



## 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-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	3994
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	48
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	12812	13922	15384
55	11115	12263	13776
65	9589	10727	12161
75	7894	8774	10055
85	5014	5507	6257

**IES INDOOR REPORT**  
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**CANDELA TABULATION**

	<b>0.0</b>	<b>22.5</b>	<b>45.0</b>	<b>67.5</b>	<b>90.0</b>	<b>112.5</b>	<b>135.0</b>	<b>157.5</b>	<b>180.0</b>	<b>202.5</b>
<b>0.0</b>	1792.200	1792.200	1792.200	1792.200	1792.200	1792.200	1792.200	1792.200	1792.200	1792.200
<b>2.5</b>	1789.560	1788.840	1781.280	1790.784	1791.000	1790.784	1781.280	1788.840	1789.560	1788.840
<b>5.0</b>	1773.264	1774.032	1768.632	1781.136	1781.760	1781.136	1768.632	1774.032	1773.264	1774.032
<b>7.5</b>	1750.488	1751.592	1750.464	1763.688	1767.936	1763.688	1750.464	1751.592	1750.488	1751.592
<b>10.0</b>	1715.328	1720.080	1722.528	1739.904	1745.904	1739.904	1722.528	1720.080	1715.328	1720.080
<b>12.5</b>	1677.264	1680.336	1689.744	1711.272	1717.440	1711.272	1689.744	1680.336	1677.264	1680.336
<b>15.0</b>	1628.736	1634.592	1647.816	1676.592	1684.200	1676.592	1647.816	1634.592	1628.736	1634.592
<b>17.5</b>	1577.208	1584.216	1600.320	1634.136	1646.376	1634.136	1600.320	1584.216	1577.208	1584.216
<b>20.0</b>	1517.400	1525.752	1548.504	1589.664	1602.456	1589.664	1548.504	1525.752	1517.400	1525.752
<b>22.5</b>	1452.888	1465.320	1491.936	1536.984	1552.200	1536.984	1491.936	1465.320	1452.888	1465.320
<b>25.0</b>	1382.568	1399.152	1431.912	1483.128	1501.992	1483.128	1431.912	1399.152	1382.568	1399.152
<b>27.5</b>	1312.800	1330.488	1371.072	1424.352	1444.944	1424.352	1371.072	1330.488	1312.800	1330.488
<b>30.0</b>	1243.512	1261.488	1304.520	1365.264	1386.936	1365.264	1304.520	1261.488	1243.512	1261.488
<b>32.5</b>	1172.352	1190.208	1237.296	1300.272	1325.688	1300.272	1237.296	1190.208	1172.352	1190.208
<b>35.0</b>	1099.944	1118.352	1168.392	1234.416	1260.240	1234.416	1168.392	1118.352	1099.944	1118.352
<b>37.5</b>	1028.592	1049.832	1100.520	1167.336	1192.752	1167.336	1100.520	1049.832	1028.592	1049.832
<b>40.0</b>	960.816	980.064	1031.448	1099.992	1126.776	1099.992	1031.448	980.064	960.816	980.064
<b>42.5</b>	891.648	911.736	963.984	1031.232	1057.752	1031.232	963.984	911.736	891.648	911.736
<b>45.0</b>	824.904	845.376	896.352	962.544	990.456	962.544	896.352	845.376	824.904	845.376
<b>47.5</b>	759.720	780.240	831.264	893.088	923.280	893.088	831.264	780.240	759.720	780.240
<b>50.0</b>	697.464	718.248	766.056	828.024	854.544	828.024	766.056	718.248	697.464	718.248
<b>52.5</b>	639.120	657.048	702.360	760.128	786.720	760.128	702.360	657.048	639.120	657.048
<b>55.0</b>	580.488	597.528	640.440	692.664	719.448	692.664	640.440	597.528	580.488	597.528
<b>57.5</b>	526.968	540.840	582.648	631.704	654.480	631.704	582.648	540.840	526.968	540.840
<b>60.0</b>	472.008	487.224	523.872	569.112	592.584	569.112	523.872	487.224	472.008	487.224
<b>62.5</b>	421.224	433.080	467.808	507.720	530.712	507.720	467.808	433.080	421.224	433.080
<b>65.0</b>	368.976	382.464	412.800	448.656	467.976	448.656	412.800	382.464	368.976	382.464
<b>67.5</b>	320.616	329.376	359.016	391.368	407.088	391.368	359.016	329.376	320.616	329.376
<b>70.0</b>	273.552	280.512	306.432	334.008	352.632	334.008	306.432	280.512	273.552	280.512
<b>72.5</b>	227.112	234.384	256.080	280.920	292.704	280.920	256.080	234.384	227.112	234.384
<b>75.0</b>	186.024	187.272	206.760	224.928	236.952	224.928	206.760	187.272	186.024	187.272
<b>77.5</b>	145.896	147.312	162.168	177.312	185.208	177.312	162.168	147.312	145.896	147.312
<b>80.0</b>	103.848	110.472	117.480	127.968	138.984	127.968	117.480	110.472	103.848	110.472
<b>82.5</b>	69.672	71.592	78.312	85.224	91.776	85.224	78.312	71.592	69.672	71.592
<b>85.0</b>	39.792	39.144	43.704	46.776	49.656	46.776	43.704	39.144	39.792	39.144
<b>87.5</b>	14.832	14.160	14.856	16.728	18.096	16.728	14.856	14.160	14.832	14.160
<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. Horizontal Angles**

	<b>225.0</b>	<b>247.5</b>	<b>270.0</b>	<b>292.5</b>	<b>315.0</b>	<b>337.5</b>	<b>360.0</b>
0.0	1792.200	1792.200	1792.200	1792.200	1792.200	1792.200	1792.200
2.5	1781.280	1790.784	1791.000	1790.784	1781.280	1788.840	1789.560
5.0	1768.632	1781.136	1781.760	1781.136	1768.632	1774.032	1773.264
7.5	1750.464	1763.688	1767.936	1763.688	1750.464	1751.592	1750.488
10.0	1722.528	1739.904	1745.904	1739.904	1722.528	1720.080	1715.328
12.5	1689.744	1711.272	1717.440	1711.272	1689.744	1680.336	1677.264
15.0	1647.816	1676.592	1684.200	1676.592	1647.816	1634.592	1628.736
17.5	1600.320	1634.136	1646.376	1634.136	1600.320	1584.216	1577.208
20.0	1548.504	1589.664	1602.456	1589.664	1548.504	1525.752	1517.400
22.5	1491.936	1536.984	1552.200	1536.984	1491.936	1465.320	1452.888
25.0	1431.912	1483.128	1501.992	1483.128	1431.912	1399.152	1382.568
27.5	1371.072	1424.352	1444.944	1424.352	1371.072	1330.488	1312.800
30.0	1304.520	1365.264	1386.936	1365.264	1304.520	1261.488	1243.512
32.5	1237.296	1300.272	1325.688	1300.272	1237.296	1190.208	1172.352
35.0	1168.392	1234.416	1260.240	1234.416	1168.392	1118.352	1099.944
37.5	1100.520	1167.336	1192.752	1167.336	1100.520	1049.832	1028.592
40.0	1031.448	1099.992	1126.776	1099.992	1031.448	980.064	960.816
42.5	963.984	1031.232	1057.752	1031.232	963.984	911.736	891.648
45.0	896.352	962.544	990.456	962.544	896.352	845.376	824.904
47.5	831.264	893.088	923.280	893.088	831.264	780.240	759.720
50.0	766.056	828.024	854.544	828.024	766.056	718.248	697.464
52.5	702.360	760.128	786.720	760.128	702.360	657.048	639.120
55.0	640.440	692.664	719.448	692.664	640.440	597.528	580.488
57.5	582.648	631.704	654.480	631.704	582.648	540.840	526.968
60.0	523.872	569.112	592.584	569.112	523.872	487.224	472.008
62.5	467.808	507.720	530.712	507.720	467.808	433.080	421.224
65.0	412.800	448.656	467.976	448.656	412.800	382.464	368.976
67.5	359.016	391.368	407.088	391.368	359.016	329.376	320.616
70.0	306.432	334.008	352.632	334.008	306.432	280.512	273.552
72.5	256.080	280.920	292.704	280.920	256.080	234.384	227.112
75.0	206.760	224.928	236.952	224.928	206.760	187.272	186.024
77.5	162.168	177.312	185.208	177.312	162.168	147.312	145.896
80.0	117.480	127.968	138.984	127.968	117.480	110.472	103.848

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**CANDELA TABULATION - (Cont.)**

82.5	78.312	85.224	91.776	85.224	78.312	71.592	69.672
85.0	43.704	46.776	49.656	46.776	43.704	39.144	39.792
87.5	14.856	16.728	18.096	16.728	14.856	14.160	14.832
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	633.10	N.A.	15.90
0-30	1294.96	N.A.	32.40
0-40	2030.03	N.A.	50.80
0-60	3305.97	N.A.	82.80
0-80	3940.07	N.A.	98.70
0-90	3993.86	N.A.	100.00
10-90	3825.85	N.A.	95.80
20-40	1396.93	N.A.	35.00
20-50	2094.08	N.A.	52.40
40-70	1687.97	N.A.	42.30
60-80	634.10	N.A.	15.90
70-80	222.07	N.A.	5.60
80-90	53.78	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	3993.86	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	168.00
10-20	465.10
20-30	661.85
30-40	735.07
40-50	697.16
50-60	578.79
60-70	412.03
70-80	222.07
80-90	53.78
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

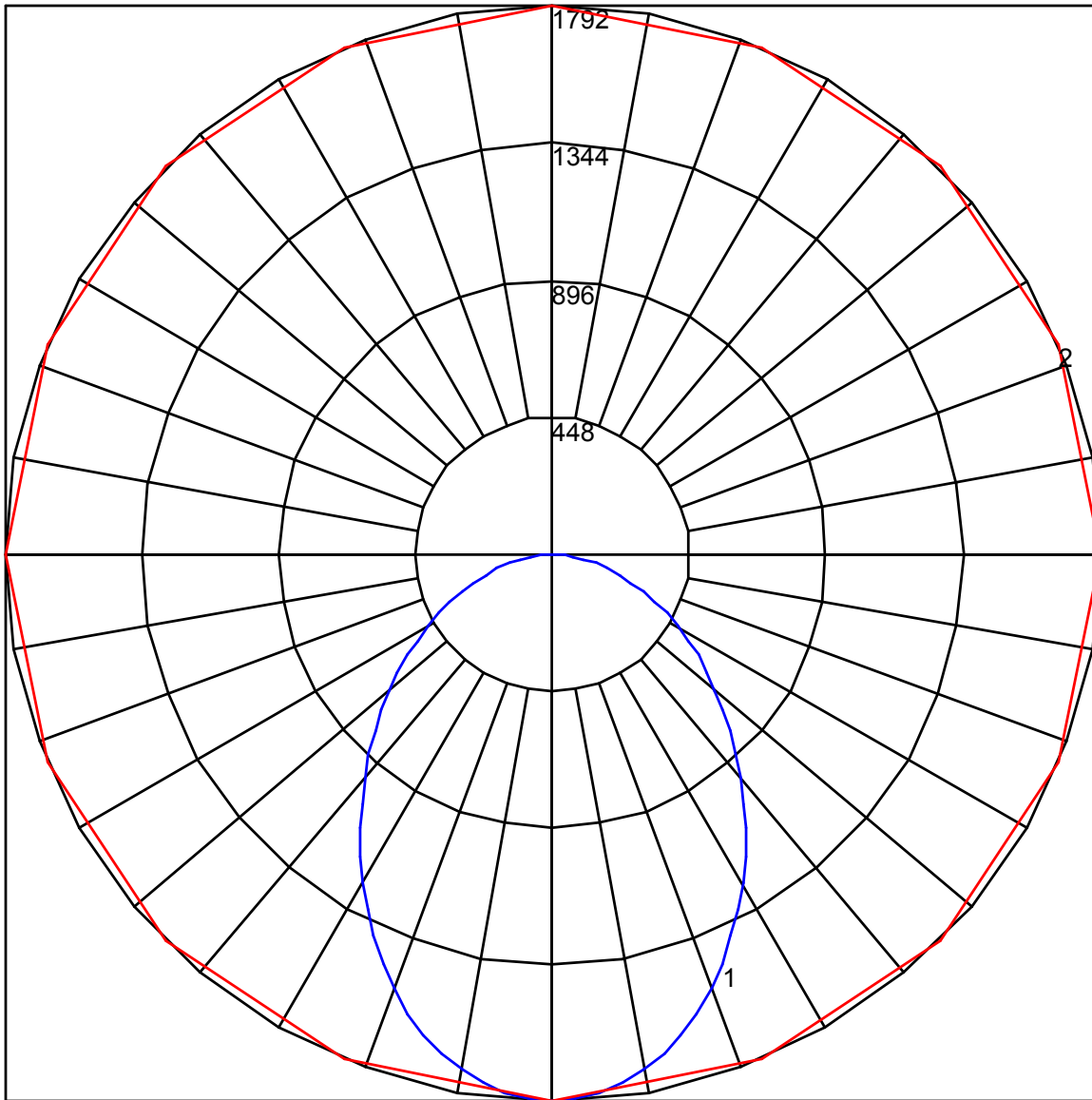
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1792.2 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.)