



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P61-LED35-SO-PCL-D4W.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] P61-LED35-SO-PCL-D4W  
 [TESTLAB] INTERTEK  
 [ISSUE DATE] 5-13-19  
 [MANUFAC] PRUDENTIAL

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3486
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.58
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16993	14440	11430
55	18902	15159	7681
65	2603	15675	6824
75	2155	2339	5459
85	1495	1424	1178

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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>	1501.95	1501.95	1501.95	1501.95	1501.95	1501.95	1501.95	1501.95	1501.95	1501.95
<b>2.5</b>	1536.53	1533.68	1518.48	1505.56	1488.08	1487.51	1478.20	1478.20	1470.79	1478.20
<b>5.0</b>	1561.04	1550.02	1526.65	1504.04	1479.91	1468.89	1449.13	1442.48	1434.31	1442.48
<b>7.5</b>	1586.50	1566.17	1536.91	1508.03	1474.02	1455.02	1421.39	1405.24	1394.22	1405.24
<b>10.0</b>	1618.04	1588.97	1547.74	1507.84	1467.37	1439.25	1389.85	1361.73	1347.67	1361.73
<b>12.5</b>	1656.61	1619.56	1561.99	1511.45	1459.39	1419.87	1358.69	1314.23	1228.16	1314.23
<b>15.0</b>	1637.99	1637.61	1580.04	1502.52	1440.01	1394.22	1323.35	954.37	435.86	954.37
<b>17.5</b>	1612.91	1604.17	1588.21	1488.08	1415.88	1359.64	1233.48	514.71	404.51	514.71
<b>20.0</b>	1610.25	1584.22	1577.57	1474.02	1394.41	1328.67	866.97	397.86	396.34	397.86
<b>22.5</b>	1603.60	1575.29	1552.68	1463.76	1373.70	1297.51	794.77	390.26	391.02	390.26
<b>25.0</b>	1589.16	1559.90	1529.31	1456.92	1349.76	1261.03	574.37	382.85	385.89	382.85
<b>27.5</b>	1582.13	1542.42	1495.11	1434.69	1312.71	1220.56	380.95	376.20	381.71	376.20
<b>30.0</b>	1573.58	1527.98	1468.51	1411.32	1280.60	1130.50	364.99	369.93	377.72	369.93
<b>32.5</b>	1561.61	1512.21	1438.30	1381.30	1245.64	877.61	354.54	363.66	371.45	363.66
<b>35.0</b>	1548.50	1494.35	1409.42	1333.42	1208.21	747.27	345.04	357.20	368.41	357.20
<b>37.5</b>	1542.42	1475.73	1377.50	1282.69	1163.56	703.00	336.49	351.50	361.19	351.50
<b>40.0</b>	1521.14	1450.65	1339.69	1238.23	1123.66	671.46	326.61	344.09	353.02	344.09
<b>42.5</b>	1511.26	1425.19	1305.30	1196.81	1078.63	636.69	316.35	335.35	341.05	335.35
<b>45.0</b>	1489.79	1397.64	1265.97	1151.21	1002.06	598.69	306.85	323.00	326.04	323.00
<b>47.5</b>	1461.29	1373.51	1223.60	1102.95	828.40	562.78	295.83	308.56	308.94	308.56
<b>50.0</b>	1428.99	1336.84	1179.14	1048.42	668.42	522.12	282.34	291.08	290.32	291.08
<b>52.5</b>	1390.61	1287.63	1134.11	996.36	593.94	480.89	267.71	272.08	269.99	272.08
<b>55.0</b>	1344.25	1241.46	1078.06	934.99	546.25	426.36	250.61	250.99	247.00	250.99
<b>57.5</b>	1296.18	1184.27	1025.62	858.80	500.46	277.97	231.99	228.00	225.91	228.00
<b>60.0</b>	1236.14	1120.24	961.97	773.30	454.10	204.82	211.85	205.39	204.82	205.39
<b>62.5</b>	661.01	1057.35	894.14	697.11	404.70	184.68	189.05	183.16	183.35	183.16
<b>65.0</b>	136.42	556.32	821.37	619.78	357.58	163.59	165.68	161.12	162.45	161.12
<b>67.5</b>	121.41	121.22	739.86	546.44	313.31	141.55	142.69	140.03	142.88	140.03
<b>70.0</b>	106.97	100.51	429.78	462.65	268.85	120.27	118.75	120.46	128.82	120.46
<b>72.5</b>	89.68	85.69	308.75	386.84	222.30	100.13	97.47	104.88	106.21	104.88
<b>75.0</b>	69.16	67.83	75.05	307.99	175.18	78.47	78.85	84.36	82.27	84.36
<b>77.5</b>	49.78	48.83	52.44	233.32	131.48	57.95	62.32	63.27	62.89	63.27
<b>80.0</b>	40.28	34.96	36.48	84.74	89.87	40.28	46.36	45.03	45.41	45.03
<b>82.5</b>	31.54	27.93	23.37	50.35	51.49	28.12	29.64	31.35	31.92	31.35
<b>85.0</b>	16.15	15.01	15.39	19.57	12.73	13.49	16.91	17.29	15.20	17.29
<b>87.5</b>	4.37	3.99	5.51	5.89	5.51	5.70	6.46	6.27	6.27	6.27
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>92.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>97.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>100.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>102.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>107.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>110.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>112.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>115.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>117.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>122.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>125.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>127.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>130.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>132.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**CANDELA TABULATION - (Cont.)**

135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	1501.95	1501.95	1501.95	1501.95	1501.95	1501.95	1501.95
2.5	1478.20	1487.51	1488.08	1505.56	1518.48	1533.68	1536.53
5.0	1449.13	1468.89	1479.91	1504.04	1526.65	1550.02	1561.04
7.5	1421.39	1455.02	1474.02	1508.03	1536.91	1566.17	1586.50
10.0	1389.85	1439.25	1467.37	1507.84	1547.74	1588.97	1618.04
12.5	1358.69	1419.87	1459.39	1511.45	1561.99	1619.56	1656.61
15.0	1323.35	1394.22	1440.01	1502.52	1580.04	1637.61	1637.99
17.5	1233.48	1359.64	1415.88	1488.08	1588.21	1604.17	1612.91
20.0	866.97	1328.67	1394.41	1474.02	1577.57	1584.22	1610.25
22.5	794.77	1297.51	1373.70	1463.76	1552.68	1575.29	1603.60
25.0	574.37	1261.03	1349.76	1456.92	1529.31	1559.90	1589.16
27.5	380.95	1220.56	1312.71	1434.69	1495.11	1542.42	1582.13
30.0	364.99	1130.50	1280.60	1411.32	1468.51	1527.98	1573.58
32.5	354.54	877.61	1245.64	1381.30	1438.30	1512.21	1561.61
35.0	345.04	747.27	1208.21	1333.42	1409.42	1494.35	1548.50
37.5	336.49	703.00	1163.56	1282.69	1377.50	1475.73	1542.42
40.0	326.61	671.46	1123.66	1238.23	1339.69	1450.65	1521.14
42.5	316.35	636.69	1078.63	1196.81	1305.30	1425.19	1511.26
45.0	306.85	598.69	1002.06	1151.21	1265.97	1397.64	1489.79
47.5	295.83	562.78	828.40	1102.95	1223.60	1373.51	1461.29
50.0	282.34	522.12	668.42	1048.42	1179.14	1336.84	1428.99
52.5	267.71	480.89	593.94	996.36	1134.11	1287.63	1390.61
55.0	250.61	426.36	546.25	934.99	1078.06	1241.46	1344.25
57.5	231.99	277.97	500.46	858.80	1025.62	1184.27	1296.18
60.0	211.85	204.82	454.10	773.30	961.97	1120.24	1236.14
62.5	189.05	184.68	404.70	697.11	894.14	1057.35	661.01
65.0	165.68	163.59	357.58	619.78	821.37	556.32	136.42
67.5	142.69	141.55	313.31	546.44	739.86	121.22	121.41
70.0	118.75	120.27	268.85	462.65	429.78	100.51	106.97
72.5	97.47	100.13	222.30	386.84	308.75	85.69	89.68
75.0	78.85	78.47	175.18	307.99	75.05	67.83	69.16
77.5	62.32	57.95	131.48	233.32	52.44	48.83	49.78
80.0	46.36	40.28	89.87	84.74	36.48	34.96	40.28

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CANDELA TABULATION - (Cont.)

82.5	29.64	28.12	51.49	50.35	23.37	27.93	31.54
85.0	16.91	13.49	12.73	19.57	15.39	15.01	16.15
87.5	6.46	5.70	5.51	5.89	5.51	3.99	4.37
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	522.40	N.A.	15.00
0-30	1046.41	N.A.	30.00
0-40	1665.45	N.A.	47.80
0-60	2942.53	N.A.	84.40
0-80	3463.77	N.A.	99.40
0-90	3486.03	N.A.	100.00
10-90	3344.29	N.A.	95.90
20-40	1143.05	N.A.	32.80
20-50	1808.48	N.A.	51.90
40-70	1662.33	N.A.	47.70
60-80	521.24	N.A.	15.00
70-80	135.99	N.A.	3.90
80-90	22.26	N.A.	0.60
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	3486.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	141.74
10-20	380.66
20-30	524.01
30-40	619.04
40-50	665.44
50-60	611.64
60-70	385.25
70-80	135.99
80-90	22.26
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

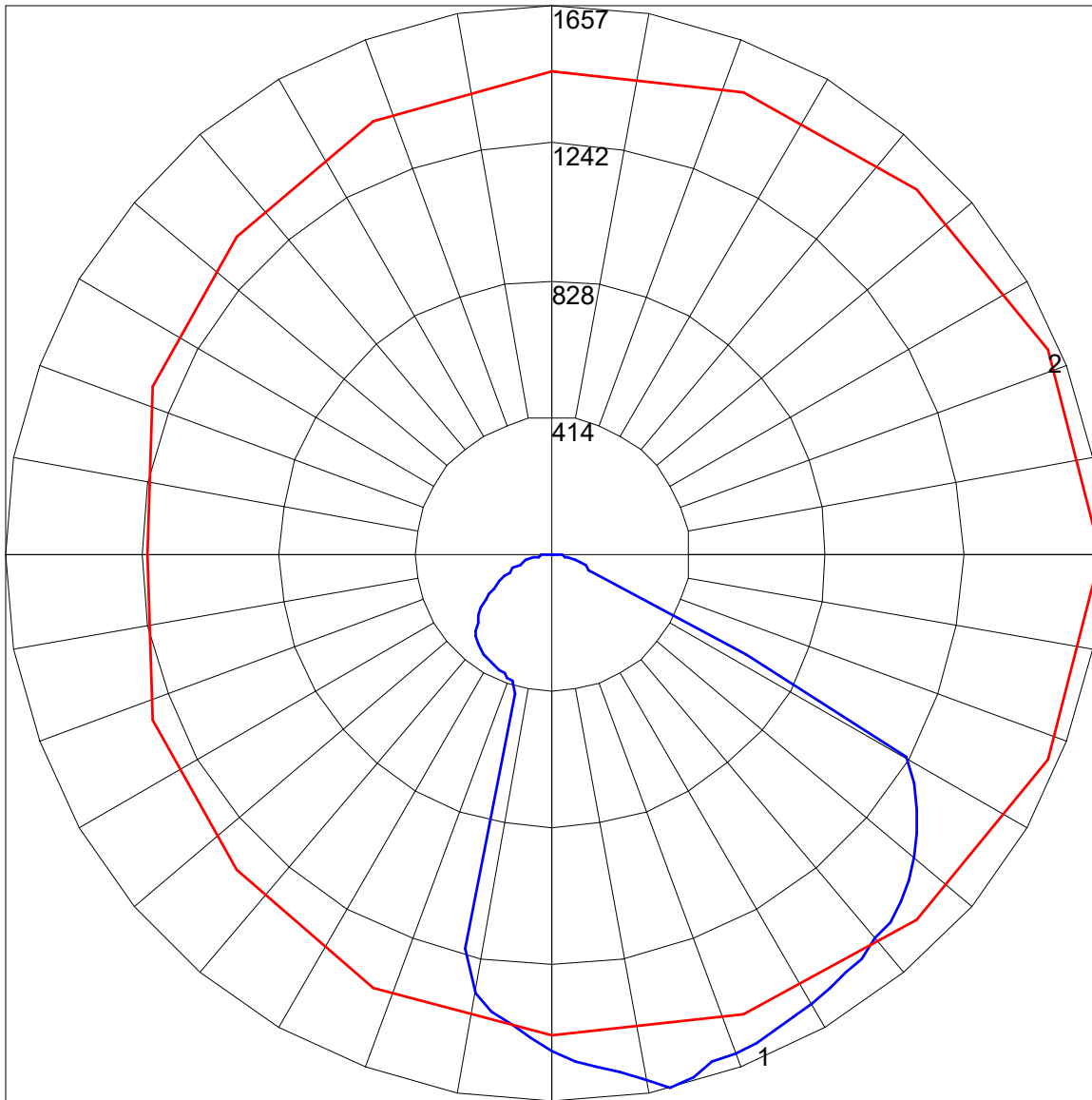
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	53	45	39	65	53	45	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	40	34	46	39	34	44	38	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	29	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 1656.61 Located At Horizontal Angle = 0, Vertical Angle = 12.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)