

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: P526781

Luminaire Tested: **GALN-SA1D-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-730-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3941 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

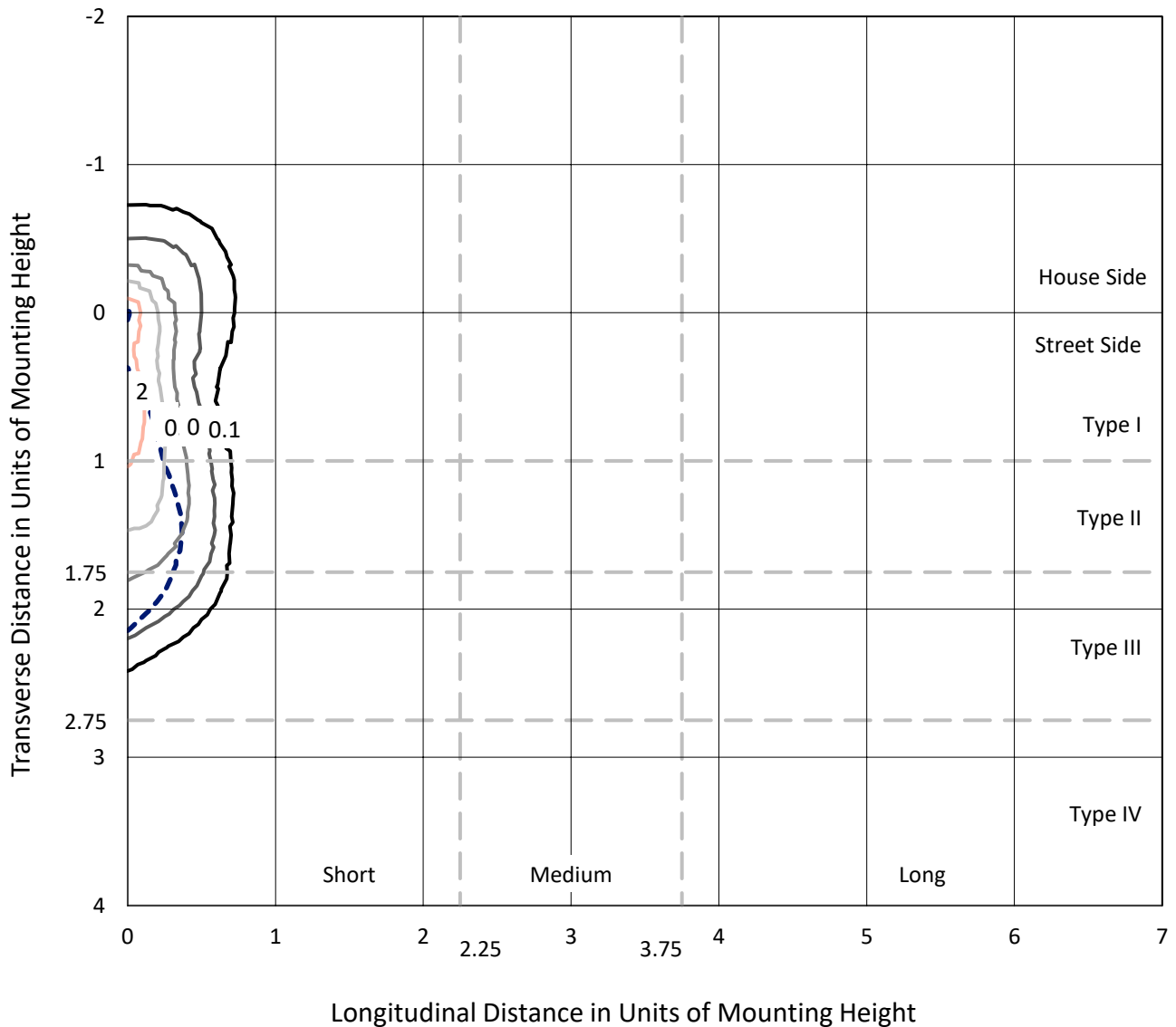
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

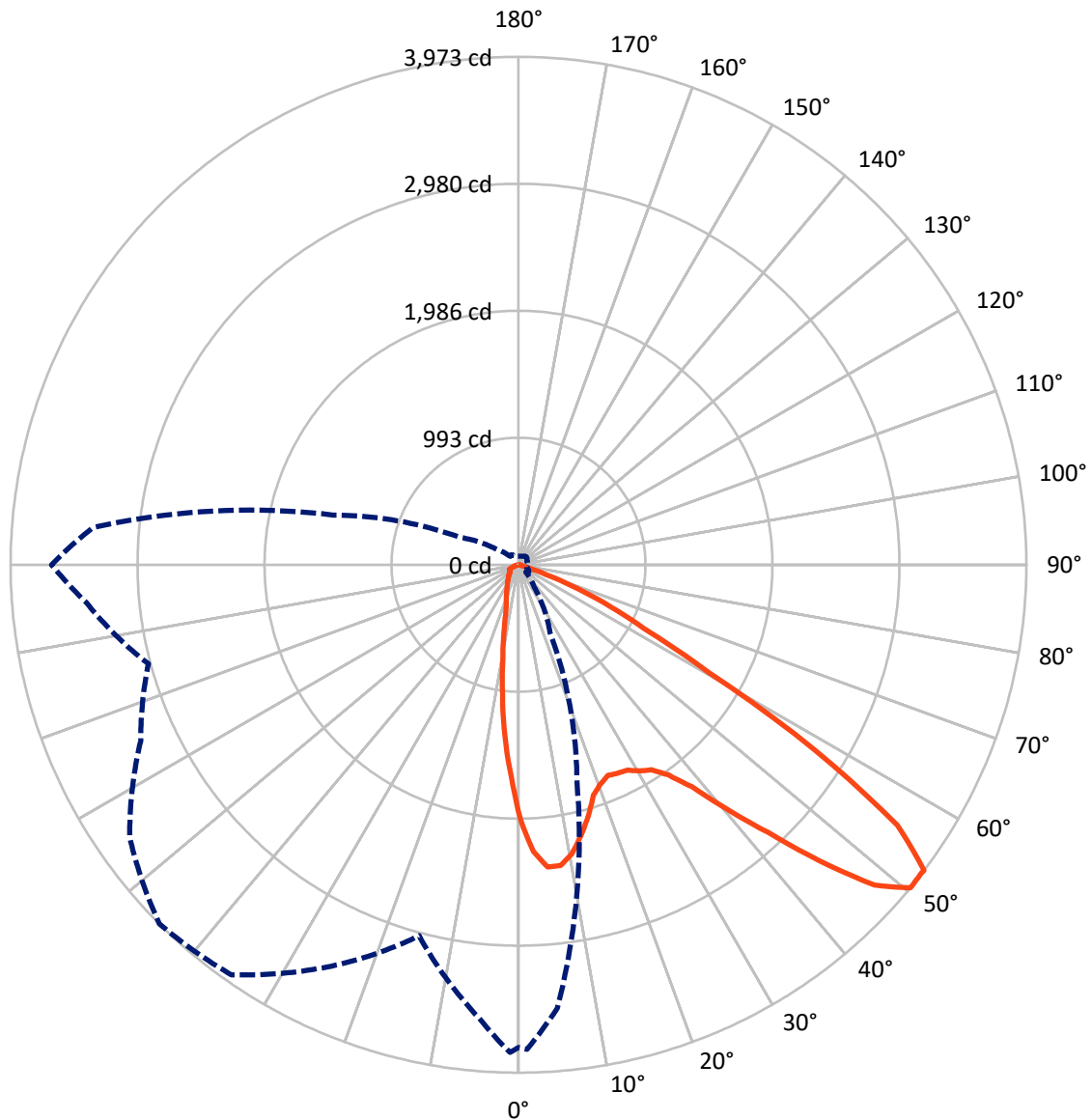
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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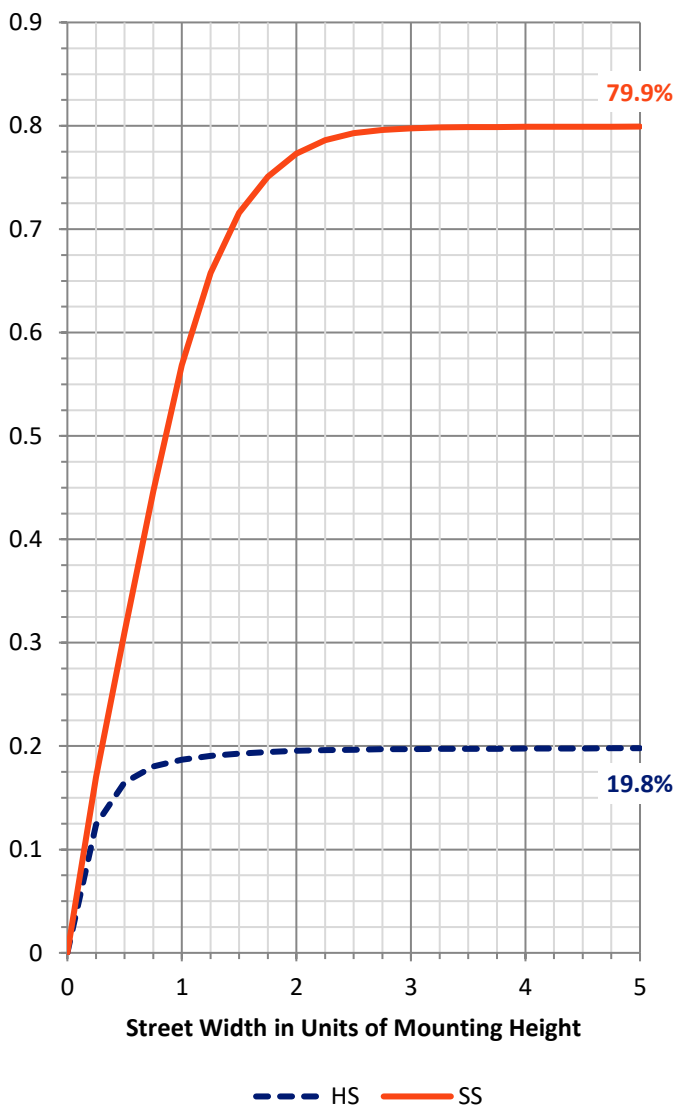
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	789.4	0.0	789.4
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	3151.6	0.0	3151.6
	% Fixture	80.0	0.0	80.0
Total	Lumens	3941.0	0.0	3941.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	3.7
10°-20°	289.5	7.3
20°-30°	435.0	11.0
30°-40°	652.9	16.6
40°-50°	917.5	23.3
50°-60°	989.7	25.1
60°-70°	459.5	11.7
70°-80°	43.2	1.1
80°-90°	8.0	0.2
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°	3941.0	100.0
0°-180°	3941.0	100.0

Coefficient of Utilization

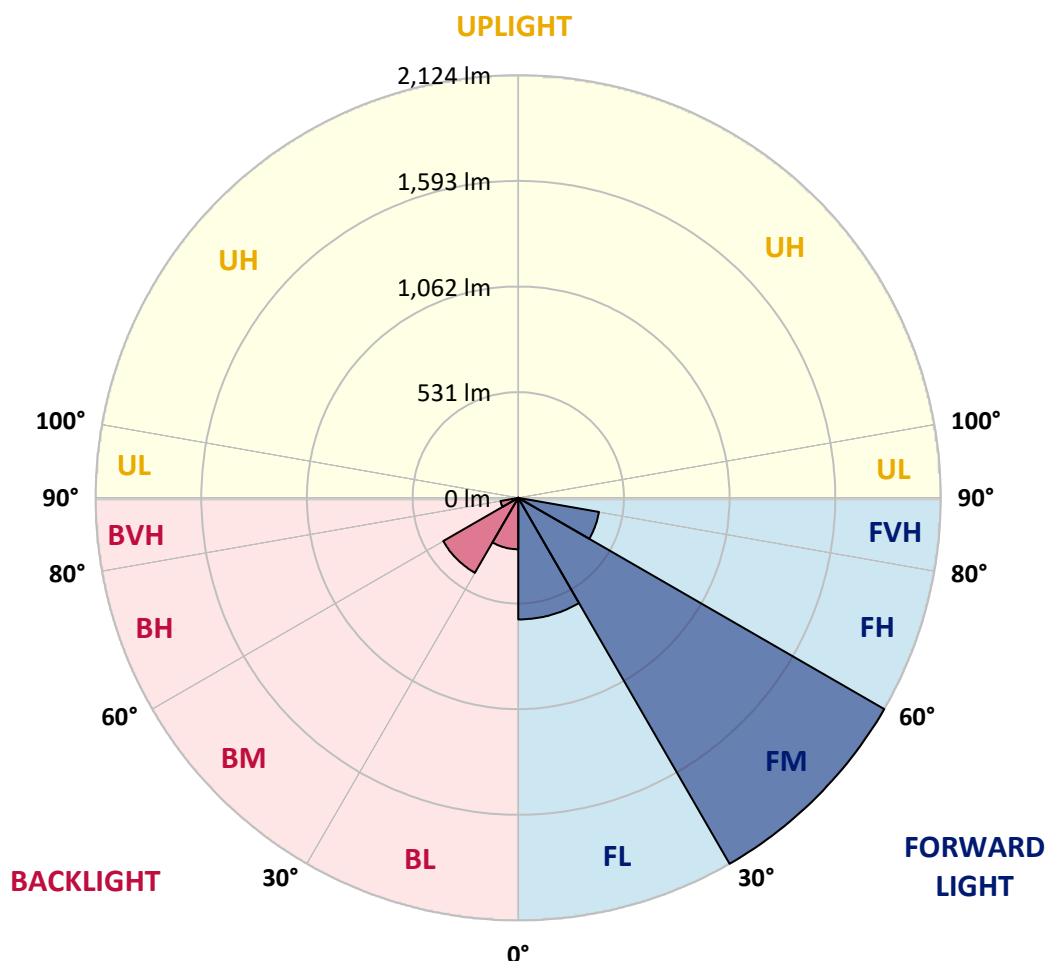


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	611.4	15.5			
FM (30°-60°)	2124.5	53.9			
FH (60°-80°)	412.1	10.5			G0/660
FVH (80°-90°)	3.6	0.1			G0/10
BL (0°-30°)	258.7	6.6	B1/500		
BM (30°-60°)	435.6	11.1	B1/1000		
BH (60°-80°)	90.6	2.3	B0/110		G0/110
BVH (80°-90°)	4.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6
2.5°	2077.6	2045.5	2004.8	1971.2	1921.2	1820.3	1792.9	1760.1	1732.7	1696.0	1644.4
5°	1889.1	1879.0	1860.2	1733.5	1642.0	1520.0	1420.0	1377.7	1322.2	1276.9	1244.0
7.5°	1745.2	1704.6	1645.2	1517.7	1371.5	1240.9	1129.9	1065.0	991.5	966.5	921.9
10°	1591.2	1600.6	1513.0	1334.0	1157.2	1051.7	982.9	920.3	853.9	810.1	746.7
12.5°	1541.9	1511.4	1444.2	1222.9	1072.0	973.5	889.8	812.4	742.0	671.7	610.7
15°	1574.0	1527.1	1433.3	1199.5	1006.3	883.6	778.8	674.0	609.1	519.2	455.9
17.5°	1688.9	1651.4	1525.5	1224.5	972.7	797.6	642.0	534.1	434.7	353.4	321.4
20°	1880.5	1827.3	1669.4	1256.5	922.7	693.6	520.8	387.8	294.0	259.6	241.6
22.5°	2068.2	2039.2	1839.9	1318.3	878.1	601.3	391.0	261.2	219.7	213.5	201.7
25°	2425.5	2338.7	2100.2	1430.1	843.7	514.5	294.8	210.3	186.1	181.4	183.0
27.5°	2638.2	2565.5	2341.1	1504.4	805.4	448.0	249.4	193.1	176.7	166.5	162.6
30°	2842.3	2757.8	2460.7	1548.2	723.3	377.7	221.3	185.3	181.4	166.5	161.9
32.5°	2999.4	2916.6	2633.5	1613.9	689.7	332.3	182.2	144.7	134.5	132.9	147.0
35°	3240.3	3151.9	2781.3	1649.8	663.8	308.9	157.9	129.0	117.3	112.6	113.4
37.5°	3464.7	3404.5	2918.1	1663.9	636.5	301.8	141.5	115.7	105.6	102.4	101.6
40°	3652.3	3517.9	3047.9	1678.8	624.8	288.5	131.4	105.6	98.5	93.8	93.8
42.5°	3738.4	3601.5	3193.4	1670.2	621.6	267.4	131.4	97.0	91.5	86.8	86.0
45°	3719.6	3664.1	3258.3	1666.3	621.6	246.3	119.6	94.6	86.8	80.5	79.0
47.5°	3768.1	3695.3	3339.6	1682.7	609.1	231.4	100.9	99.3	82.1	74.3	72.7
50°	3776.7	3790.7	3481.1	1767.9	581.7	212.7	79.0	97.7	79.0	67.2	65.7
52°	3833.0	3745.4	3524.1	1813.3	552.8	198.6	66.5	83.7	75.8	62.6	61.0
52.5°	3755.6	3812.6	3534.3	1829.7	555.9	189.2	64.1	82.1	74.3	62.6	58.6
55°	3668.8	3723.5	3492.8	1864.9	509.8	148.6	50.0	59.4	67.2	54.7	52.4
57.5°	3188.7	3244.2	3035.4	1707.7	415.2	104.8	41.4	44.6	59.4	50.8	48.5
60°	2834.5	2794.6	2547.5	1424.7	294.8	58.6	32.8	34.4	64.9	46.9	46.1
62.5°	2590.5	2505.3	2129.2	1100.2	179.8	39.1	25.8	26.6	50.0	43.8	43.8
65°	1916.5	1821.1	1414.5	665.4	88.4	27.4	19.5	21.1	31.3	37.5	37.5
67.5°	1093.9	1057.2	683.4	300.3	36.8	17.2	14.9	16.4	24.2	30.5	28.9
70°	502.8	451.2	262.7	63.3	17.2	11.7	11.7	13.3	19.5	22.7	21.1
72.5°	147.0	139.2	64.1	10.2	7.0	7.0	7.8	10.2	14.9	17.2	15.6
75°	10.9	7.0	4.7	3.1	3.1	4.7	6.3	10.2	14.9	16.4	13.3
77.5°	0.8	1.6	0.8	0.8	2.3	4.7	7.0	12.5	19.5	20.3	14.9
80°	0.8	0.8	0.0	0.8	2.3	4.7	7.8	14.1	21.9	23.5	12.5
82.5°	0.0	0.0	0.0	0.8	3.1	6.3	9.4	14.9	20.3	25.0	13.3
85°	0.0	0.0	0.0	0.8	4.7	8.6	10.9	3.9	2.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6
2.5°	1681.1	1660.8	1653.0	1660.0	1657.7	1655.3	1698.3	1688.9	1687.4	1701.5	1698.3
5°	1262.0	1226.0	1324.6	1284.7	1326.1	1351.2	1355.8	1358.2	1387.1	1356.6	1396.5
7.5°	899.2	908.6	907.8	934.4	982.1	1024.3	1049.3	1029.8	1028.2	1024.3	1007.1
10°	718.6	702.2	699.0	692.8	707.6	743.6	774.1	749.9	732.7	756.1	749.1
12.5°	587.2	564.5	552.0	527.0	527.8	552.0	552.0	552.0	569.2	582.5	592.7
15°	450.4	431.6	431.6	406.6	401.1	401.9	414.4	416.0	443.3	451.2	455.1
17.5°	315.1	304.9	316.7	326.8	320.6	322.2	326.8	328.4	332.3	329.2	337.0
20°	242.4	240.8	244.0	261.9	275.2	283.1	277.6	269.8	265.1	254.1	254.1
22.5°	205.6	208.8	214.2	229.1	246.3	251.0	244.7	226.8	212.7	211.1	211.9
25°	183.0	186.1	194.7	204.1	213.5	221.3	215.0	201.7	193.9	186.9	186.9
27.5°	168.9	170.5	175.1	182.2	190.0	196.3	193.9	186.9	178.3	175.1	168.1
30°	157.9	160.3	165.8	167.3	174.4	177.5	173.6	172.0	166.5	162.6	160.3
32.5°	152.5	151.7	155.6	157.2	157.9	160.3	155.6	157.9	157.2	150.9	148.6
35°	114.9	121.2	131.4	140.0	142.3	145.4	144.7	141.5	132.9	125.9	117.3
37.5°	103.2	107.1	112.6	119.6	129.0	132.9	131.4	123.5	113.4	108.7	107.1
40°	95.4	97.7	102.4	107.1	116.5	123.5	118.1	111.0	103.2	99.3	97.0
42.5°	88.4	89.1	91.5	96.2	103.2	114.2	104.8	95.4	92.3	89.9	88.4
45°	80.5	80.5	83.7	86.0	93.8	104.0	94.6	86.0	84.4	82.9	82.1
47.5°	74.3	75.1	76.6	79.8	86.0	93.0	86.8	79.8	75.8	75.1	73.5
50°	66.5	67.2	70.4	73.5	81.3	85.2	81.3	73.5	69.6	67.2	67.2
52°	60.2	62.6	65.7	71.9	77.4	83.7	79.0	70.4	65.7	63.3	61.8
52.5°	59.4	61.0	64.1	71.2	77.4	82.9	78.2	69.6	64.1	62.6	61.0
55°	53.2	55.5	61.0	69.6	76.6	82.9	76.6	68.8	61.0	57.1	55.5
57.5°	50.8	52.4	59.4	70.4	75.8	82.9	76.6	68.8	61.0	54.0	52.4
60°	48.5	51.6	59.4	68.0	75.1	83.7	77.4	68.0	59.4	50.8	50.8
62.5°	46.1	48.5	58.6	66.5	71.9	80.5	74.3	66.5	57.1	48.5	47.7
65°	39.9	43.8	51.6	55.5	61.8	69.6	63.3	57.9	50.0	43.0	42.2
67.5°	30.5	32.1	38.3	43.0	46.9	54.0	50.8	43.8	38.3	32.8	32.8
70°	21.1	22.7	27.4	29.7	33.6	37.5	35.2	29.7	25.8	22.7	21.9
72.5°	14.9	15.6	17.2	18.8	20.3	21.9	21.1	17.2	14.9	14.1	13.3
75°	11.7	13.3	14.1	13.3	12.5	11.7	11.7	10.2	8.6	7.8	7.8
77.5°	11.7	12.5	11.7	10.2	8.6	7.8	7.0	6.3	4.7	3.9	4.7
80°	10.2	10.2	10.2	8.6	7.8	7.0	6.3	5.5	4.7	3.9	3.9
82.5°	10.9	10.9	10.2	8.6	8.6	7.0	7.0	6.3	5.5	3.9	3.9
85°	0.0	0.0	0.0	1.6	3.9	7.0	7.0	6.3	5.5	4.7	4.7
87.5°	0.0	0.0	0.0	0.0	0.8	1.6	3.1	3.9	4.7	4.7	4.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6
2.5°	1726.5	1756.2	1812.5	1868.8	1903.2	1943.8	2017.3	2056.4	2107.3	2132.3	2181.6
5°	1391.0	1461.4	1486.4	1550.5	1619.4	1688.2	1797.6	1918.0	2018.1	2086.9	2176.1
7.5°	1014.9	1031.4	1128.3	1171.3	1283.9	1409.0	1558.4	1710.1	1836.7	1949.3	2017.3
10°	760.8	821.0	882.0	964.1	1054.8	1183.8	1326.9	1494.2	1658.4	1771.0	1857.1
12.5°	611.5	659.2	740.5	828.8	940.6	1025.9	1169.8	1335.5	1548.2	1658.4	1771.8
15°	462.9	523.9	616.2	707.6	825.7	915.6	1061.1	1269.8	1543.5	1695.2	1792.9
17.5°	343.3	384.7	467.6	570.0	690.4	817.1	1013.4	1262.8	1595.9	1776.5	1877.4
20°	262.7	276.8	329.2	420.7	551.3	717.0	936.0	1293.3	1750.7	1974.3	2076.8
22.5°	212.7	218.9	239.3	302.6	429.3	629.4	899.2	1314.4	1925.1	2211.3	2348.1
25°	185.3	183.8	197.0	224.4	335.4	547.3	852.3	1394.2	2138.5	2489.6	2612.4
27.5°	168.9	168.9	175.1	194.7	278.4	494.2	822.6	1451.2	2353.6	2734.4	2800.8
30°	160.3	161.9	179.8	186.1	231.4	430.8	773.3	1509.1	2559.2	2890.8	2982.2
32.5°	148.6	142.3	138.4	154.0	194.7	373.8	724.1	1533.3	2725.8	3082.3	3160.5
35°	114.2	111.0	115.7	127.5	167.3	325.3	669.3	1560.7	2917.3	3304.4	3320.0
37.5°	103.2	102.4	105.6	115.7	140.7	283.1	630.2	1553.7	3063.6	3488.1	3445.9
40°	95.4	95.4	97.7	106.3	125.9	253.3	589.6	1547.4	3205.1	3694.6	3571.0
42.5°	89.1	89.1	93.0	98.5	119.6	233.8	559.1	1538.8	3323.9	3821.2	3644.5
45°	80.5	82.9	89.1	94.6	121.2	220.5	536.4	1506.0	3364.6	3819.7	3609.3
47.5°	74.3	77.4	83.7	91.5	109.5	216.6	520.8	1477.0	3350.5	3725.8	3499.1
50°	67.2	71.2	79.8	93.0	93.0	208.8	504.3	1502.8	3340.4	3653.1	3393.5
52°	62.6	65.7	76.6	90.7	81.3	192.4	494.2	1552.9	3381.8	3643.7	3346.6
52.5°	61.8	64.1	74.3	89.1	77.4	189.2	487.1	1564.6	3395.1	3620.3	3378.7
55°	54.7	57.9	68.0	69.6	63.3	155.6	464.5	1591.2	3329.4	3574.1	3348.2
57.5°	51.6	53.2	60.2	57.1	54.7	117.3	399.6	1549.8	2957.2	3174.6	3115.2
60°	47.7	49.3	56.3	44.6	46.1	82.1	300.3	1345.7	2374.7	2645.2	2752.4
62.5°	46.1	45.4	53.2	36.0	39.1	59.4	211.9	1093.9	1829.7	2177.6	2363.0
65°	40.7	39.9	38.3	30.5	33.6	46.1	126.7	713.9	1289.4	1647.5	1749.2
67.5°	31.3	32.8	28.1	24.2	28.1	36.0	70.4	319.8	676.4	988.3	1070.4
70°	21.9	23.5	22.7	21.1	25.0	29.7	40.7	109.5	279.9	519.2	572.4
72.5°	13.3	16.4	17.2	18.0	21.9	25.8	28.9	35.2	74.3	183.8	228.3
75°	7.8	10.9	13.3	15.6	18.0	21.9	24.2	25.0	25.8	34.4	55.5
77.5°	5.5	7.8	11.7	14.9	18.0	21.9	25.8	27.4	25.8	24.2	25.8
80°	4.7	7.8	10.9	14.1	18.8	22.7	25.8	25.8	25.0	21.9	23.5
82.5°	4.7	7.8	11.7	14.9	18.0	21.9	25.0	25.8	23.5	21.9	22.7
85°	5.5	8.6	12.5	15.6	19.5	18.0	16.4	13.3	12.5	10.2	10.9
87.5°	5.5	7.8	7.8	8.6	9.4	9.4	9.4	8.6	7.0	6.3	6.3
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6	1998.6
2.5°	2183.9	2246.5	2244.1	2245.7	2236.3	2173.0	2142.5	2065.0	2086.9	2077.6
5°	2267.6	2329.3	2382.5	2376.3	2304.3	2218.3	2090.9	1970.4	1937.6	1889.1
7.5°	2183.9	2332.5	2381.7	2374.7	2268.3	2158.1	1954.8	1834.4	1777.3	1745.2
10°	2051.0	2223.0	2284.0	2296.5	2224.6	2057.2	1870.3	1677.2	1646.7	1591.2
12.5°	1975.1	2100.2	2137.8	2171.4	2146.4	2021.3	1806.2	1620.9	1578.7	1541.9
15°	1913.4	1987.6	2003.3	2041.6	2056.4	1989.2	1839.9	1681.9	1577.9	1574.0
17.5°	1970.4	1939.9	1882.9	1894.6	1941.5	1990.0	1926.6	1802.3	1701.5	1688.9
20°	2065.0	1930.6	1801.5	1830.5	1869.6	2018.1	2058.0	1970.4	1912.6	1880.5
22.5°	2173.7	1947.0	1775.7	1789.8	1864.1	2081.5	2270.7	2222.2	2114.3	2068.2
25°	2374.7	1992.3	1796.1	1805.4	1907.1	2169.8	2463.0	2499.0	2434.9	2425.5
27.5°	2570.9	2109.6	1840.6	1819.5	1929.0	2255.8	2579.5	2772.7	2660.1	2638.2
30°	2671.0	2205.0	1907.1	1871.1	2019.7	2308.2	2649.9	2951.0	2852.4	2842.3
32.5°	2824.3	2291.8	1958.7	1912.6	2070.5	2373.1	2781.3	3145.7	3050.3	2999.4
35°	2888.4	2386.4	2072.1	2018.1	2216.0	2463.8	2848.5	3319.2	3289.5	3240.3
37.5°	3012.0	2488.1	2205.8	2202.7	2391.9	2581.9	2969.7	3555.4	3549.9	3464.7
40°	3022.1	2599.1	2416.9	2515.4	2664.0	2787.5	3076.1	3621.1	3710.2	3652.3
42.5°	3037.8	2793.8	2782.1	2863.4	2990.8	2964.3	3080.0	3636.7	3772.8	3738.4
45°	3044.8	2988.5	3153.5	3303.6	3356.8	3195.7	3043.2	3607.0	3805.6	3719.6
47.5°	2988.5	3155.8	3453.7	3743.8	3759.5	3338.0	3027.6	3576.5	3825.1	3768.1
50°	2996.3	3260.6	3713.3	3972.9	3915.8	3463.9	3003.3	3557.7	3815.0	3776.7
52°	2977.5	3262.9	3750.1	3968.2	3928.4	3394.3	2961.9	3485.8	3805.6	3833.0
52.5°	2998.7	3248.9	3711.8	3971.4	3919.8	3428.7	2956.4	3525.7	3811.1	3755.6
55°	2925.9	3081.5	3487.4	3597.6	3589.8	3112.0	2788.3	3393.5	3668.0	3668.8
57.5°	2644.4	2671.0	2735.2	2732.8	2696.8	2446.6	2384.9	3120.6	3270.0	3188.7
60°	2330.1	1955.6	1782.8	1712.4	1672.5	1631.9	2109.6	2854.8	2868.9	2834.5
62.5°	2013.4	1355.8	1126.0	1106.4	1115.8	1264.4	2039.2	2749.2	2664.8	2590.5
65°	1624.8	988.3	817.9	792.1	883.6	1043.9	1650.6	2108.1	1978.3	1916.5
67.5°	1020.4	720.9	552.8	504.3	614.6	718.6	1084.5	1324.6	1179.1	1093.9
70°	605.2	402.7	250.2	224.4	252.6	383.1	607.6	660.7	546.6	502.8
72.5°	238.5	147.8	69.6	59.4	61.8	134.5	223.6	218.2	165.0	147.0
75°	64.1	44.6	24.2	19.5	16.4	25.0	36.0	23.5	8.6	10.9
77.5°	29.7	26.6	21.1	16.4	12.5	9.4	4.7	1.6	1.6	0.8
80°	25.8	22.7	19.5	16.4	12.5	7.8	3.9	0.8	0.8	0.8
82.5°	24.2	21.1	18.0	14.9	11.7	7.8	3.9	0.8	0.0	0.0
85°	10.2	13.3	14.9	14.1	12.5	7.8	3.9	0.8	0.0	0.0
87.5°	5.5	4.7	3.9	3.1	2.3	1.6	1.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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