

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P200163

Luminaire Tested: **GWC-AF-01-LED-E1-SLR-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-SLR-600
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3765.5 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

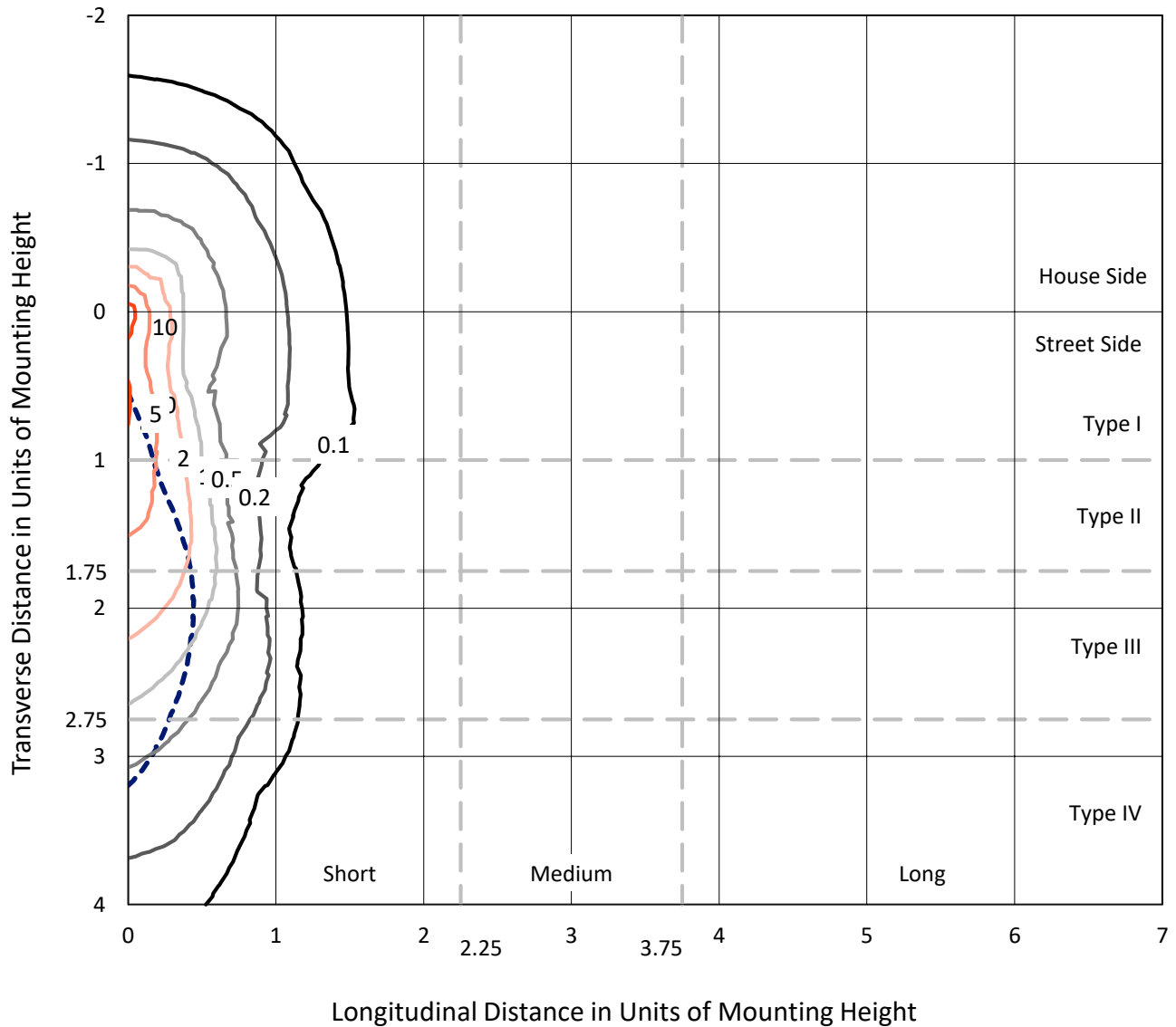
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

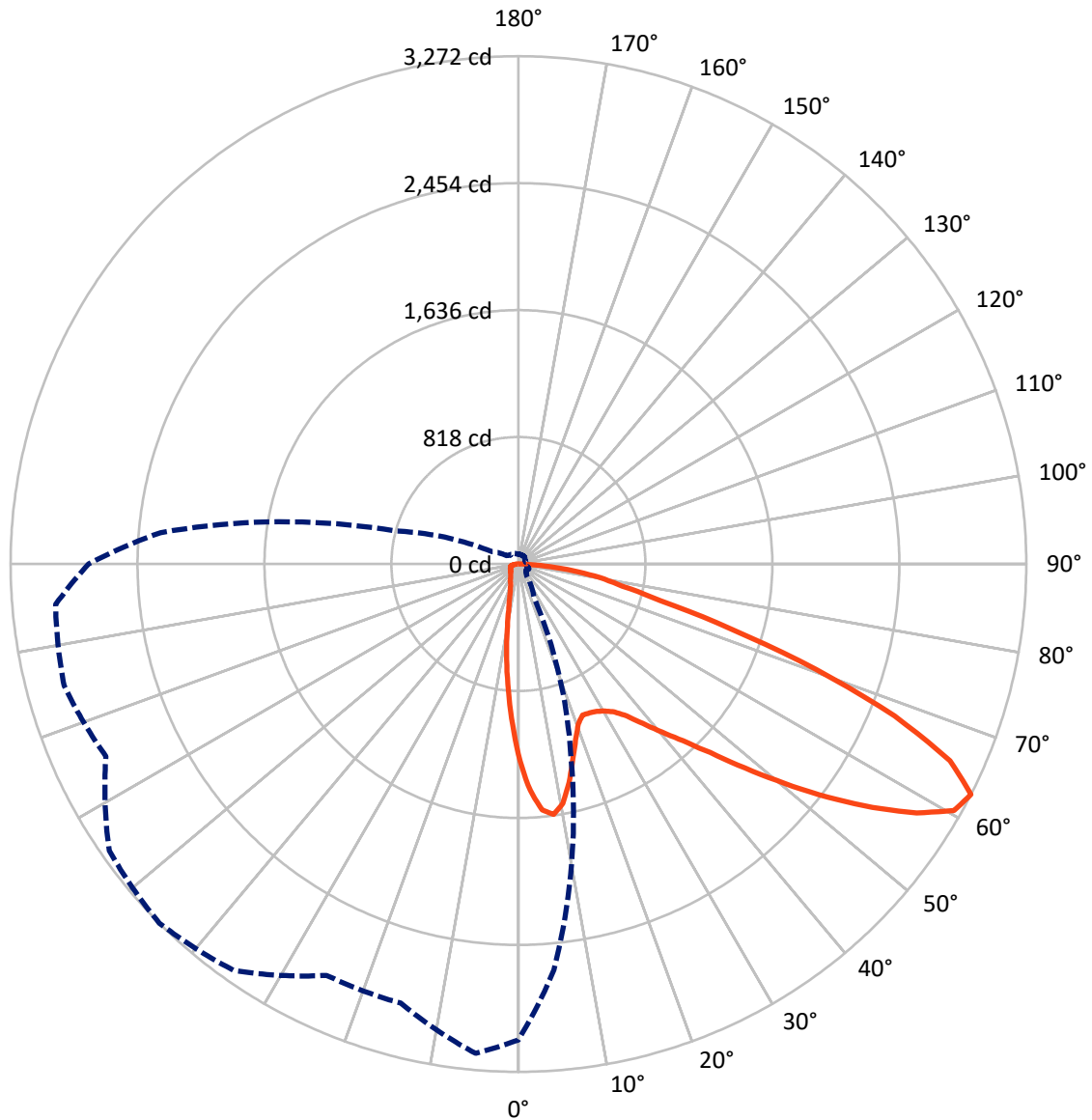
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	623.1	0.0	623.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3142.3	0.0	3142.3
	% Fixture	83.5	0.0	83.5
Total	Lumens	3765.5	0.0	3765.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	2.5
10°-20°	169.8	4.5
20°-30°	247.6	6.6
30°-40°	381.3	10.1
40°-50°	561.2	14.9
50°-60°	823.2	21.9
60°-70°	920.2	24.4
70°-80°	450.5	12.0
80°-90°	118.9	3.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3765.5	100.0
0°-180°	3765.5	100.0



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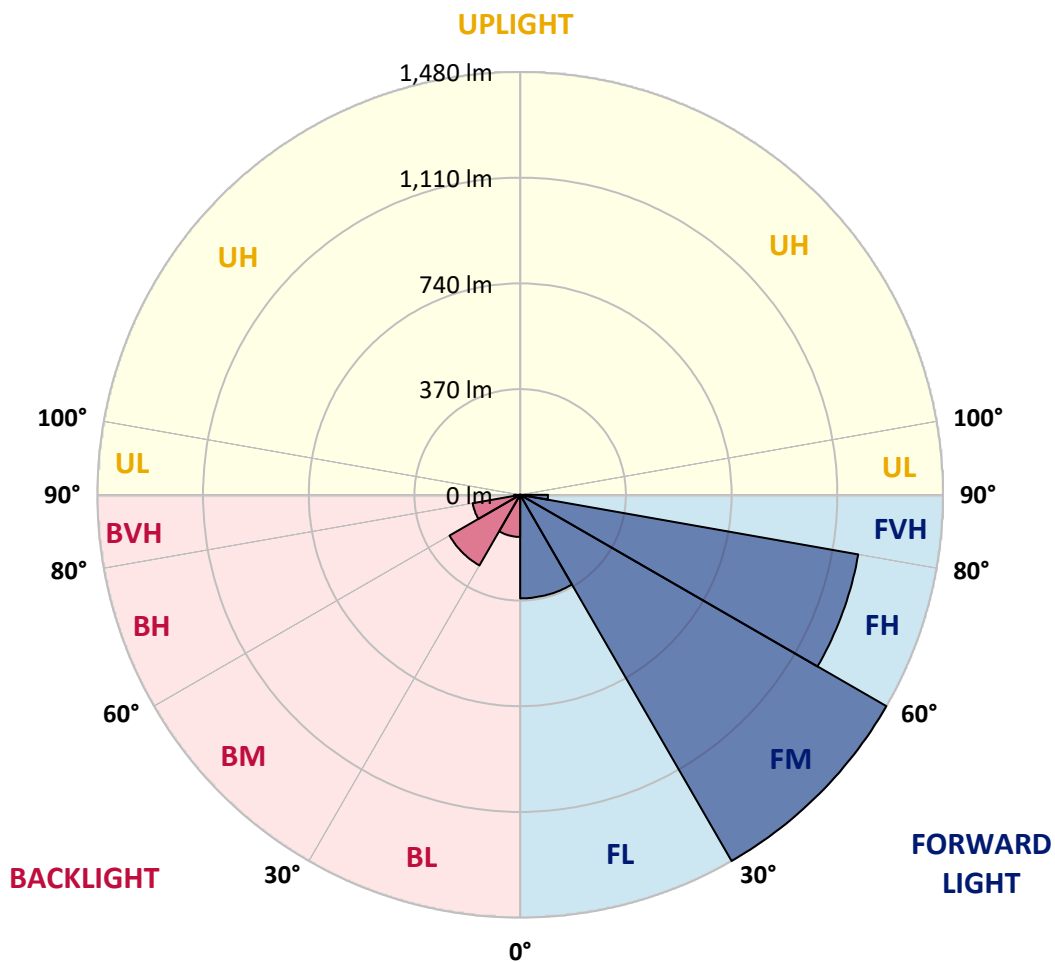
CATALOG NUMBER: GWC-AF-01-LED-E1-SLR-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	362.6	9.6			
FM (30°-60°)	1480.2	39.3			
FH (60°-80°)	1201.8	31.9			G1/1800
FVH (80°-90°)	97.7	2.6			G1/100
BL (0°-30°)	147.4	3.9	B1/500		
BM (30°-60°)	285.5	7.6	B1/1000		
BH (60°-80°)	168.9	4.5	B1/500		G1/500
BVH (80°-90°)	21.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1
2.5°	1321.9	1295.0	1250.3	1203.7	1175.3	1142.2	1116.3	1093.5	1048.0	1039.1	1047.2
5°	1243.0	1189.0	1104.7	1019.9	963.3	902.7	855.5	817.6	759.8	749.7	761.9
7.5°	1116.6	1051.9	940.6	832.3	752.4	676.7	625.7	585.1	540.0	520.6	521.8
10°	1007.4	934.6	802.9	685.2	619.7	568.7	525.8	484.2	438.4	408.4	400.1
12.5°	946.3	862.6	710.8	605.7	545.0	491.2	445.1	400.5	351.7	321.0	312.3
15°	935.8	844.8	676.3	554.7	478.7	410.7	356.2	306.6	256.2	231.4	226.3
17.5°	981.5	876.7	665.0	509.4	416.4	332.5	265.6	210.1	169.1	156.7	155.7
20°	1069.3	937.8	663.6	466.8	355.0	256.5	185.1	144.6	126.6	123.2	123.4
22.5°	1192.5	1032.9	681.4	434.7	298.5	191.3	139.1	121.1	114.1	110.8	110.8
25°	1351.8	1163.7	722.4	411.3	249.4	152.7	122.8	112.0	105.4	103.1	103.5
27.5°	1506.3	1291.1	770.0	392.9	217.4	138.7	116.3	106.6	100.8	98.5	99.5
30°	1626.8	1404.0	809.8	367.9	201.0	134.7	118.6	108.6	100.4	96.9	97.1
32.5°	1726.5	1503.0	843.1	349.8	186.5	115.5	102.3	97.9	96.9	92.8	90.6
35°	1854.0	1610.8	865.4	350.3	179.6	103.1	91.0	83.4	77.8	73.0	73.0
37.5°	2003.4	1734.6	889.3	355.0	177.2	95.9	87.2	79.5	74.3	69.8	68.9
40°	2151.3	1855.9	910.9	359.6	175.7	91.5	84.1	77.0	72.2	67.7	66.5
42.5°	2276.9	1955.7	930.5	361.8	170.7	91.0	81.7	75.4	70.8	65.8	64.5
45°	2369.9	2039.3	951.3	365.3	165.8	92.8	81.7	75.2	69.6	64.8	63.5
47.5°	2452.8	2137.5	986.3	365.3	159.8	89.6	84.5	75.4	69.4	64.3	63.3
50°	2564.0	2272.0	1052.5	356.9	151.3	86.3	89.0	74.5	67.5	63.5	62.3
52.5°	2717.2	2444.3	1157.7	342.2	138.3	79.9	88.4	74.1	65.6	61.5	60.0
55°	2898.3	2629.0	1272.3	325.0	118.8	75.4	85.3	73.0	63.5	59.0	57.6
57.5°	3039.7	2756.1	1353.2	298.5	101.9	72.8	75.6	72.0	61.1	56.3	55.0
60°	3096.0	2751.1	1375.3	263.1	93.6	70.8	66.0	60.7	59.0	54.2	52.8
62.5°	3065.6	2624.1	1313.2	238.2	91.7	68.1	61.9	74.7	57.4	52.8	50.7
65°	2925.0	2398.8	1148.6	231.6	97.1	65.4	59.2	58.6	55.0	50.7	48.7
67.5°	2618.9	2062.3	919.6	232.2	103.9	62.7	56.5	53.6	52.0	48.4	46.5
70°	2133.1	1630.5	685.6	233.9	107.4	59.6	53.6	50.5	48.7	45.1	43.9
72.5°	1568.4	1256.7	498.1	223.1	108.0	56.1	49.7	47.0	45.1	41.4	40.4
75°	1073.1	961.3	345.5	184.8	94.2	51.1	45.3	42.9	41.6	37.0	36.4
77.5°	783.9	721.6	221.1	137.3	72.6	44.9	40.0	38.1	37.2	32.3	31.5
80°	629.0	570.9	138.3	94.0	53.2	37.6	33.6	32.5	31.7	26.7	26.1
82.5°	436.4	382.3	88.8	61.1	40.0	29.2	26.5	26.1	24.9	20.3	19.6
85°	230.2	207.7	56.3	41.6	28.9	20.0	18.4	18.4	17.8	13.5	13.0
87.5°	29.4	47.8	28.5	21.7	16.0	8.9	8.9	8.7	9.3	7.7	6.6
90°	0.0	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 DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1
2.5°	1028.2	1038.1	1028.6	1029.2	1039.7	1071.2	1085.5	1097.3	1109.9	1118.2	1121.9
5°	745.2	768.3	776.2	792.8	817.2	857.3	873.3	884.9	892.5	897.1	899.0
7.5°	509.6	523.6	539.4	566.1	619.3	642.9	653.5	650.8	642.1	639.0	635.9
10°	384.2	378.6	375.7	390.4	433.4	457.3	464.7	457.5	452.7	453.8	458.9
12.5°	297.7	288.0	276.1	274.5	302.8	324.2	328.9	329.3	338.0	345.7	357.1
15°	217.0	215.9	210.1	206.5	222.7	240.1	242.1	245.9	253.8	259.3	269.3
17.5°	152.9	158.6	163.2	165.4	177.6	190.1	187.7	185.9	184.4	184.4	189.1
20°	123.4	127.1	132.9	139.5	151.9	160.6	155.1	147.6	142.2	140.6	141.2
22.5°	111.2	114.1	117.3	123.2	134.3	140.3	134.3	129.0	123.6	121.7	121.1
25°	105.0	108.6	111.8	116.1	124.4	128.6	122.8	118.8	115.5	113.2	111.6
27.5°	101.5	104.8	105.6	107.6	114.7	118.4	115.5	113.9	111.8	109.7	107.6
30°	97.7	97.1	95.6	95.9	101.5	105.2	105.0	105.4	105.2	104.5	104.1
32.5°	89.2	88.0	86.7	88.0	93.2	96.5	96.7	97.5	97.5	97.3	98.9
35°	74.3	76.6	78.1	81.7	88.0	90.8	89.6	87.6	83.9	81.5	81.3
37.5°	68.7	69.2	71.6	76.8	83.6	86.3	84.5	79.7	77.2	76.8	77.4
40°	66.0	66.5	67.9	72.6	79.5	82.1	80.5	77.0	74.7	74.5	75.6
42.5°	64.1	64.5	65.4	68.7	74.3	77.6	77.8	75.4	72.6	72.8	73.9
45°	63.1	63.3	63.1	64.8	70.0	73.9	75.6	73.9	71.6	72.0	73.2
47.5°	62.9	62.3	61.5	61.9	67.3	71.2	73.2	72.6	71.6	72.0	73.0
50°	62.1	60.7	59.6	59.4	64.8	68.9	70.8	70.8	71.2	72.0	73.0
52.5°	59.6	58.0	58.0	57.4	63.1	67.1	68.3	68.5	69.2	70.6	72.0
55°	56.5	55.9	56.5	55.4	61.9	65.6	66.3	66.7	67.1	68.3	70.4
57.5°	53.8	53.0	54.4	54.0	60.9	64.1	64.1	65.0	65.0	66.7	68.3
60°	52.4	50.7	51.4	51.8	59.4	62.9	62.5	63.3	63.7	65.2	66.5
62.5°	50.5	49.1	49.1	50.1	57.8	61.1	60.9	61.5	63.1	63.5	64.8
65°	48.2	47.6	47.0	48.2	56.1	59.0	59.2	60.0	61.5	61.9	62.9
67.5°	45.9	46.1	44.9	46.1	54.6	56.9	56.9	58.6	59.2	60.0	61.1
70°	43.5	43.7	42.7	44.1	53.6	54.6	54.4	56.7	57.1	57.8	58.8
72.5°	40.4	40.4	40.0	42.0	52.0	52.4	52.0	53.8	54.0	54.6	55.0
75°	37.0	37.0	36.6	39.5	50.9	49.9	48.7	50.1	50.5	50.9	50.9
77.5°	32.7	33.1	33.1	36.6	47.4	48.9	44.7	45.5	46.1	46.3	45.7
80°	27.3	28.3	28.7	33.3	39.8	45.1	40.0	40.6	40.8	40.8	40.0
82.5°	20.9	22.8	23.8	28.7	30.4	37.8	34.8	35.4	34.8	33.6	33.1
85°	14.5	17.0	18.2	21.9	23.0	29.2	28.9	28.9	27.7	26.1	25.9
87.5°	7.9	9.3	10.1	13.0	15.8	19.6	21.3	20.7	19.6	18.6	18.8
90°	0.0	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 DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1
2.5°	1141.4	1169.5	1214.4	1248.8	1283.4	1316.6	1352.8	1380.3	1403.6	1412.7	1440.5
5°	917.8	953.0	995.4	1072.1	1126.3	1186.1	1255.2	1346.7	1381.9	1430.5	1510.2
7.5°	649.0	680.8	749.1	811.0	887.8	972.4	1065.8	1192.0	1238.3	1316.2	1446.0
10°	484.6	521.6	576.4	628.6	696.3	782.9	890.1	1031.2	1087.3	1172.0	1321.4
12.5°	390.4	434.0	492.2	541.2	593.6	654.7	758.8	913.7	988.8	1062.9	1214.0
15°	299.9	345.7	399.7	462.0	519.8	585.5	694.7	864.0	950.5	1027.8	1156.7
17.5°	207.7	246.7	314.9	379.8	453.8	538.0	676.9	874.5	977.8	1066.8	1166.6
20°	147.2	169.5	225.5	300.7	392.9	498.7	673.5	930.1	1064.4	1166.0	1230.4
22.5°	123.8	132.1	164.6	233.7	340.1	469.2	685.2	1007.8	1181.1	1310.9	1332.0
25°	112.8	117.7	134.7	183.4	293.1	448.0	724.2	1123.8	1325.5	1455.8	1452.1
27.5°	106.8	112.0	123.2	154.9	257.7	434.7	763.4	1261.2	1490.7	1613.1	1566.8
30°	105.0	112.0	123.8	146.0	232.4	413.8	795.4	1381.9	1617.9	1719.3	1618.9
32.5°	103.5	104.5	109.9	125.8	208.5	389.3	817.2	1490.1	1742.3	1820.3	1694.0
35°	83.6	88.8	97.5	112.8	194.4	374.7	817.2	1583.5	1864.8	1922.3	1765.6
37.5°	80.5	85.1	92.8	105.8	186.5	367.4	800.9	1673.5	1990.0	2038.0	1824.6
40°	78.9	82.6	89.8	100.4	183.2	359.2	777.0	1753.0	2112.4	2153.9	1879.7
42.5°	77.6	80.9	87.8	97.1	178.8	350.1	757.8	1816.8	2218.6	2252.9	1932.3
45°	77.0	80.5	88.0	98.7	170.1	338.0	751.4	1885.7	2305.9	2335.5	1989.2
47.5°	77.0	81.1	89.0	102.3	159.8	325.6	771.5	1976.5	2388.5	2403.0	2056.2
50°	76.4	80.9	91.9	98.7	144.6	309.9	818.7	2091.0	2477.9	2479.5	2141.1
52.5°	75.2	80.5	98.9	96.7	127.3	289.2	882.4	2238.0	2610.2	2620.1	2274.0
55°	73.7	79.9	97.1	91.9	113.0	264.5	934.6	2416.6	2796.0	2823.5	2469.4
57.5°	71.8	79.1	94.0	85.3	103.7	232.8	953.4	2547.5	2925.8	2995.0	2689.6
60°	70.2	78.5	84.9	81.3	97.9	206.1	917.0	2521.6	2916.9	3066.0	2884.8
62.5°	68.5	79.1	77.4	78.9	95.2	188.9	821.7	2314.4	2769.3	2992.7	3029.6
65°	66.7	73.4	73.0	76.8	94.6	182.2	681.2	2003.7	2484.1	2761.0	3063.7
67.5°	64.1	67.9	70.0	74.1	96.7	176.2	549.7	1652.9	2087.7	2414.0	2885.7
70°	61.5	64.5	66.9	70.8	95.4	173.5	457.3	1303.4	1656.6	1978.5	2534.5
72.5°	58.0	60.7	62.7	66.5	94.2	172.1	386.3	1049.6	1236.7	1469.7	2060.6
75°	53.8	56.3	57.8	61.5	90.2	157.5	303.6	888.2	925.5	1022.3	1641.2
77.5°	49.1	50.9	52.2	56.3	79.9	131.0	219.6	685.2	718.7	742.3	1258.3
80°	43.5	45.3	45.9	49.9	66.3	102.5	143.2	506.1	537.6	543.0	821.7
82.5°	37.0	38.9	38.9	42.7	54.2	73.7	94.0	346.7	352.9	371.1	580.8
85°	29.8	31.3	31.3	33.1	42.0	55.0	64.5	174.1	172.3	196.6	503.2
87.5°	21.3	22.4	23.4	23.8	30.0	36.4	38.9	53.0	35.0	40.2	323.2
90°	0.0	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 DISTRIBUTION (continued):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1	1272.1
2.5°	1461.4	1473.2	1461.2	1452.5	1415.0	1384.2	1342.9	1321.9
5°	1570.8	1600.9	1590.8	1554.3	1476.1	1388.1	1288.1	1243.0
7.5°	1557.6	1627.4	1629.0	1560.9	1445.6	1316.0	1180.7	1116.6
10°	1454.5	1543.7	1569.2	1503.2	1380.9	1235.9	1080.7	1007.4
12.5°	1339.5	1426.8	1446.2	1423.5	1321.2	1175.7	1018.2	946.3
15°	1245.2	1284.4	1307.5	1327.5	1270.1	1151.7	1014.7	935.8
17.5°	1188.0	1183.6	1190.2	1224.8	1234.5	1179.3	1068.5	981.5
20°	1167.2	1100.8	1099.2	1146.7	1217.7	1244.8	1173.6	1069.3
22.5°	1178.6	1071.0	1057.3	1113.8	1226.6	1339.5	1311.5	1192.5
25°	1217.9	1073.5	1062.5	1117.2	1258.9	1440.2	1460.4	1351.8
27.5°	1279.8	1089.2	1074.7	1130.8	1301.8	1524.9	1606.9	1506.3
30°	1338.6	1116.6	1098.5	1157.7	1340.9	1558.5	1696.8	1626.8
32.5°	1410.0	1167.7	1136.0	1207.2	1389.4	1611.9	1776.9	1726.5
35°	1480.0	1240.5	1201.1	1283.6	1443.4	1678.3	1868.3	1854.0
37.5°	1556.8	1335.8	1303.2	1382.3	1517.2	1741.1	1985.0	2003.4
40°	1638.8	1462.0	1423.5	1526.3	1631.9	1819.7	2107.0	2151.3
42.5°	1721.3	1602.1	1556.2	1660.5	1758.0	1897.3	2211.3	2276.9
45°	1815.9	1754.3	1732.6	1845.3	1879.1	1971.2	2288.3	2369.9
47.5°	1926.1	1926.9	1961.9	2007.0	2001.2	2054.8	2365.8	2452.8
50°	2054.6	2142.4	2219.6	2249.6	2127.0	2144.6	2473.2	2564.0
52.5°	2209.1	2400.0	2495.7	2476.1	2262.7	2254.4	2643.3	2717.2
55°	2402.2	2672.9	2767.9	2753.9	2418.6	2403.8	2855.3	2898.3
57.5°	2625.7	2937.2	3024.6	2961.2	2605.7	2567.7	3030.6	3039.7
60°	2822.1	3146.7	3223.3	3153.1	2794.4	2742.2	3140.0	3096.0
62.5°	2931.5	3217.7	3271.5	3196.0	2923.8	2928.1	3164.1	3065.6
65°	2882.6	3038.3	3055.7	3049.4	2890.4	3036.0	3077.8	2925.0
67.5°	2615.2	2584.5	2613.7	2654.0	2604.8	2893.9	2838.7	2618.9
70°	2144.0	1975.7	2033.9	2061.0	2083.3	2490.4	2463.9	2133.1
72.5°	1615.8	1384.2	1430.1	1424.6	1528.0	1997.5	1916.1	1568.4
75°	1144.9	938.6	944.3	942.0	1066.2	1562.8	1387.4	1073.1
77.5°	801.1	680.0	683.1	695.9	716.8	1178.6	991.3	783.9
80°	550.9	516.1	533.3	534.3	496.7	791.8	732.3	629.0
82.5°	410.3	358.7	354.6	360.6	389.3	641.5	562.8	436.4
85°	335.9	212.4	170.7	214.0	345.0	635.3	373.8	230.2
87.5°	189.1	100.8	45.5	84.5	137.7	420.6	108.0	29.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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