

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: P193809

Luminaire Tested: **GLEON-AF-01-LED-E1-SLL-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193809
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: GLEON-AF-01-LED-E1-SLL-8030-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2945 lumens
Efficiency: N/A
Efficacy: 86.6 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 - 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

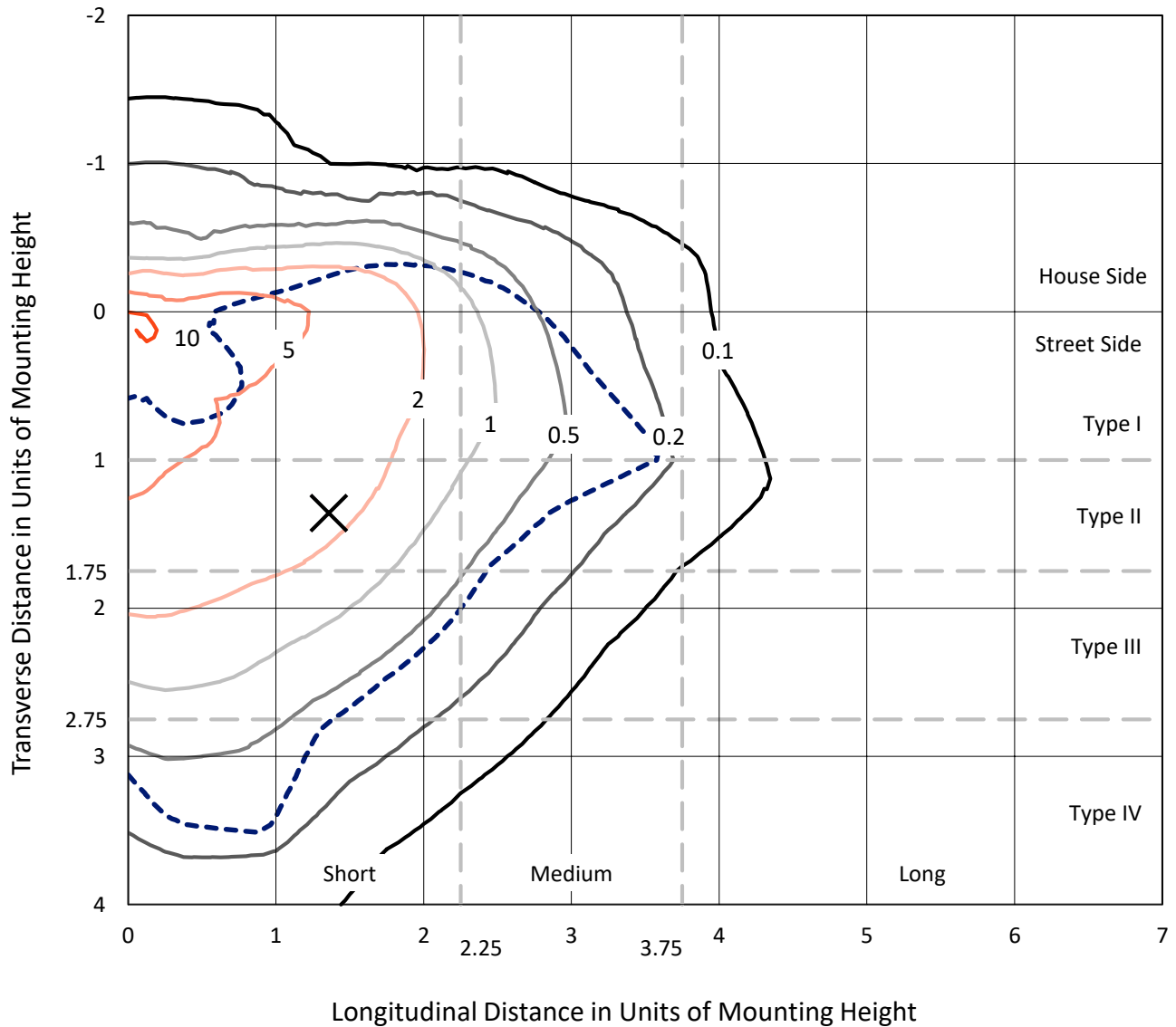


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Iso-Footcandle Lines of Horizontal Illumination

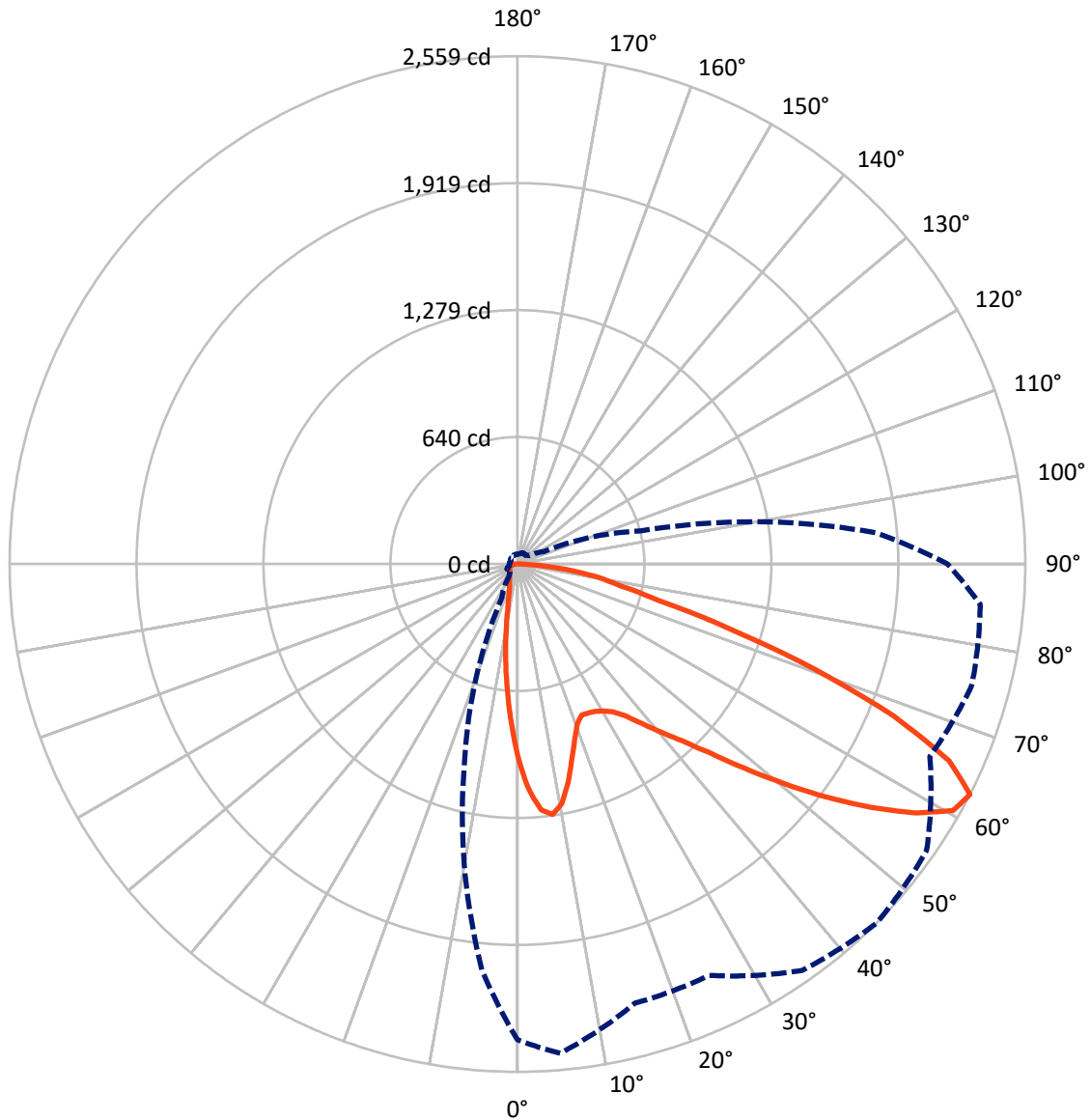
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	487.4	0.0	487.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	2457.6	0.0	2457.6
	% Fixture	83.5	0.0	83.5
Total	Lumens	2945.0	0.0	2945.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	2.5
10°-20°	132.8	4.5
20°-30°	193.6	6.6
30°-40°	298.2	10.1
40°-50°	438.9	14.9
50°-60°	643.8	21.9
60°-70°	719.7	24.4
70°-80°	352.4	12.0
80°-90°	93.0	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°	2945.0	100.0
0°-180°	2945.0	100.0



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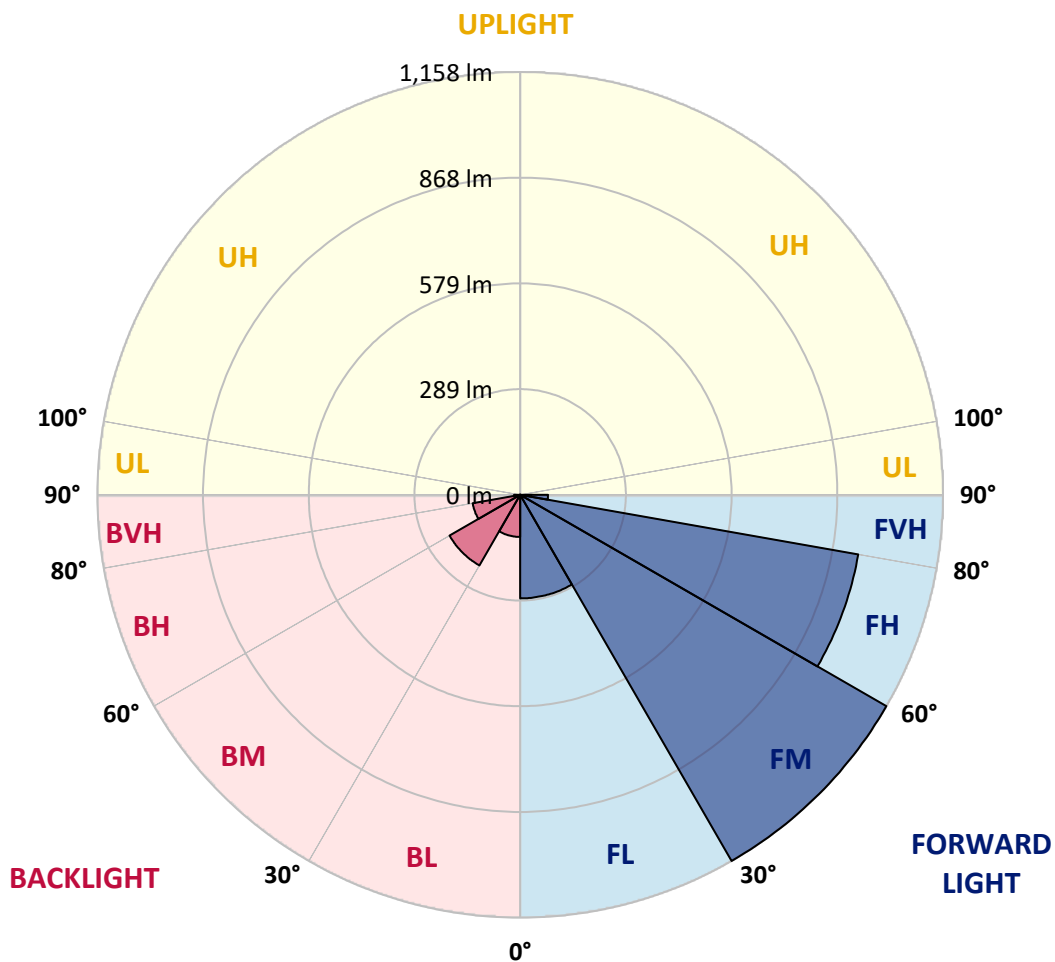
CATALOG NUMBER: GLEON-AF-01-LED-E1-SLL-8030-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.6	9.6			
FM (30°-60°)	1157.7	39.3			
FH (60°-80°)	939.9	31.9			G1/1800
FVH (80°-90°)	76.4	2.6			G1/100
BL (0°-30°)	115.3	3.9	B1/500		
BM (30°-60°)	223.3	7.6	B1/1000		
BH (60°-80°)	132.1	4.5	B1/500		G1/500
BVH (80°-90°)	16.6	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°	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0
2.5°	1033.8	1050.3	1082.6	1106.7	1136.0	1142.8	1152.2	1142.9	1126.6	1104.9	1097.8
5°	972.2	1007.4	1085.6	1154.4	1215.6	1244.1	1252.1	1228.6	1181.2	1118.8	1080.8
7.5°	873.2	923.4	1029.3	1130.6	1220.8	1274.1	1272.8	1218.2	1131.0	1029.5	968.4
10°	787.9	845.2	966.6	1080.0	1175.6	1227.3	1207.4	1137.6	1033.5	916.6	850.4
12.5°	740.2	796.3	919.5	1033.3	1113.3	1131.1	1115.9	1047.6	949.5	831.3	773.4
15°	731.9	793.6	900.8	993.4	1038.2	1022.7	1004.5	973.9	904.6	803.8	743.4
17.5°	767.7	835.7	922.3	965.5	957.9	930.9	925.7	929.1	912.4	834.4	764.8
20°	836.3	917.9	973.6	952.4	896.9	859.6	860.9	912.9	962.3	911.9	832.4
22.5°	932.7	1025.7	1047.6	959.4	871.1	826.9	837.6	921.8	1041.8	1025.3	923.7
25°	1057.3	1142.1	1126.4	984.6	873.7	831.0	839.6	952.6	1135.7	1138.6	1036.7
27.5°	1178.1	1256.8	1192.6	1018.1	884.4	840.5	851.9	1001.0	1225.3	1261.6	1165.9
30°	1272.3	1327.0	1218.9	1048.7	905.5	859.2	873.2	1046.9	1266.1	1344.7	1265.3
32.5°	1350.3	1389.7	1260.6	1086.6	944.1	888.5	913.2	1102.8	1324.9	1423.7	1362.6
35°	1450.1	1461.2	1312.6	1128.9	1003.9	939.5	970.2	1157.5	1380.9	1503.5	1458.5
37.5°	1566.9	1552.5	1361.7	1186.7	1081.1	1019.3	1044.7	1217.6	1427.1	1594.0	1556.4
40°	1682.5	1647.9	1423.2	1276.3	1193.8	1113.3	1143.4	1281.7	1470.1	1684.6	1652.1
42.5°	1780.8	1729.5	1483.9	1374.9	1298.7	1217.1	1253.0	1346.3	1511.2	1762.0	1735.1
45°	1853.5	1789.7	1541.7	1469.6	1443.3	1355.0	1372.0	1420.3	1555.8	1826.6	1803.5
47.5°	1918.4	1850.2	1607.1	1565.2	1569.7	1534.4	1507.0	1506.4	1608.2	1879.4	1868.1
50°	2005.3	1934.3	1677.3	1663.6	1759.4	1736.0	1675.6	1606.9	1674.6	1939.3	1938.0
52.5°	2125.1	2067.3	1763.2	1769.6	1936.5	1951.9	1877.1	1727.7	1778.5	2049.2	2041.4
55°	2266.8	2233.1	1880.0	1891.5	2153.8	2164.8	2090.5	1878.7	1931.4	2208.3	2186.8
57.5°	2377.4	2370.2	2008.3	2037.9	2316.0	2365.5	2297.2	2053.6	2103.6	2342.4	2288.3
60°	2421.4	2455.9	2144.7	2185.5	2466.1	2521.0	2461.1	2207.2	2256.3	2397.9	2281.4
62.5°	2397.6	2474.7	2290.1	2286.7	2499.6	2558.7	2516.6	2292.7	2369.4	2340.6	2165.9
65°	2287.7	2407.2	2374.4	2260.6	2385.0	2389.8	2376.2	2254.5	2396.1	2159.5	1942.8
67.5°	2048.2	2220.2	2263.4	2037.2	2075.8	2044.2	2021.4	2045.3	2256.9	1888.0	1632.8
70°	1668.3	1927.0	1947.7	1629.4	1611.9	1590.7	1545.2	1676.9	1982.2	1547.4	1295.6
72.5°	1226.6	1498.6	1562.2	1195.1	1114.1	1118.5	1082.6	1263.7	1611.6	1149.4	967.3
75°	839.2	1085.2	1222.3	833.9	736.8	738.5	734.0	895.4	1283.6	799.6	723.8
77.5°	613.1	775.3	921.8	560.6	544.3	534.2	531.8	626.5	984.1	580.5	562.1
80°	492.0	572.8	619.2	388.5	417.8	417.0	403.6	430.8	642.7	424.6	420.4
82.5°	341.3	440.2	501.7	304.5	282.0	277.3	280.6	320.9	454.3	290.3	276.0
85°	180.0	292.4	496.8	269.9	167.4	133.6	166.1	262.7	393.6	153.8	134.7
87.5°	23.0	84.5	329.0	107.7	66.1	35.6	78.8	148.0	252.7	31.4	27.4
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°	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0
2.5°	1079.5	1058.0	1029.8	1003.7	976.7	949.8	914.7	892.7	877.4	874.5	868.1
5°	1053.3	981.7	927.6	880.8	838.4	778.5	745.3	717.8	703.1	701.6	698.1
7.5°	932.3	833.6	760.6	694.3	634.3	585.9	532.5	507.5	497.3	499.8	502.2
10°	806.5	696.1	612.3	544.6	491.7	450.9	408.0	379.0	358.9	354.9	354.1
12.5°	714.6	593.5	512.1	464.3	423.3	385.0	339.5	305.3	279.3	270.4	264.4
15°	675.7	543.3	458.0	406.5	361.3	312.6	270.4	234.6	210.6	202.8	198.5
17.5°	684.0	529.4	420.8	354.9	297.1	246.2	193.0	162.4	148.0	144.2	144.2
20°	727.4	526.8	390.0	307.3	235.2	176.3	132.6	115.1	110.4	109.9	111.2
22.5°	788.2	535.9	367.0	266.0	182.8	128.7	103.3	96.8	94.7	95.2	96.6
25°	878.9	566.5	350.3	229.2	143.4	105.4	92.1	88.2	87.3	88.6	90.3
27.5°	986.4	597.1	340.0	201.6	121.1	96.3	87.6	83.5	84.2	85.8	87.4
30°	1080.8	622.1	323.6	181.8	114.1	96.8	87.6	82.1	81.4	81.8	82.2
32.5°	1165.5	639.1	304.5	163.0	98.4	86.0	81.8	80.9	77.4	76.1	76.3
35°	1238.5	639.1	293.0	152.0	88.2	76.3	69.5	65.4	63.6	63.8	65.6
37.5°	1308.9	626.4	287.4	145.9	82.7	72.5	66.5	63.0	60.5	60.1	60.4
40°	1371.1	607.7	280.9	143.3	78.5	70.3	64.6	61.7	59.1	58.3	58.4
42.5°	1420.9	592.7	273.8	139.9	75.9	68.6	63.3	60.7	57.8	57.0	56.8
45°	1474.8	587.7	264.4	133.1	77.2	68.8	63.0	60.2	57.3	56.3	56.0
47.5°	1545.9	603.4	254.7	125.0	80.0	69.6	63.5	60.2	57.1	56.3	56.0
50°	1635.4	640.3	242.4	113.2	77.2	71.9	63.3	59.7	57.1	56.3	55.7
52.5°	1750.4	690.1	226.2	99.6	75.6	77.4	63.0	58.8	56.3	55.2	54.1
55°	1890.1	730.9	206.9	88.4	71.9	75.9	62.5	57.6	55.0	53.4	52.5
57.5°	1992.4	745.7	182.1	81.1	66.7	73.5	61.8	56.2	53.4	52.1	50.8
60°	1972.2	717.2	161.2	76.6	63.6	66.4	61.4	54.9	52.0	51.0	49.9
62.5°	1810.1	642.7	147.8	74.5	61.7	60.5	61.8	53.6	50.7	49.7	49.4
65°	1567.1	532.8	142.5	74.0	60.1	57.1	57.5	52.1	49.2	48.4	48.1
67.5°	1292.7	430.0	137.8	75.6	58.0	54.7	53.1	50.2	47.8	46.9	46.3
70°	1019.4	357.6	135.7	74.6	55.4	52.3	50.5	48.1	46.0	45.2	44.7
72.5°	820.9	302.1	134.5	73.7	52.0	49.1	47.4	45.3	43.1	42.7	42.3
75°	694.7	237.5	123.2	70.6	48.1	45.2	44.0	42.1	39.8	39.8	39.5
77.5°	535.9	171.8	102.5	62.5	44.0	40.8	39.8	38.4	35.8	36.3	36.1
80°	395.8	112.0	80.1	51.8	39.0	35.9	35.5	34.0	31.2	31.9	31.9
82.5°	271.2	73.5	57.6	42.4	33.3	30.4	30.4	29.0	25.9	26.2	27.2
85°	136.1	50.5	43.1	32.9	25.9	24.4	24.4	23.3	20.2	20.4	21.7
87.5°	41.4	30.4	28.5	23.5	18.6	18.3	17.5	16.7	14.7	14.6	15.4
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°	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0
2.5°	858.2	849.0	837.8	813.2	804.9	804.4	811.9	804.1	819.0	812.7	819.7
5°	692.1	683.0	670.6	639.1	620.0	607.1	600.9	582.8	595.9	586.4	594.3
7.5°	509.0	511.1	502.8	484.4	442.8	421.9	409.6	398.6	408.1	407.2	422.4
10°	357.8	363.4	357.6	339.0	305.3	293.8	296.1	300.5	312.9	319.4	342.9
12.5°	257.6	257.2	253.5	236.8	214.7	216.0	225.2	232.8	244.3	251.1	275.1
15°	192.3	189.4	187.8	174.2	161.6	164.3	168.9	169.7	176.9	181.0	200.4
17.5°	145.4	146.8	148.6	138.9	129.4	127.6	124.0	119.6	121.7	122.6	132.3
20°	115.4	121.3	125.6	118.8	109.1	103.9	99.4	96.5	96.5	96.3	99.1
22.5°	100.9	105.1	109.8	105.1	96.3	91.8	89.2	86.9	86.6	86.6	89.2
25°	92.9	96.0	100.5	97.3	90.8	87.4	85.0	82.1	80.9	80.6	82.4
27.5°	89.0	90.3	92.6	89.7	84.2	82.6	81.9	79.3	77.9	77.1	78.8
30°	82.4	82.1	82.2	79.3	75.0	74.8	75.9	76.4	75.9	75.8	78.5
32.5°	76.3	75.6	75.4	72.9	68.8	67.8	68.8	69.8	70.9	72.5	75.8
35°	68.5	70.1	71.1	68.8	63.9	61.0	59.9	58.1	57.1	57.1	60.9
37.5°	62.3	66.1	67.5	65.4	60.1	56.0	54.1	53.7	53.9	54.6	58.1
40°	60.2	63.0	64.3	62.2	56.8	53.1	52.0	51.6	52.0	52.9	56.5
42.5°	58.9	60.9	60.7	58.1	53.7	51.2	50.5	50.2	50.5	51.5	55.4
45°	57.8	59.1	57.8	54.7	50.7	49.4	49.5	49.4	49.7	50.7	54.4
47.5°	56.8	57.3	55.7	52.6	48.4	48.1	48.7	49.2	49.5	50.3	54.2
50°	55.4	55.4	53.9	50.7	46.5	46.6	47.4	48.6	48.7	49.7	52.8
52.5°	53.6	53.4	52.5	49.4	44.8	45.3	45.3	46.6	46.9	48.1	51.3
55°	52.1	51.8	51.3	48.4	43.4	44.2	43.7	44.2	45.0	46.1	49.7
57.5°	50.8	50.2	50.2	47.6	42.3	42.6	41.4	42.1	43.1	44.0	47.8
60°	49.5	48.9	49.2	46.5	40.5	40.1	39.7	41.0	41.3	42.4	46.1
62.5°	48.1	47.6	47.8	45.2	39.2	38.4	38.4	39.5	39.7	41.3	44.8
65°	46.9	46.3	46.1	43.9	37.7	36.7	37.2	37.7	38.0	39.7	43.1
67.5°	45.8	44.5	44.5	42.7	36.1	35.1	36.1	35.9	36.4	37.9	40.6
70°	44.4	42.6	42.7	41.9	34.5	33.3	34.2	34.0	34.3	35.3	38.0
72.5°	42.1	40.6	41.0	40.6	32.9	31.2	31.6	31.6	31.6	32.4	35.3
75°	39.2	38.0	39.0	39.8	30.9	28.7	29.0	29.0	28.5	29.0	32.5
77.5°	35.6	35.0	38.2	37.1	28.7	25.9	25.9	25.6	24.6	25.3	29.1
80°	31.7	31.2	35.3	31.1	26.1	22.5	22.2	21.4	20.4	20.9	24.8
82.5°	27.7	27.2	29.6	23.8	22.5	18.6	17.8	16.4	15.4	15.9	19.4
85°	22.7	22.7	22.8	18.0	17.2	14.2	13.3	11.3	10.2	10.5	13.9
87.5°	16.2	16.7	15.4	12.3	10.2	7.9	7.3	6.2	5.2	6.0	7.3
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0
2.5°	855.3	873.1	893.3	919.2	941.4	977.8	1012.8	1033.8
5°	639.5	669.1	706.0	753.4	797.6	864.0	929.9	972.2
7.5°	457.7	489.4	529.2	588.5	651.0	735.6	822.7	873.2
10°	378.7	411.2	444.7	484.7	535.9	628.0	730.9	787.9
12.5°	313.3	348.1	384.2	426.3	473.7	555.9	674.6	740.2
15°	239.8	278.6	321.2	374.5	433.9	528.9	660.7	731.9
17.5°	164.3	207.7	260.0	325.7	398.4	520.2	685.6	767.7
20°	113.2	144.7	200.6	277.6	365.1	519.0	733.5	836.3
22.5°	94.7	108.8	149.6	233.4	340.0	532.9	807.8	932.7
25°	87.6	96.0	119.5	195.1	321.7	565.0	910.1	1057.3
27.5°	83.4	91.0	108.5	170.0	307.3	602.2	1009.7	1178.1
30°	85.0	92.8	105.4	157.2	287.7	633.3	1098.1	1272.3
32.5°	76.6	80.0	90.3	145.9	273.6	659.4	1175.5	1350.3
35°	65.2	71.2	80.6	140.5	273.9	676.9	1259.8	1450.1
37.5°	62.2	68.2	75.0	138.6	277.6	695.5	1356.6	1566.9
40°	60.2	65.7	71.6	137.4	281.2	712.5	1451.5	1682.5
42.5°	58.9	63.9	71.2	133.6	283.0	727.7	1529.5	1780.8
45°	58.8	63.9	72.5	129.7	285.7	744.0	1594.9	1853.5
47.5°	58.9	66.1	70.1	125.0	285.7	771.4	1671.7	1918.4
50°	58.3	69.6	67.5	118.3	279.1	823.2	1776.9	2005.3
52.5°	58.0	69.1	62.5	108.1	267.6	905.5	1911.8	2125.1
55°	57.1	66.7	58.9	92.9	254.2	995.1	2056.2	2266.8
57.5°	56.3	59.1	57.0	79.7	233.4	1058.3	2155.6	2377.4
60°	63.1	51.6	55.4	73.2	205.8	1075.6	2151.7	2421.4
62.5°	58.4	48.4	53.3	71.7	186.3	1027.0	2052.3	2397.6
65°	45.8	46.3	51.2	75.9	181.2	898.3	1876.2	2287.7
67.5°	41.9	44.2	49.1	81.3	181.6	719.3	1612.9	2048.2
70°	39.5	41.9	46.6	84.0	182.9	536.2	1275.2	1668.3
72.5°	36.7	38.9	43.9	84.5	174.5	389.5	982.8	1226.6
75°	33.5	35.5	40.0	73.7	144.6	270.2	751.8	839.2
77.5°	29.8	31.2	35.1	56.8	107.3	172.9	564.4	613.1
80°	25.4	26.2	29.5	41.6	73.5	108.1	446.5	492.0
82.5°	20.4	20.7	22.8	31.2	47.8	69.5	299.0	341.3
85°	14.4	14.4	15.7	22.7	32.5	44.0	162.4	180.0
87.5°	6.8	7.0	7.0	12.5	17.0	22.3	37.4	23.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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