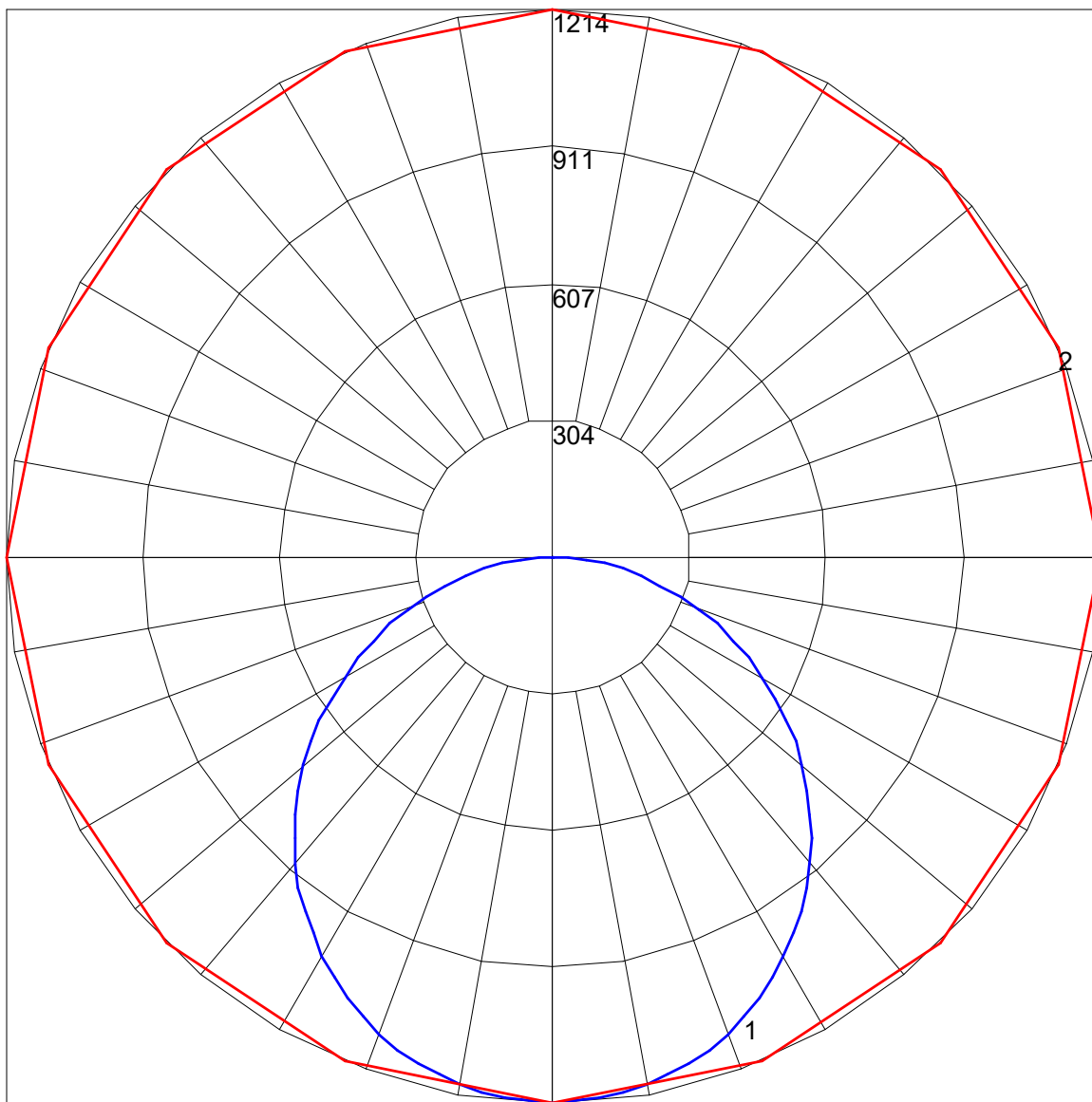
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	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	84	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	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 = 1214.298 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.)