



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P33-LED35-HO-4-SAL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] P33-LED35-HO-4-SAL-D1

[TESTLAB] Intertek

[ISSUE DATE]

[MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3661
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11745	12762	14102
55	10189	11241	12628
65	8790	9834	11148
75	7236	8042	9217
85	4596	5048	5736

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P33-LED35-HO-4-SAL.IES

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	1642.850	1642.850	1642.850	1642.850	1642.850	1642.850	1642.850	1642.850	1642.850	1642.850
2.5	1640.430	1639.770	1632.840	1641.552	1641.750	1641.552	1632.840	1639.770	1640.430	1639.770
5.0	1625.492	1626.196	1621.246	1632.708	1633.280	1632.708	1621.246	1626.196	1625.492	1626.196
7.5	1604.614	1605.626	1604.592	1616.714	1620.608	1616.714	1604.592	1605.626	1604.614	1605.626
10.0	1572.384	1576.740	1578.984	1594.912	1600.412	1594.912	1578.984	1576.740	1572.384	1576.740
12.5	1537.492	1540.308	1548.932	1568.666	1574.320	1568.666	1548.932	1540.308	1537.492	1540.308
15.0	1493.008	1498.376	1510.498	1536.876	1543.850	1536.876	1510.498	1498.376	1493.008	1498.376
17.5	1445.774	1452.198	1466.960	1497.958	1509.178	1497.958	1466.960	1452.198	1445.774	1452.198
20.0	1390.950	1398.606	1419.462	1457.192	1468.918	1457.192	1419.462	1398.606	1390.950	1398.606
22.5	1331.814	1343.210	1367.608	1408.902	1422.850	1408.902	1367.608	1343.210	1331.814	1343.210
25.0	1267.354	1282.556	1312.586	1359.534	1376.826	1359.534	1312.586	1282.556	1267.354	1282.556
27.5	1203.400	1219.614	1256.816	1305.656	1324.532	1305.656	1256.816	1219.614	1203.400	1219.614
30.0	1139.886	1156.364	1195.810	1251.492	1271.358	1251.492	1195.810	1156.364	1139.886	1156.364
32.5	1074.656	1091.024	1134.188	1191.916	1215.214	1191.916	1134.188	1091.024	1074.656	1091.024
35.0	1008.282	1025.156	1071.026	1131.548	1155.220	1131.548	1071.026	1025.156	1008.282	1025.156
37.5	942.876	962.346	1008.810	1070.058	1093.356	1070.058	1008.810	962.346	942.876	962.346
40.0	880.748	898.392	945.494	1008.326	1032.878	1008.326	945.494	898.392	880.748	898.392
42.5	817.344	835.758	883.652	945.296	969.606	945.296	883.652	835.758	817.344	835.758
45.0	756.162	774.928	821.656	882.332	907.918	882.332	821.656	774.928	756.162	774.928
47.5	696.410	715.220	761.992	818.664	846.340	818.664	761.992	715.220	696.410	715.220
50.0	639.342	658.394	702.218	759.022	783.332	759.022	702.218	658.394	639.342	658.394
52.5	585.860	602.294	643.830	696.784	721.160	696.784	643.830	602.294	585.860	602.294
55.0	532.114	547.734	587.070	634.942	659.494	634.942	587.070	547.734	532.114	547.734
57.5	483.054	495.770	534.094	579.062	599.940	579.062	534.094	495.770	483.054	495.770
60.0	432.674	446.622	480.216	521.686	543.202	521.686	480.216	446.622	432.674	446.622
62.5	386.122	396.990	428.824	465.410	486.486	465.410	428.824	396.990	386.122	396.990
65.0	338.228	350.592	378.400	411.268	428.978	411.268	378.400	350.592	338.228	350.592
67.5	293.898	301.928	329.098	358.754	373.164	358.754	329.098	301.928	293.898	301.928
70.0	250.756	257.136	280.896	306.174	323.246	306.174	280.896	257.136	250.756	257.136
72.5	208.186	214.852	234.740	257.510	268.312	257.510	234.740	214.852	208.186	214.852
75.0	170.522	171.666	189.530	206.184	217.206	206.184	189.530	171.666	170.522	171.666
77.5	133.738	135.036	148.654	162.536	169.774	162.536	148.654	135.036	133.738	135.036
80.0	95.194	101.266	107.690	117.304	127.402	117.304	107.690	101.266	95.194	101.266
82.5	63.866	65.626	71.786	78.122	84.128	78.122	71.786	65.626	63.866	65.626
85.0	36.476	35.882	40.062	42.878	45.518	42.878	40.062	35.882	36.476	35.882
87.5	13.596	12.980	13.618	15.334	16.588	15.334	13.618	12.980	13.596	12.980
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P33-LED35-HO-4-SAL.IES

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	1642.850	1642.850	1642.850	1642.850	1642.850	1642.850	1642.850
2.5	1632.840	1641.552	1641.750	1641.552	1632.840	1639.770	1640.430
5.0	1621.246	1632.708	1633.280	1632.708	1621.246	1626.196	1625.492
7.5	1604.592	1616.714	1620.608	1616.714	1604.592	1605.626	1604.614
10.0	1578.984	1594.912	1600.412	1594.912	1578.984	1576.740	1572.384
12.5	1548.932	1568.666	1574.320	1568.666	1548.932	1540.308	1537.492
15.0	1510.498	1536.876	1543.850	1536.876	1510.498	1498.376	1493.008
17.5	1466.960	1497.958	1509.178	1497.958	1466.960	1452.198	1445.774
20.0	1419.462	1457.192	1468.918	1457.192	1419.462	1398.606	1390.950
22.5	1367.608	1408.902	1422.850	1408.902	1367.608	1343.210	1331.814
25.0	1312.586	1359.534	1376.826	1359.534	1312.586	1282.556	1267.354
27.5	1256.816	1305.656	1324.532	1305.656	1256.816	1219.614	1203.400
30.0	1195.810	1251.492	1271.358	1251.492	1195.810	1156.364	1139.886
32.5	1134.188	1191.916	1215.214	1191.916	1134.188	1091.024	1074.656
35.0	1071.026	1131.548	1155.220	1131.548	1071.026	1025.156	1008.282
37.5	1008.810	1070.058	1093.356	1070.058	1008.810	962.346	942.876
40.0	945.494	1008.326	1032.878	1008.326	945.494	898.392	880.748
42.5	883.652	945.296	969.606	945.296	883.652	835.758	817.344
45.0	821.656	882.332	907.918	882.332	821.656	774.928	756.162
47.5	761.992	818.664	846.340	818.664	761.992	715.220	696.410
50.0	702.218	759.022	783.332	759.022	702.218	658.394	639.342
52.5	643.830	696.784	721.160	696.784	643.830	602.294	585.860
55.0	587.070	634.942	659.494	634.942	587.070	547.734	532.114
57.5	534.094	579.062	599.940	579.062	534.094	495.770	483.054
60.0	480.216	521.686	543.202	521.686	480.216	446.622	432.674
62.5	428.824	465.410	486.486	465.410	428.824	396.990	386.122
65.0	378.400	411.268	428.978	411.268	378.400	350.592	338.228
67.5	329.098	358.754	373.164	358.754	329.098	301.928	293.898
70.0	280.896	306.174	323.246	306.174	280.896	257.136	250.756
72.5	234.740	257.510	268.312	257.510	234.740	214.852	208.186
75.0	189.530	206.184	217.206	206.184	189.530	171.666	170.522
77.5	148.654	162.536	169.774	162.536	148.654	135.036	133.738
80.0	107.690	117.304	127.402	117.304	107.690	101.266	95.194

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P33-LED35-HO-4-SAL.IES

CANDELA TABULATION - (Cont.)

82.5	71.786	78.122	84.128	78.122	71.786	65.626	63.866
85.0	40.062	42.878	45.518	42.878	40.062	35.882	36.476
87.5	13.618	15.334	16.588	15.334	13.618	12.980	13.596
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P33-LED35-HO-4-SAL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	580.34	N.A.	15.90
0-30	1187.04	N.A.	32.40
0-40	1860.86	N.A.	50.80
0-60	3030.48	N.A.	82.80
0-80	3611.74	N.A.	98.70
0-90	3661.04	N.A.	100.00
10-90	3507.03	N.A.	95.80
20-40	1280.52	N.A.	35.00
20-50	1919.58	N.A.	52.40
40-70	1547.31	N.A.	42.30
60-80	581.26	N.A.	15.90
70-80	203.57	N.A.	5.60
80-90	49.30	N.A.	1.30
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	3661.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.00
10-20	426.34
20-30	606.70
30-40	673.82
40-50	639.06
50-60	530.56
60-70	377.69
70-80	203.57
80-90	49.30
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

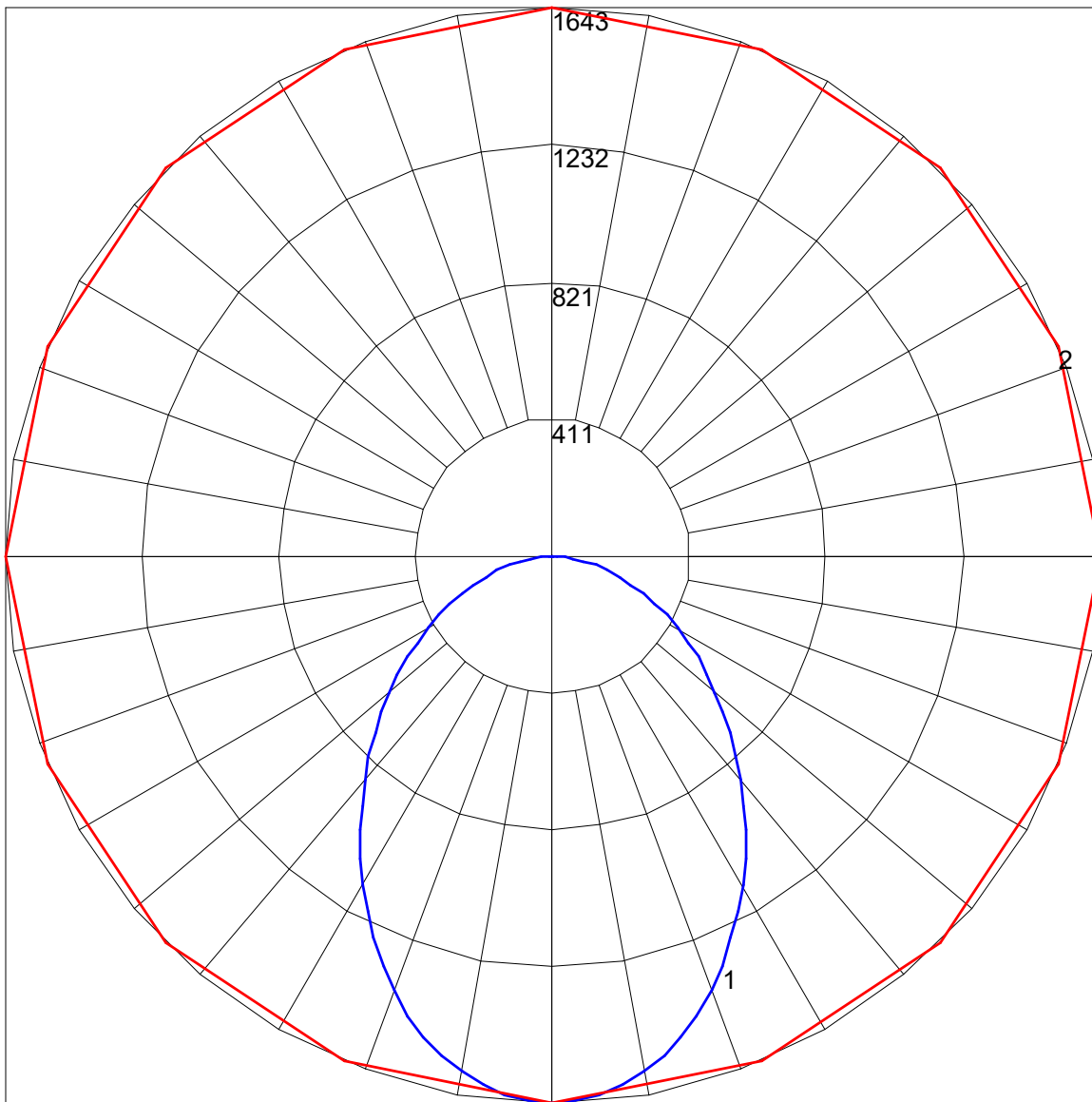
IES INDOOR REPORT
PHOTOMETRIC FILENAME : P33-LED35-HO-4-SAL.IES

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	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	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	49	59	53	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	35	30	41	34	29	40	34	29	39	33	29	28

POLAR GRAPH



Maximum Candela = 1642.85 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.)