

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: P200007

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200007  
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  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA 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: 5404 lumens  
Efficiency: N/A  
Efficacy: 91.6 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

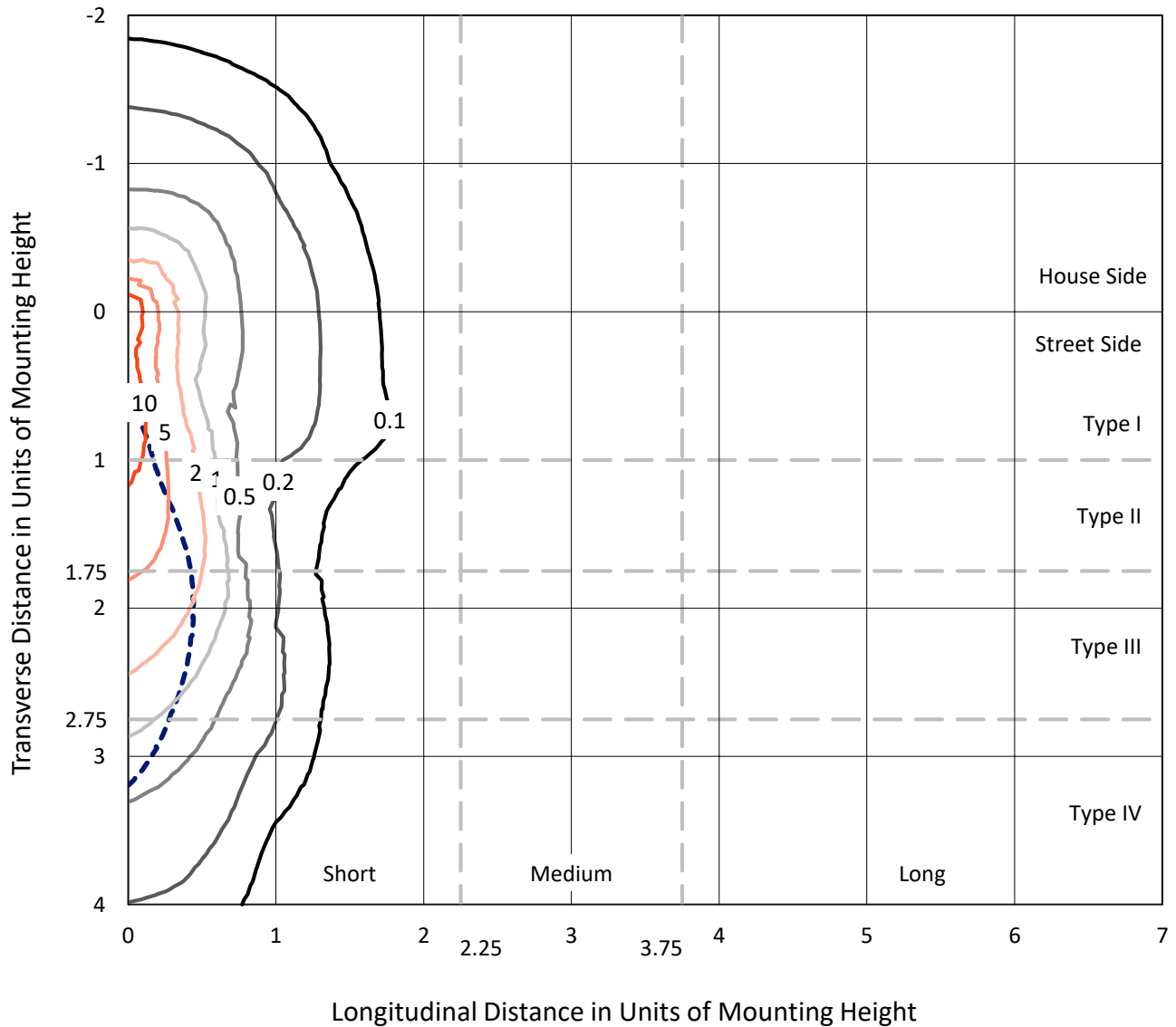
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

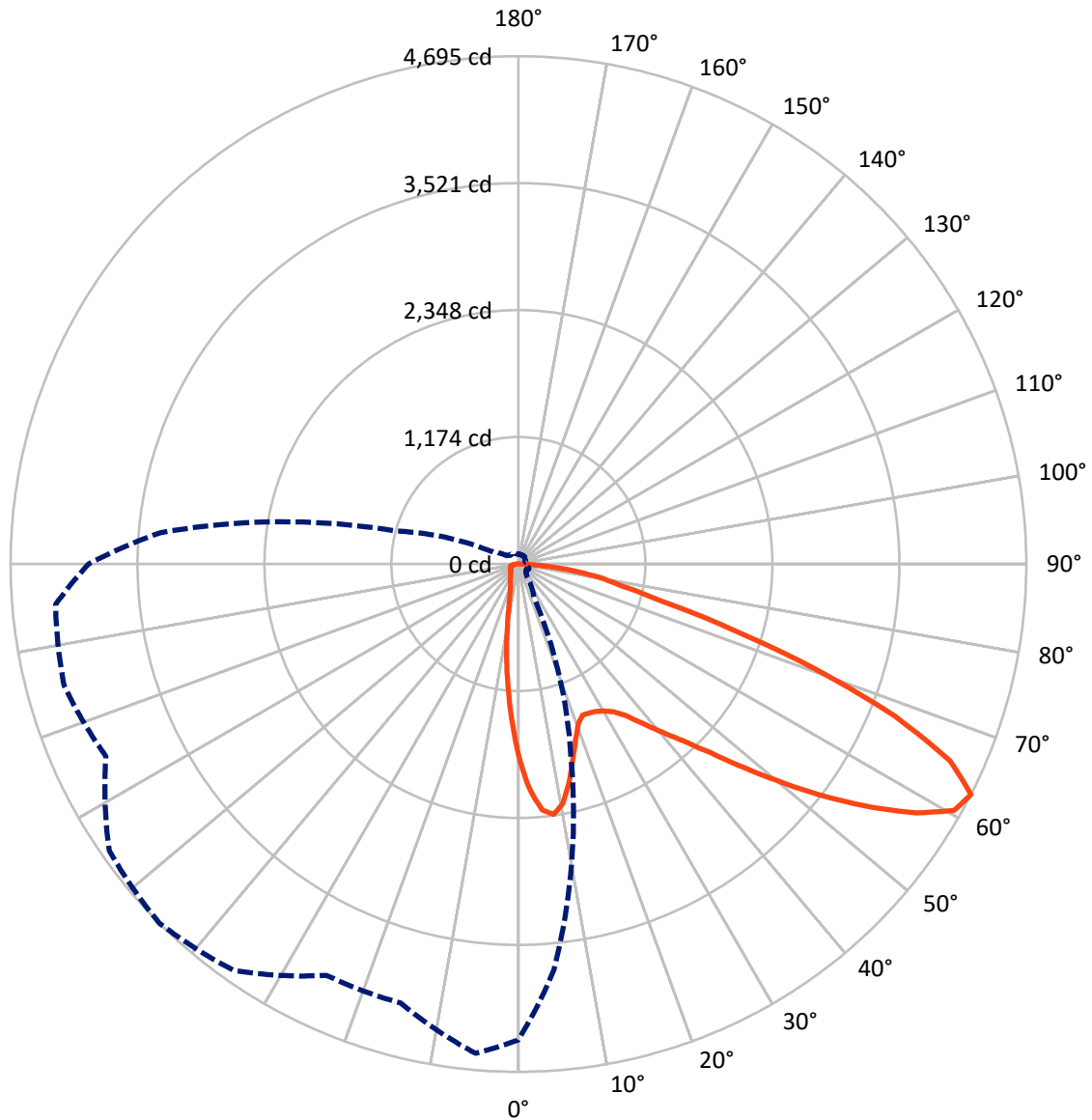
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.3 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	894.3	0.0	894.3
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	4509.7	0.0	4509.7
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	5404.0	0.0	5404.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.9	2.5
10°-20°	243.7	4.5
20°-30°	355.3	6.6
30°-40°	547.3	10.1
40°-50°	805.4	14.9
50°-60°	1181.4	21.9
60°-70°	1320.6	24.4
70°-80°	646.6	12.0
80°-90°	170.7	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°	5404.0	100.0
0°-180°	5404.0	100.0



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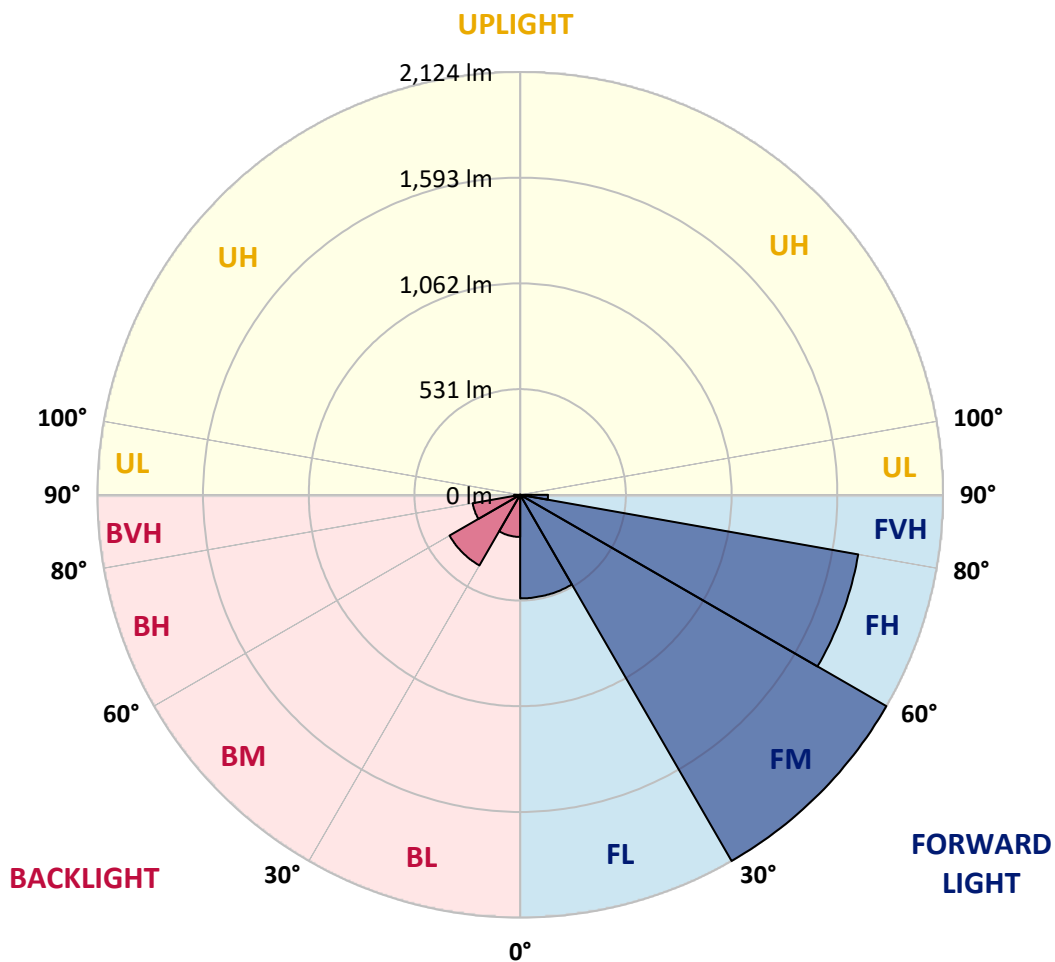
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	520.4	9.6			
FM	(30°-60°)	2124.3	39.3			
FH	(60°-80°)	1724.8	31.9			G1/1800
FVH	(80°-90°)	140.2	2.6			G2/225
BL	(0°-30°)	211.6	3.9	B1/500		
BM	(30°-60°)	409.8	7.6	B1/1000		
BH	(60°-80°)	242.4	4.5	B1/500		G1/500
BVH	(80°-90°)	30.5	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°	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7
2.5°	1897.1	1858.4	1794.2	1727.4	1686.8	1639.2	1602.1	1569.4	1504.1	1491.3	1502.9
5°	1783.8	1706.3	1585.5	1463.6	1382.5	1295.5	1227.7	1173.5	1090.5	1075.9	1093.4
7.5°	1602.4	1509.6	1349.9	1194.5	1079.8	971.1	898.0	839.7	775.0	747.2	748.9
10°	1445.8	1341.2	1152.3	983.4	889.4	816.0	754.6	694.8	629.3	586.0	574.2
12.5°	1358.2	1237.9	1020.2	869.1	782.2	704.9	638.7	574.8	504.7	460.7	448.3
15°	1343.1	1212.3	970.6	796.2	687.1	589.4	511.3	440.0	367.7	332.1	324.7
17.5°	1408.7	1258.0	954.5	731.1	597.6	477.1	381.1	301.5	242.7	224.8	223.4
20°	1534.6	1346.0	952.4	669.9	509.4	368.1	265.6	207.6	181.8	176.8	177.0
22.5°	1711.3	1482.3	978.0	623.9	428.4	274.5	199.6	173.8	163.7	159.0	159.0
25°	1940.1	1670.1	1036.8	590.2	358.0	219.3	176.1	160.7	151.3	147.9	148.5
27.5°	2161.7	1852.8	1105.0	563.8	311.9	199.1	166.9	153.0	144.7	141.4	142.9
30°	2334.7	2015.0	1162.1	527.8	288.5	193.4	170.2	155.9	144.1	139.0	139.3
32.5°	2477.8	2157.0	1209.9	502.0	267.6	165.7	146.7	140.5	139.0	133.1	130.1
35°	2660.8	2311.7	1242.1	502.6	257.9	147.9	130.7	119.7	111.7	104.9	104.9
37.5°	2875.2	2489.4	1276.1	509.4	254.2	137.5	125.1	114.0	106.6	100.1	98.9
40°	3087.3	2663.5	1307.4	516.0	252.2	131.3	120.6	110.5	103.7	97.1	95.4
42.5°	3267.7	2806.7	1335.2	519.3	245.1	130.7	117.4	108.1	101.6	94.5	92.7
45°	3401.0	2926.6	1365.3	524.3	237.9	133.1	117.4	107.8	99.9	93.0	91.2
47.5°	3520.3	3067.5	1415.5	524.3	229.3	128.6	121.2	108.1	99.5	92.5	90.9
50°	3679.8	3260.6	1510.6	512.1	217.2	123.9	127.8	107.0	96.8	91.2	89.4
52.5°	3899.6	3508.0	1661.5	491.0	198.5	114.6	126.8	106.3	94.2	88.3	86.1
55°	4159.5	3773.0	1826.0	466.4	170.6	108.1	122.4	104.9	91.2	84.6	82.6
57.5°	4362.4	3955.4	1941.9	428.4	146.2	104.6	108.3	103.4	87.6	80.9	79.0
60°	4443.1	3948.3	1973.7	377.6	134.3	101.6	94.7	115.9	84.6	77.8	75.7
62.5°	4399.6	3765.8	1884.6	341.9	131.5	97.8	88.8	107.3	82.3	75.7	72.7
65°	4197.8	3442.6	1648.4	332.3	139.3	93.9	85.0	84.0	79.0	72.7	69.8
67.5°	3758.4	2959.7	1319.9	333.3	149.1	90.0	81.1	76.9	74.6	69.5	66.8
70°	3061.2	2340.0	983.9	335.7	154.2	85.5	76.9	72.4	69.8	64.8	63.0
72.5°	2250.8	1803.5	714.8	320.2	155.0	80.6	71.3	67.4	64.8	59.4	57.9
75°	1540.0	1379.5	495.8	265.3	135.2	73.4	65.0	61.5	59.6	53.2	52.3
77.5°	1125.0	1035.6	317.3	197.0	104.3	64.5	57.4	54.6	53.4	46.3	45.2
80°	902.8	819.3	198.5	134.8	76.4	54.1	48.1	46.7	45.5	38.4	37.4
82.5°	626.2	548.7	127.4	87.6	57.4	41.8	38.0	37.4	35.6	29.1	28.2
85°	330.3	297.9	80.9	59.6	41.6	28.9	26.4	26.4	25.5	19.3	18.7
87.5°	42.2	68.7	41.0	31.1	22.8	12.8	12.8	12.4	13.3	11.0	9.5
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°	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7
2.5°	1475.5	1489.8	1476.1	1476.9	1492.2	1537.3	1557.8	1574.8	1592.9	1604.7	1610.1
5°	1069.4	1102.7	1114.0	1137.7	1172.8	1230.5	1253.3	1269.9	1280.9	1287.5	1290.2
7.5°	731.4	751.6	774.1	812.5	888.9	922.7	937.9	933.9	921.5	917.0	912.6
10°	551.3	543.3	539.2	560.3	622.0	656.2	666.9	656.5	649.6	651.1	658.7
12.5°	427.2	413.2	396.3	393.9	434.7	465.2	472.0	472.6	485.1	496.1	512.4
15°	311.3	309.9	301.5	296.4	319.7	344.6	347.6	352.9	364.2	372.2	386.4
17.5°	219.5	227.6	234.1	237.3	254.9	272.7	269.5	266.8	264.7	264.7	271.5
20°	177.0	182.4	190.7	200.3	218.1	230.5	222.5	211.9	204.1	201.7	202.5
22.5°	159.5	163.7	168.5	176.8	192.9	201.4	192.9	185.0	177.3	174.7	173.8
25°	150.6	155.9	160.4	166.6	178.5	184.4	176.1	170.6	165.7	162.5	160.1
27.5°	145.6	150.3	151.6	154.5	164.6	169.9	165.7	163.4	160.4	157.5	154.5
30°	140.2	139.3	137.2	137.5	145.6	150.9	150.6	151.3	150.9	150.0	149.4
32.5°	128.1	126.3	124.4	126.3	133.7	138.4	138.8	140.0	140.0	139.7	142.0
35°	106.6	110.0	112.0	117.4	126.3	130.4	128.6	125.6	120.3	117.0	116.8
37.5°	98.7	99.2	102.8	110.3	119.9	123.9	121.2	114.4	110.8	110.3	111.1
40°	94.7	95.4	97.5	104.3	114.0	117.9	115.6	110.5	107.3	107.0	108.3
42.5°	92.1	92.7	93.9	98.7	106.6	111.5	111.7	108.1	104.3	104.6	106.1
45°	90.5	90.9	90.5	93.0	100.4	106.1	108.3	106.1	102.8	103.4	105.1
47.5°	90.3	89.4	88.3	88.8	96.5	102.1	105.1	104.3	102.8	103.4	104.9
50°	89.1	87.1	85.5	85.2	93.0	98.9	101.6	101.6	102.1	103.4	104.9
52.5°	85.5	83.1	83.1	82.3	90.5	96.2	98.0	98.4	99.2	101.3	103.4
55°	81.1	80.2	81.1	79.6	88.8	94.2	95.0	95.6	96.2	98.0	100.9
57.5°	77.2	76.1	78.1	77.6	87.3	92.1	92.1	93.3	93.3	95.6	98.0
60°	75.2	72.7	73.6	74.3	85.2	90.3	89.7	90.9	91.4	93.5	95.4
62.5°	72.4	70.4	70.4	71.9	82.9	87.6	87.3	88.3	90.5	91.2	93.0
65°	69.2	68.3	67.4	69.2	80.6	84.6	85.0	86.1	88.3	88.8	90.3
67.5°	66.0	66.2	64.5	66.2	78.4	81.7	81.7	84.0	85.0	86.1	87.6
70°	62.4	62.8	61.1	63.3	76.9	78.4	78.1	81.4	82.0	82.9	84.3
72.5°	57.9	57.9	57.4	60.3	74.6	75.2	74.6	77.2	77.6	78.4	79.0
75°	53.2	53.2	52.6	56.7	73.1	71.6	69.8	71.9	72.4	73.1	73.1
77.5°	47.0	47.5	47.5	52.6	68.1	70.2	64.1	65.3	66.2	66.5	65.7
80°	39.3	40.7	41.3	47.8	57.1	64.8	57.4	58.2	58.6	58.6	57.4
82.5°	30.0	32.7	34.2	41.3	43.7	54.4	49.9	50.8	49.9	48.1	47.5
85°	20.8	24.4	26.1	31.4	33.0	41.8	41.6	41.6	39.8	37.4	37.1
87.5°	11.3	13.3	14.5	18.7	22.6	28.2	30.6	29.7	28.2	26.8	27.0
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°	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7
2.5°	1638.1	1678.4	1742.9	1792.2	1841.8	1889.6	1941.3	1980.9	2014.4	2027.5	2067.3
5°	1317.2	1367.7	1428.6	1538.5	1616.3	1702.2	1801.3	1932.7	1983.2	2053.0	2167.3
7.5°	931.3	977.0	1075.1	1163.9	1274.1	1395.6	1529.6	1710.8	1777.0	1889.0	2075.3
10°	695.4	748.7	827.3	902.2	999.2	1123.5	1277.4	1479.9	1560.4	1681.9	1896.4
12.5°	560.3	622.9	706.5	776.9	852.0	939.6	1089.0	1311.2	1419.1	1525.4	1742.2
15°	430.5	496.1	573.6	663.1	745.9	840.4	997.0	1240.0	1364.1	1474.9	1659.9
17.5°	297.9	354.1	451.8	545.1	651.1	772.0	971.5	1255.1	1403.3	1531.0	1674.3
20°	211.2	243.3	323.5	431.7	563.8	715.6	966.6	1334.7	1527.5	1673.3	1765.7
22.5°	177.6	189.6	236.2	335.4	488.1	673.5	983.4	1446.4	1695.0	1881.3	1911.6
25°	161.9	169.1	193.4	263.2	420.6	642.9	1039.4	1612.7	1902.4	2089.2	2083.9
27.5°	153.3	160.7	176.8	222.3	369.9	623.9	1095.6	1810.0	2139.4	2314.9	2248.4
30°	150.6	160.7	177.6	209.4	333.6	593.9	1141.6	1983.2	2321.9	2467.4	2323.3
32.5°	148.5	150.0	157.8	180.6	299.2	558.8	1172.8	2138.5	2500.4	2612.4	2431.1
35°	119.9	127.4	140.0	161.9	278.9	537.7	1172.8	2272.5	2676.2	2758.8	2533.9
37.5°	115.6	122.1	133.1	151.8	267.6	527.2	1149.3	2401.7	2855.9	2924.9	2618.6
40°	113.2	118.5	128.9	144.1	262.9	515.3	1115.2	2515.8	3031.5	3091.3	2697.6
42.5°	111.5	116.2	125.9	139.3	256.6	502.4	1087.5	2607.4	3184.0	3233.2	2773.1
45°	110.5	115.6	126.3	141.7	244.2	485.1	1078.4	2706.3	3309.3	3351.7	2854.7
47.5°	110.5	116.5	127.8	146.7	229.3	467.3	1107.2	2836.7	3427.8	3448.7	2951.0
50°	109.6	116.2	131.8	141.7	207.6	444.6	1174.9	3001.0	3556.2	3558.5	3072.8
52.5°	107.8	115.6	142.0	138.8	182.7	414.9	1266.5	3211.9	3746.0	3760.2	3263.6
55°	105.8	114.6	139.3	131.8	162.2	379.6	1341.2	3468.2	4012.8	4052.2	3544.0
57.5°	103.0	113.5	134.8	122.4	148.8	334.3	1368.3	3656.0	4199.0	4298.3	3860.0
60°	100.7	112.5	121.9	116.8	140.5	295.9	1316.0	3618.7	4186.2	4400.1	4140.2
62.5°	98.4	113.5	111.1	113.2	136.7	271.2	1179.4	3321.5	3974.5	4295.0	4347.9
65°	95.6	105.4	104.9	110.3	135.8	261.4	977.7	2875.6	3565.0	3962.5	4396.8
67.5°	92.1	97.5	100.4	106.3	138.8	252.8	789.0	2372.0	2996.2	3464.4	4141.4
70°	88.3	92.7	95.9	101.6	136.9	248.9	656.2	1870.6	2377.4	2839.3	3637.2
72.5°	83.1	87.1	90.0	95.4	135.2	246.8	554.3	1506.3	1774.9	2109.1	2957.2
75°	77.2	80.9	82.9	88.3	129.5	226.0	435.8	1274.7	1328.1	1467.3	2355.4
77.5°	70.4	73.1	74.9	80.9	114.6	188.0	315.2	983.4	1031.4	1065.3	1805.8
80°	62.4	65.0	66.0	71.6	95.0	147.1	205.5	726.3	771.5	779.2	1179.4
82.5°	53.2	55.8	55.8	61.1	77.8	105.8	134.8	497.5	506.5	532.6	833.5
85°	42.8	44.9	44.9	47.5	60.3	79.0	92.7	249.8	247.2	282.2	722.2
87.5°	30.6	32.1	33.6	34.2	43.0	52.3	55.8	76.1	50.1	57.6	463.7
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°	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7	1825.7
2.5°	2097.2	2114.1	2097.0	2084.4	2030.7	1986.5	1927.4	1897.1
5°	2254.4	2297.5	2283.0	2230.6	2118.3	1992.2	1848.6	1783.8
7.5°	2235.5	2335.5	2337.9	2240.2	2074.8	1888.8	1694.5	1602.4
10°	2087.5	2215.4	2252.1	2157.4	1981.8	1773.8	1550.9	1445.8
12.5°	1922.3	2047.6	2075.6	2042.9	1896.2	1687.3	1461.3	1358.2
15°	1787.2	1843.3	1876.5	1905.1	1822.8	1652.9	1456.2	1343.1
17.5°	1704.9	1698.7	1708.2	1757.8	1771.6	1692.3	1533.5	1408.7
20°	1675.2	1579.8	1577.3	1645.8	1747.6	1786.5	1684.3	1534.6
22.5°	1691.5	1537.0	1517.4	1598.5	1760.3	1922.3	1882.2	1711.3
25°	1747.9	1540.5	1524.8	1603.3	1806.7	2066.9	2095.8	1940.1
27.5°	1836.7	1563.2	1542.3	1622.8	1868.3	2188.5	2306.1	2161.7
30°	1921.1	1602.4	1576.5	1661.5	1924.4	2236.5	2435.1	2334.7
32.5°	2023.6	1675.7	1630.2	1732.6	1993.9	2313.2	2550.0	2477.8
35°	2124.0	1780.3	1723.9	1842.1	2071.4	2408.6	2681.3	2660.8
37.5°	2234.3	1917.0	1870.3	1983.8	2177.4	2498.6	2848.8	2875.2
40°	2351.8	2098.1	2042.9	2190.5	2342.1	2611.6	3023.9	3087.3
42.5°	2470.4	2299.3	2233.4	2383.1	2522.9	2722.8	3173.6	3267.7
45°	2606.2	2517.7	2486.4	2648.3	2696.7	2828.9	3284.0	3401.0
47.5°	2764.2	2765.4	2815.6	2880.3	2872.0	2948.9	3395.1	3520.3
50°	2948.7	3074.5	3185.5	3228.5	3052.6	3077.9	3549.3	3679.8
52.5°	3170.2	3444.4	3581.7	3553.4	3247.1	3235.2	3793.5	3899.6
55°	3447.4	3836.0	3972.3	3952.1	3470.8	3449.8	4097.7	4159.5
57.5°	3768.3	4215.3	4340.7	4249.7	3739.4	3685.1	4349.3	4362.4
60°	4050.1	4515.9	4625.8	4525.2	4010.4	3935.5	4506.4	4443.1
62.5°	4207.0	4617.9	4695.1	4586.7	4196.0	4202.2	4541.0	4399.6
65°	4136.9	4360.3	4385.2	4376.4	4148.1	4357.0	4417.1	4197.8
67.5°	3753.0	3709.2	3751.0	3809.0	3738.2	4153.3	4074.0	3758.4
70°	3077.0	2835.5	2919.0	2957.8	2990.0	3574.0	3535.9	3061.2
72.5°	2318.9	1986.5	2052.4	2044.4	2193.0	2866.6	2749.9	2250.8
75°	1643.0	1346.8	1355.3	1352.0	1530.1	2242.9	1991.2	1540.0
77.5°	1149.6	975.9	980.3	998.7	1028.6	1691.5	1422.7	1125.0
80°	790.5	740.6	765.3	766.7	712.9	1136.3	1051.0	902.8
82.5°	588.8	514.8	508.8	517.5	558.8	920.6	807.8	626.2
85°	482.2	304.9	245.1	307.1	495.2	911.7	536.5	330.3
87.5°	271.5	144.7	65.3	121.2	197.5	603.6	155.0	42.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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