

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: P200009

Luminaire Tested: **GWC-AF-01-LED-E1-SLR-7030-1200**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200009  
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-7030-1200  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA 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: 5927.3 lumens  
Efficiency: N/A  
Efficacy: 88.5 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 - G2

Input Watts (W): 67  
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

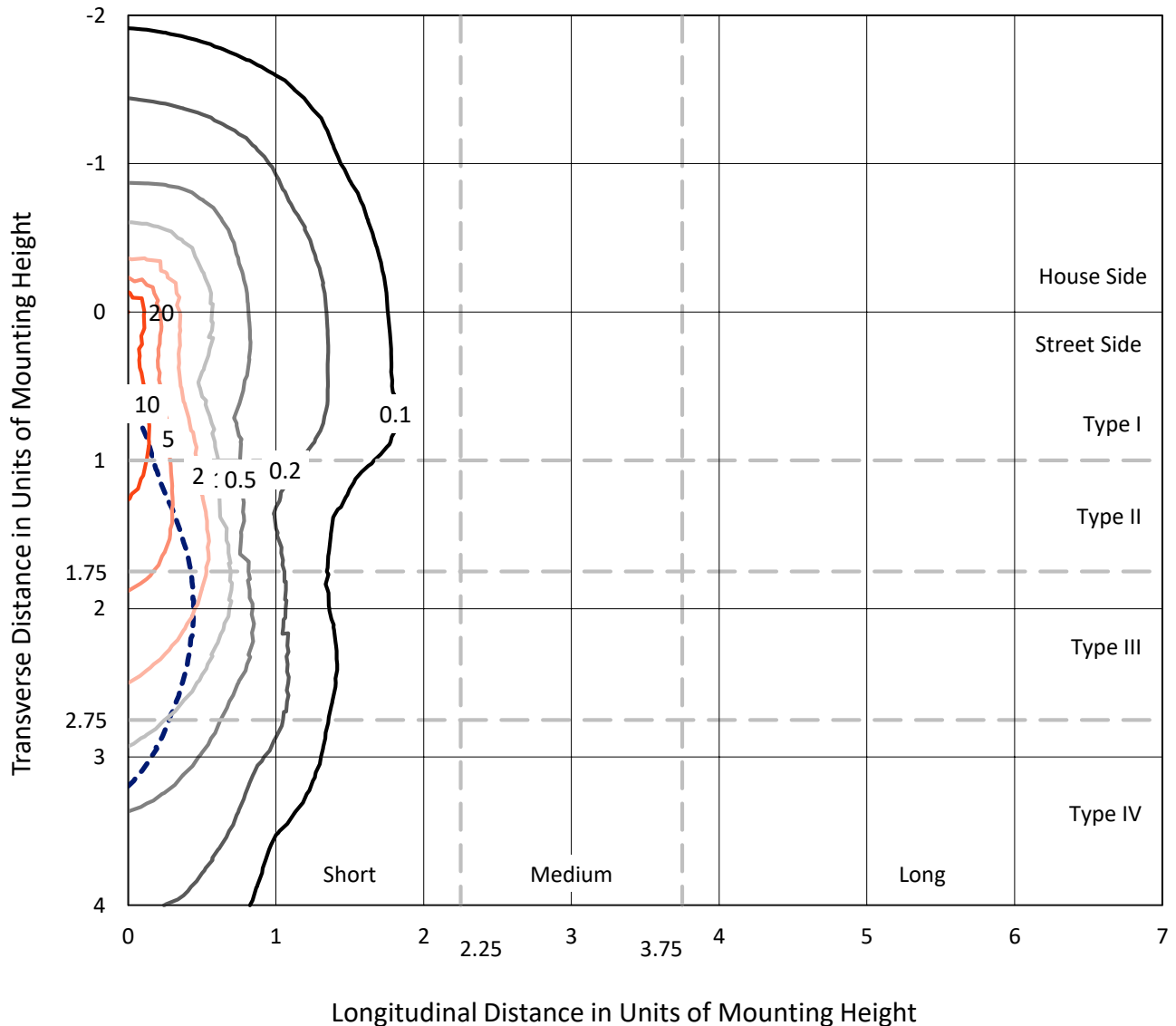


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### Iso-Footcandle Lines of Horizontal Illumination

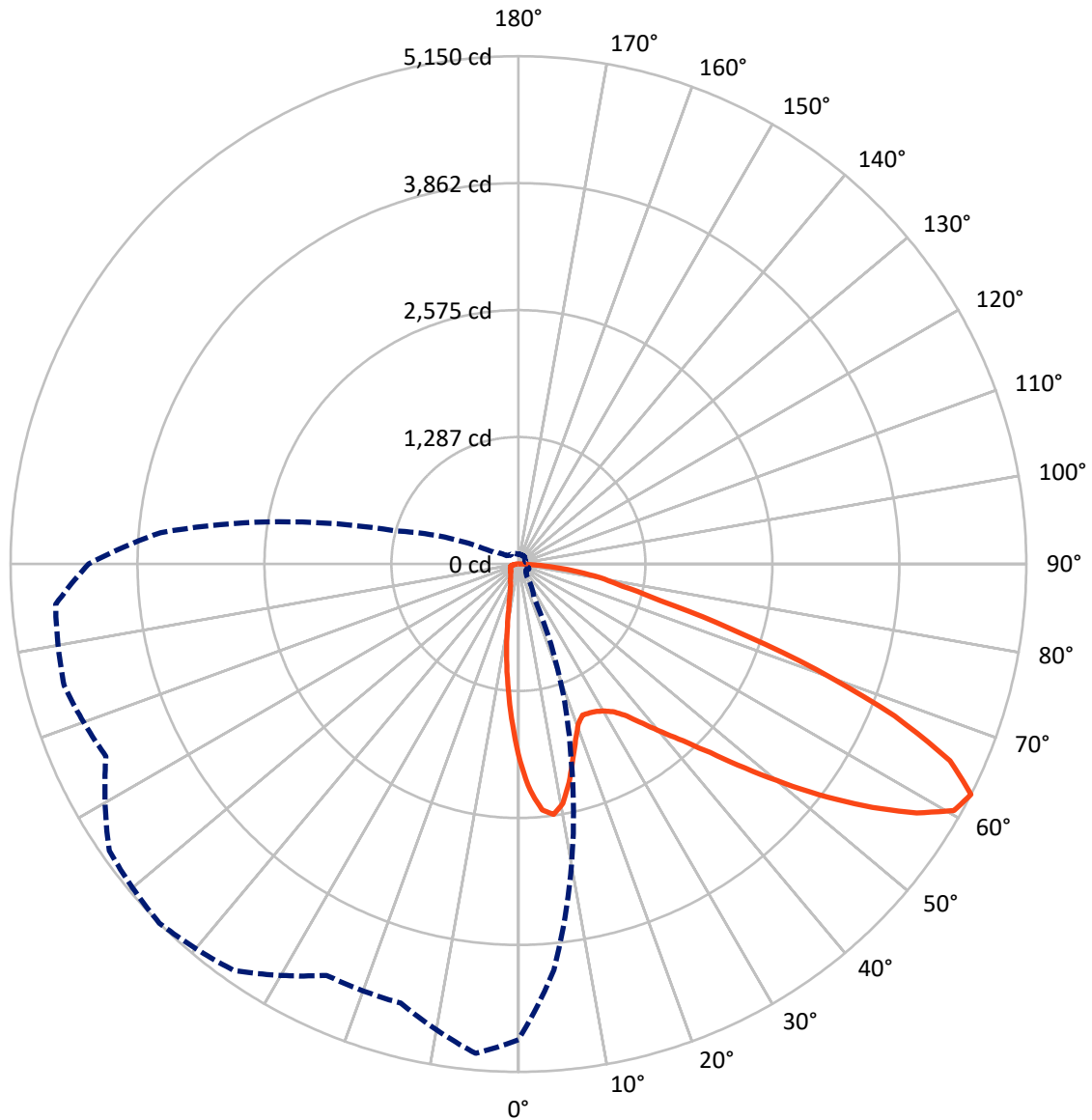
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20 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
<b>House Side</b>	Lumens	980.9	0.0	980.9
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	4946.4	0.0	4946.4
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	5927.3	0.0	5927.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.8	2.5
10°-20°	267.3	4.5
20°-30°	389.7	6.6
30°-40°	600.3	10.1
40°-50°	883.4	14.9
50°-60°	1295.8	21.9
60°-70°	1448.5	24.4
70°-80°	709.2	12.0
80°-90°	187.2	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°	5927.3	100.0
0°-180°	5927.3	100.0



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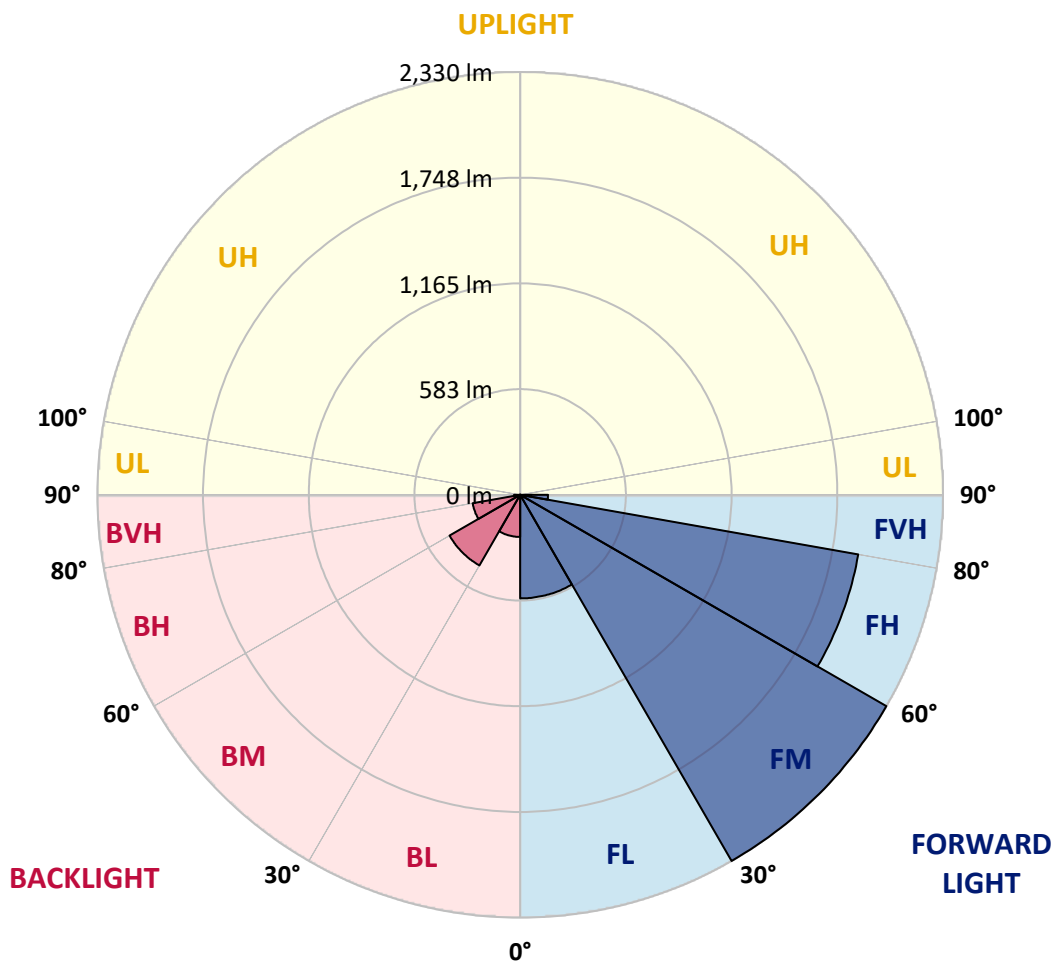
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	570.8	9.6			
FM (30°-60°)	2330.1	39.3			
FH (60°-80°)	1891.8	31.9			G2/5000
FVH (80°-90°)	153.8	2.6			G2/225
BL (0°-30°)	232.1	3.9	B1/500		
BM (30°-60°)	449.4	7.6	B1/1000		
BH (60°-80°)	265.9	4.5	B1/500		G1/500
BVH (80°-90°)	33.5	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-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6
2.5°	2080.8	2038.4	1968.0	1894.7	1850.1	1798.0	1757.2	1721.4	1649.7	1635.7	1648.4
5°	1956.7	1871.6	1739.0	1605.3	1516.4	1420.9	1346.6	1287.1	1196.2	1180.2	1199.3
7.5°	1757.6	1656.0	1480.6	1310.1	1184.4	1065.2	985.0	921.2	850.1	819.5	821.4
10°	1585.8	1471.1	1263.9	1078.5	975.5	895.1	827.6	762.1	690.1	642.9	629.9
12.5°	1489.8	1357.8	1119.0	953.4	857.9	773.2	700.6	630.5	553.6	505.4	491.6
15°	1473.2	1329.6	1064.5	873.2	753.7	646.5	560.7	482.6	403.3	364.3	356.1
17.5°	1545.2	1380.0	1046.9	801.9	655.5	523.3	418.0	330.7	266.1	246.7	245.1
20°	1683.2	1476.3	1044.6	734.8	558.8	403.7	291.2	227.8	199.4	193.8	194.2
22.5°	1877.1	1625.9	1072.6	684.3	469.9	301.1	218.9	190.6	179.5	174.3	174.3
25°	2128.1	1831.8	1137.2	647.5	392.7	240.5	193.2	176.2	165.8	162.2	162.9
27.5°	2371.0	2032.2	1212.1	618.4	342.1	218.3	183.1	167.8	158.7	155.1	156.7
30°	2560.7	2210.1	1274.6	579.0	316.5	212.1	186.8	171.1	158.0	152.5	152.9
32.5°	2717.8	2365.9	1327.1	550.6	293.6	181.8	160.9	154.2	152.5	146.0	142.7
35°	2918.6	2535.6	1362.4	551.3	282.9	162.2	143.3	131.3	122.5	115.0	115.0
37.5°	3153.8	2730.5	1399.8	558.8	278.9	150.9	137.2	125.1	117.0	109.8	108.5
40°	3386.4	2921.4	1434.0	566.0	276.7	144.0	132.3	121.2	113.7	106.5	104.6
42.5°	3584.1	3078.5	1464.6	569.6	268.8	143.3	128.7	118.6	111.5	103.6	101.6
45°	3730.4	3210.1	1497.5	575.1	261.0	146.0	128.7	118.3	109.5	101.9	100.1
47.5°	3861.1	3364.5	1552.6	575.1	251.6	141.1	133.0	118.6	109.2	101.3	99.8
50°	4036.0	3576.4	1656.8	561.7	238.1	135.9	140.1	117.4	106.2	100.1	98.2
52.5°	4277.2	3847.8	1822.3	538.6	217.7	125.7	139.1	116.7	103.2	96.8	94.5
55°	4562.3	4138.4	2002.9	511.6	187.1	118.6	134.3	115.0	100.1	92.9	90.5
57.5°	4784.9	4338.4	2130.0	469.9	160.3	114.7	119.0	113.4	96.1	88.6	86.7
60°	4873.5	4330.6	2164.9	414.1	147.3	111.5	103.9	127.1	92.9	85.3	83.0
62.5°	4825.6	4130.5	2067.0	375.1	144.3	107.2	97.5	117.7	90.2	83.0	79.9
65°	4604.3	3776.1	1808.0	364.6	152.9	102.9	93.2	92.3	86.7	79.9	76.6
67.5°	4122.5	3246.3	1447.6	365.6	163.6	98.8	88.9	84.3	81.8	76.3	73.3
70°	3357.7	2566.6	1079.2	368.2	169.2	93.9	84.3	79.5	76.6	71.0	69.1
72.5°	2468.8	1978.1	783.9	351.3	170.1	88.3	78.2	74.0	71.0	65.1	63.6
75°	1689.1	1513.1	543.8	290.9	148.3	80.6	71.3	67.4	65.4	58.4	57.4
77.5°	1234.0	1135.9	348.0	216.0	114.4	70.7	63.0	60.0	58.7	50.8	49.5
80°	990.2	898.6	217.7	147.9	83.7	59.3	52.8	51.2	49.8	42.1	41.1
82.5°	686.8	601.8	139.8	96.1	63.0	45.9	41.7	41.1	39.2	31.9	30.9
85°	362.3	326.8	88.6	65.4	45.7	31.5	29.0	29.0	28.0	21.2	20.5
87.5°	46.2	75.3	45.1	34.2	25.1	13.9	13.9	13.6	14.6	12.0	10.4
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°	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6
2.5°	1618.4	1634.1	1619.1	1620.0	1636.7	1686.2	1708.7	1727.3	1747.2	1760.1	1765.9
5°	1173.0	1209.5	1221.8	1248.0	1286.4	1349.6	1374.7	1392.9	1405.0	1412.1	1415.1
7.5°	802.2	824.4	849.2	891.1	974.9	1012.1	1028.6	1024.5	1010.7	1005.8	1001.0
10°	604.8	595.9	591.4	614.5	682.4	719.8	731.5	720.1	712.6	714.2	722.4
12.5°	468.5	453.2	434.7	432.0	476.7	510.2	517.8	518.4	532.1	544.1	562.0
15°	341.4	339.8	330.7	325.1	350.6	377.9	381.2	387.1	399.5	408.3	423.9
17.5°	240.8	249.5	256.8	260.4	279.6	299.2	295.5	292.6	290.3	290.3	297.8
20°	194.2	200.1	209.2	219.6	239.2	252.8	244.0	232.2	223.9	221.2	222.3
22.5°	175.0	179.5	184.7	193.8	211.4	220.9	211.4	203.0	194.5	191.6	190.6
25°	165.2	171.1	175.9	182.8	195.8	202.3	193.2	187.1	181.8	178.2	175.6
27.5°	159.6	164.9	166.2	169.5	180.5	186.4	181.8	179.1	175.9	172.7	169.5
30°	153.8	152.9	150.6	150.9	159.6	165.5	165.2	165.8	165.5	164.6	163.9
32.5°	140.4	138.4	136.6	138.4	146.6	151.9	152.2	153.5	153.5	153.2	155.7
35°	117.0	120.5	122.8	128.7	138.4	143.0	141.1	137.7	131.9	128.4	128.1
37.5°	108.1	108.8	112.7	120.8	131.6	135.9	133.0	125.4	121.5	120.8	121.9
40°	103.9	104.6	106.8	114.4	125.1	129.4	126.7	121.2	117.7	117.4	119.0
42.5°	100.9	101.6	102.9	108.1	117.0	122.2	122.5	118.6	114.4	114.7	116.4
45°	99.4	99.8	99.4	101.9	110.2	116.4	119.0	116.4	112.7	113.4	115.4
47.5°	99.1	98.2	96.8	97.5	105.9	112.1	115.4	114.4	112.7	113.4	115.0
50°	97.8	95.5	93.9	93.5	101.9	108.5	111.5	111.5	112.1	113.4	115.0
52.5°	93.9	91.2	91.2	90.2	99.4	105.6	107.5	107.8	108.8	111.1	113.4
55°	88.9	88.0	88.9	87.3	97.5	103.2	104.3	104.9	105.6	107.5	110.8
57.5°	84.6	83.4	85.7	85.0	95.8	100.9	100.9	102.2	102.2	104.9	107.5
60°	82.4	79.9	80.9	81.5	93.5	99.1	98.5	99.8	100.4	102.6	104.6
62.5°	79.5	77.2	77.2	78.8	90.9	96.1	95.8	96.8	99.4	100.1	101.9
65°	75.9	75.0	74.0	75.9	88.3	92.9	93.2	94.5	96.8	97.5	99.1
67.5°	72.3	72.6	70.7	72.6	86.0	89.6	89.6	92.3	93.2	94.5	96.1
70°	68.4	68.8	67.0	69.4	84.3	86.0	85.7	89.3	89.9	90.9	92.6
72.5°	63.6	63.6	63.0	66.1	81.8	82.4	81.8	84.6	85.0	86.0	86.7
75°	58.4	58.4	57.7	62.3	80.2	78.5	76.6	78.8	79.5	80.2	80.2
77.5°	51.5	52.1	52.1	57.7	74.7	76.9	70.4	71.7	72.6	72.9	72.0
80°	43.0	44.7	45.4	52.5	62.6	71.0	63.0	63.9	64.1	64.1	63.0
82.5°	32.9	35.8	37.4	45.4	47.8	59.6	54.7	55.7	54.7	52.8	52.1
85°	22.8	26.8	28.6	34.5	36.2	45.9	45.7	45.7	43.7	41.1	40.8
87.5°	12.3	14.6	16.0	20.5	24.8	30.9	33.6	32.6	30.9	29.3	29.6
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):**

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6
2.5°	1796.7	1840.9	1911.7	1965.8	2020.2	2072.6	2129.4	2172.6	2209.4	2223.8	2267.4
5°	1444.7	1500.1	1566.9	1687.5	1772.8	1867.0	1975.9	2119.8	2175.3	2251.9	2377.3
7.5°	1021.5	1071.7	1179.2	1276.5	1397.5	1530.7	1677.6	1876.4	1949.0	2072.0	2276.3
10°	762.7	821.1	907.4	989.6	1096.1	1232.3	1401.0	1623.3	1711.5	1844.9	2080.1
12.5°	614.5	683.3	774.8	852.0	934.5	1030.7	1194.5	1438.2	1556.5	1673.2	1911.1
15°	472.1	544.1	629.3	727.2	818.2	921.8	1093.4	1360.1	1496.2	1617.8	1820.8
17.5°	326.8	388.4	495.6	597.8	714.2	846.9	1065.5	1376.6	1539.3	1679.4	1836.4
20°	231.6	266.8	354.9	473.4	618.4	784.9	1060.3	1464.0	1675.4	1835.4	1936.7
22.5°	194.8	207.9	259.1	367.8	535.4	738.7	1078.5	1586.5	1859.1	2063.5	2096.6
25°	177.5	185.4	212.1	288.7	461.4	705.0	1140.1	1768.9	2086.7	2291.6	2285.7
27.5°	168.2	176.2	193.8	243.7	405.7	684.3	1201.7	1985.4	2346.7	2539.1	2466.2
30°	165.2	176.2	194.8	229.7	365.9	651.3	1252.2	2175.3	2546.8	2706.4	2548.4
32.5°	162.9	164.6	173.0	198.1	328.1	613.0	1286.4	2345.7	2742.5	2865.4	2666.6
35°	131.6	139.8	153.5	177.5	305.9	589.8	1286.4	2492.6	2935.5	3026.1	2779.3
37.5°	126.7	134.0	146.0	166.5	293.6	578.3	1260.7	2634.3	3132.6	3208.2	2872.2
40°	124.1	130.0	141.4	158.0	288.3	565.3	1223.1	2759.5	3325.1	3390.7	2958.8
42.5°	122.2	127.4	138.1	152.9	281.6	551.0	1192.9	2859.9	3492.3	3546.3	3041.7
45°	121.2	126.7	138.4	155.4	267.8	532.1	1182.7	2968.3	3629.8	3676.3	3131.3
47.5°	121.2	127.8	140.1	160.9	251.6	512.5	1214.4	3111.3	3759.8	3782.5	3236.8
50°	120.1	127.4	144.7	155.4	227.8	487.8	1288.7	3291.6	3900.5	3903.2	3370.4
52.5°	118.3	126.7	155.7	152.2	200.4	455.2	1389.0	3522.8	4108.7	4124.4	3579.6
55°	116.1	125.7	152.9	144.7	177.9	416.4	1471.1	3804.1	4401.3	4444.6	3887.2
57.5°	113.1	124.4	147.9	134.3	163.3	366.6	1500.7	4010.1	4605.6	4714.4	4233.9
60°	110.5	123.5	133.7	128.1	154.2	324.5	1443.5	3969.3	4591.6	4826.2	4541.2
62.5°	107.8	124.4	121.9	124.1	149.9	297.5	1293.5	3643.1	4359.3	4710.9	4768.8
65°	104.9	115.7	115.0	120.8	148.9	286.7	1072.3	3154.1	3910.3	4346.4	4822.6
67.5°	100.9	106.8	110.2	116.7	152.2	277.3	865.5	2601.8	3286.3	3799.8	4542.5
70°	96.8	101.6	105.2	111.5	150.2	273.0	719.8	2051.8	2607.7	3114.3	3989.5
72.5°	91.2	95.5	98.8	104.6	148.3	270.8	608.0	1652.3	1946.9	2313.4	3243.7
75°	84.6	88.6	90.9	96.8	142.0	247.9	478.0	1398.2	1456.8	1609.3	2583.6
77.5°	77.2	80.2	82.2	88.6	125.7	206.3	345.7	1078.5	1131.3	1168.4	1980.8
80°	68.4	71.3	72.3	78.5	104.3	161.2	225.5	796.6	846.2	854.6	1293.5
82.5°	58.4	61.3	61.3	67.0	85.3	116.1	147.9	545.8	555.6	584.2	914.3
85°	46.9	49.1	49.1	52.1	66.1	86.7	101.6	274.0	271.1	309.5	792.1
87.5°	33.6	35.2	36.8	37.4	47.2	57.4	61.3	83.4	55.0	63.3	508.6
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):**

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6	2002.6
2.5°	2300.4	2318.9	2300.0	2286.4	2227.4	2178.8	2113.9	2080.8
5°	2472.7	2519.9	2504.0	2446.7	2323.5	2185.0	2027.7	1956.7
7.5°	2451.9	2561.7	2564.4	2457.1	2275.7	2071.7	1858.5	1757.6
10°	2289.6	2430.0	2470.2	2366.2	2173.6	1945.6	1701.1	1585.8
12.5°	2108.4	2246.0	2276.6	2240.8	2079.8	1850.8	1602.8	1489.8
15°	1960.2	2021.9	2058.3	2089.6	1999.3	1812.9	1597.3	1473.2
17.5°	1870.0	1863.1	1873.6	1928.0	1943.2	1856.4	1681.9	1545.2
20°	1837.4	1732.8	1730.1	1805.1	1916.9	1959.6	1847.5	1683.2
22.5°	1855.3	1685.9	1664.3	1753.3	1930.8	2108.4	2064.5	1877.1
25°	1917.2	1689.8	1672.5	1758.5	1981.8	2267.1	2298.7	2128.1
27.5°	2014.6	1714.5	1691.8	1780.1	2049.1	2400.4	2529.5	2371.0
30°	2107.2	1757.6	1729.2	1822.3	2110.8	2453.2	2670.9	2560.7
32.5°	2219.6	1838.1	1788.1	1900.2	2187.0	2537.2	2796.9	2717.8
35°	2329.7	1952.7	1890.8	2020.5	2272.0	2641.9	2940.9	2918.6
37.5°	2450.5	2102.5	2051.5	2175.9	2388.3	2740.5	3124.7	3153.8
40°	2579.6	2301.3	2240.8	2402.7	2568.9	2864.3	3316.7	3386.4
42.5°	2709.6	2521.9	2449.6	2613.8	2767.3	2986.6	3480.9	3584.1
45°	2858.5	2761.4	2727.2	2904.7	2957.8	3102.9	3602.1	3730.4
47.5°	3031.8	3033.1	3088.2	3159.2	3150.2	3234.5	3724.0	3861.1
50°	3234.2	3372.4	3493.9	3541.1	3348.2	3376.0	3893.0	4036.0
52.5°	3477.2	3778.0	3928.5	3897.6	3561.7	3548.6	4160.9	4277.2
55°	3781.3	4207.5	4357.0	4334.9	3807.0	3783.8	4494.5	4562.3
57.5°	4133.2	4623.6	4761.1	4661.3	4101.6	4041.9	4770.5	4784.9
60°	4442.4	4953.3	5073.9	4963.4	4398.8	4316.7	4942.9	4873.5
62.5°	4614.4	5065.0	5149.8	5030.9	4602.4	4609.2	4980.7	4825.6
65°	4537.5	4782.6	4809.9	4800.2	4549.9	4779.0	4844.8	4604.3
67.5°	4116.6	4068.4	4114.2	4177.8	4100.3	4555.4	4468.4	4122.5
70°	3375.0	3110.1	3201.7	3244.4	3279.5	3920.1	3878.3	3357.7
72.5°	2543.4	2178.8	2251.2	2242.3	2405.4	3144.3	3016.2	2468.8
75°	1802.2	1477.3	1486.5	1482.8	1678.3	2460.1	2184.1	1689.1
77.5°	1261.0	1070.4	1075.2	1095.5	1128.3	1855.3	1560.4	1234.0
80°	867.1	812.4	839.3	841.0	782.0	1246.3	1152.8	990.2
82.5°	645.8	564.7	558.2	567.6	613.0	1009.8	886.0	686.8
85°	528.9	334.4	268.8	336.9	543.1	999.9	588.5	362.3
87.5°	297.8	158.7	71.7	133.0	216.7	662.1	170.1	46.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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