



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] P33-LED35-MO-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	2380
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	24
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	7634	8295	9166
55	6623	7307	8208
65	5713	6392	7246
75	4703	5228	5991
85	2988	3281	3728

**IES INDOOR REPORT**  
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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>	1067.852	1067.852	1067.852	1067.852	1067.852	1067.852	1067.852	1067.852	1067.852	1067.852
<b>2.5</b>	1066.279	1065.850	1061.346	1067.009	1067.137	1067.009	1061.346	1065.850	1066.279	1065.850
<b>5.0</b>	1056.570	1057.027	1053.810	1061.260	1061.632	1061.260	1053.810	1057.027	1056.570	1057.027
<b>7.5</b>	1042.999	1043.657	1042.985	1050.864	1053.395	1050.864	1042.985	1043.657	1042.999	1043.657
<b>10.0</b>	1022.050	1024.881	1026.340	1036.693	1040.268	1036.693	1026.340	1024.881	1022.050	1024.881
<b>12.5</b>	999.370	1001.200	1006.806	1019.633	1023.308	1019.633	1006.806	1001.200	999.370	1001.200
<b>15.0</b>	970.455	973.944	981.824	998.969	1003.502	998.969	981.824	973.944	970.455	973.944
<b>17.5</b>	939.753	943.929	953.524	973.673	980.966	973.673	953.524	943.929	939.753	943.929
<b>20.0</b>	904.117	909.094	922.650	947.175	954.797	947.175	922.650	909.094	904.117	909.094
<b>22.5</b>	865.679	873.086	888.945	915.786	924.852	915.786	888.945	873.086	865.679	873.086
<b>25.0</b>	823.780	833.661	853.181	883.697	894.937	883.697	853.181	833.661	823.780	833.661
<b>27.5</b>	782.210	792.749	816.930	848.676	860.946	848.676	816.930	792.749	782.210	792.749
<b>30.0</b>	740.926	751.637	777.276	813.470	826.383	813.470	777.276	751.637	740.926	751.637
<b>32.5</b>	698.526	709.166	737.222	774.745	789.889	774.745	737.222	709.166	698.526	709.166
<b>35.0</b>	655.383	666.351	696.167	735.506	750.893	735.506	696.167	666.351	655.383	666.351
<b>37.5</b>	612.869	625.525	655.726	695.538	710.681	695.538	655.726	625.525	612.869	625.525
<b>40.0</b>	572.486	583.955	614.571	655.412	671.371	655.412	614.571	583.955	572.486	583.955
<b>42.5</b>	531.274	543.243	574.374	614.442	630.244	614.442	574.374	543.243	531.274	543.243
<b>45.0</b>	491.505	503.703	534.076	573.516	590.147	573.516	534.076	503.703	491.505	503.703
<b>47.5</b>	452.666	464.893	495.295	532.132	550.121	532.132	495.295	464.893	452.666	464.893
<b>50.0</b>	415.572	427.956	456.442	493.364	509.166	493.364	456.442	427.956	415.572	427.956
<b>52.5</b>	380.809	391.491	418.489	452.910	468.754	452.910	418.489	391.491	380.809	391.491
<b>55.0</b>	345.874	356.027	381.595	412.712	428.671	412.712	381.595	356.027	345.874	356.027
<b>57.5</b>	313.985	322.250	347.161	376.390	389.961	376.390	347.161	322.250	313.985	322.250
<b>60.0</b>	281.238	290.304	312.140	339.096	353.081	339.096	312.140	290.304	281.238	290.304
<b>62.5</b>	250.979	258.043	278.736	302.516	316.216	302.516	278.736	258.043	250.979	258.043
<b>65.0</b>	219.848	227.885	245.960	267.324	278.836	267.324	245.960	227.885	219.848	227.885
<b>67.5</b>	191.034	196.253	213.914	233.190	242.557	233.190	213.914	196.253	191.034	196.253
<b>70.0</b>	162.991	167.138	182.582	199.013	210.110	199.013	182.582	167.138	162.991	167.138
<b>72.5</b>	135.321	139.654	152.581	167.381	174.403	167.381	152.581	139.654	135.321	139.654
<b>75.0</b>	110.839	111.583	123.194	134.020	141.184	134.020	123.194	111.583	110.839	111.583
<b>77.5</b>	86.930	87.773	96.625	105.648	110.353	105.648	96.625	87.773	86.930	87.773
<b>80.0</b>	61.876	65.823	69.998	76.248	82.811	76.248	69.998	65.823	61.876	65.823
<b>82.5</b>	41.513	42.657	46.661	50.779	54.683	50.779	46.661	42.657	41.513	42.657
<b>85.0</b>	23.709	23.323	26.040	27.871	29.587	27.871	26.040	23.323	23.709	23.323
<b>87.5</b>	8.837	8.437	8.852	9.967	10.782	9.967	8.852	8.437	8.837	8.437
<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

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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. 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	1067.852	1067.852	1067.852	1067.852	1067.852	1067.852	1067.852
2.5	1061.346	1067.009	1067.137	1067.009	1061.346	1065.850	1066.279
5.0	1053.810	1061.260	1061.632	1061.260	1053.810	1057.027	1056.570
7.5	1042.985	1050.864	1053.395	1050.864	1042.985	1043.657	1042.999
10.0	1026.340	1036.693	1040.268	1036.693	1026.340	1024.881	1022.050
12.5	1006.806	1019.633	1023.308	1019.633	1006.806	1001.200	999.370
15.0	981.824	998.969	1003.502	998.969	981.824	973.944	970.455
17.5	953.524	973.673	980.966	973.673	953.524	943.929	939.753
20.0	922.650	947.175	954.797	947.175	922.650	909.094	904.117
22.5	888.945	915.786	924.852	915.786	888.945	873.086	865.679
25.0	853.181	883.697	894.937	883.697	853.181	833.661	823.780
27.5	816.930	848.676	860.946	848.676	816.930	792.749	782.210
30.0	777.276	813.470	826.383	813.470	777.276	751.637	740.926
32.5	737.222	774.745	789.889	774.745	737.222	709.166	698.526
35.0	696.167	735.506	750.893	735.506	696.167	666.351	655.383
37.5	655.726	695.538	710.681	695.538	655.726	625.525	612.869
40.0	614.571	655.412	671.371	655.412	614.571	583.955	572.486
42.5	574.374	614.442	630.244	614.442	574.374	543.243	531.274
45.0	534.076	573.516	590.147	573.516	534.076	503.703	491.505
47.5	495.295	532.132	550.121	532.132	495.295	464.893	452.666
50.0	456.442	493.364	509.166	493.364	456.442	427.956	415.572
52.5	418.489	452.910	468.754	452.910	418.489	391.491	380.809
55.0	381.595	412.712	428.671	412.712	381.595	356.027	345.874
57.5	347.161	376.390	389.961	376.390	347.161	322.250	313.985
60.0	312.140	339.096	353.081	339.096	312.140	290.304	281.238
62.5	278.736	302.516	316.216	302.516	278.736	258.043	250.979
65.0	245.960	267.324	278.836	267.324	245.960	227.885	219.848
67.5	213.914	233.190	242.557	233.190	213.914	196.253	191.034
70.0	182.582	199.013	210.110	199.013	182.582	167.138	162.991
72.5	152.581	167.381	174.403	167.381	152.581	139.654	135.321
75.0	123.194	134.020	141.184	134.020	123.194	111.583	110.839
77.5	96.625	105.648	110.353	105.648	96.625	87.773	86.930
80.0	69.998	76.248	82.811	76.248	69.998	65.823	61.876

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CANDELA TABULATION - (Cont.)

82.5	46.661	50.779	54.683	50.779	46.661	42.657	41.513
85.0	26.040	27.871	29.587	27.871	26.040	23.323	23.709
87.5	8.852	9.967	10.782	9.967	8.852	8.437	8.837
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**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	377.22	N.A.	15.90
0-30	771.58	N.A.	32.40
0-40	1209.56	N.A.	50.80
0-60	1969.81	N.A.	82.80
0-80	2347.63	N.A.	98.70
0-90	2379.67	N.A.	100.00
10-90	2279.57	N.A.	95.80
20-40	832.34	N.A.	35.00
20-50	1247.73	N.A.	52.40
40-70	1005.75	N.A.	42.30
60-80	377.82	N.A.	15.90
70-80	132.32	N.A.	5.60
80-90	32.04	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	2379.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	100.10
10-20	277.12
20-30	394.35
30-40	437.98
40-50	415.39
50-60	344.86
60-70	245.50
70-80	132.32
80-90	32.04
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

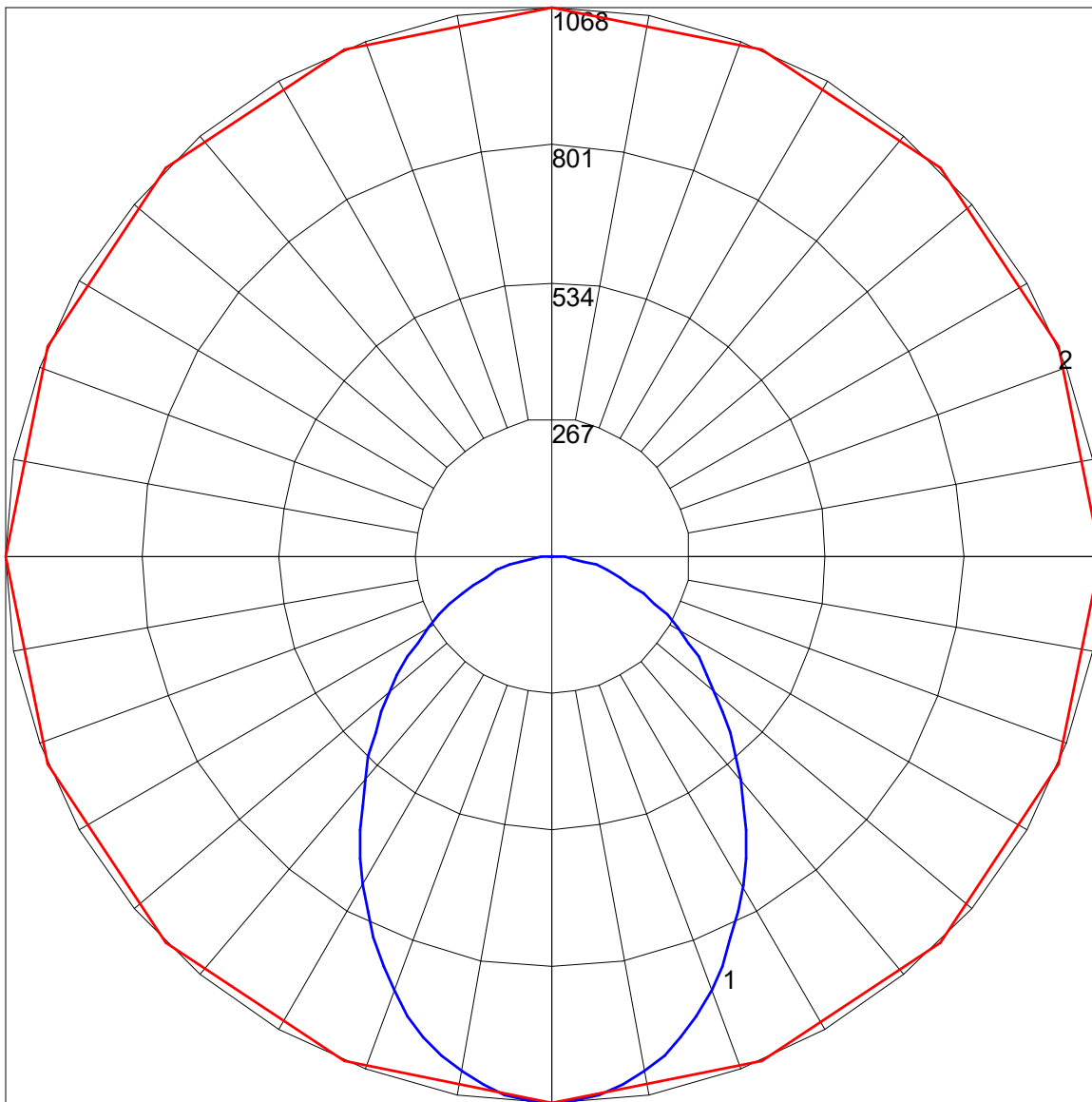
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	50	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 = 1067.852 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.)