

PHILIPS

LUMEC

IES ROAD REPORT

PHOTOMETRIC FILENAME : DOS-55W32LED4K-T-LE5F.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LRPS1343G

[TESTLAB] PHILIPS Lighting - San Marcos

[ISSUE DATE]10/19/2015

[MANUFAC]PHILIPS LUMEC

[LUMCAT]DOS-55W32LED4K-T-LE5F

[LUMINAIRE]DOMUS, TYPE LE5F OPTIC, FLAT GLASS

[LAMP](2) LEDGINE IP20, NW

[ABSOLUTE LUMENS] 4576 ABSOLUTE LUMENS DELIVERED

[OTHER] DATA SHOWN IS ABSOLUTE PHOTOMETRY AT RATED INPUT

[OTHER] BUG RATING B3-U0-G1

[OTHER]INPUT: 120.12V 0.45A 53.89W OUTPUT: 90.05V 0.5311A

[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 VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4576
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	53.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1891.9
Maximum Candela Angle	0H 70V
Maximum Candela (<90 Degrees Vertical)	1891.9
Maximum Candela Angle (<90 Degrees Vertical)	0H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	175 (3.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	150.7	N.A.	3.3
FM - Front-Medium (30-60)	904.4	N.A.	19.8
FH - Front-High (60-80)	1203.3	N.A.	26.3
FVH - Front-Very High (80-90)	9.2	N.A.	0.2
BL - Back-Low (0-30)	149.9	N.A.	3.3
BM - Back-Medium (30-60)	901.8	N.A.	19.7
BH - Back-High (60-80)	1245.4	N.A.	27.2
BVH - Back-Very High (80-90)	11.2	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	4575.9	N.A.	100.0
BUG Rating	B3-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>
0.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0
2.5	347.8	347.2	346.8	347.0	346.8	346.8	346.5	346.5	346.5	346.6
5.0	348.5	348.4	347.8	347.5	347.8	347.7	347.5	347.4	347.2	347.4
7.5	349.9	349.8	349.0	348.5	348.4	348.0	348.0	347.8	347.8	348.0
10.0	351.5	351.4	350.0	348.2	347.2	346.5	346.7	346.7	347.1	347.0
12.5	355.1	354.2	351.3	347.6	345.2	343.8	344.0	344.2	344.6	345.2
15.0	357.8	356.8	352.5	347.4	344.1	342.5	341.9	342.0	342.8	343.6
17.5	360.1	358.6	354.0	347.9	345.0	343.8	342.2	342.0	343.1	343.9
20.0	362.9	360.7	356.2	350.6	348.2	347.0	345.5	345.4	345.7	345.9
22.5	366.2	364.6	359.9	355.6	353.5	352.4	350.5	349.9	349.8	350.1
25.0	372.1	370.2	366.0	362.8	361.6	361.7	358.5	357.4	356.9	357.3
27.5	381.4	379.6	376.4	374.0	374.3	375.5	371.1	369.1	368.4	367.6
30.0	396.1	394.4	392.3	391.6	393.6	396.0	390.3	387.2	386.0	384.8
32.5	418.6	417.5	415.8	416.4	418.8	421.0	416.0	412.1	410.5	408.9
35.0	452.6	453.0	448.9	449.5	454.0	454.4	450.8	445.7	443.4	442.0
37.5	505.6	505.8	497.3	496.4	501.2	500.9	495.7	491.3	489.3	488.4
40.0	566.3	566.8	559.1	564.7	573.2	568.9	564.3	559.8	557.2	555.4
42.5	643.5	642.4	636.4	644.8	660.4	660.6	649.2	642.0	637.2	634.4
45.0	734.4	730.8	718.8	725.3	742.6	742.7	728.1	718.8	714.8	710.5
47.5	822.7	818.3	806.3	804.5	807.1	806.5	797.2	792.5	792.5	791.7
50.0	903.2	900.1	885.4	880.8	884.0	889.8	878.0	874.7	874.1	871.5
52.5	987.0	981.8	970.6	955.4	965.0	969.3	958.6	949.1	942.5	940.0
55.0	1081.4	1077.9	1063.2	1052.3	1051.8	1041.4	1033.1	1025.3	1024.3	1025.4
57.5	1205.4	1204.7	1173.7	1158.9	1150.2	1117.6	1116.0	1121.8	1124.3	1133.6
60.0	1358.5	1348.5	1309.8	1274.7	1252.5	1225.2	1228.2	1243.0	1249.7	1261.4
62.5	1522.3	1515.2	1470.9	1400.6	1387.9	1343.9	1366.6	1380.1	1389.6	1400.6
65.0	1685.3	1687.0	1635.8	1553.1	1517.8	1473.3	1502.2	1507.2	1513.5	1519.2
67.5	1853.8	1837.6	1764.8	1680.1	1624.3	1605.2	1641.9	1643.2	1644.7	1644.1
70.0	1891.9	1815.3	1775.4	1744.2	1731.2	1694.7	1703.1	1687.1	1673.7	1659.6
72.5	1061.6	1018.7	1298.8	1553.8	1676.8	1639.9	1617.3	1596.1	1567.2	1520.1
75.0	264.6	120.8	218.2	859.2	1428.0	1474.4	1382.9	1183.1	1059.4	886.3
77.5	59.7	55.5	63.3	116.8	606.3	765.3	570.0	315.7	221.0	147.9
80.0	29.5	28.2	31.5	41.8	65.6	86.3	74.2	64.3	62.0	59.2
82.5	14.1	13.6	15.3	18.4	24.5	28.7	30.8	30.2	29.9	29.0
85.0	6.5	6.1	7.1	9.1	11.8	13.6	15.0	15.2	14.9	14.8
87.5	1.7	1.4	2.1	2.8	4.2	5.7	6.4	6.4	6.9	6.5
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>67.5</u>	<u>70.0</u>	<u>72.5</u>	<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	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0
2.5	346.8	346.6	346.6	346.8	346.6	346.6	346.6	346.8	347.0	346.7
5.0	347.3	347.5	347.3	347.3	347.1	347.5	347.4	347.4	347.4	347.5
7.5	348.0	348.1	348.0	348.4	348.3	348.1	348.3	348.3	348.5	348.5
10.0	347.2	347.5	347.8	347.9	348.2	348.4	348.8	348.8	349.0	348.8
12.5	345.3	345.8	346.5	347.2	347.9	348.4	349.0	349.5	349.5	349.9
15.0	344.5	345.3	346.0	347.3	348.2	349.0	349.9	350.3	351.0	351.4
17.5	344.1	345.3	346.9	348.0	349.3	350.1	351.0	351.6	352.0	352.4
20.0	346.5	347.1	348.2	349.8	351.1	352.2	353.0	353.8	354.2	354.5
22.5	350.2	350.8	352.3	353.6	354.8	355.5	356.3	356.9	357.5	357.4
25.0	357.2	357.4	358.5	359.3	360.0	360.5	361.4	361.3	361.7	362.1
27.5	367.5	367.4	368.0	368.1	368.5	368.8	370.0	369.8	369.8	370.2

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CANDELA TABULATION - (Cont.)

30.0	384.0	383.0	383.0	382.5	382.3	382.8	383.2	383.6	384.4	384.9
32.5	407.6	406.4	405.0	405.3	405.0	404.8	406.0	406.7	407.2	407.5
35.0	440.4	439.0	437.2	438.0	438.0	438.2	439.0	439.7	440.4	441.7
37.5	487.6	486.9	486.5	486.9	488.0	489.8	491.8	492.9	492.2	494.6
40.0	553.1	552.0	551.4	551.7	551.8	554.2	556.8	557.7	558.0	559.8
42.5	630.8	628.9	628.4	628.8	628.0	631.2	633.7	633.2	634.2	636.2
45.0	707.8	707.1	707.5	707.8	708.6	710.5	711.7	709.8	711.5	715.1
47.5	791.4	791.1	792.6	794.4	794.3	796.3	798.7	798.3	798.2	802.2
50.0	868.6	866.3	867.6	870.4	873.2	877.8	879.8	879.1	878.3	881.4
52.5	939.5	939.1	941.8	945.6	948.9	953.2	956.5	957.0	956.2	958.3
55.0	1028.7	1031.4	1036.4	1043.4	1047.9	1051.9	1054.2	1052.9	1051.1	1052.2
57.5	1143.9	1150.3	1156.1	1161.8	1166.9	1169.7	1172.2	1168.2	1166.8	1166.2
60.0	1274.9	1282.0	1290.6	1298.7	1307.0	1313.8	1321.4	1321.1	1320.1	1322.1
62.5	1415.5	1426.2	1441.3	1454.1	1464.2	1472.1	1480.3	1478.9	1489.2	1496.6
65.0	1534.9	1547.9	1565.6	1579.4	1590.5	1600.6	1610.9	1611.6	1621.4	1626.6
67.5	1643.7	1641.5	1641.4	1645.7	1650.1	1656.5	1669.2	1675.8	1681.3	1677.2
70.0	1648.2	1642.5	1639.2	1642.3	1646.6	1661.6	1675.1	1682.2	1688.6	1640.6
72.5	1458.2	1398.5	1341.3	1275.1	1204.8	1154.1	1114.6	1099.6	1081.7	1085.4
75.0	692.0	527.8	398.9	290.9	219.4	184.9	168.3	167.2	160.0	164.1
77.5	110.8	94.1	87.4	83.1	80.6	79.4	77.9	78.5	78.1	80.4
80.0	54.6	51.7	50.2	48.5	47.8	47.1	46.5	47.2	47.0	48.2
82.5	28.1	27.4	27.3	27.3	27.6	27.0	26.5	26.9	26.6	26.9
85.0	15.1	14.8	15.0	15.2	15.3	14.9	14.9	15.1	15.4	15.2
87.5	6.8	6.9	7.2	7.2	7.2	7.2	7.5	7.2	7.1	7.2
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

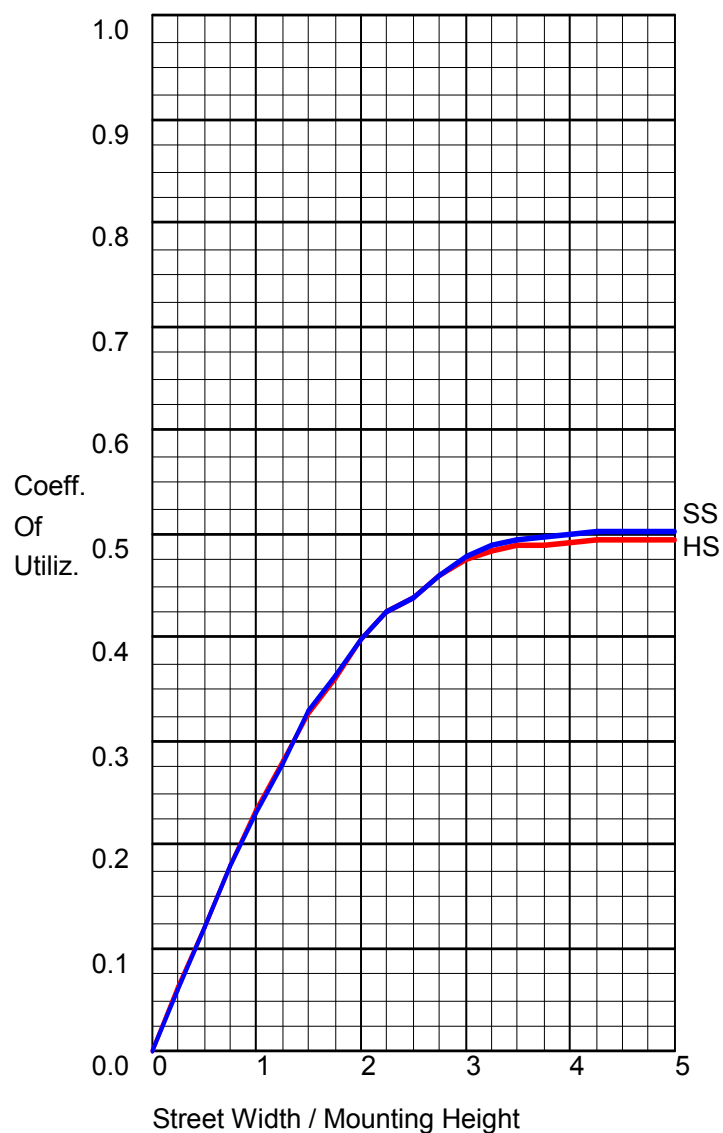
	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0	347.0
2.5	346.6	347.0	346.6	346.2	346.2	346.0	346.2	346.2	346.9	347.9
5.0	347.5	347.4	346.9	346.4	346.6	346.5	346.1	346.0	346.2	348.2
7.5	348.5	348.7	348.1	347.9	347.3	347.8	347.5	347.0	347.6	349.9
10.0	349.0	348.7	347.7	347.0	347.1	347.8	347.8	348.8	349.4	351.3
12.5	349.9	348.2	346.1	345.4	345.0	345.8	346.8	348.9	351.1	352.9
15.0	351.3	348.1	344.5	343.1	343.1	343.5	345.3	348.9	352.3	353.9
17.5	351.9	349.0	344.5	342.9	343.5	343.3	345.0	349.8	353.8	354.9
20.0	353.9	350.7	346.5	345.2	345.6	345.9	346.5	350.7	354.8	355.7
22.5	357.6	354.5	350.5	350.1	350.6	350.6	350.4	353.9	357.0	358.1
25.0	362.1	360.0	357.0	357.6	358.8	357.6	356.8	359.6	362.2	362.5
27.5	369.9	368.6	367.7	369.4	372.0	369.5	367.0	368.6	370.6	370.8
30.0	384.4	383.8	384.4	387.4	392.2	386.7	382.8	382.4	384.1	384.3
32.5	407.0	406.1	409.0	414.8	419.7	411.8	406.7	404.4	405.8	406.5
35.0	440.8	438.7	442.8	450.0	452.9	445.2	439.8	437.2	439.2	440.4
37.5	493.1	489.0	490.3	496.4	497.0	491.5	484.9	483.3	487.5	491.4
40.0	559.5	556.8	561.8	564.3	560.3	554.9	551.4	550.3	555.2	560.0
42.5	635.8	634.8	644.3	657.2	657.2	648.3	635.8	629.8	634.5	639.5
45.0	713.5	714.5	728.6	742.9	748.0	740.8	725.8	720.2	725.5	732.4
47.5	798.8	798.8	805.2	815.5	820.8	811.7	805.7	806.3	811.0	818.8
50.0	880.0	871.8	884.2	891.0	899.7	885.7	879.8	884.0	891.2	898.2
52.5	956.0	944.5	949.8	970.2	981.5	966.5	949.6	964.0	974.9	978.4
55.0	1049.9	1039.3	1030.8	1043.6	1051.5	1050.2	1037.2	1047.7	1060.2	1062.2
57.5	1163.7	1154.3	1133.6	1116.9	1114.2	1144.3	1141.1	1160.9	1174.7	1178.2
60.0	1311.6	1286.8	1252.8	1221.2	1205.2	1241.7	1257.7	1288.8	1309.7	1323.7
62.5	1476.3	1439.8	1384.7	1354.3	1313.6	1369.6	1386.8	1435.4	1462.3	1462.7
65.0	1609.4	1563.8	1507.8	1481.1	1449.9	1495.1	1530.8	1592.7	1623.1	1624.8

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CANDELA TABULATION - (Cont.)

67.5	1665.6	1643.5	1637.6	1634.8	1589.3	1598.9	1651.9	1717.6	1778.2	1786.3
70.0	1669.2	1630.1	1656.6	1715.9	1696.1	1719.2	1723.8	1773.6	1871.2	1890.0
72.5	1129.5	1346.8	1555.1	1632.9	1659.8	1663.9	1616.3	1565.6	1509.7	1411.6
75.0	182.9	406.6	1086.2	1459.4	1496.6	1424.6	1144.5	655.0	442.2	350.5
77.5	79.1	88.2	235.4	845.6	971.0	797.2	305.1	79.9	68.8	65.4
80.0	46.8	50.8	63.8	117.2	175.0	124.2	52.3	37.7	33.8	32.5
82.5	26.5	27.5	30.7	34.5	32.8	28.4	23.8	16.5	15.1	14.3
85.0	15.2	14.8	15.1	15.0	13.6	11.4	9.1	7.2	6.5	6.1
87.5	7.0	6.8	6.8	6.8	5.8	4.6	3.3	2.0	1.5	1.6
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

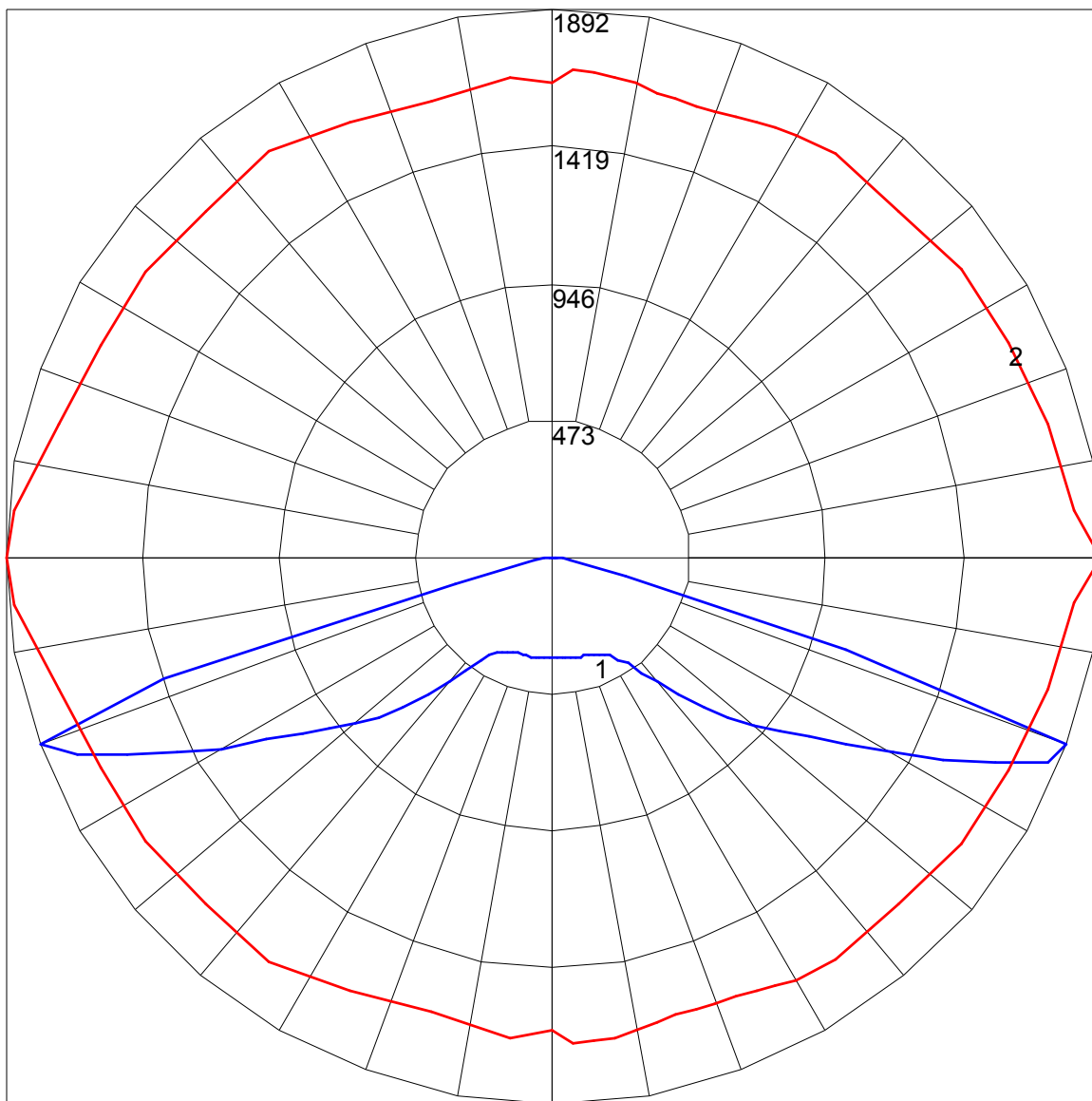
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

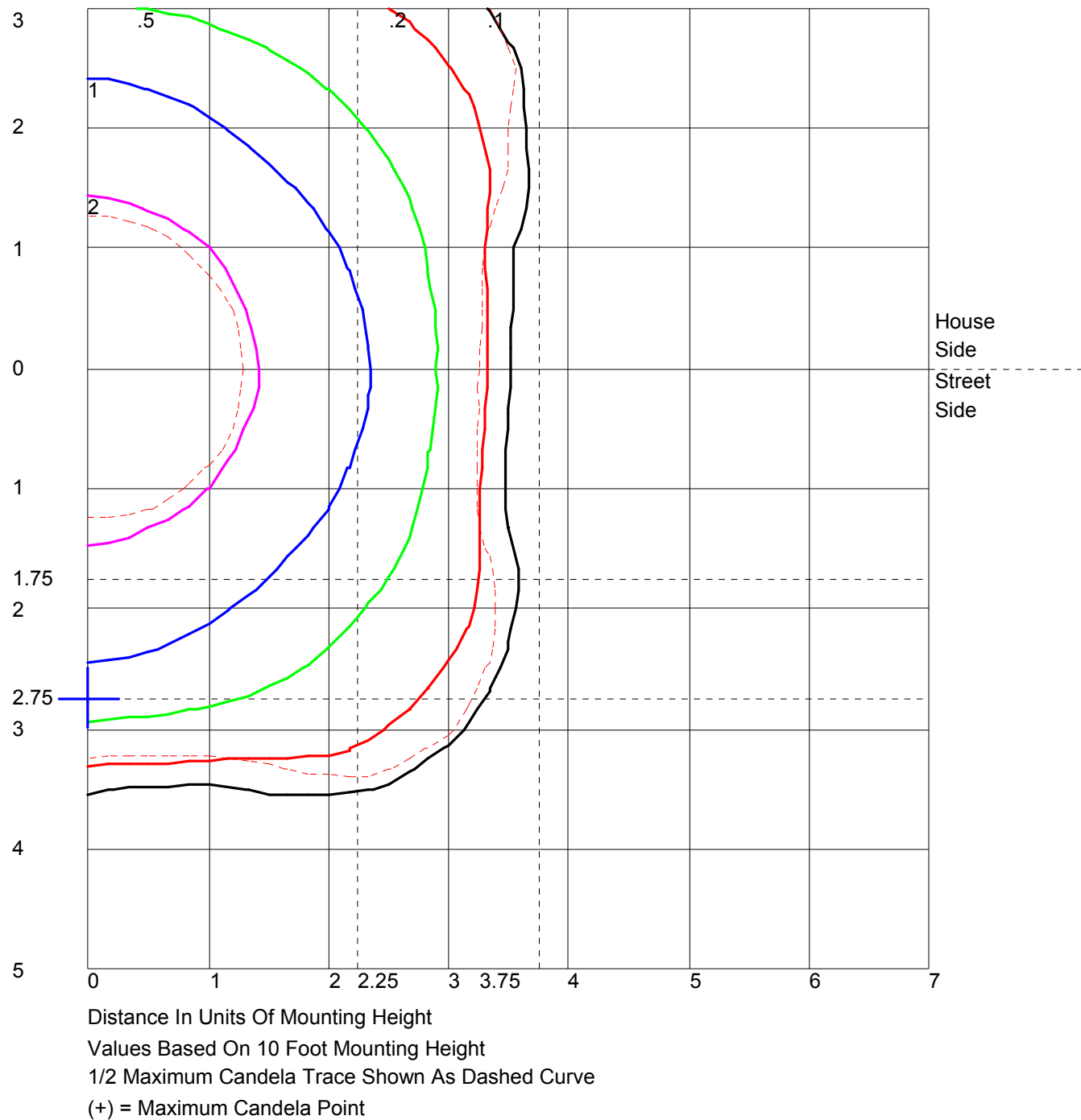
	Lumens	Percent Of Luminaire
Downward Street Side	2267.6	49.6
Downward House Side	2308.2	50.4
Downward Total	4575.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4575.8	100.0

POLAR GRAPH

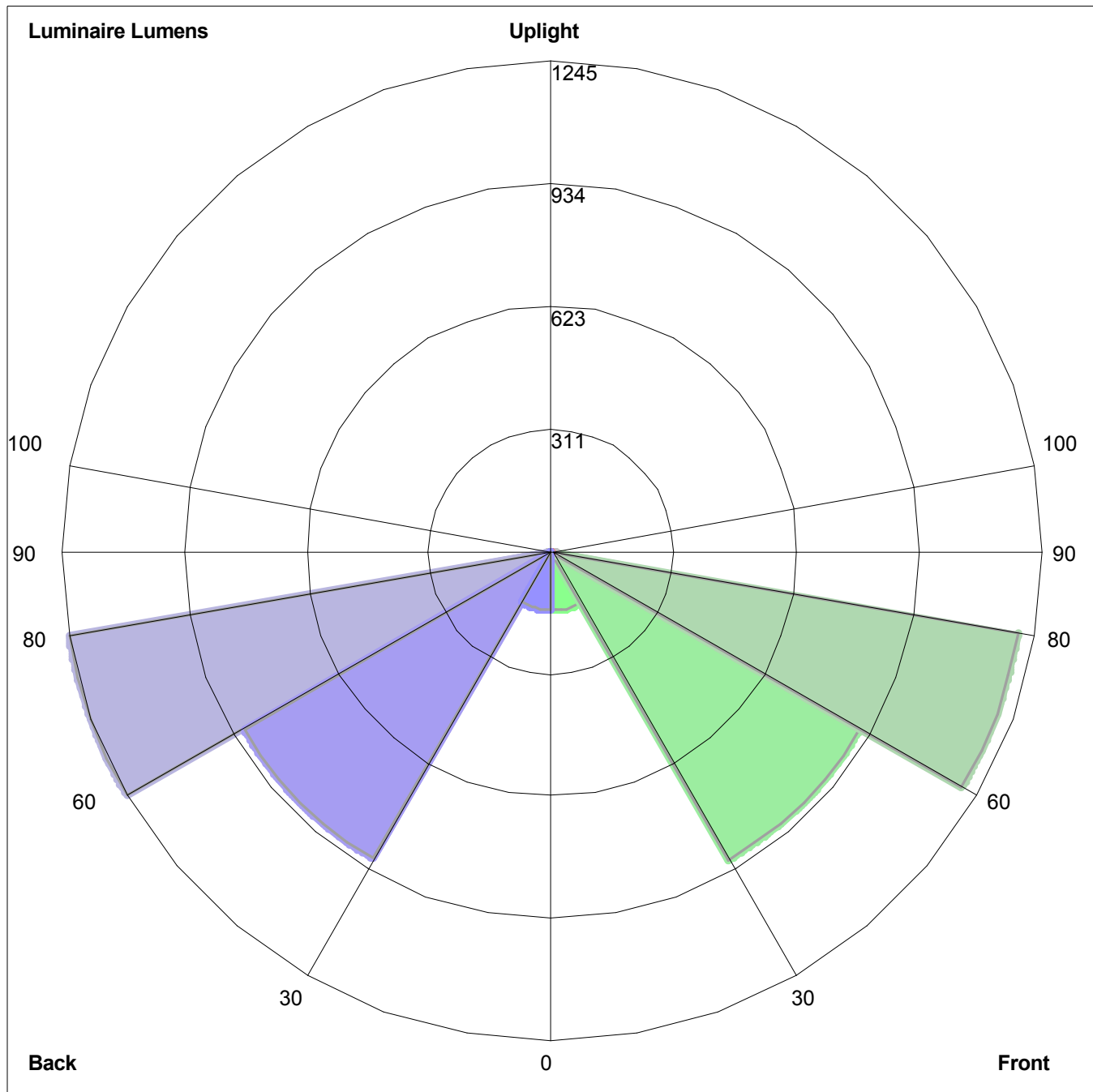


Maximum Candela = 1891.9 Located At Horizontal Angle = 0, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=150.7, Medium=904.4, High=1203.3, Very High=9.2
Back: Low=149.9, Medium=901.8, High=1245.4, Very High=11.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1