



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P23-FLSH-LED35-SO-SAL-D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 11476049.06
 [TESTLAB]
 [ISSUE DATE]
 [MANUFAC] Prudential Lighting Corp
 [LUMCAT] P23-FLSH-LED35-SO-SAL-D1
 [LUMINAIRE] Rectangular formed grey aluminum housing with internal white aluminum reflectors and a frosted plastic lens
 [MORE] te aluminum reflectors and a frosted plastic lens
 [LAMP] 120 White LEDs
 [BALLAST] One (1) OSRAM Optotronic
 [OTHER]
 [OTHER] This test was performed using the calibrated photodetector method of absolute photometry.
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3204
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	33.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.02
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.18
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.23 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	10271	11745	13631
55	8699	10064	12072
65	7403	8589	10384
75	6164	7076	8446
85	4688	5267	5967

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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>
0.0	1512.0	1512.0	1512.0	1512.0	1512.0
0.5	1524.0	1511.0	1512.0	1510.0	1503.0
1.0	1524.0	1510.0	1511.0	1510.0	1503.0
1.5	1524.0	1509.0	1510.0	1510.0	1503.0
2.0	1522.0	1508.0	1509.0	1509.0	1502.0
2.5	1520.0	1506.0	1508.0	1507.0	1501.0
3.0	1518.0	1505.0	1507.0	1506.0	1499.0
3.5	1515.0	1503.0	1504.0	1505.0	1498.0
4.0	1513.0	1500.0	1502.0	1503.0	1497.0
4.5	1510.0	1498.0	1499.0	1502.0	1494.0
5.0	1506.0	1493.0	1497.0	1499.0	1492.0
5.5	1502.0	1491.0	1493.0	1495.0	1490.0
6.0	1499.0	1486.0	1490.0	1493.0	1489.0
6.5	1494.0	1481.0	1487.0	1492.0	1490.0
7.0	1490.0	1477.0	1483.0	1491.0	1489.0
7.5	1484.0	1473.0	1479.0	1490.0	1486.0
8.0	1478.0	1466.0	1475.0	1487.0	1482.0
8.5	1471.0	1461.0	1471.0	1483.0	1477.0
9.0	1466.0	1455.0	1469.0	1476.0	1470.0
9.5	1459.0	1448.0	1465.0	1471.0	1466.0
10.0	1453.0	1442.0	1460.0	1464.0	1462.0
10.5	1445.0	1435.0	1454.0	1460.0	1457.0
11.0	1438.0	1428.0	1447.0	1455.0	1453.0
11.5	1430.0	1422.0	1439.0	1451.0	1450.0
12.0	1422.0	1414.0	1432.0	1446.0	1445.0
12.5	1412.0	1406.0	1424.0	1440.0	1439.0
13.0	1403.0	1398.0	1416.0	1434.0	1435.0
13.5	1395.0	1389.0	1409.0	1428.0	1430.0
14.0	1386.0	1382.0	1402.0	1422.0	1424.0
14.5	1375.0	1373.0	1394.0	1416.0	1420.0
15.0	1365.0	1365.0	1386.0	1411.0	1416.0
15.5	1356.0	1356.0	1378.0	1404.0	1412.0
16.0	1346.0	1347.0	1370.0	1399.0	1407.0
16.5	1335.0	1337.0	1362.0	1394.0	1400.0
17.0	1324.0	1328.0	1352.0	1389.0	1391.0
17.5	1313.0	1317.0	1343.0	1380.0	1382.0
18.0	1301.0	1307.0	1335.0	1371.0	1375.0
18.5	1289.0	1296.0	1325.0	1361.0	1368.0
19.0	1277.0	1285.0	1316.0	1352.0	1361.0
19.5	1265.0	1274.0	1306.0	1343.0	1353.0
20.0	1253.0	1261.0	1297.0	1336.0	1346.0
20.5	1241.0	1247.0	1289.0	1327.0	1338.0
21.0	1229.0	1235.0	1280.0	1318.0	1330.0
21.5	1217.0	1223.0	1271.0	1310.0	1321.0
22.0	1205.0	1212.0	1260.0	1301.0	1314.0
22.5	1192.0	1198.0	1249.0	1292.0	1307.0
23.0	1179.0	1186.0	1235.0	1283.0	1302.0
23.5	1165.0	1174.0	1223.0	1273.0	1295.0
24.0	1151.0	1161.0	1212.0	1266.0	1286.0
24.5	1136.0	1148.0	1200.0	1259.0	1275.0
25.0	1124.0	1136.0	1187.0	1251.0	1262.0
25.5	1109.0	1123.0	1176.0	1242.0	1252.0
26.0	1098.0	1109.0	1164.0	1230.0	1243.0
26.5	1083.0	1098.0	1152.0	1217.0	1234.0

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CANDELA TABULATION - (Cont.)

27.0	1069.0	1086.0	1140.0	1206.0	1223.0
27.5	1056.0	1072.0	1129.0	1194.0	1213.0
28.0	1045.0	1059.0	1117.0	1183.0	1203.0
28.5	1033.0	1046.0	1105.0	1173.0	1193.0
29.0	1020.0	1035.0	1093.0	1162.0	1183.0
29.5	1007.0	1023.0	1082.0	1151.0	1174.0
30.0	993.1	1010.0	1071.0	1140.0	1167.0
30.5	979.5	996.9	1061.0	1130.0	1159.0
31.0	966.3	983.8	1050.0	1119.0	1150.0
31.5	952.8	970.6	1040.0	1108.0	1136.0
32.0	939.3	957.7	1028.0	1099.0	1121.0
32.5	926.1	944.4	1015.0	1090.0	1109.0
33.0	912.7	931.4	1003.0	1079.0	1098.0
33.5	899.6	918.5	989.0	1065.0	1086.0
34.0	886.2	905.6	975.6	1053.0	1077.0
34.5	873.2	892.6	962.5	1041.0	1067.0
35.0	860.0	879.7	949.8	1029.0	1055.0
35.5	846.8	867.2	937.3	1018.0	1044.0
36.0	834.0	854.5	925.0	1006.0	1038.0
36.5	821.0	842.0	912.6	993.8	1031.0
37.0	808.4	829.6	900.1	982.0	1019.0
37.5	795.4	817.1	887.8	970.2	1005.0
38.0	782.7	804.7	875.5	960.0	990.5
38.5	770.3	792.3	863.1	951.6	977.2
39.0	757.9	780.1	850.8	941.4	964.9
39.5	745.5	768.0	838.4	928.5	952.9
40.0	733.3	756.0	826.3	914.1	941.1
40.5	721.2	744.0	814.2	899.6	929.3
41.0	709.1	732.2	802.1	886.5	917.7
41.5	697.5	720.4	790.0	874.3	909.2
42.0	685.7	708.7	777.9	862.3	900.3
42.5	674.1	697.1	766.0	850.4	887.2
43.0	662.6	685.7	754.3	838.5	873.4
43.5	651.4	674.3	742.5	828.1	858.5
44.0	640.4	663.0	730.7	819.2	845.6
44.5	629.3	651.8	719.0	808.9	833.2
45.0	618.6	640.7	707.4	796.2	821.0
45.5	608.0	629.7	696.0	781.9	809.4
46.0	597.4	618.8	684.5	767.8	799.9
46.5	586.9	608.1	673.0	755.2	791.1
47.0	576.2	597.3	661.9	743.4	778.8
47.5	566.3	586.7	650.5	731.6	765.6
48.0	556.2	576.3	639.5	720.1	751.0
48.5	546.2	565.8	628.4	709.3	737.7
49.0	536.3	555.7	617.3	698.3	726.0
49.5	526.5	545.5	606.5	687.2	714.5
50.0	517.0	535.4	595.5	675.2	705.1
50.5	507.4	525.5	584.7	662.3	695.2
51.0	497.7	515.7	574.0	650.4	683.8
51.5	488.5	506.1	563.4	639.1	670.9
52.0	479.4	496.6	553.0	627.8	656.6
52.5	470.1	487.0	542.6	616.5	644.6
53.0	460.8	477.7	532.1	605.4	633.3
53.5	451.8	468.5	521.9	594.1	624.0
54.0	442.8	459.1	511.7	583.2	613.6
54.5	434.0	450.1	501.7	572.1	603.1

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CANDELA TABULATION - (Cont.)

55.0	425.0	441.0	491.7	561.2	589.8
55.5	416.1	432.2	481.7	550.3	576.6
56.0	407.5	423.2	471.9	539.4	566.3
56.5	399.0	414.4	462.2	528.7	556.1
57.0	390.4	405.8	452.5	517.9	545.3
57.5	381.9	397.4	442.9	507.2	536.1
58.0	373.6	388.6	433.5	496.7	522.3
58.5	365.3	380.2	424.0	486.4	510.8
59.0	357.0	371.9	414.8	475.8	501.0
59.5	349.2	363.5	405.5	465.5	489.8
60.0	341.3	355.4	396.4	455.2	480.8
60.5	333.3	347.3	387.2	444.8	468.2
61.0	325.6	339.3	378.3	434.6	457.8
61.5	317.9	331.3	369.4	424.6	446.2
62.0	310.4	323.3	360.7	414.4	437.5
62.5	302.7	315.4	351.8	404.4	426.2
63.0	295.5	307.7	343.1	394.3	415.4
63.5	288.1	299.9	334.5	384.3	404.3
64.0	280.8	292.3	326.1	374.6	396.4
64.5	273.6	284.7	317.5	364.8	385.1
65.0	266.5	277.2	309.2	354.9	373.8
65.5	259.5	269.8	300.8	345.4	364.1
66.0	252.4	262.4	292.5	335.7	355.7
66.5	245.4	255.1	284.5	326.2	343.7
67.0	238.7	247.9	276.4	316.7	334.1
67.5	231.7	240.7	268.3	307.4	325.7
68.0	225.0	233.6	260.3	298.0	314.2
68.5	218.0	226.6	252.5	288.8	305.5
69.0	211.5	219.7	244.6	279.5	295.4
69.5	204.9	212.6	236.9	270.6	285.7
70.0	198.2	205.9	229.2	261.5	276.9
70.5	191.7	199.2	221.5	252.7	266.7
71.0	185.3	192.5	213.9	243.7	257.9
71.5	178.8	185.8	206.4	235.0	248.3
72.0	172.6	179.3	199.0	226.6	239.8
72.5	166.3	172.8	191.6	218.0	230.2
73.0	160.1	166.4	184.4	209.4	221.4
73.5	154.0	160.0	177.1	201.0	212.5
74.0	147.9	153.7	170.0	192.7	203.5
74.5	141.8	147.7	163.0	184.5	195.2
75.0	135.9	141.5	156.0	176.4	186.2
75.5	130.1	135.5	149.2	168.4	177.7
76.0	124.2	129.5	142.4	160.5	169.3
76.5	118.8	123.6	135.8	152.8	161.1
77.0	113.1	117.9	129.2	145.2	153.0
77.5	107.6	112.1	122.7	137.6	144.8
78.0	102.1	106.5	116.4	130.2	137.0
78.5	96.8	100.9	110.0	123.0	129.2
79.0	91.5	95.4	103.9	115.8	121.6
79.5	86.3	90.1	97.9	108.8	114.3
80.0	81.0	84.7	91.9	102.0	107.1
80.5	75.8	79.4	86.1	95.3	99.8
81.0	70.7	74.2	80.4	88.7	93.1
81.5	65.8	69.1	74.9	82.3	86.3
82.0	61.1	64.0	69.5	76.1	79.7
82.5	56.5	59.1	64.1	70.1	73.3

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CANDELA TABULATION - (Cont.)

83.0	51.9	54.2	58.9	64.2	67.1
83.5	47.5	49.6	53.7	58.5	61.1
84.0	43.3	45.2	48.7	53.1	55.2
84.5	39.0	40.8	43.8	47.8	49.6
85.0	34.8	36.5	39.1	42.8	44.3
85.5	30.8	32.4	34.5	37.8	39.2
86.0	26.8	28.3	30.1	32.8	34.2
86.5	23.0	24.4	25.8	28.1	29.5
87.0	19.2	20.4	21.7	23.6	25.0
87.5	15.6	16.6	17.7	19.2	20.5
88.0	12.2	13.3	13.8	14.9	16.2
88.5	8.8	10.3	10.5	10.9	12.0
89.0	5.7	7.5	7.5	7.6	8.0
89.5	3.3	5.2	4.9	4.8	5.0
90.0	1.7	3.5	3.1	2.8	3.0
90.5	0.0	0.0	0.0	0.0	0.0
91.0	0.0	0.0	0.0	0.0	0.0
91.5	0.0	0.0	0.0	0.0	0.0
92.0	0.0	0.0	0.0	0.0	0.0
92.5	0.0	0.0	0.0	0.0	0.0
93.0	0.0	0.0	0.0	0.0	0.0
93.5	0.0	0.0	0.0	0.0	0.0
94.0	0.0	0.0	0.0	0.0	0.0
94.5	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0	0.0	0.0
95.5	0.0	0.0	0.0	0.0	0.0
96.0	0.0	0.0	0.0	0.0	0.0
96.5	0.0	0.0	0.0	0.0	0.0
97.0	0.0	0.0	0.0	0.0	0.0
97.5	0.0	0.0	0.0	0.0	0.0
98.0	0.0	0.0	0.0	0.0	0.0
98.5	0.0	0.0	0.0	0.0	0.0
99.0	0.0	0.0	0.0	0.0	0.0
99.5	0.0	0.0	0.0	0.0	0.0
100.0	0.0	0.0	0.0	0.0	0.0
100.5	0.0	0.0	0.0	0.0	0.0
101.0	0.0	0.0	0.0	0.0	0.0
101.5	0.0	0.0	0.0	0.0	0.0
102.0	0.0	0.0	0.0	0.0	0.0
102.5	0.0	0.0	0.0	0.0	0.0
103.0	0.0	0.0	0.0	0.0	0.0
103.5	0.0	0.0	0.0	0.0	0.0
104.0	0.0	0.0	0.0	0.0	0.0
104.5	0.0	0.0	0.0	0.0	0.0
105.0	0.0	0.0	0.0	0.0	0.0
105.5	0.0	0.0	0.0	0.0	0.0
106.0	0.0	0.0	0.0	0.0	0.0
106.5	0.0	0.0	0.0	0.0	0.0
107.0	0.0	0.0	0.0	0.0	0.0
107.5	0.0	0.0	0.0	0.0	0.0
108.0	0.0	0.0	0.0	0.0	0.0
108.5	0.0	0.0	0.0	0.0	0.0
109.0	0.0	0.0	0.0	0.0	0.0
109.5	0.0	0.0	0.0	0.0	0.0
110.0	0.0	0.0	0.0	0.0	0.0
110.5	0.0	0.0	0.0	0.0	0.0

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CANDELA TABULATION - (Cont.)

111.0	0.0	0.0	0.0	0.0	0.0
111.5	0.0	0.0	0.0	0.0	0.0
112.0	0.0	0.0	0.0	0.0	0.0
112.5	0.0	0.0	0.0	0.0	0.0
113.0	0.0	0.0	0.0	0.0	0.0
113.5	0.0	0.0	0.0	0.0	0.0
114.0	0.0	0.0	0.0	0.0	0.0
114.5	0.0	0.0	0.0	0.0	0.0
115.0	0.0	0.0	0.0	0.0	0.0
115.5	0.0	0.0	0.0	0.0	0.0
116.0	0.0	0.0	0.0	0.0	0.0
116.5	0.0	0.0	0.0	0.0	0.0
117.0	0.0	0.0	0.0	0.0	0.0
117.5	0.0	0.0	0.0	0.0	0.0
118.0	0.0	0.0	0.0	0.0	0.0
118.5	0.0	0.0	0.0	0.0	0.0
119.0	0.0	0.0	0.0	0.0	0.0
119.5	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0
120.5	0.0	0.0	0.0	0.0	0.0
121.0	0.0	0.0	0.0	0.0	0.0
121.5	0.0	0.0	0.0	0.0	0.0
122.0	0.0	0.0	0.0	0.0	0.0
122.5	0.0	0.0	0.0	0.0	0.0
123.0	0.0	0.0	0.0	0.0	0.0
123.5	0.0	0.0	0.0	0.0	0.0
124.0	0.0	0.0	0.0	0.0	0.0
124.5	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0
125.5	0.0	0.0	0.0	0.0	0.0
126.0	0.0	0.0	0.0	0.0	0.0
126.5	0.0	0.0	0.0	0.0	0.0
127.0	0.0	0.0	0.0	0.0	0.0
127.5	0.0	0.0	0.0	0.0	0.0
128.0	0.0	0.0	0.0	0.0	0.0
128.5	0.0	0.0	0.0	0.0	0.0
129.0	0.0	0.0	0.0	0.0	0.0
129.5	0.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0	0.0
130.5	0.0	0.0	0.0	0.0	0.0
131.0	0.0	0.0	0.0	0.0	0.0
131.5	0.0	0.0	0.0	0.0	0.0
132.0	0.0	0.0	0.0	0.0	0.0
132.5	0.0	0.0	0.0	0.0	0.0
133.0	0.0	0.0	0.0	0.0	0.0
133.5	0.0	0.0	0.0	0.0	0.0
134.0	0.0	0.0	0.0	0.0	0.0
134.5	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0
135.5	0.0	0.0	0.0	0.0	0.0
136.0	0.0	0.0	0.0	0.0	0.0
136.5	0.0	0.0	0.0	0.0	0.0
137.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0
138.0	0.0	0.0	0.0	0.0	0.0
138.5	0.0	0.0	0.0	0.0	0.0

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PHOTOMETRIC FILENAME : P23-FLSH-LED35-SO-SAL-D1.IES

CANDELA TABULATION - (Cont.)

139.0	0.0	0.0	0.0	0.0	0.0
139.5	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0
140.5	0.0	0.0	0.0	0.0	0.0
141.0	0.0	0.0	0.0	0.0	0.0
141.5	0.0	0.0	0.0	0.0	0.0
142.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0
143.0	0.0	0.0	0.0	0.0	0.0
143.5	0.0	0.0	0.0	0.0	0.0
144.0	0.0	0.0	0.0	0.0	0.0
144.5	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0
145.5	0.0	0.0	0.0	0.0	0.0
146.0	0.0	0.0	0.0	0.0	0.0
146.5	0.0	0.0	0.0	0.0	0.0
147.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0
148.0	0.0	0.0	0.0	0.0	0.0
148.5	0.0	0.0	0.0	0.0	0.0
149.0	0.0	0.0	0.0	0.0	0.0
149.5	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0
150.5	0.0	0.0	0.0	0.0	0.0
151.0	0.0	0.0	0.0	0.0	0.0
151.5	0.0	0.0	0.0	0.0	0.0
152.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0
153.0	0.0	0.0	0.0	0.0	0.0
153.5	0.0	0.0	0.0	0.0	0.0
154.0	0.0	0.0	0.0	0.0	0.0
154.5	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0
155.5	0.0	0.0	0.0	0.0	0.0
156.0	0.0	0.0	0.0	0.0	0.0
156.5	0.0	0.0	0.0	0.0	0.0
157.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0
158.0	0.0	0.0	0.0	0.0	0.0
158.5	0.0	0.0	0.0	0.0	0.0
159.0	0.0	0.0	0.0	0.0	0.0
159.5	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0
160.5	0.0	0.0	0.0	0.0	0.0
161.0	0.0	0.0	0.0	0.0	0.0
161.5	0.0	0.0	0.0	0.0	0.0
162.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0
163.0	0.0	0.0	0.0	0.0	0.0
163.5	0.0	0.0	0.0	0.0	0.0
164.0	0.0	0.0	0.0	0.0	0.0
164.5	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0
165.5	0.0	0.0	0.0	0.0	0.0
166.0	0.0	0.0	0.0	0.0	0.0
166.5	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P23-FLSH-LED35-SO-SAL-D1.IES

CANDELA TABULATION - (Cont.)

167.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0
168.0	0.0	0.0	0.0	0.0	0.0
168.5	0.0	0.0	0.0	0.0	0.0
169.0	0.0	0.0	0.0	0.0	0.0
169.5	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0
170.5	0.0	0.0	0.0	0.0	0.0
171.0	0.0	0.0	0.0	0.0	0.0
171.5	0.0	0.0	0.0	0.0	0.0
172.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0
173.0	0.0	0.0	0.0	0.0	0.0
173.5	0.0	0.0	0.0	0.0	0.0
174.0	0.0	0.0	0.0	0.0	0.0
174.5	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0
175.5	0.0	0.0	0.0	0.0	0.0
176.0	0.0	0.0	0.0	0.0	0.0
176.5	0.0	0.0	0.0	0.0	0.0
177.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0
178.0	0.0	0.0	0.0	0.0	0.0
178.5	0.0	0.0	0.0	0.0	0.0
179.0	0.0	0.0	0.0	0.0	0.0
179.5	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	531.72	N.A.	16.60
0-30	1079.12	N.A.	33.70
0-40	1675.9	N.A.	52.30
0-60	2676.36	N.A.	83.50
0-80	3158.5	N.A.	98.60
0-90	3204.22	N.A.	100.00
10-90	3062.57	N.A.	95.60
20-40	1144.18	N.A.	35.70
20-50	1696.47	N.A.	52.90
40-70	1313.6	N.A.	41.00
60-80	482.14	N.A.	15.00
70-80	169.00	N.A.	5.30
80-90	45.73	N.A.	1.40
90-110	0.08	N.A.	0.00
90-120	0.08	N.A.	0.00
90-130	0.08	N.A.	0.00
90-150	0.08	N.A.	0.00
90-180	0.08	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3204.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.66
10-20	390.06
20-30	547.40
30-40	596.78
40-50	552.29
50-60	448.17
60-70	313.14
70-80	169.00
80-90	45.73
90-100	0.08
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

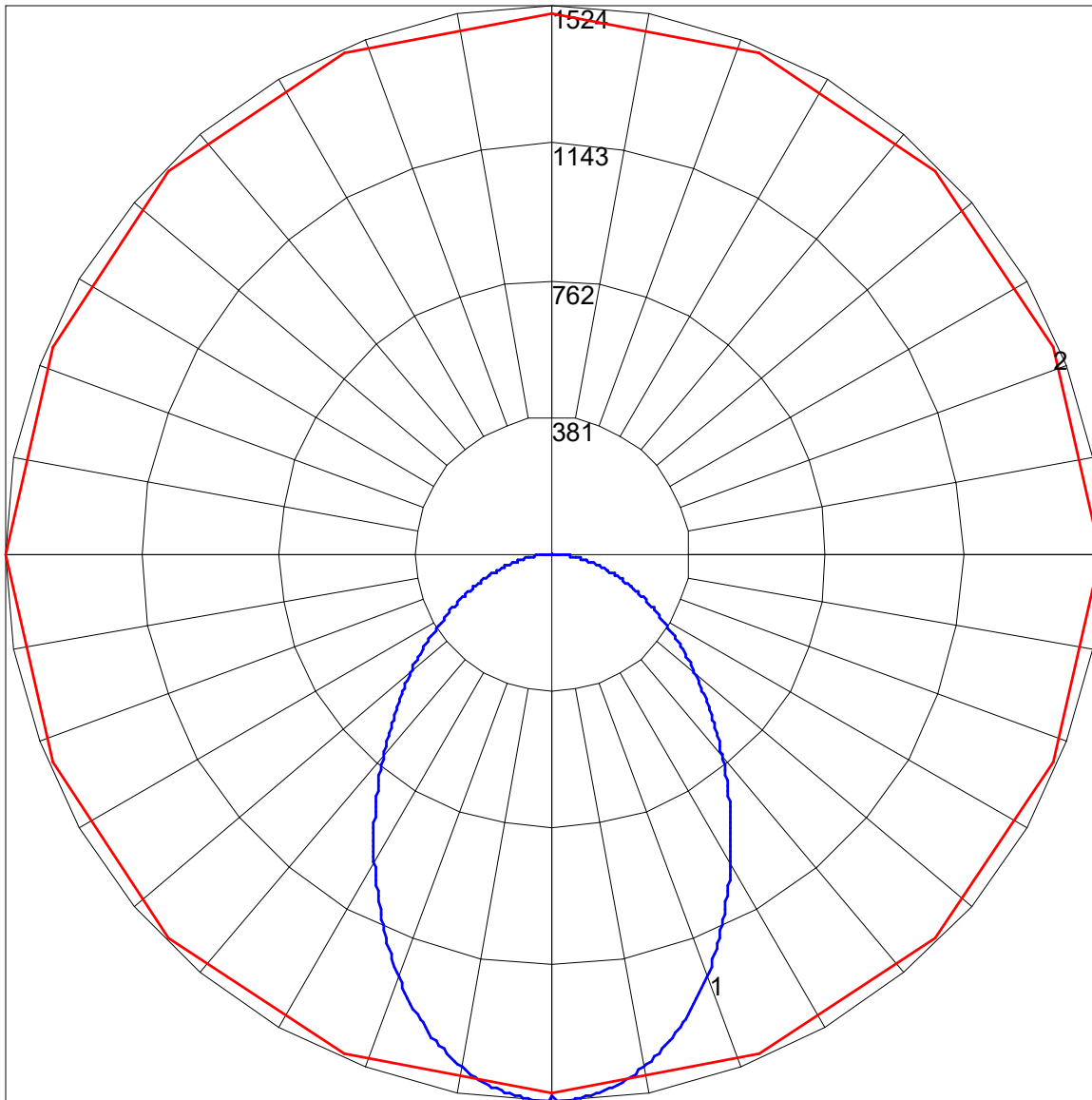
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	101	93	87	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42
7	68	55	47	41	66	54	46	41	53	46	40	51	45	40	50	44	40	38
8	63	50	42	37	62	50	42	37	48	41	36	47	41	36	46	40	36	34
9	59	47	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	36	30	55	43	35	30	42	35	30	41	35	30	40	34	30	28

POLAR GRAPH



Maximum Candela = 1524 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)