

PHILIPS

LUMEC

IES ROAD REPORT

PHOTOMETRIC FILENAME : DOS-55W32LED4K-T-LE4F.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LRPS1343F

[TESTLAB] PHILIPS Lighting - San Marcos

[ISSUEDATE]10/19/2015

[MANUFAC]PHILIPS LUMEC

[LUMCAT]DOS-55W32LED4K-T-LE4F

[LUMINAIRE]DOMUS, TYPE LE4F OPTIC, FLAT GLASS

[LAMP](2) LEDGINE IP20, NW

[ABSOLUTE LUMENS] 4822 ABSOLUTE LUMENS DELIVERED

[OTHER] DATA SHOWN IS ABSOLUTE PHOTOMETRY AT RATED INPUT

[OTHER] BUG RATING B1-U0-G1

[OTHER]INPUT: 120.05V 0.45A 53.72W OUTPUT: 90.81V 0.5312A

[SEARCH_CRI] 70

[SEARCH_COLORTEMP] 4000

[SEARCH_APPLICATION] Outdoor, Architectural, Area, Commercial, Landscape, Office, Parking, Parks, Pathway, Pedestrian, P

[SEARCH_MOUNTING] Arm, Pendant, Pole, Post Top

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4822
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	53.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2299.7
Maximum Candela Angle	45H 67.5V
Maximum Candela (<90 Degrees Vertical)	2299.7
Maximum Candela Angle (<90 Degrees Vertical)	45H 67.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	200.4 (4.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	483.5	N.A.	10.0
FM - Front-Medium (30-60)	1766.1	N.A.	36.6
FH - Front-High (60-80)	1561.3	N.A.	32.4
FVH - Front-Very High (80-90)	17.2	N.A.	0.4
BL - Back-Low (0-30)	299.3	N.A.	6.2
BM - Back-Medium (30-60)	518.5	N.A.	10.8
BH - Back-High (60-80)	169.3	N.A.	3.5
BVH - Back-Very High (80-90)	6.4	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	4821.6	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	60.0	62.5	65.0
0.0	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7
2.5	1090.7	1088.1	1086.1	1083.1	1081.1	1073.2	1070.9	1068.4	1067.4	1065.9
5.0	1112.4	1110.2	1108.3	1103.5	1101.2	1091.8	1087.4	1083.4	1081.2	1078.6
7.5	1126.4	1123.9	1121.3	1115.9	1112.9	1104.1	1097.9	1093.0	1090.7	1087.7
10.0	1136.4	1133.6	1129.9	1123.2	1119.3	1110.8	1104.5	1100.0	1097.7	1094.8
12.5	1146.7	1145.0	1139.1	1130.1	1122.4	1115.2	1108.8	1105.0	1103.7	1100.7
15.0	1161.6	1160.8	1152.4	1139.1	1127.1	1120.8	1113.1	1109.4	1107.8	1106.8
17.5	1179.0	1178.8	1166.6	1150.3	1134.7	1127.1	1117.9	1114.1	1112.5	1112.3
20.0	1200.7	1198.7	1182.4	1161.9	1144.3	1134.8	1124.7	1121.2	1119.8	1119.6
22.5	1222.5	1218.2	1198.1	1175.3	1156.6	1144.7	1133.6	1129.4	1128.8	1128.3
25.0	1242.4	1236.1	1215.6	1191.4	1172.2	1158.0	1147.1	1143.7	1142.2	1141.4
27.5	1272.2	1264.2	1239.9	1211.8	1192.7	1175.6	1167.3	1162.4	1161.6	1160.3
30.0	1326.3	1316.3	1277.8	1236.7	1216.6	1197.1	1191.0	1184.9	1184.2	1182.7
32.5	1415.8	1395.3	1319.9	1270.0	1243.3	1223.5	1217.4	1211.3	1210.7	1209.3
35.0	1521.7	1476.9	1352.9	1306.3	1277.3	1252.6	1248.2	1242.4	1241.6	1240.6
37.5	1594.0	1530.4	1385.6	1344.2	1316.7	1287.7	1280.4	1278.1	1277.0	1276.4
40.0	1619.9	1547.6	1420.1	1385.7	1358.1	1329.4	1316.9	1318.2	1318.4	1317.7
42.5	1612.1	1551.1	1459.1	1429.1	1402.7	1376.6	1360.6	1361.4	1362.9	1363.0
45.0	1653.2	1616.9	1541.8	1485.8	1447.9	1426.1	1406.7	1402.7	1402.6	1403.4
47.5	1765.1	1737.9	1671.3	1587.8	1508.1	1469.2	1453.1	1450.6	1452.8	1454.7
50.0	1884.1	1853.8	1797.4	1716.2	1601.1	1527.4	1511.7	1509.8	1510.4	1514.0
52.5	1993.3	1961.9	1916.4	1830.8	1725.4	1622.8	1582.8	1576.1	1572.8	1568.1
55.0	2054.5	2023.6	2006.1	1930.8	1854.9	1757.3	1669.2	1634.8	1624.8	1623.6
57.5	2024.7	1998.8	2008.3	2014.9	1990.4	1907.2	1778.2	1711.8	1695.9	1689.2
60.0	1977.4	1956.9	1970.1	2034.7	2112.3	2059.2	1910.3	1826.1	1796.1	1777.3
62.5	1977.6	1949.4	1965.9	2041.8	2174.0	2197.8	2046.2	1954.5	1912.0	1878.1
65.0	2032.8	2009.4	2017.1	2070.0	2208.2	2280.9	2155.0	2066.9	2024.0	1987.6
67.5	2109.3	2098.6	2092.8	2101.6	2198.2	2299.7	2234.6	2143.4	2100.0	2057.0
70.0	2197.6	2163.3	2121.7	2115.6	2181.1	2281.6	2235.6	2122.9	2066.5	2003.9
72.5	2183.5	2116.0	2073.9	2048.2	2074.4	2140.1	1983.0	1832.4	1756.8	1668.2
75.0	1502.4	1618.2	1596.1	1593.0	1633.9	1639.6	1321.9	1118.1	1029.9	931.6
77.5	394.7	378.2	421.1	530.0	712.4	782.5	506.3	414.9	389.0	350.0
80.0	105.6	102.8	110.6	127.8	163.3	200.4	177.9	164.1	156.2	141.1
82.5	32.5	31.2	35.0	40.7	51.2	61.2	67.9	65.7	61.8	54.9
85.0	8.3	7.4	7.8	9.1	11.6	13.8	15.3	15.2	14.9	13.9
87.5	2.7	2.4	2.5	2.8	3.4	3.9	4.3	4.5	4.6	4.4
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Angles	Horizontal Angles									
	67.5	70.0	72.5	75.0	77.5	80.0	82.5	85.0	87.5	90.0
0.0	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7
2.5	1064.8	1062.9	1061.7	1059.9	1058.5	1056.9	1054.5	1052.8	1050.9	1048.9
5.0	1076.4	1073.7	1071.1	1068.5	1065.8	1062.0	1057.9	1054.6	1051.2	1047.2
7.5	1084.4	1081.8	1078.8	1075.4	1071.9	1066.9	1062.0	1057.3	1051.9	1046.1
10.0	1091.1	1088.8	1085.7	1081.9	1077.4	1072.6	1066.7	1060.8	1053.9	1046.4
12.5	1097.7	1094.9	1092.6	1089.4	1083.9	1078.1	1072.2	1064.9	1056.9	1048.9
15.0	1104.9	1102.2	1100.1	1097.2	1092.3	1086.1	1080.7	1073.4	1064.9	1055.2
17.5	1111.4	1108.9	1107.1	1104.9	1101.1	1095.8	1091.1	1083.9	1075.0	1064.3
20.0	1119.6	1118.6	1117.1	1115.4	1112.1	1107.9	1102.8	1095.7	1085.6	1073.2
22.5	1129.2	1129.1	1127.6	1125.8	1123.6	1120.4	1115.2	1108.1	1096.7	1084.1
25.0	1142.2	1142.6	1142.2	1140.8	1138.8	1135.3	1130.8	1123.7	1111.1	1094.8
27.5	1160.7	1160.6	1161.5	1161.3	1159.3	1155.9	1151.1	1141.7	1126.8	1107.0

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CANDELA TABULATION - (Cont.)

30.0	1183.1	1182.1	1183.9	1184.2	1183.2	1178.6	1172.4	1162.1	1144.9	1122.6
32.5	1209.9	1209.3	1210.2	1210.2	1208.9	1205.9	1198.0	1185.3	1165.7	1138.8
35.0	1240.5	1240.9	1242.0	1242.1	1242.5	1237.7	1228.8	1213.1	1190.2	1158.3
37.5	1276.7	1277.9	1278.9	1279.7	1280.3	1275.4	1266.2	1246.8	1217.8	1179.4
40.0	1318.9	1320.3	1320.8	1323.1	1324.6	1320.0	1307.4	1283.3	1248.3	1202.8
42.5	1364.0	1366.9	1370.2	1374.1	1376.3	1369.6	1354.6	1325.0	1282.3	1226.6
45.0	1404.8	1408.7	1413.2	1419.1	1420.2	1415.2	1394.1	1357.9	1304.5	1236.3
47.5	1455.6	1459.2	1465.6	1472.9	1469.9	1456.8	1428.7	1381.4	1319.6	1243.6
50.0	1512.6	1516.1	1518.3	1523.6	1524.1	1510.9	1478.3	1418.8	1343.8	1254.2
52.5	1566.2	1571.0	1575.9	1581.5	1573.9	1547.3	1500.8	1424.3	1334.6	1230.1
55.0	1623.9	1629.8	1633.4	1633.9	1617.9	1582.6	1521.8	1433.0	1327.2	1204.7
57.5	1688.9	1694.4	1699.8	1697.4	1674.3	1623.9	1544.9	1440.3	1316.4	1177.4
60.0	1770.0	1770.6	1770.6	1758.9	1723.7	1656.0	1559.3	1437.4	1292.7	1135.3
62.5	1860.1	1844.9	1833.1	1807.0	1752.4	1667.4	1550.9	1407.9	1245.0	1066.8
65.0	1959.8	1932.9	1893.9	1836.8	1749.5	1637.1	1496.6	1335.1	1159.2	965.3
67.5	2009.4	1955.2	1892.9	1801.0	1681.0	1537.6	1376.2	1198.8	1008.2	808.6
70.0	1941.9	1869.7	1773.9	1649.6	1500.6	1333.9	1151.7	966.2	779.9	595.3
72.5	1581.1	1471.4	1351.2	1200.3	1038.4	881.8	732.7	591.5	460.6	341.5
75.0	838.0	731.4	624.2	516.8	413.0	329.4	269.3	219.2	175.7	144.6
77.5	305.1	252.1	208.4	173.9	147.4	129.9	115.7	104.3	92.1	81.7
80.0	126.5	115.1	107.2	97.8	87.5	76.7	66.9	59.9	54.5	50.2
82.5	48.7	43.7	40.2	38.5	39.2	37.0	35.2	32.8	29.0	26.3
85.0	13.4	12.9	12.8	12.9	13.3	12.1	11.9	11.8	11.4	11.0
87.5	4.6	4.8	4.6	4.9	4.7	4.5	4.6	4.6	4.6	4.6
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**Vert.
Angles**

Horizontal Angles

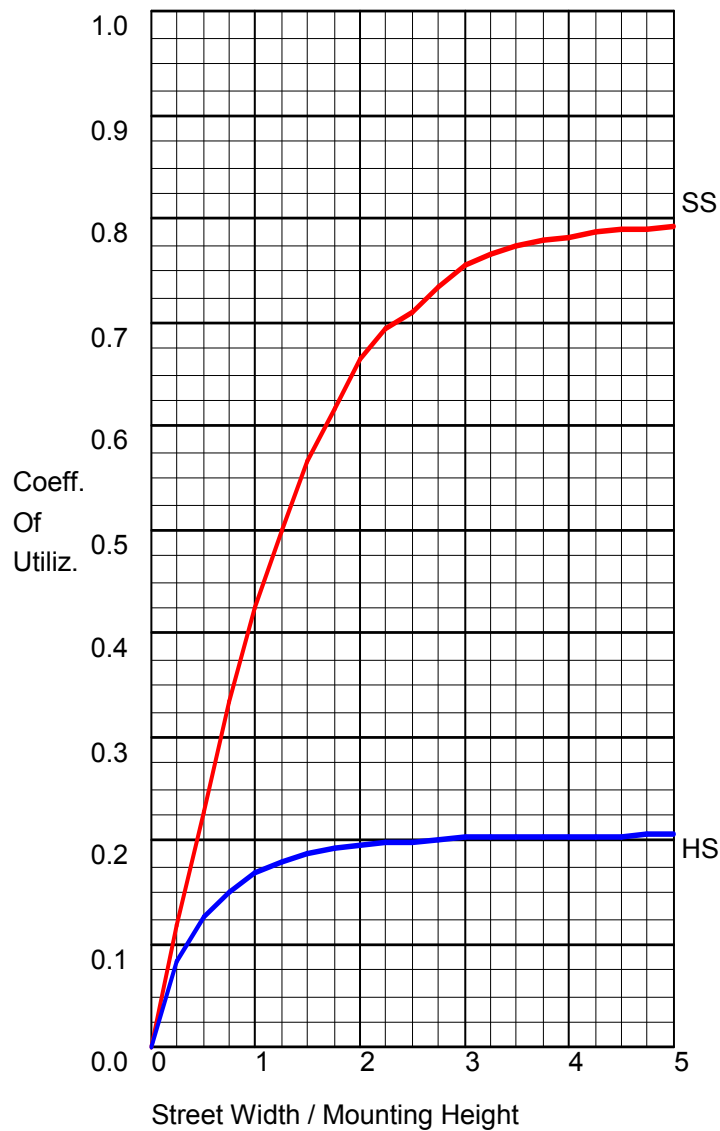
	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7	1050.7
2.5	1045.6	1036.9	1028.9	1019.0	1010.5	1008.1	1004.0	1000.4	1000.2	1003.0
5.0	1039.9	1022.2	1004.2	985.4	968.1	955.7	944.6	936.4	933.1	934.4
7.5	1035.4	1009.0	979.9	948.5	920.2	895.6	876.2	861.4	854.1	852.3
10.0	1032.1	995.7	953.2	908.9	868.0	830.7	801.5	779.5	768.6	765.2
12.5	1030.1	982.7	926.5	867.0	810.8	760.3	722.0	694.0	680.2	676.0
15.0	1032.1	971.4	899.0	822.5	749.7	686.5	642.7	614.1	599.9	595.5
17.5	1036.2	960.8	870.2	774.1	687.9	618.7	571.7	543.5	528.8	522.7
20.0	1040.8	949.0	837.5	722.7	629.3	557.4	508.5	481.5	471.6	467.2
22.5	1044.8	934.3	801.0	671.0	574.1	498.5	460.6	444.2	436.8	433.4
25.0	1048.9	917.8	761.1	621.8	518.2	454.5	425.8	421.6	424.6	423.7
27.5	1051.6	899.2	718.6	572.0	465.6	418.0	415.1	423.5	429.0	428.8
30.0	1057.9	879.2	675.5	518.8	425.8	404.4	415.5	425.1	430.1	429.9
32.5	1064.4	857.0	631.8	463.9	392.6	401.2	413.5	421.9	426.0	425.0
35.0	1071.2	831.5	583.1	421.5	381.8	396.5	407.0	414.9	418.2	417.0
37.5	1078.4	800.7	531.0	381.2	375.0	388.6	397.3	404.0	407.0	405.6
40.0	1084.2	762.9	477.3	355.9	367.0	378.8	385.0	389.9	392.3	390.9
42.5	1084.9	716.8	425.7	345.9	357.4	365.5	369.4	372.5	375.1	372.9
45.0	1072.8	662.8	384.5	335.9	345.8	350.2	351.9	352.7	355.7	353.6
47.5	1055.2	602.9	346.8	324.8	330.9	332.5	331.5	334.0	337.6	335.3
50.0	1035.4	537.5	314.4	311.2	314.2	313.0	311.8	314.7	317.3	315.7
52.5	981.8	470.8	292.5	296.0	295.4	291.0	290.5	293.8	294.7	292.5
55.0	925.2	411.7	274.5	278.6	274.2	267.7	267.8	271.4	271.7	269.3
57.5	861.4	360.6	256.8	259.0	251.1	243.1	244.5	248.9	249.7	246.8
60.0	783.3	314.8	237.3	238.3	226.9	220.5	222.6	226.8	229.6	227.7
62.5	685.2	272.0	216.4	216.3	203.0	198.2	200.8	204.6	212.5	211.7
65.0	570.6	234.3	198.7	191.9	179.1	175.9	178.6	183.8	195.3	195.5

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CANDELA TABULATION - (Cont.)

67.5	445.9	196.6	174.2	165.3	154.2	153.0	156.4	162.1	175.8	176.6
70.0	309.3	150.1	142.5	138.2	128.9	130.4	134.1	140.8	158.8	160.6
72.5	183.8	114.9	112.8	110.0	103.7	106.3	109.3	122.1	132.2	129.5
75.0	106.4	86.1	85.7	83.2	78.8	80.4	82.1	89.2	95.0	92.1
77.5	67.3	60.8	61.2	58.1	54.4	53.7	57.6	57.8	59.8	58.1
80.0	41.3	39.3	38.2	35.1	31.8	31.5	33.8	31.8	31.6	31.0
82.5	23.0	22.0	20.2	18.1	16.2	15.2	16.3	13.6	13.3	12.8
85.0	10.6	10.1	9.8	9.4	8.7	7.8	7.1	6.4	5.9	5.8
87.5	4.5	4.5	4.3	4.3	4.2	3.2	2.8	2.4	2.2	2.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

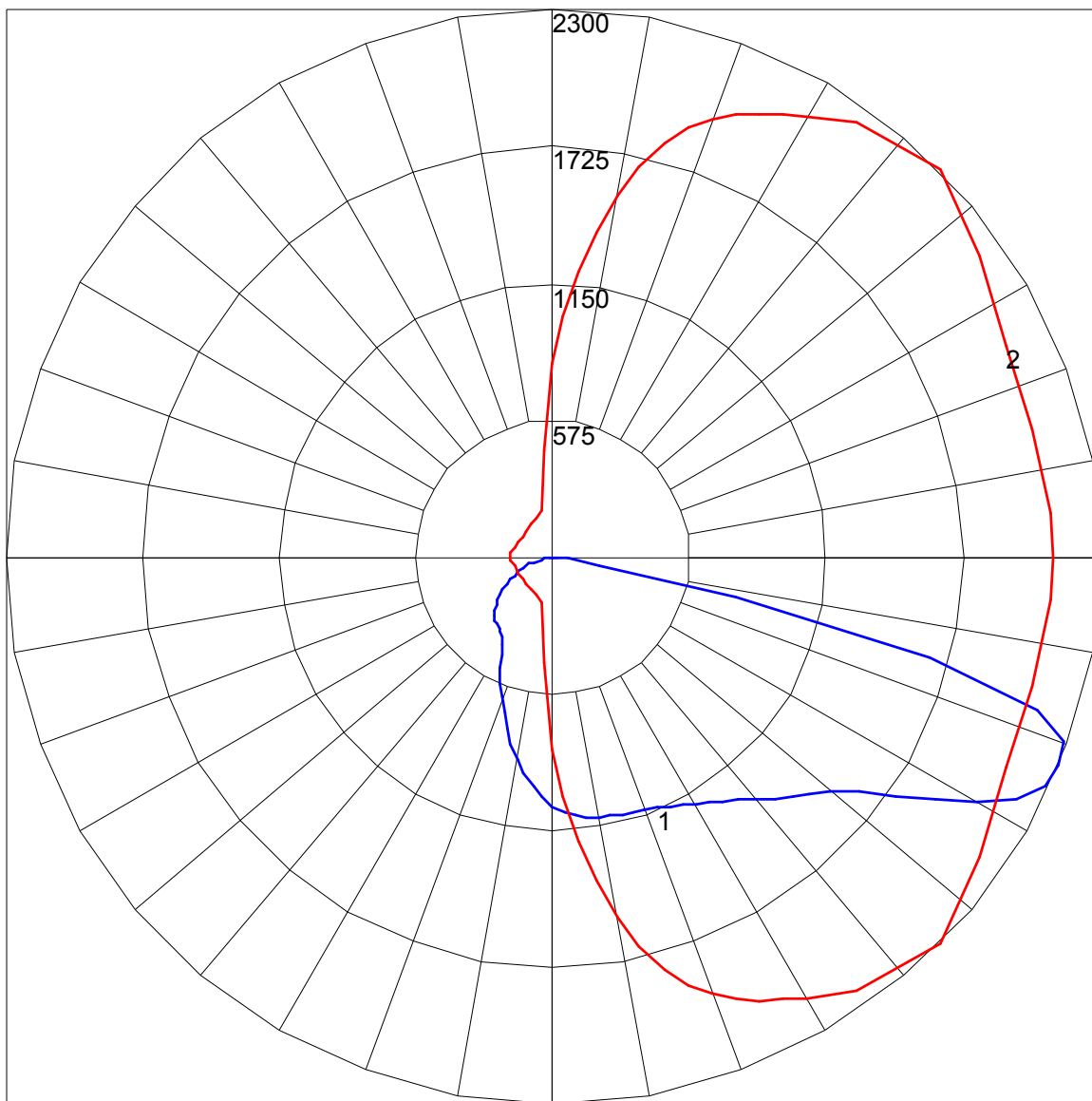
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

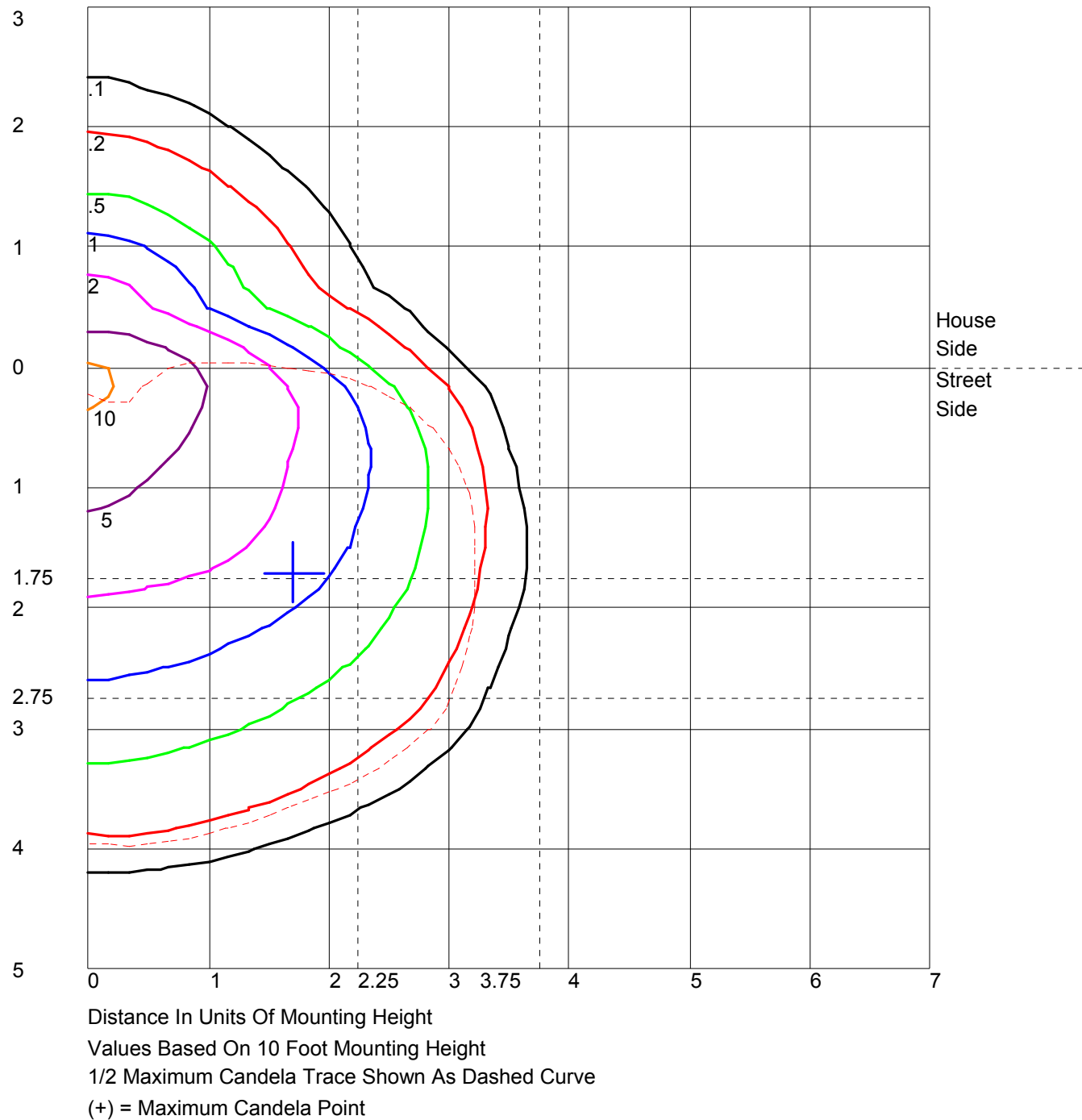
	Lumens	Percent Of Luminaire
Downward Street Side	3828.1	79.4
Downward House Side	993.5	20.6
Downward Total	4821.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4821.6	100.0

POLAR GRAPH

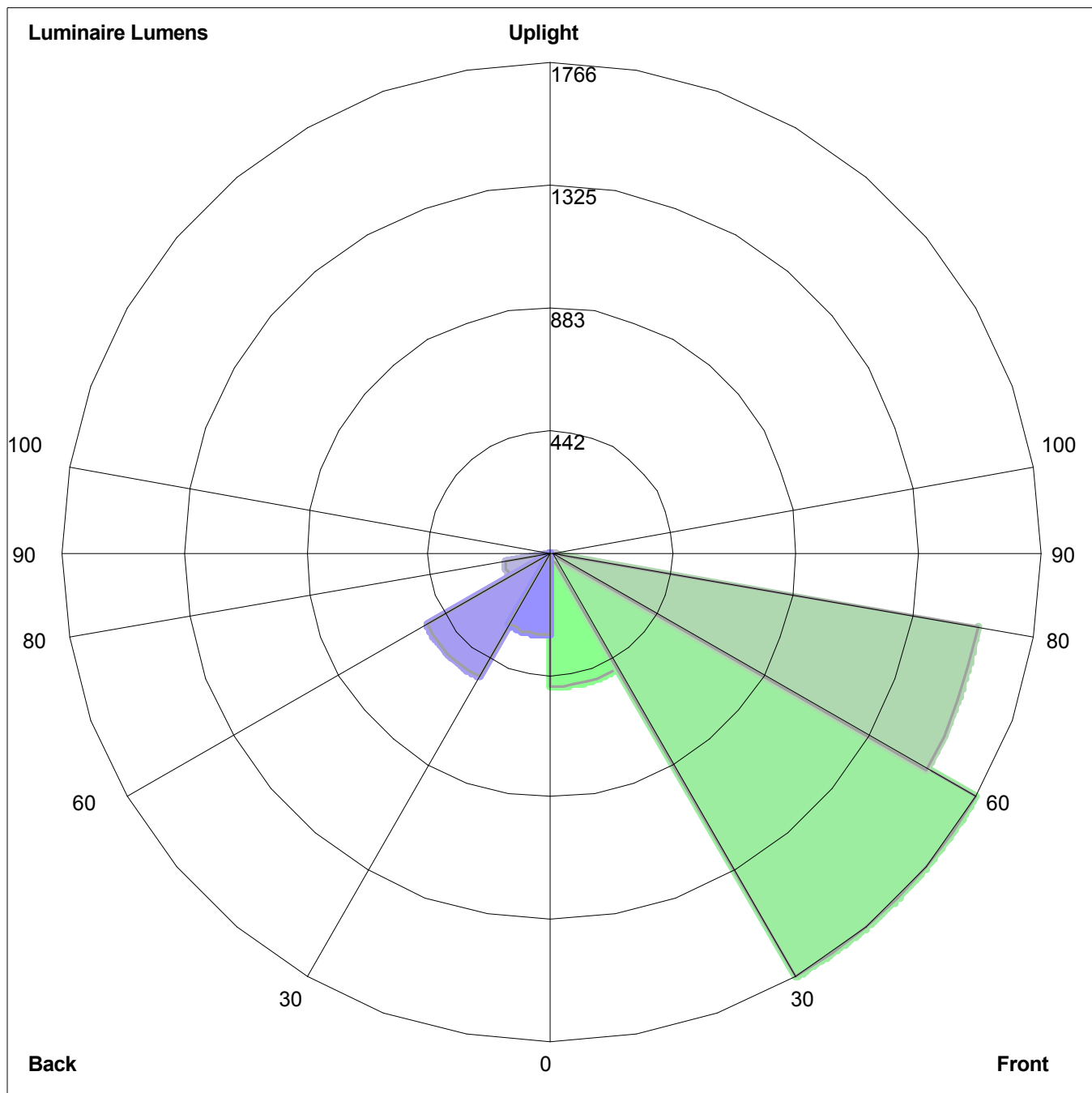


Maximum Candela = 2299.7 Located At Horizontal Angle = 45, Vertical Angle = 67.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (67.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=483.5, Medium=1766.1, High=1561.3, Very High=17.2
Back: Low=299.3, Medium=518.5, High=169.3, Very High=6.4
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1