

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: P200644

Luminaire Tested: **GPC-AF-02-LED-E1-SLR-8030-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200644  
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: GPC-AF-02-LED-E1-SLR-8030-600  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5869 lumens  
Efficiency: N/A  
Efficacy: 88.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2

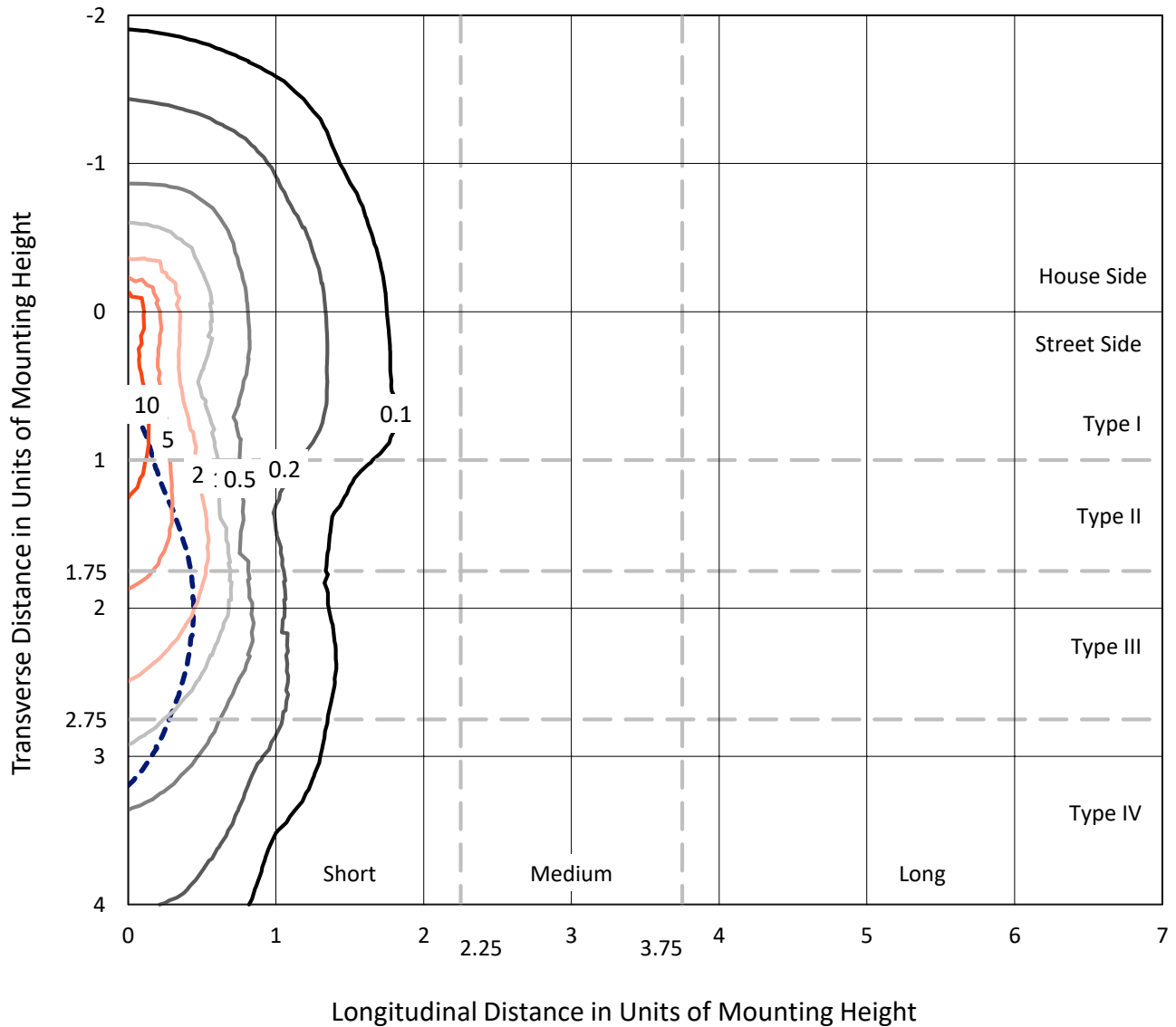
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

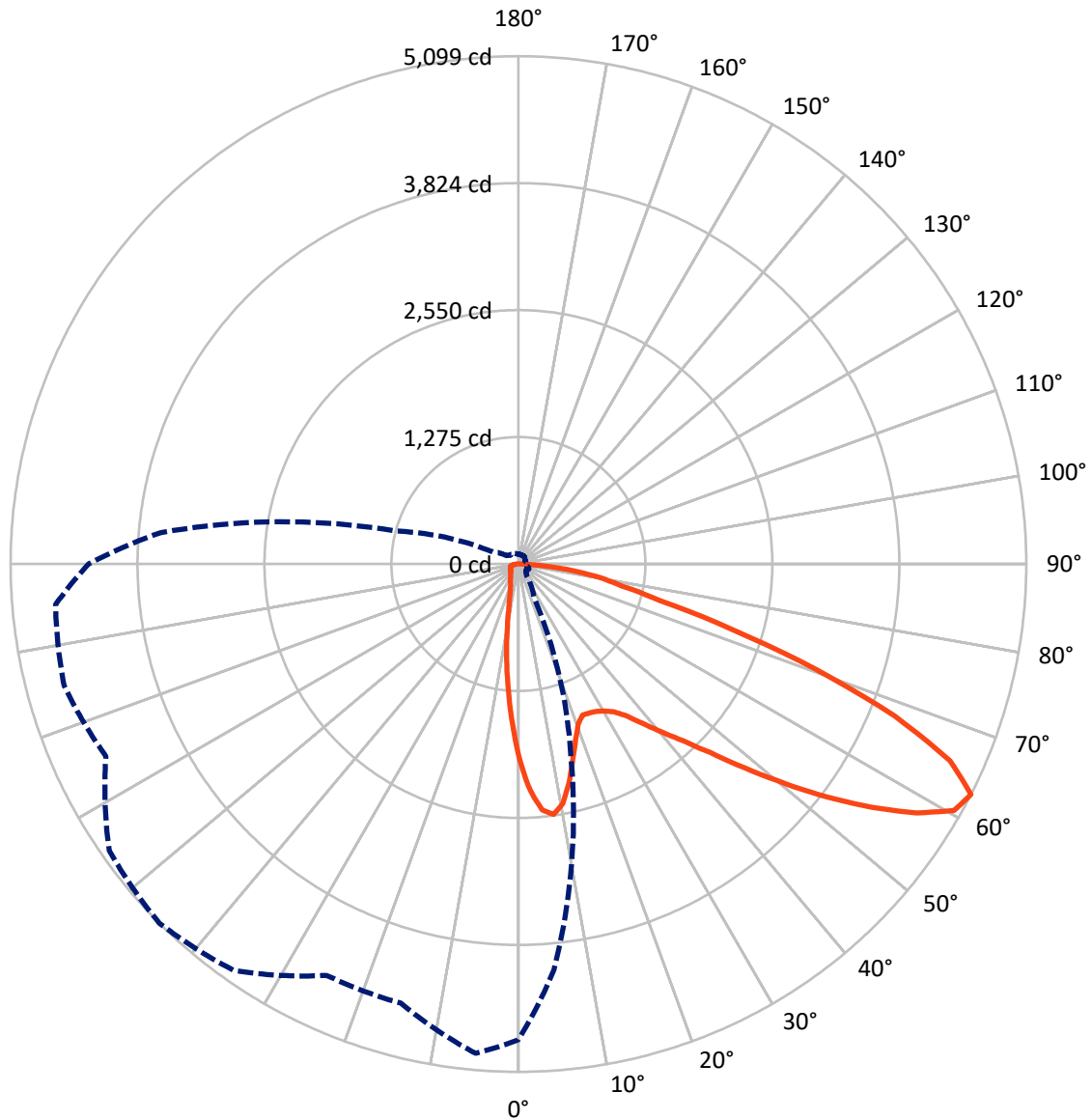
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.8 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	971.2	0.0	971.2
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	4897.8	0.0	4897.8
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	5869.0	0.0	5869.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.3	2.5
10°-20°	264.7	4.5
20°-30°	385.9	6.6
30°-40°	594.4	10.1
40°-50°	874.7	14.9
50°-60°	1283.1	21.9
60°-70°	1434.3	24.4
70°-80°	702.2	12.0
80°-90°	185.4	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°	5869.0	100.0
0°-180°	5869.0	100.0



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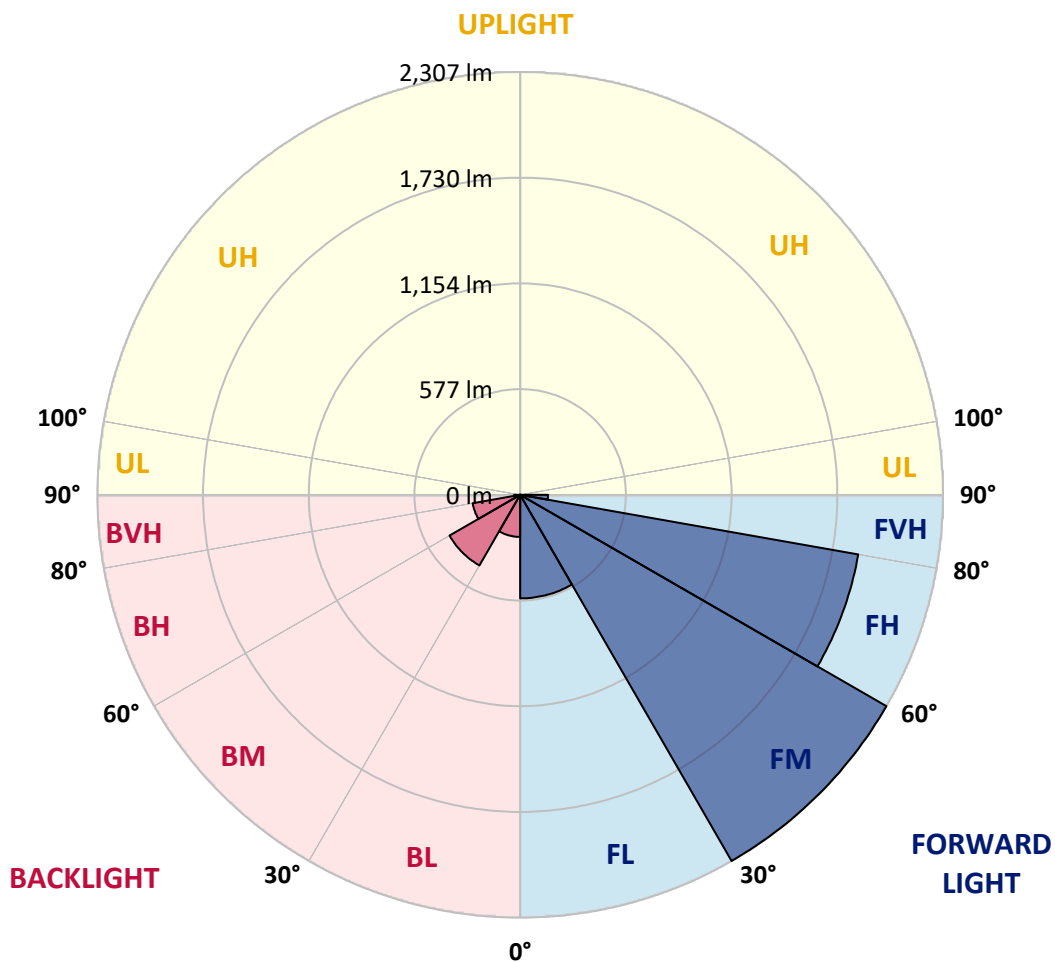
CATALOG NUMBER: GPC-AF-02-LED-E1-SLR-8030-600

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	565.2	9.6			
FM	(30°-60°)	2307.2	39.3			
FH	(60°-80°)	1873.2	31.9			G2/5000
FVH	(80°-90°)	152.3	2.6			G2/225
BL	(0°-30°)	229.8	3.9	B1/500		
BM	(30°-60°)	445.0	7.6	B1/1000		
BH	(60°-80°)	263.3	4.5	B1/500		G1/500
BVH	(80°-90°)	33.1	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°	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9
2.5°	2060.3	2018.4	1948.7	1876.1	1831.9	1780.3	1739.9	1704.4	1633.5	1619.6	1632.2
5°	1937.4	1853.2	1721.9	1589.6	1501.5	1407.0	1333.4	1274.4	1184.4	1168.6	1187.6
7.5°	1740.2	1639.6	1466.0	1297.3	1172.7	1054.7	975.3	912.1	841.7	811.4	813.3
10°	1570.2	1456.7	1251.5	1067.9	965.9	886.3	819.5	754.6	683.3	636.5	623.6
12.5°	1475.0	1344.4	1107.9	944.0	849.5	765.6	693.6	624.3	548.1	500.4	486.8
15°	1458.6	1316.6	1054.0	864.6	746.2	640.1	555.2	477.8	399.4	360.7	352.6
17.5°	1529.9	1366.3	1036.6	794.0	649.1	518.1	413.9	327.5	263.6	244.2	242.6
20°	1666.7	1461.8	1034.3	727.5	553.3	399.7	288.4	225.5	197.4	192.0	192.3
22.5°	1858.7	1609.9	1062.1	677.5	465.2	298.1	216.8	188.7	177.8	172.6	172.6
25°	2107.1	1813.8	1126.0	641.1	388.8	238.1	191.3	174.5	164.2	160.7	161.3
27.5°	2347.8	2012.2	1200.2	612.3	338.8	216.2	181.3	166.2	157.1	153.6	155.2
30°	2535.5	2188.4	1262.1	573.3	313.3	210.0	184.9	169.4	156.5	151.0	151.3
32.5°	2691.0	2342.6	1314.1	545.2	290.7	180.0	159.4	152.6	151.0	144.5	141.3
35°	2889.8	2510.7	1348.9	545.9	280.0	160.7	142.0	130.0	121.3	113.9	113.9
37.5°	3122.7	2703.6	1386.0	553.3	276.2	149.4	135.8	123.9	115.8	108.7	107.4
40°	3353.1	2892.7	1419.9	560.4	273.9	142.6	131.0	120.0	112.6	105.5	103.6
42.5°	3548.9	3048.2	1450.2	564.0	266.2	142.0	127.4	117.4	110.3	102.6	100.7
45°	3693.8	3178.5	1482.8	569.4	258.4	144.5	127.4	117.1	108.4	101.0	99.0
47.5°	3823.1	3331.4	1537.3	569.4	249.1	139.7	131.6	117.4	108.1	100.3	98.7
50°	3996.4	3541.2	1640.6	556.2	235.8	134.5	138.7	116.1	105.2	99.0	97.1
52.5°	4235.1	3809.9	1804.5	533.3	215.5	124.5	137.8	115.5	102.3	95.8	93.6
55°	4517.4	4097.7	1983.2	506.5	185.2	117.4	132.9	113.9	99.0	91.9	89.7
57.5°	4737.8	4295.8	2109.0	465.2	158.7	113.6	117.8	112.3	95.2	87.8	85.8
60°	4825.5	4288.0	2143.5	410.1	145.8	110.3	102.9	125.8	91.9	84.5	82.3
62.5°	4778.1	4089.9	2046.7	371.3	142.9	106.1	96.5	116.5	89.4	82.3	79.0
65°	4559.0	3738.9	1790.3	361.0	151.3	102.0	92.3	91.3	85.8	79.0	75.8
67.5°	4081.9	3214.3	1433.4	362.0	162.0	97.8	88.1	83.6	81.0	75.5	72.6
70°	3324.7	2541.3	1068.5	364.6	167.4	92.9	83.6	78.7	75.8	70.3	68.4
72.5°	2444.5	1958.7	776.2	347.8	168.4	87.4	77.4	73.2	70.3	64.5	62.9
75°	1672.5	1498.3	538.5	288.1	146.8	79.7	70.7	66.8	64.8	57.8	56.8
77.5°	1221.8	1124.7	344.6	213.9	113.2	70.0	62.3	59.4	58.1	50.3	49.0
80°	980.5	889.8	215.5	146.5	82.9	58.7	52.3	50.7	49.4	41.6	40.7
82.5°	680.1	595.9	138.4	95.2	62.3	45.5	41.3	40.7	38.7	31.6	30.6
85°	358.8	323.6	87.8	64.8	45.2	31.3	28.7	28.7	27.7	21.0	20.3
87.5°	45.8	74.5	44.5	33.9	24.8	13.9	13.9	13.6	14.5	11.9	10.3
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°	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9
2.5°	1602.5	1618.0	1603.1	1604.1	1620.6	1669.6	1691.9	1710.2	1729.9	1742.8	1748.6
5°	1161.5	1197.6	1209.9	1235.7	1273.7	1336.3	1361.2	1379.2	1391.2	1398.3	1401.2
7.5°	794.3	816.2	840.8	882.4	965.3	1002.1	1018.5	1014.3	1000.8	995.9	991.1
10°	598.8	590.1	585.6	608.5	675.6	712.7	724.3	713.0	705.6	707.2	715.3
12.5°	463.9	448.8	430.4	427.8	472.0	505.2	512.7	513.3	526.8	538.8	556.5
15°	338.1	336.5	327.5	322.0	347.1	374.2	377.5	383.3	395.5	404.3	419.7
17.5°	238.4	247.1	254.2	257.8	276.8	296.2	292.6	289.7	287.5	287.5	294.9
20°	192.3	198.1	207.1	217.5	236.8	250.4	241.6	230.0	221.6	219.1	220.0
22.5°	173.3	177.8	182.9	192.0	209.4	218.7	209.4	201.0	192.6	189.7	188.7
25°	163.6	169.4	174.2	181.0	193.9	200.4	191.3	185.2	180.0	176.5	173.9
27.5°	158.1	163.2	164.5	167.8	178.7	184.5	180.0	177.4	174.2	171.0	167.8
30°	152.3	151.3	149.1	149.4	158.1	163.9	163.6	164.2	163.9	162.9	162.3
32.5°	139.1	137.1	135.2	137.1	145.2	150.3	150.7	152.0	152.0	151.6	154.2
35°	115.8	119.4	121.6	127.4	137.1	141.6	139.7	136.5	130.7	127.1	126.8
37.5°	107.1	107.8	111.6	119.7	130.3	134.5	131.6	124.2	120.3	119.7	120.7
40°	102.9	103.6	105.8	113.2	123.9	128.1	125.5	120.0	116.5	116.1	117.8
42.5°	100.0	100.7	102.0	107.1	115.8	121.0	121.3	117.4	113.2	113.6	115.2
45°	98.4	98.7	98.4	101.0	109.0	115.2	117.8	115.2	111.6	112.3	114.2
47.5°	98.1	97.1	95.8	96.5	104.9	111.0	114.2	113.2	111.6	112.3	113.9
50°	96.8	94.5	92.9	92.6	101.0	107.4	110.3	110.3	111.0	112.3	113.9
52.5°	92.9	90.3	90.3	89.4	98.4	104.5	106.5	106.8	107.8	110.0	112.3
55°	88.1	87.1	88.1	86.5	96.5	102.3	103.2	103.9	104.5	106.5	109.7
57.5°	83.9	82.6	84.9	84.2	94.9	100.0	100.0	101.3	101.3	103.9	106.5
60°	81.6	79.0	80.0	80.7	92.6	98.1	97.4	98.7	99.4	101.6	103.6
62.5°	78.7	76.5	76.5	78.1	90.0	95.2	94.9	95.8	98.4	99.0	101.0
65°	75.2	74.2	73.2	75.2	87.4	91.9	92.3	93.6	95.8	96.5	98.1
67.5°	71.6	71.9	70.0	71.9	85.2	88.7	88.7	91.3	92.3	93.6	95.2
70°	67.8	68.1	66.5	68.7	83.6	85.2	84.9	88.4	89.0	90.0	91.6
72.5°	62.9	62.9	62.3	65.5	81.0	81.6	81.0	83.9	84.2	85.2	85.8
75°	57.8	57.8	57.1	61.6	79.4	77.8	75.8	78.1	78.7	79.4	79.4
77.5°	51.0	51.6	51.6	57.1	73.9	76.1	69.7	71.0	71.9	72.3	71.3
80°	42.6	44.2	44.8	51.9	61.9	70.3	62.3	63.2	63.6	63.6	62.3
82.5°	32.6	35.5	37.1	44.8	47.4	59.0	54.2	55.2	54.2	52.3	51.6
85°	22.6	26.5	28.4	34.2	35.8	45.5	45.2	45.2	43.2	40.7	40.3
87.5°	12.3	14.5	15.8	20.3	24.5	30.6	33.2	32.3	30.6	29.0	29.4
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):**

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9
2.5°	1779.0	1822.8	1892.9	1946.4	2000.3	2052.2	2108.4	2151.3	2187.7	2201.9	2245.2
5°	1430.5	1485.4	1551.5	1670.9	1755.4	1848.7	1956.4	2099.0	2153.9	2229.7	2353.9
7.5°	1011.4	1061.1	1167.6	1264.1	1383.7	1515.7	1661.2	1858.0	1930.0	2051.6	2253.9
10°	755.3	813.0	898.5	979.8	1085.3	1220.2	1387.3	1607.3	1694.8	1826.7	2059.6
12.5°	608.5	676.5	767.2	843.7	925.3	1020.5	1182.7	1424.1	1541.2	1656.7	1892.2
15°	467.5	538.8	623.0	720.1	810.1	912.7	1082.7	1346.6	1481.5	1601.8	1802.8
17.5°	323.6	384.6	490.7	592.0	707.2	838.5	1055.0	1363.1	1524.1	1662.8	1818.3
20°	229.4	264.2	351.3	468.8	612.3	777.2	1049.8	1449.6	1658.9	1817.4	1917.7
22.5°	192.9	205.8	256.5	364.2	530.1	731.4	1067.9	1570.9	1840.9	2043.2	2076.1
25°	175.8	183.6	210.0	285.8	456.8	698.2	1128.9	1751.5	2066.1	2269.0	2263.2
27.5°	166.5	174.5	192.0	241.3	401.7	677.5	1189.8	1965.8	2323.6	2514.2	2442.0
30°	163.6	174.5	192.9	227.5	362.3	644.9	1239.9	2153.9	2521.7	2679.7	2523.3
32.5°	161.3	162.9	171.3	196.2	324.9	606.9	1273.7	2322.6	2715.5	2837.2	2640.4
35°	130.3	138.4	152.0	175.8	302.9	584.0	1273.7	2468.1	2906.5	2996.2	2752.0
37.5°	125.5	132.6	144.5	164.9	290.7	572.7	1248.2	2608.4	3101.7	3176.6	2844.0
40°	122.9	128.7	140.0	156.5	285.5	559.8	1211.1	2732.3	3292.4	3357.3	2929.8
42.5°	121.0	126.1	136.8	151.3	278.7	545.6	1181.1	2831.7	3457.9	3511.5	3011.7
45°	120.0	125.5	137.1	153.9	265.2	526.8	1171.1	2939.1	3594.1	3640.2	3100.4
47.5°	120.0	126.5	138.7	159.4	249.1	507.5	1202.4	3080.8	3722.8	3745.4	3205.0
50°	119.0	126.1	143.2	153.9	225.5	483.0	1276.0	3259.2	3862.2	3864.7	3337.3
52.5°	117.1	125.5	154.2	150.7	198.4	450.7	1375.4	3488.2	4068.3	4083.8	3544.4
55°	114.9	124.5	151.3	143.2	176.2	412.3	1456.7	3766.7	4358.0	4401.0	3848.9
57.5°	112.0	123.2	146.5	132.9	161.6	363.0	1486.0	3970.6	4560.3	4668.1	4192.2
60°	109.4	122.3	132.3	126.8	152.6	321.3	1429.2	3930.2	4546.5	4778.7	4496.4
62.5°	106.8	123.2	120.7	122.9	148.4	294.6	1280.8	3607.3	4316.4	4664.5	4722.0
65°	103.9	114.5	113.9	119.7	147.4	283.9	1061.8	3123.0	3871.8	4303.5	4775.2
67.5°	100.0	105.8	109.0	115.5	150.7	274.6	856.9	2576.2	3254.0	3762.5	4497.7
70°	95.8	100.7	104.2	110.3	148.7	270.4	712.7	2031.6	2582.0	3083.7	3950.2
72.5°	90.3	94.5	97.8	103.6	146.8	268.1	602.0	1636.0	1927.7	2290.7	3211.7
75°	83.9	87.8	90.0	95.8	140.7	245.5	473.3	1384.4	1442.5	1593.5	2558.1
77.5°	76.5	79.4	81.3	87.8	124.5	204.2	342.3	1067.9	1120.2	1156.9	1961.2
80°	67.8	70.7	71.6	77.8	103.2	159.7	223.3	788.8	837.9	846.3	1280.8
82.5°	57.8	60.7	60.7	66.5	84.5	114.9	146.5	540.4	550.1	578.5	905.3
85°	46.5	48.7	48.7	51.6	65.5	85.8	100.7	271.3	268.4	306.5	784.3
87.5°	33.2	34.8	36.5	37.1	46.8	56.8	60.7	82.6	54.5	62.6	503.6
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°	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9	1982.9
2.5°	2277.7	2296.1	2277.4	2263.9	2205.5	2157.4	2093.2	2060.3
5°	2448.4	2495.2	2479.4	2422.6	2300.7	2163.5	2007.7	1937.4
7.5°	2427.8	2536.5	2539.1	2432.9	2253.2	2051.3	1840.3	1740.2
10°	2267.1	2406.2	2445.8	2342.9	2152.2	1926.4	1684.4	1570.2
12.5°	2087.7	2223.9	2254.2	2218.7	2059.3	1832.5	1587.0	1475.0
15°	1940.9	2001.9	2038.0	2069.0	1979.6	1795.1	1581.5	1458.6
17.5°	1851.6	1844.8	1855.1	1909.0	1924.1	1838.0	1665.4	1529.9
20°	1819.3	1715.7	1713.1	1787.4	1898.0	1940.3	1829.3	1666.7
22.5°	1837.0	1669.3	1648.0	1736.1	1911.9	2087.7	2044.2	1858.7
25°	1898.3	1673.1	1656.0	1741.2	1962.2	2244.8	2276.1	2107.1
27.5°	1994.8	1697.7	1675.1	1762.5	2029.0	2376.8	2504.6	2347.8
30°	2086.4	1740.2	1712.2	1804.5	2090.0	2429.1	2644.6	2535.5
32.5°	2197.7	1819.9	1770.6	1881.6	2165.5	2512.3	2769.4	2691.0
35°	2306.8	1933.5	1872.2	2000.6	2249.7	2615.9	2912.0	2889.8
37.5°	2426.5	2081.9	2031.3	2154.5	2364.9	2713.6	3094.0	3122.7
40°	2554.2	2278.7	2218.7	2379.1	2543.6	2836.2	3284.0	3353.1
42.5°	2683.0	2497.1	2425.5	2588.1	2740.1	2957.2	3446.6	3548.9
45°	2830.4	2734.3	2700.4	2876.2	2928.8	3072.4	3566.6	3693.8
47.5°	3002.0	3003.3	3057.9	3128.2	3119.2	3202.7	3687.3	3823.1
50°	3202.4	3339.2	3459.5	3506.3	3315.3	3342.7	3854.7	3996.4
52.5°	3443.1	3740.9	3889.9	3859.3	3526.6	3513.7	4119.9	4235.1
55°	3744.1	4166.1	4314.2	4292.2	3769.6	3746.7	4450.3	4517.4
57.5°	4092.5	4578.1	4714.2	4615.5	4061.2	4002.2	4723.6	4737.8
60°	4398.7	4904.6	5023.9	4914.6	4355.5	4274.2	4894.2	4825.5
62.5°	4569.0	5015.2	5099.1	4981.4	4557.1	4563.9	4931.7	4778.1
65°	4492.9	4735.5	4762.6	4752.9	4505.2	4732.0	4797.1	4559.0
67.5°	4076.1	4028.3	4073.8	4136.7	4059.9	4510.6	4424.5	4081.9
70°	3341.8	3079.5	3170.1	3212.4	3247.2	3881.5	3840.2	3324.7
72.5°	2518.4	2157.4	2229.0	2220.3	2381.6	3113.3	2986.6	2444.5
75°	1784.4	1462.8	1471.8	1468.3	1661.9	2435.8	2162.6	1672.5
77.5°	1248.6	1059.8	1064.7	1084.7	1117.3	1837.0	1545.1	1221.8
80°	858.5	804.3	831.1	832.7	774.3	1234.0	1141.5	980.5
82.5°	639.4	559.1	552.7	562.0	606.9	999.8	877.2	680.1
85°	523.6	331.0	266.2	333.6	537.8	990.1	582.7	358.8
87.5°	294.9	157.1	71.0	131.6	214.5	655.6	168.4	45.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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