



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8614-LED35-HO-WA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] P8614-LED35-HO-WA  
 [TESTLAB] INTERTEK  
 [ISSUE DATE] 3/17/2020  
 [MANUFAC] PRUDENTIAL LIGHTING

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4287
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	45.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.77 ft
Luminous Width (90-270)	3.88 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5012	4980	5014
55	4828	4807	4850
65	4570	4556	4627
75	4220	4193	4322
85	3569	3495	3842

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P8614-LED35-HO-WA.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>	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9
<b>2.5</b>	1471.3	1471.2	1467.2	1466.4	1460.4	1466.5	1468.4	1472.6	1473.2	1472.6
<b>5.0</b>	1463.9	1464.3	1461.4	1461.5	1455.9	1462.1	1463.8	1467.4	1468.6	1467.4
<b>7.5</b>	1453.5	1455.2	1453.0	1453.8	1448.4	1454.2	1455.0	1458.5	1460.9	1458.5
<b>10.0</b>	1441.6	1443.7	1441.4	1442.6	1437.6	1442.6	1443.3	1446.6	1449.4	1446.6
<b>12.5</b>	1428.3	1429.3	1427.4	1427.7	1423.1	1427.7	1429.1	1432.8	1435.2	1432.8
<b>15.0</b>	1412.1	1411.9	1409.8	1410.4	1405.1	1410.1	1412.1	1416.5	1417.5	1416.5
<b>17.5</b>	1392.2	1391.1	1388.7	1389.4	1384.5	1390.0	1392.7	1396.8	1397.0	1396.8
<b>20.0</b>	1368.2	1366.8	1363.6	1365.7	1360.9	1367.0	1370.0	1374.0	1374.4	1374.0
<b>22.5</b>	1340.6	1338.8	1336.4	1339.2	1335.0	1341.5	1344.0	1348.2	1348.2	1348.2
<b>25.0</b>	1310.1	1307.6	1305.9	1309.6	1306.3	1312.2	1314.9	1318.6	1318.2	1318.6
<b>27.5</b>	1275.5	1274.3	1273.2	1277.6	1275.2	1280.5	1282.3	1285.8	1285.7	1285.8
<b>30.0</b>	1240.0	1238.6	1237.8	1242.7	1241.1	1245.9	1247.6	1250.2	1250.4	1250.2
<b>32.5</b>	1204.1	1200.9	1200.6	1205.3	1204.1	1208.8	1210.1	1212.8	1212.5	1212.8
<b>35.0</b>	1165.2	1161.7	1160.8	1165.6	1164.5	1169.4	1170.6	1173.3	1171.8	1173.3
<b>37.5</b>	1124.2	1119.6	1118.5	1123.5	1122.6	1128.2	1129.2	1131.8	1128.8	1131.8
<b>40.0</b>	1080.0	1074.2	1073.7	1079.0	1078.9	1084.3	1086.5	1088.1	1084.7	1088.1
<b>42.5</b>	1033.1	1026.6	1027.1	1032.0	1032.9	1038.2	1040.9	1042.2	1037.5	1042.2
<b>45.0</b>	984.3	977.9	978.1	983.5	984.8	990.1	992.3	993.8	988.9	993.8
<b>47.5</b>	933.4	927.1	926.7	933.1	934.3	940.1	941.5	942.9	938.1	942.9
<b>50.0</b>	880.4	874.0	874.5	880.1	882.1	887.0	889.3	890.5	885.7	890.5
<b>52.5</b>	825.5	819.7	820.9	825.8	828.3	832.5	835.1	836.7	831.9	836.7
<b>55.0</b>	769.2	764.3	765.8	770.5	772.7	776.5	779.0	781.7	777.1	781.7
<b>57.5</b>	712.3	707.2	708.9	714.6	716.4	719.9	722.5	724.9	720.7	724.9
<b>60.0</b>	654.1	649.3	651.8	656.8	659.6	661.9	665.2	666.9	663.3	666.9
<b>62.5</b>	595.3	590.9	593.9	598.1	601.8	603.4	607.0	608.8	605.5	608.8
<b>65.0</b>	536.4	531.7	534.8	539.1	543.1	545.0	548.1	550.5	546.9	550.5
<b>67.5</b>	477.4	472.7	475.4	480.5	484.7	486.9	489.4	491.6	487.5	491.6
<b>70.0</b>	418.6	413.9	417.1	421.6	426.9	428.8	431.0	432.9	428.2	432.9
<b>72.5</b>	360.7	355.3	359.2	363.4	368.8	370.5	373.1	374.8	370.3	374.8
<b>75.0</b>	303.4	297.6	301.4	306.0	310.7	312.6	315.4	316.7	312.9	316.7
<b>77.5</b>	246.2	240.9	244.3	249.2	254.2	256.1	258.3	259.2	255.5	259.2
<b>80.0</b>	190.4	185.6	189.1	193.4	199.1	200.8	202.4	203.2	199.3	203.2
<b>82.5</b>	137.2	132.0	135.9	139.4	144.8	146.8	148.6	149.3	145.2	149.3
<b>85.0</b>	86.4	81.4	84.6	87.9	93.0	95.2	97.2	98.0	94.1	98.0
<b>87.5</b>	38.0	34.1	36.3	39.9	44.5	46.8	48.6	49.4	45.9	49.4
<b>90.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>92.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>95.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>97.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>100.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>102.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>105.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>107.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>110.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>112.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>115.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>117.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>120.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>122.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>125.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>127.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>130.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>132.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA TABULATION - (Cont.)**

135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**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	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9	1469.9
2.5	1468.4	1466.5	1460.4	1466.4	1467.2	1471.2	1471.3
5.0	1463.8	1462.1	1455.9	1461.5	1461.4	1464.3	1463.9
7.5	1455.0	1454.2	1448.4	1453.8	1453.0	1455.2	1453.5
10.0	1443.3	1442.6	1437.6	1442.6	1441.4	1443.7	1441.6
12.5	1429.1	1427.7	1423.1	1427.7	1427.4	1429.3	1428.3
15.0	1412.1	1410.1	1405.1	1410.4	1409.8	1411.9	1412.1
17.5	1392.7	1390.0	1384.5	1389.4	1388.7	1391.1	1392.2
20.0	1370.0	1367.0	1360.9	1365.7	1363.6	1366.8	1368.2
22.5	1344.0	1341.5	1335.0	1339.2	1336.4	1338.8	1340.6
25.0	1314.9	1312.2	1306.3	1309.6	1305.9	1307.6	1310.1
27.5	1282.3	1280.5	1275.2	1277.6	1273.2	1274.3	1275.5
30.0	1247.6	1245.9	1241.1	1242.7	1237.8	1238.6	1240.0
32.5	1210.1	1208.8	1204.1	1205.3	1200.6	1200.9	1204.1
35.0	1170.6	1169.4	1164.5	1165.6	1160.8	1161.7	1165.2
37.5	1129.2	1128.2	1122.6	1123.5	1118.5	1119.6	1124.2
40.0	1086.5	1084.3	1078.9	1079.0	1073.7	1074.2	1080.0
42.5	1040.9	1038.2	1032.9	1032.0	1027.1	1026.6	1033.1
45.0	992.3	990.1	984.8	983.5	978.1	977.9	984.3
47.5	941.5	940.1	934.3	933.1	926.7	927.1	933.4
50.0	889.3	887.0	882.1	880.1	874.5	874.0	880.4
52.5	835.1	832.5	828.3	825.8	820.9	819.7	825.5
55.0	779.0	776.5	772.7	770.5	765.8	764.3	769.2
57.5	722.5	719.9	716.4	714.6	708.9	707.2	712.3
60.0	665.2	661.9	659.6	656.8	651.8	649.3	654.1
62.5	607.0	603.4	601.8	598.1	593.9	590.9	595.3
65.0	548.1	545.0	543.1	539.1	534.8	531.7	536.4
67.5	489.4	486.9	484.7	480.5	475.4	472.7	477.4
70.0	431.0	428.8	426.9	421.6	417.1	413.9	418.6
72.5	373.1	370.5	368.8	363.4	359.2	355.3	360.7
75.0	315.4	312.6	310.7	306.0	301.4	297.6	303.4
77.5	258.3	256.1	254.2	249.2	244.3	240.9	246.2
80.0	202.4	200.8	199.1	193.4	189.1	185.6	190.4

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**CANDELA TABULATION - (Cont.)**

<b>82.5</b>	148.6	146.8	144.8	139.4	135.9	132.0	137.2
<b>85.0</b>	97.2	95.2	93.0	87.9	84.6	81.4	86.4
<b>87.5</b>	48.6	46.8	44.5	39.9	36.3	34.1	38.0
<b>90.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>92.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>95.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>97.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>100.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>102.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>105.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>107.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>110.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>112.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>115.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>117.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>120.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>122.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>125.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>127.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>130.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>132.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>135.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>137.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>140.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>142.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>145.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>147.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>150.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>152.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>155.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>157.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>160.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>162.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>165.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>167.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>170.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>172.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>175.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>177.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>180.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	537.33	N.A.	12.50
0-30	1141.57	N.A.	26.60
0-40	1871.5	N.A.	43.70
0-60	3322.48	N.A.	77.50
0-80	4184.92	N.A.	97.60
0-90	4286.66	N.A.	100.00
10-90	4147.65	N.A.	96.80
20-40	1334.17	N.A.	31.10
20-50	2094.36	N.A.	48.90
40-70	1987.21	N.A.	46.40
60-80	862.45	N.A.	20.10
70-80	326.22	N.A.	7.60
80-90	101.73	N.A.	2.40
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	4286.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	139.00
10-20	398.32
20-30	604.25
30-40	729.92
40-50	760.19
50-60	690.79
60-70	536.23
70-80	326.22
80-90	101.73
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

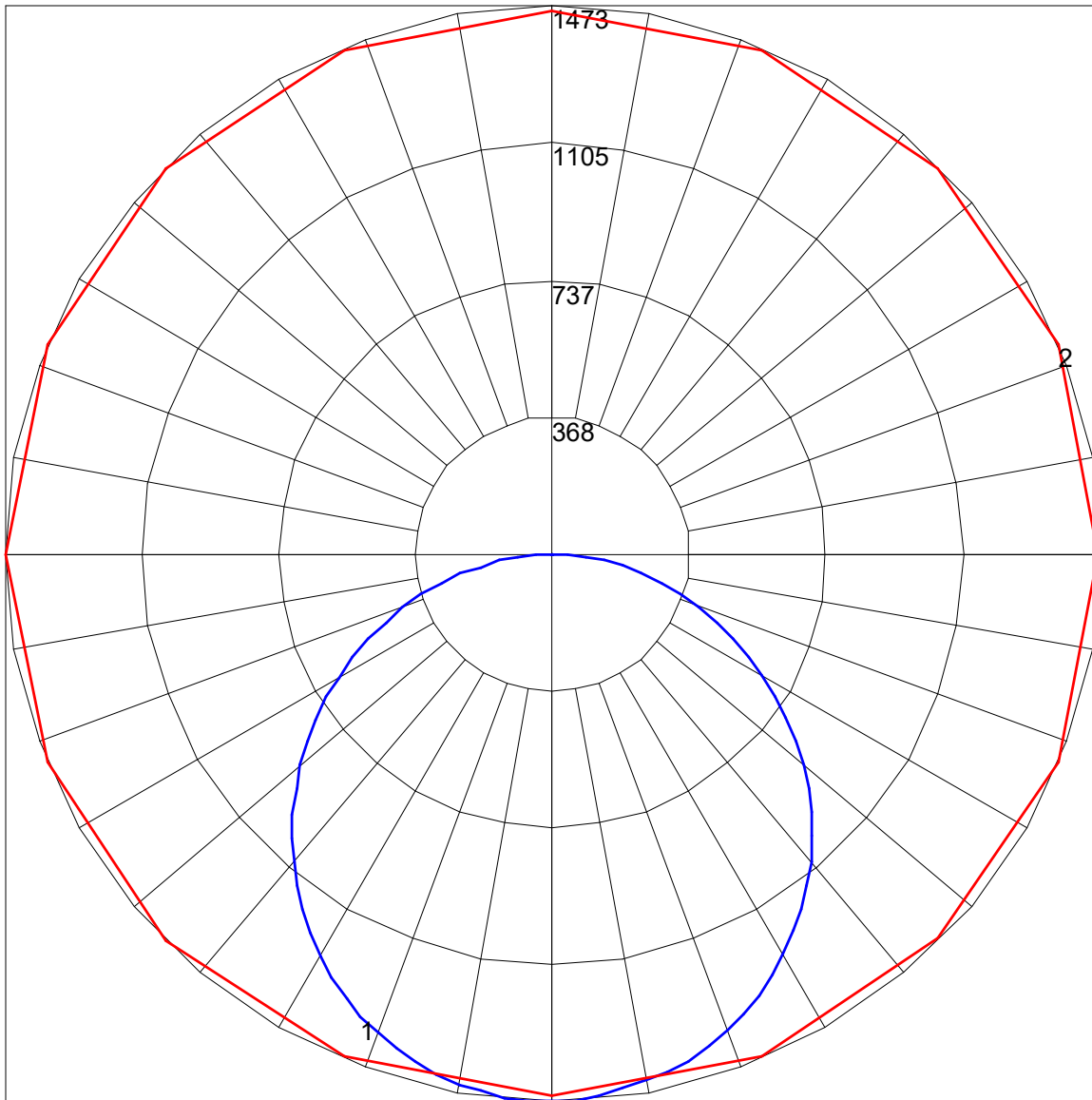
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 1473.2 Located At Horizontal Angle = 180, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)