

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RC132V W60L60 1 XLED36S_840 OC.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] LVE2562100
[TESTLAB]
[MANUFAC] PHILIPS
[LUMCAT]
[LUMINAIRE] RC132V W60L60 OC LED36S/840 NO
[LAMP] LED36S/840
[BALLAST] -
[ISSUEDATE] 2016-02-05
[OTHER] B-Angle = 0.00 B-Tilt = 0.00 2019-06-21

CHARACTERISTICS

Lumens Per Lamp	3600 (1 lamp)
Total Lamp Lumens	3600
Luminaire Lumens	3600
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	33
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.55 m
Luminous Width (90-270)	0.55 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4006	4117	4367
55	3202	3227	3380
65	2336	2362	2505
75	1503	1479	1545
85	917	904	862

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56
2.5	1527.84	1528.20	1528.56	1528.20	1528.92	1528.20	1528.20	1528.20	1527.84	1528.20
5.0	1526.04	1525.68	1524.96	1526.40	1526.04	1525.32	1525.32	1525.68	1525.32	1525.32
7.5	1518.84	1519.92	1519.92	1519.56	1519.92	1519.92	1519.92	1520.64	1520.64	1519.92
10.0	1510.56	1510.92	1510.92	1512.00	1512.00	1511.64	1512.00	1512.36	1512.72	1513.44
12.5	1499.40	1499.04	1499.76	1500.12	1500.84	1501.56	1502.28	1502.28	1502.28	1502.64
15.0	1484.64	1484.64	1485.36	1485.72	1486.44	1487.52	1487.52	1487.88	1488.24	1488.24
17.5	1466.28	1466.64	1467.00	1467.36	1467.72	1468.08	1468.44	1469.52	1469.88	1471.32
20.0	1443.24	1443.60	1443.60	1444.68	1445.76	1446.12	1446.12	1446.84	1447.20	1448.28
22.5	1414.80	1415.52	1416.24	1416.24	1417.32	1418.40	1418.40	1419.12	1419.84	1420.56
25.0	1380.24	1380.96	1381.32	1382.04	1382.04	1383.12	1383.84	1384.56	1385.28	1387.44
27.5	1339.56	1339.56	1339.92	1340.28	1340.64	1341.36	1342.44	1343.52	1344.96	1346.04
30.0	1290.60	1290.24	1290.24	1290.96	1290.96	1291.32	1293.12	1294.20	1295.28	1297.44
32.5	1231.92	1231.56	1232.28	1231.92	1232.64	1233.72	1234.44	1235.88	1236.96	1238.76
35.0	1165.32	1165.32	1164.96	1164.96	1165.68	1166.40	1167.84	1168.56	1170.36	1172.16
37.5	1090.44	1090.44	1090.08	1090.44	1090.80	1091.88	1092.60	1094.04	1095.12	1096.92
40.0	1008.72	1008.72	1008.72	1009.44	1009.80	1010.88	1011.24	1011.60	1013.04	1014.48
42.5	925.20	925.20	925.56	925.56	925.92	926.28	927.36	928.44	928.80	929.52
45.0	841.68	841.68	841.68	841.68	842.40	842.76	843.12	843.84	844.56	845.28
47.5	761.40	761.40	761.40	761.76	761.76	762.12	762.48	762.84	763.56	763.56
50.0	684.00	684.00	684.00	684.00	684.00	684.00	684.36	684.72	685.44	685.44
52.5	612.72	612.72	612.36	612.72	612.72	612.72	612.72	613.08	613.08	613.08
55.0	545.76	545.76	545.76	545.76	545.76	545.76	545.76	545.76	545.76	545.76
57.5	481.68	481.68	481.68	481.68	481.68	481.68	482.04	482.04	482.04	481.68
60.0	417.96	417.96	418.32	418.32	418.32	418.68	418.68	418.68	418.68	418.68
62.5	354.60	354.60	354.60	354.96	354.96	354.96	355.32	355.68	355.68	355.68
65.0	293.40	293.04	293.04	293.40	293.40	293.40	293.76	294.12	294.12	294.12
67.5	237.96	237.96	238.32	237.96	237.96	237.96	238.32	238.32	237.96	237.96
70.0	191.52	191.52	191.52	191.52	191.16	191.52	191.52	191.16	190.80	190.80
72.5	150.84	150.84	150.84	150.84	150.84	150.84	150.84	150.48	150.48	150.12
75.0	115.56	115.56	115.56	115.56	115.56	115.56	115.56	115.56	115.20	115.20
77.5	86.04	86.04	86.04	86.04	86.04	86.04	86.04	86.04	85.68	85.68
80.0	61.20	61.20	61.20	61.56	61.56	61.56	61.56	61.20	61.20	61.20
82.5	41.04	41.04	41.04	41.04	41.04	41.04	41.04	41.04	41.04	41.04
85.0	23.76	23.76	23.76	23.76	23.76	23.76	23.76	23.76	23.76	23.76
87.5	9.00	9.00	9.00	9.00	9.00	9.36	9.36	9.36	9.72	9.72
90.0	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72

**Vert.
Angles**

Horizontal Angles

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56
2.5	1528.20	1527.84	1527.84	1528.20	1528.20	1528.20	1528.20	1528.56	1528.20	1528.20
5.0	1525.68	1525.32	1525.68	1526.04	1525.68	1526.04	1526.40	1526.76	1526.40	1526.40
7.5	1520.28	1520.28	1520.64	1521.00	1521.36	1521.72	1522.08	1522.08	1522.80	1523.16
10.0	1513.44	1513.44	1513.80	1514.88	1515.24	1515.96	1515.96	1517.04	1517.40	1518.84
12.5	1503.00	1503.36	1504.44	1505.16	1505.88	1506.96	1508.40	1508.40	1509.48	1510.56
15.0	1489.32	1490.40	1491.12	1492.20	1494.00	1495.80	1496.88	1497.96	1499.40	1500.12
17.5	1472.04	1472.76	1474.92	1476.72	1478.16	1479.24	1480.68	1482.12	1484.28	1486.08
20.0	1449.36	1451.52	1454.04	1455.48	1457.64	1459.44	1460.88	1463.40	1465.20	1467.00
22.5	1422.72	1424.88	1427.40	1429.56	1431.72	1433.88	1436.04	1438.92	1441.44	1443.96
25.0	1389.24	1391.76	1393.92	1396.08	1398.60	1401.12	1403.64	1407.60	1410.84	1414.08
27.5	1348.56	1350.00	1352.88	1355.76	1358.64	1361.52	1365.48	1368.00	1371.96	1376.28
30.0	1299.24	1301.40	1303.56	1306.44	1310.04	1314.00	1317.60	1321.92	1325.52	1329.48
32.5	1240.56	1243.08	1245.96	1249.56	1252.80	1256.04	1260.00	1263.60	1268.64	1273.32
35.0	1173.96	1175.76	1178.28	1181.16	1184.76	1189.08	1193.04	1197.72	1202.04	1206.36
37.5	1098.72	1100.52	1103.04	1106.28	1109.16	1113.12	1117.08	1121.04	1126.08	1130.76
40.0	1016.28	1018.08	1020.24	1023.12	1026.00	1029.24	1032.84	1036.80	1041.48	1046.52

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CANDELA TABULATION - (Cont.)

42.5	930.96	932.76	934.92	937.44	939.60	942.84	946.44	949.68	953.28	957.96
45.0	846.36	847.44	848.88	850.68	852.84	855.72	858.60	861.12	865.08	868.68
47.5	764.28	765.72	766.80	767.52	769.32	771.48	773.64	776.16	779.04	782.28
50.0	685.44	686.16	686.88	687.60	689.04	690.48	692.64	694.44	696.60	699.48
52.5	613.44	613.44	613.80	614.16	614.88	615.96	617.04	618.84	620.64	622.80
55.0	545.76	545.76	545.76	546.12	546.48	546.84	547.56	548.64	550.08	551.88
57.5	481.68	481.32	481.32	481.32	481.32	481.68	482.04	483.12	484.20	485.64
60.0	418.68	418.68	418.32	418.32	418.32	418.68	418.68	419.40	420.48	421.56
62.5	355.68	355.68	355.68	355.68	355.68	356.04	356.40	356.76	357.84	359.28
65.0	293.76	293.76	294.12	294.12	294.48	294.48	295.20	295.92	296.64	297.72
67.5	237.60	237.60	237.60	237.60	237.60	237.96	238.32	239.04	239.76	240.84
70.0	190.44	190.44	190.08	190.08	189.72	189.72	189.72	190.08	190.80	191.88
72.5	149.76	149.40	149.40	149.04	148.68	148.68	148.32	148.68	149.04	149.40
75.0	114.84	114.84	114.48	114.12	113.76	113.76	113.40	113.76	113.76	114.12
77.5	85.68	85.32	85.32	84.96	84.96	84.60	84.60	84.60	84.60	84.60
80.0	61.20	61.20	60.84	60.84	60.48	60.48	60.48	60.48	60.48	60.48
82.5	41.04	41.04	40.68	40.68	40.68	40.68	40.32	40.32	40.32	39.96
85.0	23.76	23.76	23.76	23.76	23.76	23.76	23.40	23.40	23.40	23.04
87.5	9.72	9.72	9.72	9.72	9.72	9.36	9.36	9.36	9.36	9.00
90.0	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72

**Vert.
Angles**

Horizontal Angles

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56
2.5	1528.20	1528.20	1528.20	1528.20	1528.20	1528.20	1528.20	1527.48	1527.48	1527.48
5.0	1526.40	1526.40	1526.40	1526.76	1526.40	1526.40	1526.04	1526.04	1526.40	1526.40
7.5	1524.24	1523.88	1524.24	1525.32	1524.96	1525.32	1525.32	1525.32	1526.04	1526.04
10.0	1519.56	1519.56	1520.64	1521.00	1520.64	1520.64	1521.36	1521.36	1522.08	1522.80
12.5	1511.28	1512.72	1513.80	1514.16	1514.88	1515.96	1517.04	1517.76	1517.76	1518.48
15.0	1501.56	1503.00	1504.08	1505.16	1506.24	1507.68	1508.76	1510.20	1511.28	1512.36
17.5	1487.88	1490.04	1491.48	1493.64	1495.08	1496.52	1499.04	1500.48	1501.92	1503.00
20.0	1469.52	1472.04	1475.28	1478.16	1480.32	1482.12	1483.56	1486.08	1487.88	1489.68
22.5	1447.20	1450.08	1452.96	1456.56	1459.44	1462.32	1464.84	1467.72	1469.88	1471.68
25.0	1417.68	1421.28	1424.88	1428.48	1432.08	1435.68	1438.20	1441.44	1444.68	1446.84
27.5	1380.60	1385.28	1389.60	1393.56	1397.16	1400.76	1405.08	1408.32	1412.28	1415.52
30.0	1334.52	1339.20	1344.24	1348.92	1353.60	1358.64	1361.88	1366.20	1370.52	1374.12
32.5	1278.36	1283.76	1288.44	1293.84	1298.52	1303.56	1308.96	1312.92	1316.16	1320.48
35.0	1211.40	1216.80	1222.56	1228.32	1234.08	1238.76	1243.08	1248.12	1252.80	1256.40
37.5	1136.16	1141.20	1145.88	1151.64	1157.04	1162.80	1167.12	1171.80	1176.12	1179.72
40.0	1050.84	1055.88	1060.56	1065.96	1071.36	1076.40	1081.80	1085.40	1089.36	1092.96
42.5	962.28	967.32	972.00	977.04	981.00	986.04	990.36	994.32	997.92	1001.52
45.0	872.28	877.32	881.28	885.96	889.92	893.88	898.20	901.44	904.68	907.92
47.5	786.24	790.20	793.44	797.76	801.00	804.24	808.20	811.08	813.60	815.76
50.0	702.00	705.60	708.84	711.72	714.96	718.56	721.08	723.60	725.40	727.20
52.5	625.32	628.20	631.08	633.96	636.48	639.00	640.80	642.96	644.76	646.20
55.0	554.04	556.56	559.08	561.24	563.40	565.56	567.36	568.80	570.24	570.96
57.5	487.44	489.60	491.40	493.56	495.36	497.16	498.60	499.68	500.40	501.48
60.0	423.36	425.16	426.96	428.76	430.56	432.00	433.08	434.16	434.88	435.24
62.5	360.72	362.16	363.96	365.76	367.20	368.64	370.08	370.80	371.52	371.88
65.0	299.16	300.96	302.76	304.56	306.00	307.08	308.16	308.88	309.60	310.32
67.5	242.28	243.72	245.16	246.60	248.04	249.12	250.20	250.92	251.64	252.36
70.0	192.60	193.68	195.12	196.20	197.28	198.36	199.08	199.80	200.16	200.88
72.5	150.12	150.84	151.92	152.64	153.36	154.08	154.44	155.16	155.52	155.52
75.0	114.48	114.84	115.56	115.92	116.28	116.64	117.00	117.36	117.36	117.72
77.5	84.96	84.96	85.32	85.68	85.68	85.68	86.04	86.04	86.04	86.04
80.0	60.48	60.48	60.48	60.48	60.48	60.48	60.48	60.48	60.48	60.48
82.5	39.96	39.96	39.96	39.96	39.96	39.60	39.60	39.60	39.60	39.60
85.0	23.04	23.04	23.04	22.68	22.68	22.68	22.68	22.68	22.32	22.32
87.5	9.00	9.00	9.00	8.64	8.64	8.64	8.64	8.64	9.00	9.00

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CANDELA TABULATION - (Cont.)

90.0 0.72 0.72 0.36 0.36 0.36 0.36 0.36 0.36 0.36

Vert. Horizontal Angles
Angles

	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>
0.0	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56	1528.56
2.5	1527.12	1527.48	1526.76	1527.48	1527.84	1527.48	1526.76
5.0	1526.76	1526.76	1527.48	1526.76	1526.76	1527.48	1528.20
7.5	1525.68	1525.68	1525.68	1525.68	1525.68	1525.68	1524.96
10.0	1523.16	1524.24	1524.24	1524.60	1524.24	1524.24	1524.60
12.5	1518.48	1519.56	1520.64	1520.64	1520.64	1520.64	1521.00
15.0	1513.08	1513.44	1513.80	1514.16	1514.52	1514.88	1514.52
17.5	1503.72	1504.08	1505.16	1505.88	1506.60	1507.32	1507.32
20.0	1490.40	1491.84	1493.28	1494.00	1495.08	1495.80	1496.52
22.5	1473.48	1474.92	1477.08	1477.80	1478.88	1479.60	1479.60
25.0	1449.72	1451.88	1453.68	1455.12	1455.48	1456.20	1456.92
27.5	1417.68	1420.20	1422.00	1423.80	1425.24	1425.96	1426.32
30.0	1376.64	1378.80	1381.32	1383.12	1384.92	1386.36	1387.44
32.5	1324.08	1326.96	1329.84	1332.00	1333.08	1333.80	1333.44
35.0	1260.00	1262.16	1265.40	1267.20	1269.00	1270.44	1270.80
37.5	1183.32	1186.56	1189.80	1190.88	1192.32	1193.40	1193.40
40.0	1096.56	1099.80	1101.96	1104.12	1105.20	1105.20	1105.20
42.5	1004.76	1007.28	1009.80	1010.88	1011.96	1012.32	1011.96
45.0	910.08	912.24	913.68	915.48	916.56	917.28	917.64
47.5	817.92	820.08	821.88	822.60	823.68	824.40	823.68
50.0	728.64	730.44	731.52	733.32	734.04	734.04	734.76
52.5	647.28	648.36	649.44	650.16	651.24	651.60	652.32
55.0	572.04	572.76	573.48	574.56	575.28	575.64	576.00
57.5	502.20	502.92	503.64	504.36	505.08	505.08	505.44
60.0	435.96	436.68	437.40	437.76	438.48	438.84	439.20
62.5	372.24	372.96	373.68	374.40	375.12	375.48	375.84
65.0	311.04	311.76	312.48	313.20	313.92	314.28	314.64
67.5	252.72	253.44	254.16	255.24	255.96	256.32	256.68
70.0	201.24	201.60	202.32	203.04	203.76	204.48	204.84
72.5	155.88	156.60	156.96	157.32	157.68	158.04	158.04
75.0	117.72	118.08	118.08	118.44	118.44	118.80	118.80
77.5	86.04	86.04	86.40	86.40	86.40	86.40	86.40
80.0	60.48	60.48	60.48	60.48	60.48	60.48	60.48
82.5	39.24	39.24	39.24	39.24	39.24	39.24	39.24
85.0	22.32	22.68	22.68	22.68	22.68	22.68	22.32
87.5	9.00	9.00	9.00	9.00	9.00	9.00	9.00
90.0	0.36	0.36	0.36	0.36	0.36	0.36	0.36

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RC132V W60L60 1 XLED36S_840 OC.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	569.03	15.80	15.80
0-30	1219.44	33.90	33.90
0-40	1971.46	54.80	54.80
0-60	3144.57	87.30	87.30
0-80	3571.95	99.20	99.20
0-90	3600.04	100.00	100.00
10-90	3454.62	96.00	96.00
20-40	1402.43	39.00	39.00
20-50	2075.99	57.70	57.70
40-70	1473.69	40.90	40.90
60-80	427.38	11.90	11.90
70-80	126.80	3.50	3.50
80-90	28.09	0.80	0.80
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	3600.04	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	145.41
10-20	423.62
20-30	650.41
30-40	752.02
40-50	673.56
50-60	499.55
60-70	300.58
70-80	126.80
80-90	28.09
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

IES INDOOR REPORT

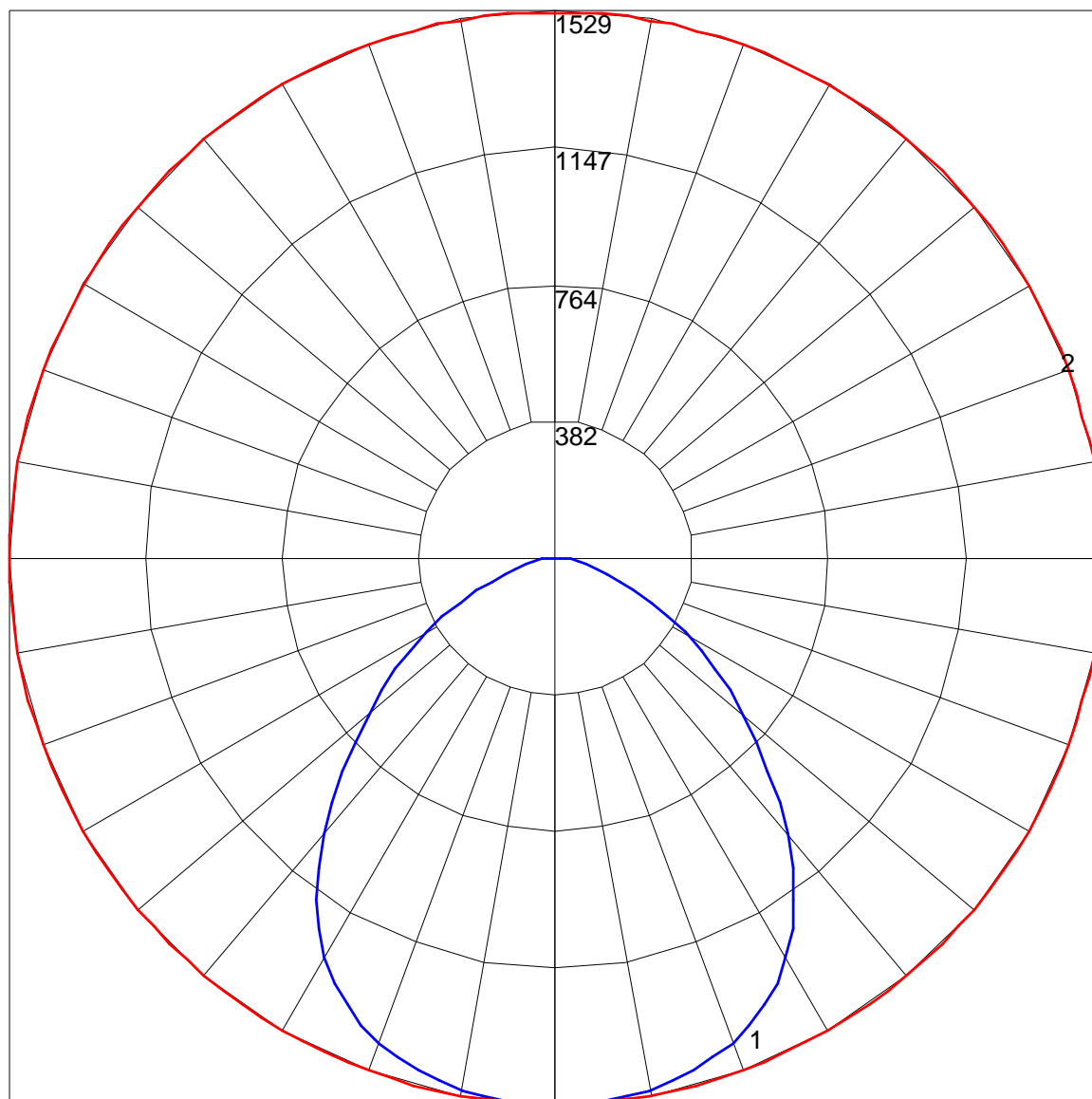
PHOTOMETRIC FILENAME : RC132V W60L60 1 XLED36S_840 OC.IES

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	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	80	77	75
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44
7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	45	39	34	44	38	34	43	38	34	32
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	31	29

POLAR GRAPH



Maximum Candela = 1528.92 Located At Horizontal Angle = 10, Vertical Angle = 2.5

1 - Vertical Plane Through Horizontal Angles (10 - 190) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)