



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] P33-LED35-SO-4-SAL-D1-SC-UNV-DM10

[TESTLAB] Intertek

[ISSUE DATE] May 9, 2017

[MANUFAC] Prudential Lighting

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3245
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	33.4
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	10410	11312	12499
55	9031	9964	11193
65	7791	8716	9881
75	6414	7129	8169
85	4074	4475	5084

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P33-LED35-SO-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>
<b>0.0</b>	1456.163	1456.163	1456.163	1456.163	1456.163	1456.163	1456.163	1456.163	1456.163	1456.163
<b>2.5</b>	1454.018	1453.433	1447.290	1455.012	1455.188	1455.012	1447.290	1453.433	1454.018	1453.433
<b>5.0</b>	1440.777	1441.401	1437.014	1447.173	1447.680	1447.173	1437.014	1441.401	1440.777	1441.401
<b>7.5</b>	1422.272	1423.169	1422.252	1432.997	1436.448	1432.997	1422.252	1423.169	1422.272	1423.169
<b>10.0</b>	1393.704	1397.565	1399.554	1413.672	1418.547	1413.672	1399.554	1397.565	1393.704	1397.565
<b>12.5</b>	1362.777	1365.273	1372.917	1390.409	1395.420	1390.409	1372.917	1365.273	1362.777	1365.273
<b>15.0</b>	1323.348	1328.106	1338.851	1362.231	1368.413	1362.231	1338.851	1328.106	1323.348	1328.106
<b>17.5</b>	1281.482	1287.176	1300.260	1327.736	1337.681	1327.736	1300.260	1287.176	1281.482	1287.176
<b>20.0</b>	1232.888	1239.674	1258.160	1291.602	1301.996	1291.602	1258.160	1239.674	1232.888	1239.674
<b>22.5</b>	1180.472	1190.573	1212.198	1248.800	1261.163	1248.800	1212.198	1190.573	1180.472	1190.573
<b>25.0</b>	1123.337	1136.811	1163.429	1205.042	1220.369	1205.042	1163.429	1136.811	1123.337	1136.811
<b>27.5</b>	1066.650	1081.022	1113.996	1157.286	1174.017	1157.286	1113.996	1081.022	1066.650	1081.022
<b>30.0</b>	1010.354	1024.959	1059.923	1109.277	1126.886	1109.277	1059.923	1024.959	1010.354	1024.959
<b>32.5</b>	952.536	967.044	1005.303	1056.471	1077.122	1056.471	1005.303	967.044	952.536	967.044
<b>35.0</b>	893.705	908.661	949.319	1002.963	1023.945	1002.963	949.319	908.661	893.705	908.661
<b>37.5</b>	835.731	852.989	894.173	948.461	969.111	948.461	894.173	852.989	835.731	852.989
<b>40.0</b>	780.663	796.302	838.052	893.744	915.506	893.744	838.052	796.302	780.663	796.302
<b>42.5</b>	724.464	740.786	783.237	837.876	859.424	837.876	783.237	740.786	724.464	740.786
<b>45.0</b>	670.235	686.868	728.286	782.067	804.746	782.067	728.286	686.868	670.235	686.868
<b>47.5</b>	617.273	633.945	675.402	725.634	750.165	725.634	675.402	633.945	617.273	633.945
<b>50.0</b>	566.690	583.577	622.421	672.770	694.317	672.770	622.421	583.577	566.690	583.577
<b>52.5</b>	519.285	533.852	570.668	617.604	639.210	617.604	570.668	533.852	519.285	533.852
<b>55.0</b>	471.647	485.492	520.358	562.790	584.552	562.790	520.358	485.492	471.647	485.492
<b>57.5</b>	428.162	439.433	473.402	513.260	531.765	513.260	473.402	439.433	428.162	439.433
<b>60.0</b>	383.507	395.870	425.646	462.404	481.475	462.404	425.646	395.870	383.507	395.870
<b>62.5</b>	342.245	351.878	380.094	412.523	431.204	412.523	380.094	351.878	342.245	351.878
<b>65.0</b>	299.793	310.752	335.400	364.533	380.231	364.533	335.400	310.752	299.793	310.752
<b>67.5</b>	260.501	267.618	291.701	317.987	330.759	317.987	291.701	267.618	260.501	267.618
<b>70.0</b>	222.261	227.916	248.976	271.382	286.514	271.382	248.976	227.916	222.261	227.916
<b>72.5</b>	184.529	190.437	208.065	228.248	237.822	228.248	208.065	190.437	184.529	190.437
<b>75.0</b>	151.145	152.159	167.993	182.754	192.524	182.754	167.993	152.159	151.145	152.159
<b>77.5</b>	118.541	119.691	131.762	144.066	150.482	144.066	131.762	119.691	118.541	119.691
<b>80.0</b>	84.377	89.759	95.453	103.974	112.925	103.974	95.453	89.759	84.377	89.759
<b>82.5</b>	56.609	58.169	63.629	69.245	74.568	69.245	63.629	58.169	56.609	58.169
<b>85.0</b>	32.331	31.805	35.510	38.006	40.346	38.006	35.510	31.805	32.331	31.805
<b>87.5</b>	12.051	11.505	12.071	13.592	14.703	13.592	12.071	11.505	12.051	11.505
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>92.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>132.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
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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	1456.163	1456.163	1456.163	1456.163	1456.163	1456.163	1456.163
2.5	1447.290	1455.012	1455.188	1455.012	1447.290	1453.433	1454.018
5.0	1437.014	1447.173	1447.680	1447.173	1437.014	1441.401	1440.777
7.5	1422.252	1432.997	1436.448	1432.997	1422.252	1423.169	1422.272
10.0	1399.554	1413.672	1418.547	1413.672	1399.554	1397.565	1393.704
12.5	1372.917	1390.409	1395.420	1390.409	1372.917	1365.273	1362.777
15.0	1338.851	1362.231	1368.413	1362.231	1338.851	1328.106	1323.348
17.5	1300.260	1327.736	1337.681	1327.736	1300.260	1287.176	1281.482
20.0	1258.160	1291.602	1301.996	1291.602	1258.160	1239.674	1232.888
22.5	1212.198	1248.800	1261.163	1248.800	1212.198	1190.573	1180.472
25.0	1163.429	1205.042	1220.369	1205.042	1163.429	1136.811	1123.337
27.5	1113.996	1157.286	1174.017	1157.286	1113.996	1081.022	1066.650
30.0	1059.923	1109.277	1126.886	1109.277	1059.923	1024.959	1010.354
32.5	1005.303	1056.471	1077.122	1056.471	1005.303	967.044	952.536
35.0	949.319	1002.963	1023.945	1002.963	949.319	908.661	893.705
37.5	894.173	948.461	969.111	948.461	894.173	852.989	835.731
40.0	838.052	893.744	915.506	893.744	838.052	796.302	780.663
42.5	783.237	837.876	859.424	837.876	783.237	740.786	724.464
45.0	728.286	782.067	804.746	782.067	728.286	686.868	670.235
47.5	675.402	725.634	750.165	725.634	675.402	633.945	617.273
50.0	622.421	672.770	694.317	672.770	622.421	583.577	566.690
52.5	570.668	617.604	639.210	617.604	570.668	533.852	519.285
55.0	520.358	562.790	584.552	562.790	520.358	485.492	471.647
57.5	473.402	513.260	531.765	513.260	473.402	439.433	428.162
60.0	425.646	462.404	481.475	462.404	425.646	395.870	383.507
62.5	380.094	412.523	431.204	412.523	380.094	351.878	342.245
65.0	335.400	364.533	380.231	364.533	335.400	310.752	299.793
67.5	291.701	317.987	330.759	317.987	291.701	267.618	260.501
70.0	248.976	271.382	286.514	271.382	248.976	227.916	222.261
72.5	208.065	228.248	237.822	228.248	208.065	190.437	184.529
75.0	167.993	182.754	192.524	182.754	167.993	152.159	151.145
77.5	131.762	144.066	150.482	144.066	131.762	119.691	118.541
80.0	95.453	103.974	112.925	103.974	95.453	89.759	84.377

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

82.5	63.629	69.245	74.568	69.245	63.629	58.169	56.609
85.0	35.510	38.006	40.346	38.006	35.510	31.805	32.331
87.5	12.071	13.592	14.703	13.592	12.071	11.505	12.051
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	514.40	N.A.	15.90
0-30	1052.15	N.A.	32.40
0-40	1649.4	N.A.	50.80
0-60	2686.11	N.A.	82.80
0-80	3201.31	N.A.	98.70
0-90	3245.01	N.A.	100.00
10-90	3108.51	N.A.	95.80
20-40	1135.01	N.A.	35.00
20-50	1701.44	N.A.	52.40
40-70	1371.48	N.A.	42.30
60-80	515.21	N.A.	15.90
70-80	180.44	N.A.	5.60
80-90	43.70	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	3245.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	136.50
10-20	377.90
20-30	537.76
30-40	597.25
40-50	566.44
50-60	470.27
60-70	334.77
70-80	180.44
80-90	43.70
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

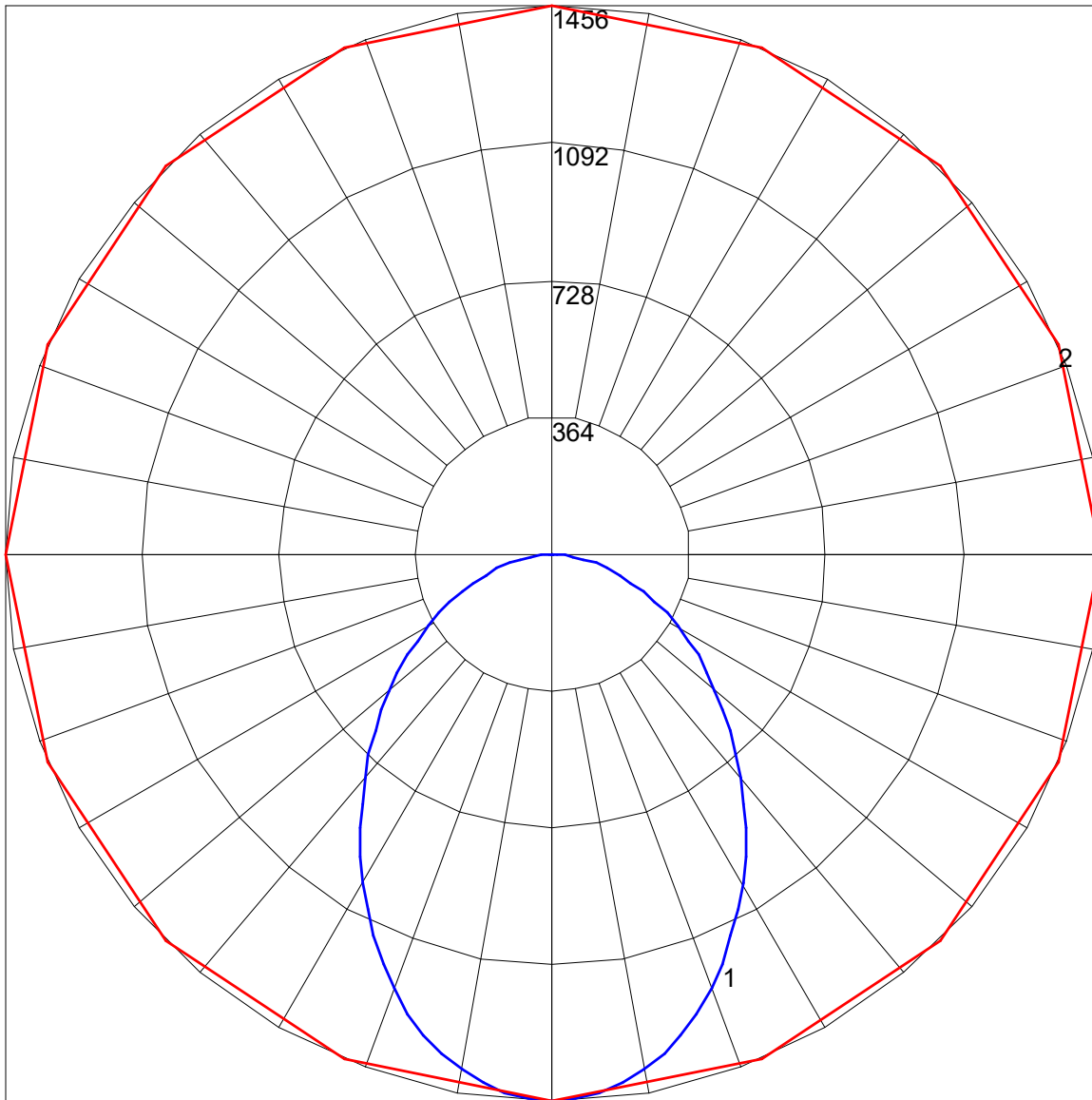
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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 = 1456.163 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.)