

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: P193849

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193849
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-SLR-8030-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 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: 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

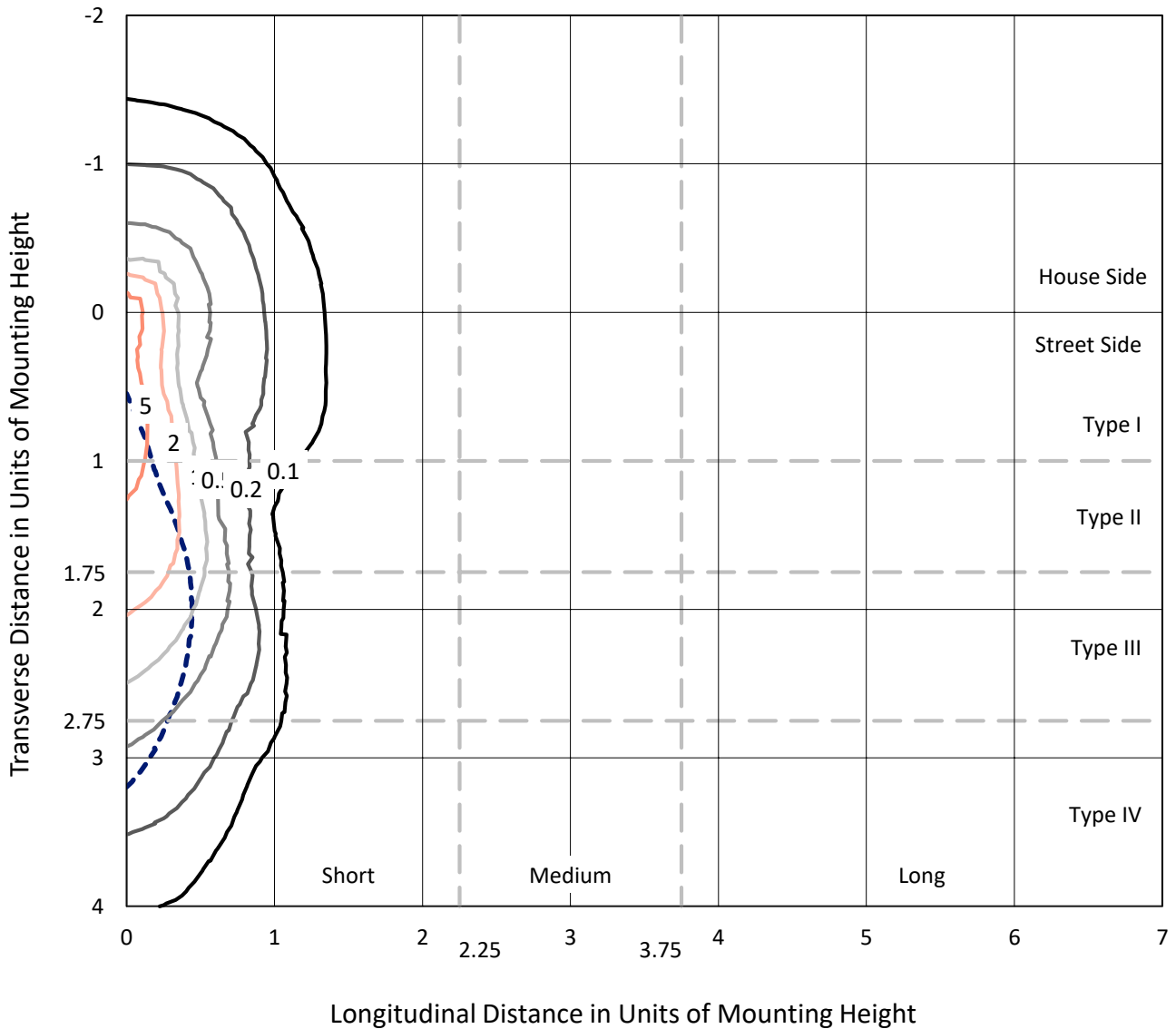
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

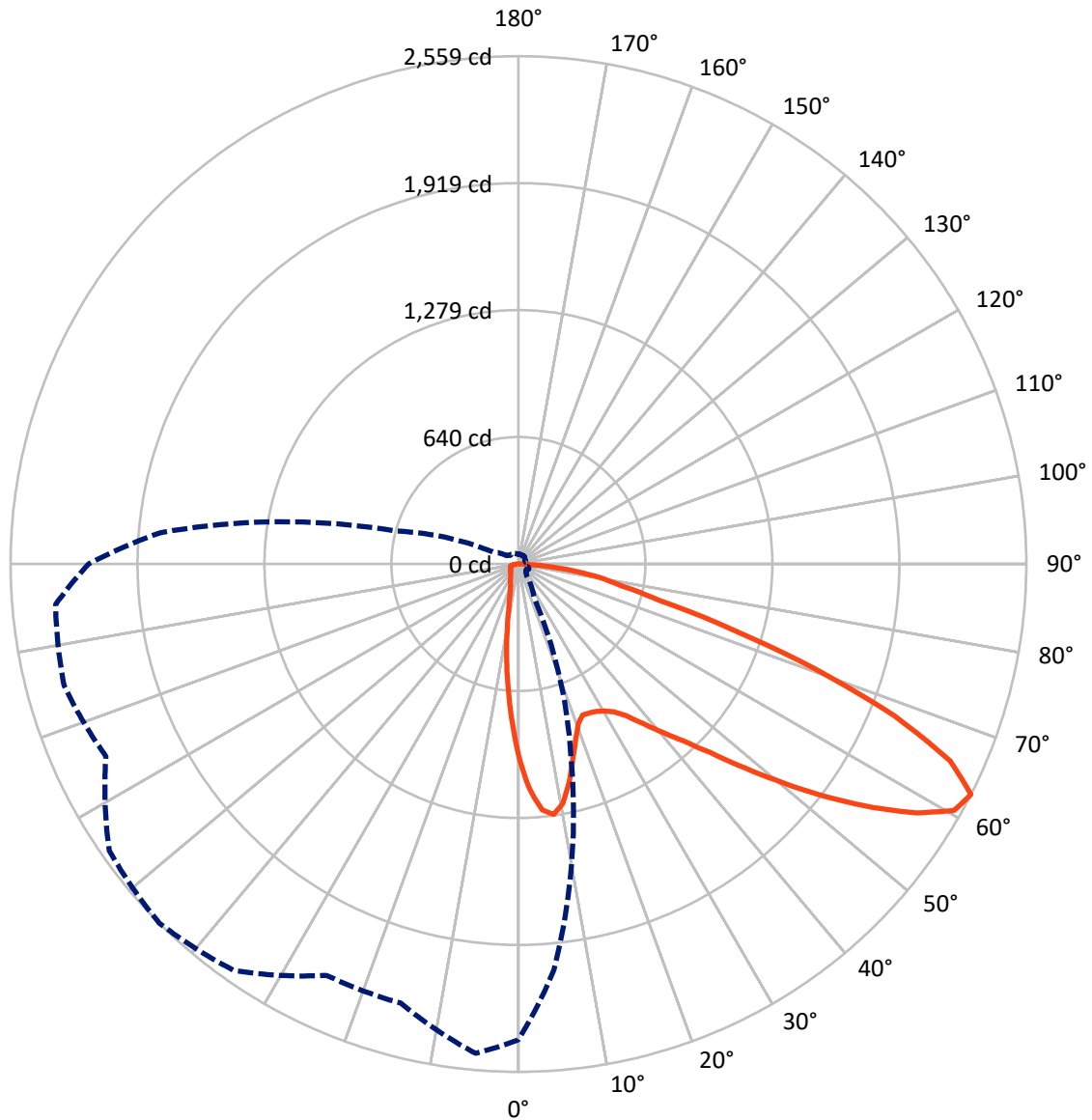


Based on 10 foot mounting height. Maximum calculated value = 10 fc
 Type IV - Short - Non-Cutoff

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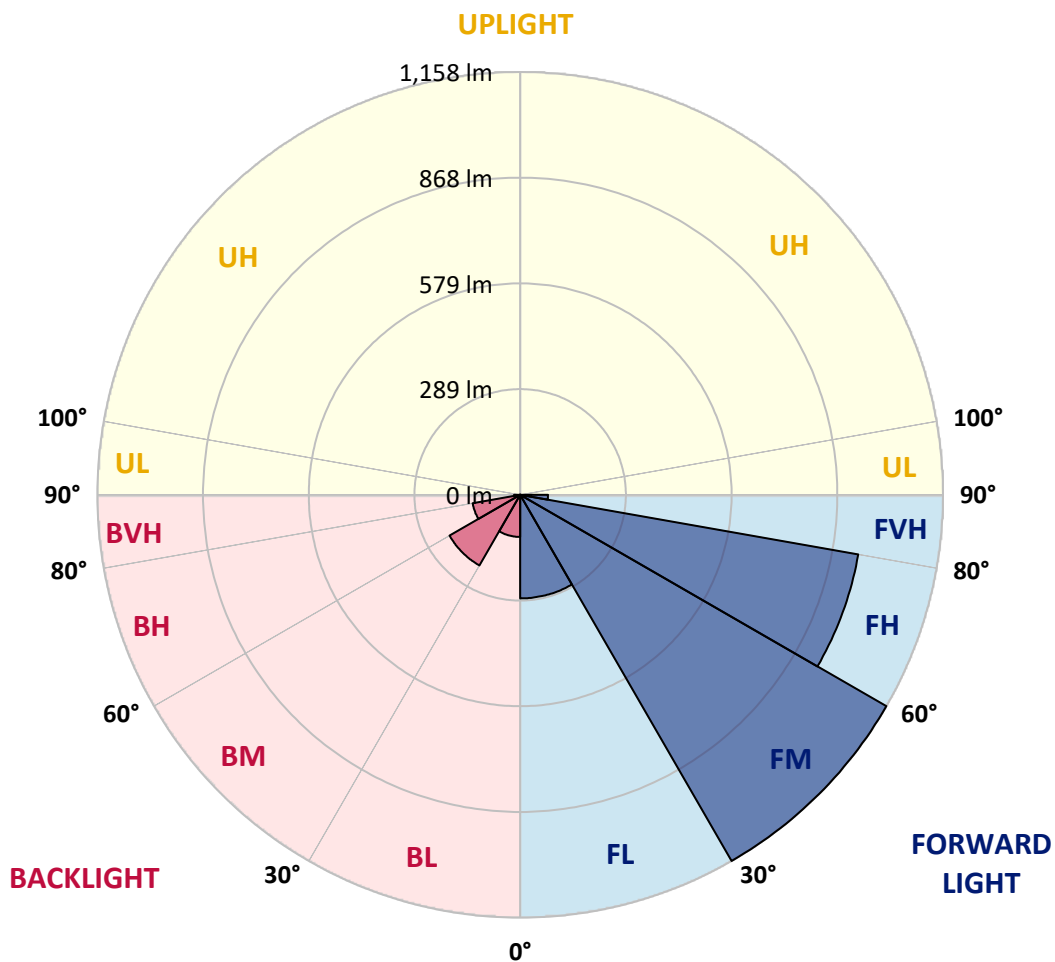
CATALOG NUMBER: GLEON-AF-01-LED-E1-SLR-8030-600

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	1012.8	977.8	941.4	919.2	893.3	873.1	855.3	819.7	812.7	819.0
5°	972.2	929.9	864.0	797.6	753.4	706.0	669.1	639.5	594.3	586.4	595.9
7.5°	873.2	822.7	735.6	651.0	588.5	529.2	489.4	457.7	422.4	407.2	408.1
10°	787.9	730.9	628.0	535.9	484.7	444.7	411.2	378.7	342.9	319.4	312.9
12.5°	740.2	674.6	555.9	473.7	426.3	384.2	348.1	313.3	275.1	251.1	244.3
15°	731.9	660.7	528.9	433.9	374.5	321.2	278.6	239.8	200.4	181.0	176.9
17.5°	767.7	685.6	520.2	398.4	325.7	260.0	207.7	164.3	132.3	122.6	121.7
20°	836.3	733.5	519.0	365.1	277.6	200.6	144.7	113.2	99.1	96.3	96.5
22.5°	932.7	807.8	532.9	340.0	233.4	149.6	108.8	94.7	89.2	86.6	86.6
25°	1057.3	910.1	565.0	321.7	195.1	119.5	96.0	87.6	82.4	80.6	80.9
27.5°	1178.1	1009.7	602.2	307.3	170.0	108.5	91.0	83.4	78.8	77.1	77.9
30°	1272.3	1098.1	633.3	287.7	157.2	105.4	92.8	85.0	78.5	75.8	75.9
32.5°	1350.3	1175.5	659.4	273.6	145.9	90.3	80.0	76.6	75.8	72.5	70.9
35°	1450.1	1259.8	676.9	273.9	140.5	80.6	71.2	65.2	60.9	57.1	57.1
37.5°	1566.9	1356.6	695.5	277.6	138.6	75.0	68.2	62.2	58.1	54.6	53.9
40°	1682.5	1451.5	712.5	281.2	137.4	71.6	65.7	60.2	56.5	52.9	52.0
42.5°	1780.8	1529.5	727.7	283.0	133.6	71.2	63.9	58.9	55.4	51.5	50.5
45°	1853.5	1594.9	744.0	285.7	129.7	72.5	63.9	58.8	54.4	50.7	49.7
47.5°	1918.4	1671.7	771.4	285.7	125.0	70.1	66.1	58.9	54.2	50.3	49.5
50°	2005.3	1776.9	823.2	279.1	118.3	67.5	69.6	58.3	52.8	49.7	48.7
52.5°	2125.1	1911.8	905.5	267.6	108.1	62.5	69.1	58.0	51.3	48.1	46.9
55°	2266.8	2056.2	995.1	254.2	92.9	58.9	66.7	57.1	49.7	46.1	45.0
57.5°	2377.4	2155.6	1058.3	233.4	79.7	57.0	59.1	56.3	47.8	44.0	43.1
60°	2421.4	2151.7	1075.6	205.8	73.2	55.4	51.6	63.1	46.1	42.4	41.3
62.5°	2397.6	2052.3	1027.0	186.3	71.7	53.3	48.4	58.4	44.8	41.3	39.7
65°	2287.7	1876.2	898.3	181.2	75.9	51.2	46.3	45.8	43.1	39.7	38.0
67.5°	2048.2	1612.9	719.3	181.6	81.3	49.1	44.2	41.9	40.6	37.9	36.4
70°	1668.3	1275.2	536.2	182.9	84.0	46.6	41.9	39.5	38.0	35.3	34.3
72.5°	1226.6	982.8	389.5	174.5	84.5	43.9	38.9	36.7	35.3	32.4	31.6
75°	839.2	751.8	270.2	144.6	73.7	40.0	35.5	33.5	32.5	29.0	28.5
77.5°	613.1	564.4	172.9	107.3	56.8	35.1	31.2	29.8	29.1	25.3	24.6
80°	492.0	446.5	108.1	73.5	41.6	29.5	26.2	25.4	24.8	20.9	20.4
82.5°	341.3	299.0	69.5	47.8	31.2	22.8	20.7	20.4	19.4	15.9	15.4
85°	180.0	162.4	44.0	32.5	22.7	15.7	14.4	14.4	13.9	10.5	10.2
87.5°	23.0	37.4	22.3	17.0	12.5	7.0	7.0	6.8	7.3	6.0	5.2
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):

	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°	804.1	811.9	804.4	804.9	813.2	837.8	849.0	858.2	868.1	874.5	877.4
5°	582.8	600.9	607.1	620.0	639.1	670.6	683.0	692.1	698.1	701.6	703.1
7.5°	398.6	409.6	421.9	442.8	484.4	502.8	511.1	509.0	502.2	499.8	497.3
10°	300.5	296.1	293.8	305.3	339.0	357.6	363.4	357.8	354.1	354.9	358.9
12.5°	232.8	225.2	216.0	214.7	236.8	253.5	257.2	257.6	264.4	270.4	279.3
15°	169.7	168.9	164.3	161.6	174.2	187.8	189.4	192.3	198.5	202.8	210.6
17.5°	119.6	124.0	127.6	129.4	138.9	148.6	146.8	145.4	144.2	144.2	148.0
20°	96.5	99.4	103.9	109.1	118.8	125.6	121.3	115.4	111.2	109.9	110.4
22.5°	86.9	89.2	91.8	96.3	105.1	109.8	105.1	100.9	96.6	95.2	94.7
25°	82.1	85.0	87.4	90.8	97.3	100.5	96.0	92.9	90.3	88.6	87.3
27.5°	79.3	81.9	82.6	84.2	89.7	92.6	90.3	89.0	87.4	85.8	84.2
30°	76.4	75.9	74.8	75.0	79.3	82.2	82.1	82.4	82.2	81.8	81.4
32.5°	69.8	68.8	67.8	68.8	72.9	75.4	75.6	76.3	76.3	76.1	77.4
35°	58.1	59.9	61.0	63.9	68.8	71.1	70.1	68.5	65.6	63.8	63.6
37.5°	53.7	54.1	56.0	60.1	65.4	67.5	66.1	62.3	60.4	60.1	60.5
40°	51.6	52.0	53.1	56.8	62.2	64.3	63.0	60.2	58.4	58.3	59.1
42.5°	50.2	50.5	51.2	53.7	58.1	60.7	60.9	58.9	56.8	57.0	57.8
45°	49.4	49.5	49.4	50.7	54.7	57.8	59.1	57.8	56.0	56.3	57.3
47.5°	49.2	48.7	48.1	48.4	52.6	55.7	57.3	56.8	56.0	56.3	57.1
50°	48.6	47.4	46.6	46.5	50.7	53.9	55.4	55.4	55.7	56.3	57.1
52.5°	46.6	45.3	45.3	44.8	49.4	52.5	53.4	53.6	54.1	55.2	56.3
55°	44.2	43.7	44.2	43.4	48.4	51.3	51.8	52.1	52.5	53.4	55.0
57.5°	42.1	41.4	42.6	42.3	47.6	50.2	50.2	50.8	50.8	52.1	53.4
60°	41.0	39.7	40.1	40.5	46.5	49.2	48.9	49.5	49.9	51.0	52.0
62.5°	39.5	38.4	38.4	39.2	45.2	47.8	47.6	48.1	49.4	49.7	50.7
65°	37.7	37.2	36.7	37.7	43.9	46.1	46.3	46.9	48.1	48.4	49.2
67.5°	35.9	36.1	35.1	36.1	42.7	44.5	44.5	45.8	46.3	46.9	47.8
70°	34.0	34.2	33.3	34.5	41.9	42.7	42.6	44.4	44.7	45.2	46.0
72.5°	31.6	31.6	31.2	32.9	40.6	41.0	40.6	42.1	42.3	42.7	43.1
75°	29.0	29.0	28.7	30.9	39.8	39.0	38.0	39.2	39.5	39.8	39.8
77.5°	25.6	25.9	25.9	28.7	37.1	38.2	35.0	35.6	36.1	36.3	35.8
80°	21.4	22.2	22.5	26.1	31.1	35.3	31.2	31.7	31.9	31.9	31.2
82.5°	16.4	17.8	18.6	22.5	23.8	29.6	27.2	27.7	27.2	26.2	25.9
85°	11.3	13.3	14.2	17.2	18.0	22.8	22.7	22.7	21.7	20.4	20.2
87.5°	6.2	7.3	7.9	10.2	12.3	15.4	16.7	16.2	15.4	14.6	14.7
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):

	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°	892.7	914.7	949.8	976.7	1003.7	1029.8	1058.0	1079.5	1097.8	1104.9	1126.6
5°	717.8	745.3	778.5	838.4	880.8	927.6	981.7	1053.3	1080.8	1118.8	1181.2
7.5°	507.5	532.5	585.9	634.3	694.3	760.6	833.6	932.3	968.4	1029.5	1131.0
10°	379.0	408.0	450.9	491.7	544.6	612.3	696.1	806.5	850.4	916.6	1033.5
12.5°	305.3	339.5	385.0	423.3	464.3	512.1	593.5	714.6	773.4	831.3	949.5
15°	234.6	270.4	312.6	361.3	406.5	458.0	543.3	675.7	743.4	803.8	904.6
17.5°	162.4	193.0	246.2	297.1	354.9	420.8	529.4	684.0	764.8	834.4	912.4
20°	115.1	132.6	176.3	235.2	307.3	390.0	526.8	727.4	832.4	911.9	962.3
22.5°	96.8	103.3	128.7	182.8	266.0	367.0	535.9	788.2	923.7	1025.3	1041.8
25°	88.2	92.1	105.4	143.4	229.2	350.3	566.5	878.9	1036.7	1138.6	1135.7
27.5°	83.5	87.6	96.3	121.1	201.6	340.0	597.1	986.4	1165.9	1261.6	1225.3
30°	82.1	87.6	96.8	114.1	181.8	323.6	622.1	1080.8	1265.3	1344.7	1266.1
32.5°	80.9	81.8	86.0	98.4	163.0	304.5	639.1	1165.5	1362.6	1423.7	1324.9
35°	65.4	69.5	76.3	88.2	152.0	293.0	639.1	1238.5	1458.5	1503.5	1380.9
37.5°	63.0	66.5	72.5	82.7	145.9	287.4	626.4	1308.9	1556.4	1594.0	1427.1
40°	61.7	64.6	70.3	78.5	143.3	280.9	607.7	1371.1	1652.1	1684.6	1470.1
42.5°	60.7	63.3	68.6	75.9	139.9	273.8	592.7	1420.9	1735.1	1762.0	1511.2
45°	60.2	63.0	68.8	77.2	133.1	264.4	587.7	1474.8	1803.5	1826.6	1555.8
47.5°	60.2	63.5	69.6	80.0	125.0	254.7	603.4	1545.9	1868.1	1879.4	1608.2
50°	59.7	63.3	71.9	77.2	113.2	242.4	640.3	1635.4	1938.0	1939.3	1674.6
52.5°	58.8	63.0	77.4	75.6	99.6	226.2	690.1	1750.4	2041.4	2049.2	1778.5
55°	57.6	62.5	75.9	71.9	88.4	206.9	730.9	1890.1	2186.8	2208.3	1931.4
57.5°	56.2	61.8	73.5	66.7	81.1	182.1	745.7	1992.4	2288.3	2342.4	2103.6
60°	54.9	61.4	66.4	63.6	76.6	161.2	717.2	1972.2	2281.4	2397.9	2256.3
62.5°	53.6	61.8	60.5	61.7	74.5	147.8	642.7	1810.1	2165.9	2340.6	2369.4
65°	52.1	57.5	57.1	60.1	74.0	142.5	532.8	1567.1	1942.8	2159.5	2396.1
67.5°	50.2	53.1	54.7	58.0	75.6	137.8	430.0	1292.7	1632.8	1888.0	2256.9
70°	48.1	50.5	52.3	55.4	74.6	135.7	357.6	1019.4	1295.6	1547.4	1982.2
72.5°	45.3	47.4	49.1	52.0	73.7	134.5	302.1	820.9	967.3	1149.4	1611.6
75°	42.1	44.0	45.2	48.1	70.6	123.2	237.5	694.7	723.8	799.6	1283.6
77.5°	38.4	39.8	40.8	44.0	62.5	102.5	171.8	535.9	562.1	580.5	984.1
80°	34.0	35.5	35.9	39.0	51.8	80.1	112.0	395.8	420.4	424.6	642.7
82.5°	29.0	30.4	30.4	33.3	42.4	57.6	73.5	271.2	276.0	290.3	454.3
85°	23.3	24.4	24.4	25.9	32.9	43.1	50.5	136.1	134.7	153.8	393.6
87.5°	16.7	17.5	18.3	18.6	23.5	28.5	30.4	41.4	27.4	31.4	252.7
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°	995.0	995.0	995.0	995.0	995.0	995.0	995.0	995.0
2.5°	1142.9	1152.2	1142.8	1136.0	1106.7	1082.6	1050.3	1033.8
5°	1228.6	1252.1	1244.1	1215.6	1154.4	1085.6	1007.4	972.2
7.5°	1218.2	1272.8	1274.1	1220.8	1130.6	1029.3	923.4	873.2
10°	1137.6	1207.4	1227.3	1175.6	1080.0	966.6	845.2	787.9
12.5°	1047.6	1115.9	1131.1	1113.3	1033.3	919.5	796.3	740.2
15°	973.9	1004.5	1022.7	1038.2	993.4	900.8	793.6	731.9
17.5°	929.1	925.7	930.9	957.9	965.5	922.3	835.7	767.7
20°	912.9	860.9	859.6	896.9	952.4	973.6	917.9	836.3
22.5°	921.8	837.6	826.9	871.1	959.4	1047.6	1025.7	932.7
25°	952.6	839.6	831.0	873.7	984.6	1126.4	1142.1	1057.3
27.5°	1001.0	851.9	840.5	884.4	1018.1	1192.6	1256.8	1178.1
30°	1046.9	873.2	859.2	905.5	1048.7	1218.9	1327.0	1272.3
32.5°	1102.8	913.2	888.5	944.1	1086.6	1260.6	1389.7	1350.3
35°	1157.5	970.2	939.5	1003.9	1128.9	1312.6	1461.2	1450.1
37.5°	1217.6	1044.7	1019.3	1081.1	1186.7	1361.7	1552.5	1566.9
40°	1281.7	1143.4	1113.3	1193.8	1276.3	1423.2	1647.9	1682.5
42.5°	1346.3	1253.0	1217.1	1298.7	1374.9	1483.9	1729.5	1780.8
45°	1420.3	1372.0	1355.0	1443.3	1469.6	1541.7	1789.7	1853.5
47.5°	1506.4	1507.0	1534.4	1569.7	1565.2	1607.1	1850.2	1918.4
50°	1606.9	1675.6	1736.0	1759.4	1663.6	1677.3	1934.3	2005.3
52.5°	1727.7	1877.1	1951.9	1936.5	1769.6	1763.2	2067.3	2125.1
55°	1878.7	2090.5	2164.8	2153.8	1891.5	1880.0	2233.1	2266.8
57.5°	2053.6	2297.2	2365.5	2316.0	2037.9	2008.3	2370.2	2377.4
60°	2207.2	2461.1	2521.0	2466.1	2185.5	2144.7	2455.9	2421.4
62.5°	2292.7	2516.6	2558.7	2499.6	2286.7	2290.1	2474.7	2397.6
65°	2254.5	2376.2	2389.8	2385.0	2260.6	2374.4	2407.2	2287.7
67.5°	2045.3	2021.4	2044.2	2075.8	2037.2	2263.4	2220.2	2048.2
70°	1676.9	1545.2	1590.7	1611.9	1629.4	1947.7	1927.0	1668.3
72.5°	1263.7	1082.6	1118.5	1114.1	1195.1	1562.2	1498.6	1226.6
75°	895.4	734.0	738.5	736.8	833.9	1222.3	1085.2	839.2
77.5°	626.5	531.8	534.2	544.3	560.6	921.8	775.3	613.1
80°	430.8	403.6	417.0	417.8	388.5	619.2	572.8	492.0
82.5°	320.9	280.6	277.3	282.0	304.5	501.7	440.2	341.3
85°	262.7	166.1	133.6	167.4	269.9	496.8	292.4	180.0
87.5°	148.0	78.8	35.6	66.1	107.7	329.0	84.5	23.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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