

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: P526782

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
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-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5309 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

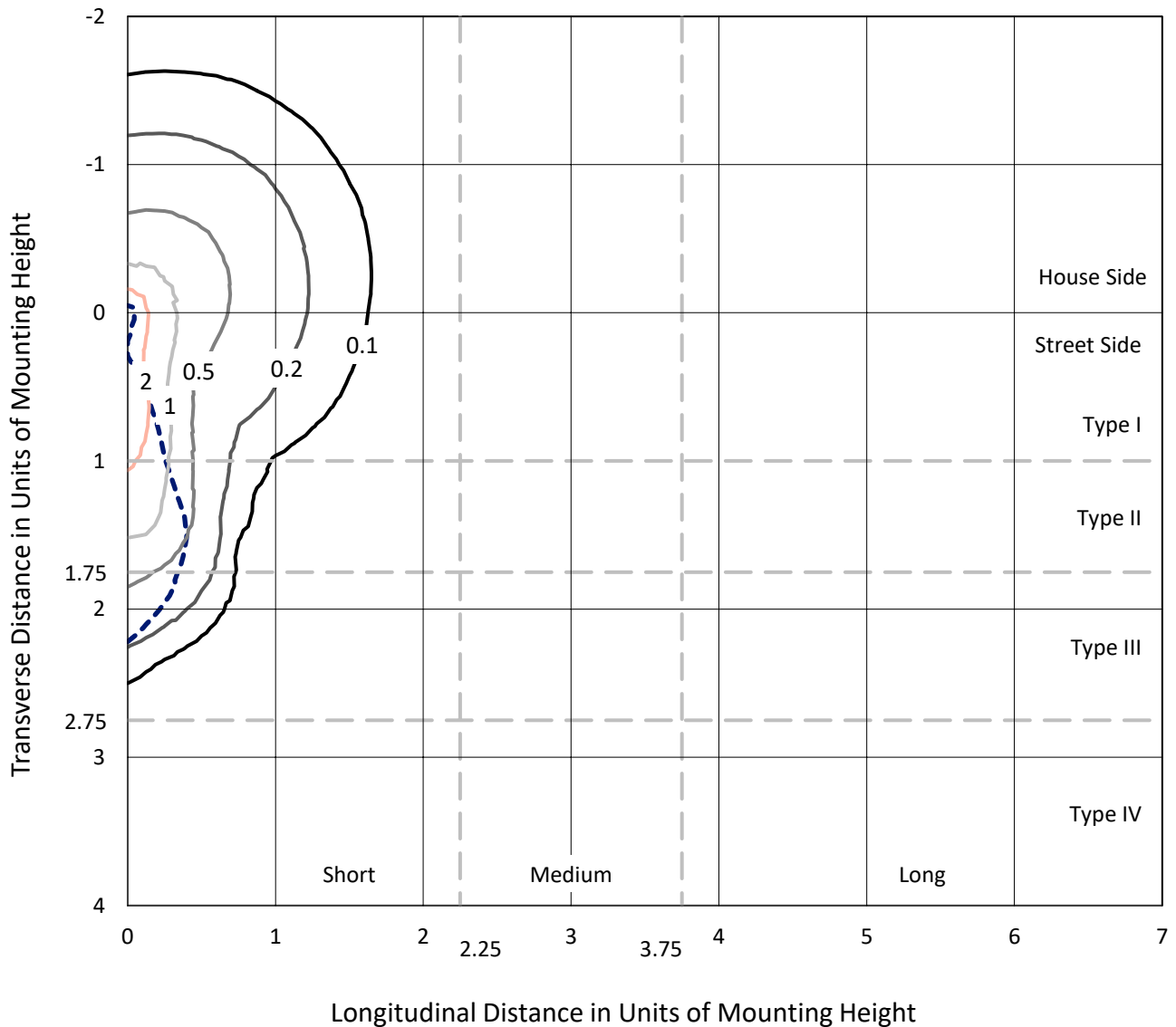
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

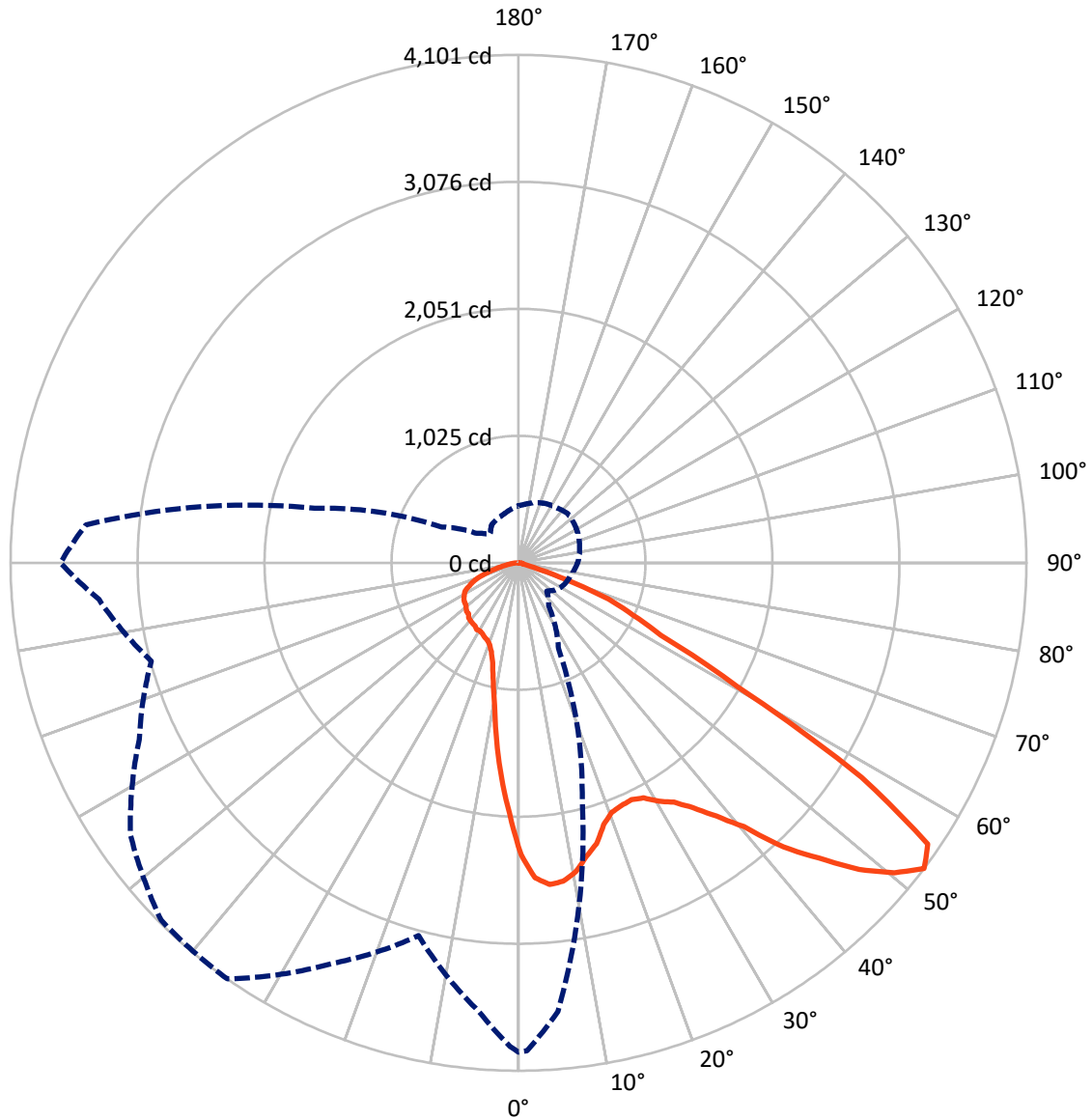
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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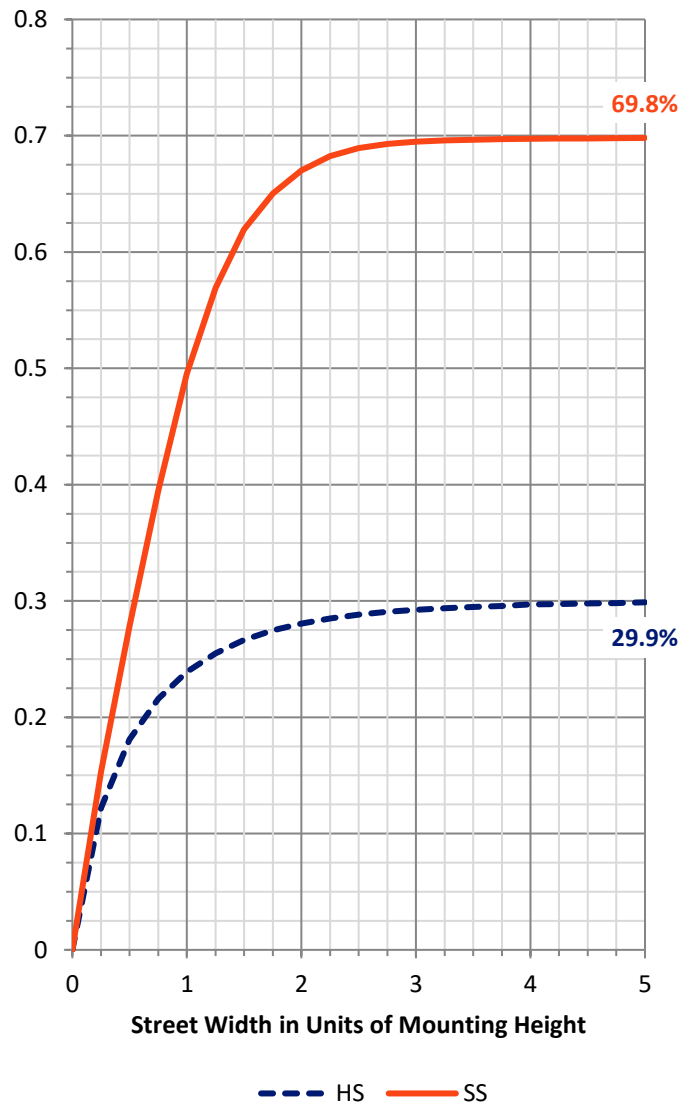
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1600.4	0.0	1600.4
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	3708.6	0.0	3708.6
	% Fixture	69.9	0.0	69.9
Total	Lumens	5309.0	0.0	5309.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.8	3.4
10°-20°	389.7	7.3
20°-30°	588.8	11.1
30°-40°	850.8	16.0
40°-50°	1132.3	21.3
50°-60°	1266.5	23.9
60°-70°	713.8	13.4
70°-80°	159.1	3.0
80°-90°	28.3	0.5
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°	5309.0	100.0
0°-180°	5309.0	100.0

Coefficient of Utilization

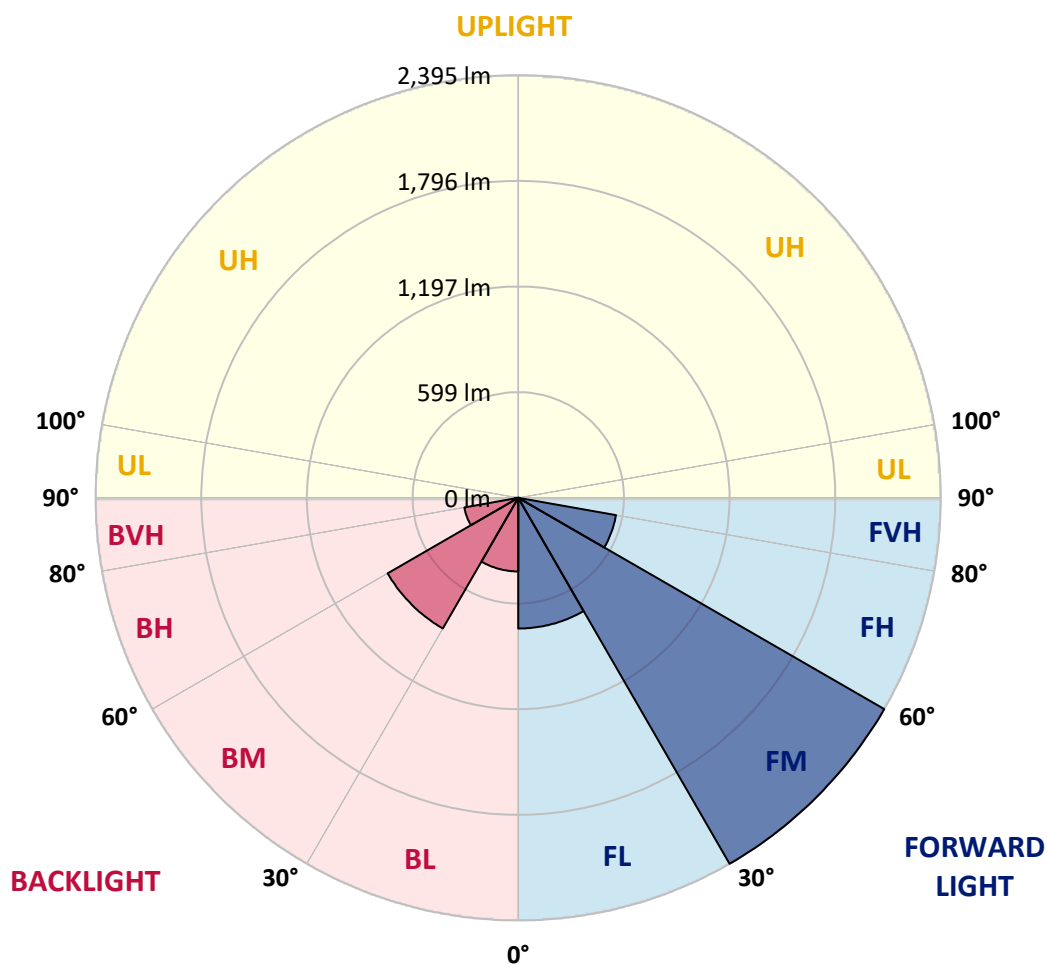


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.9	14.0			
FM (30°-60°)	2394.8	45.1			
FH (60°-80°)	562.7	10.6			G0/660
FVH (80°-90°)	10.3	0.2			G1/100
BL (0°-30°)	417.4	7.9	B1/500		
BM (30°-60°)	854.8	16.1	B1/1000		
BH (60°-80°)	310.2	5.8	B1/500		G1/500
BVH (80°-90°)	18.1	0.3			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2
2.5°	2395.4	2433.9	2392.3	2318.5	2266.1	2218.4	2168.4	2158.4	2093.0	2081.5	2033.8
5°	2259.2	2250.7	2200.0	2103.0	1996.0	1899.1	1827.5	1758.3	1711.3	1656.7	1652.9
7.5°	2093.8	2044.5	2015.3	1868.3	1736.0	1583.6	1518.2	1412.8	1379.7	1330.4	1305.0
10°	1946.0	1909.9	1841.4	1694.4	1509.7	1408.9	1338.9	1282.0	1243.5	1192.7	1128.8
12.5°	1872.9	1858.3	1781.4	1553.6	1416.6	1308.9	1259.6	1204.2	1138.8	1057.3	1025.7
15°	1886.0	1836.8	1778.3	1526.7	1337.4	1233.5	1155.0	1085.7	1001.9	924.2	878.8
17.5°	1983.7	1946.0	1829.1	1543.6	1307.4	1157.3	1015.0	912.6	837.2	767.2	735.6
20°	2176.1	2121.5	1989.9	1565.1	1242.7	1051.1	888.0	761.8	681.0	644.1	633.3
22.5°	2389.3	2356.9	2146.9	1613.6	1191.2	952.6	753.3	627.1	597.1	587.1	607.1
25°	2648.6	2564.7	2390.8	1692.9	1151.2	868.7	639.4	569.4	554.0	564.0	587.1
27.5°	2845.6	2823.2	2561.6	1767.5	1096.5	767.9	575.6	529.4	534.0	544.0	565.6
30°	3079.5	2966.4	2727.1	1819.1	1047.3	698.7	530.9	518.6	523.3	540.2	551.0
32.5°	3220.3	3178.0	2830.9	1896.8	990.3	638.7	496.3	484.8	491.7	517.1	542.5
35°	3399.6	3315.7	2959.4	1916.8	950.3	614.8	471.7	463.2	479.4	497.1	525.6
37.5°	3608.9	3551.2	3137.2	1902.9	928.8	590.2	450.9	447.1	458.6	483.2	516.3
40°	3732.8	3715.1	3230.3	1911.4	894.9	568.7	427.1	431.7	455.5	474.8	507.1
42.5°	3852.0	3736.6	3368.0	1908.3	873.4	539.4	429.4	424.0	442.5	464.8	495.5
45°	3878.2	3763.6	3400.4	1886.8	847.2	510.9	411.7	414.0	436.3	464.0	484.0
47.5°	3861.3	3776.6	3460.4	1880.6	822.6	490.9	385.5	413.2	426.3	448.6	477.1
50°	3849.7	3845.1	3511.2	1909.9	789.5	459.4	354.0	403.2	416.3	438.6	469.4
52.5°	3951.3	3941.3	3638.1	1986.8	763.3	425.5	321.6	377.8	409.4	430.9	460.9
55°	4012.9	3969.0	3855.9	2081.5	719.5	380.9	299.3	346.3	392.4	411.7	442.5
57.5°	3609.7	3579.6	3488.1	1943.0	645.6	322.4	271.6	314.0	369.4	399.4	430.9
60°	3003.3	2956.4	2721.7	1651.3	476.3	250.9	254.7	288.6	363.2	374.7	411.7
62.5°	2831.7	2715.5	2396.2	1328.9	365.5	215.5	228.5	265.5	330.9	350.1	387.1
65°	2246.9	2160.7	1714.4	959.5	244.7	187.0	208.5	239.3	285.5	323.2	357.0
67.5°	1406.6	1324.3	914.9	454.0	170.8	160.1	186.2	218.5	256.2	290.1	327.8
70°	734.9	644.8	422.4	163.9	117.7	130.8	155.4	186.2	223.2	250.9	280.1
72.5°	273.9	222.4	137.7	70.8	81.6	100.0	126.2	148.5	174.7	208.5	224.7
75°	42.3	36.2	35.4	43.1	55.4	72.3	90.0	112.3	135.4	157.0	167.7
77.5°	20.0	19.2	21.5	28.5	36.9	51.6	65.4	87.0	105.4	119.3	125.4
80°	13.1	12.3	13.9	19.2	27.7	38.5	52.3	66.9	83.9	95.4	93.9
82.5°	7.7	8.5	8.5	13.1	19.2	27.7	37.7	50.8	62.3	72.3	66.2
85°	4.6	3.8	3.8	7.7	13.1	22.3	31.5	21.5	22.3	22.3	25.4
87.5°	1.5	1.5	1.5	0.8	1.5	1.5	2.3	3.8	4.6	5.4	6.9
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°	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2
2.5°	2032.2	2056.1	2047.6	2017.6	2040.7	2044.5	2029.1	2082.2	2092.2	2076.1	2080.7
5°	1647.5	1653.6	1667.5	1696.7	1717.5	1742.1	1742.1	1743.7	1722.9	1775.2	1759.8
7.5°	1283.5	1287.4	1303.5	1365.8	1383.5	1430.5	1450.5	1436.6	1395.1	1377.4	1392.0
10°	1108.1	1085.7	1080.4	1088.1	1128.1	1148.1	1165.0	1160.4	1153.5	1139.6	1124.2
12.5°	991.1	974.9	961.9	943.4	945.7	964.9	978.0	967.2	970.3	973.4	978.0
15°	864.1	852.6	845.7	818.0	814.9	828.0	832.6	838.7	850.3	851.1	845.7
17.5°	729.5	719.5	734.9	750.2	739.5	740.2	748.7	754.1	751.0	737.2	730.2
20°	637.1	647.9	663.3	677.9	689.5	696.4	699.5	691.0	681.0	652.5	651.8
22.5°	610.2	624.1	637.1	659.4	670.2	687.9	671.8	652.5	638.7	624.8	608.7
25°	590.2	601.7	627.9	636.4	657.1	671.8	660.2	641.0	617.1	597.1	584.8
27.5°	575.6	588.7	605.6	628.7	644.8	653.3	641.8	634.1	609.4	585.6	567.9
30°	566.3	580.2	611.0	630.2	644.1	651.0	631.0	621.7	604.0	584.0	568.7
32.5°	560.2	572.5	598.7	623.3	632.5	632.5	635.6	624.8	600.2	566.3	553.3
35°	540.2	557.1	578.7	607.1	624.1	634.1	618.7	606.4	590.2	555.6	531.7
37.5°	528.6	540.2	567.9	594.8	609.4	620.2	614.1	592.5	571.0	542.5	523.3
40°	516.3	534.8	559.4	584.8	601.0	611.7	607.1	581.7	555.6	528.6	515.6
42.5°	507.9	520.2	545.6	574.0	593.3	614.1	600.2	568.7	550.2	513.2	498.6
45°	500.9	520.9	547.9	559.4	579.4	601.0	576.3	557.1	535.6	508.6	496.3
47.5°	492.5	510.9	528.6	559.4	568.7	578.7	574.0	543.3	524.8	495.5	487.1
50°	489.4	496.3	528.6	545.6	558.6	568.7	556.3	533.3	515.6	485.5	467.1
52.5°	477.1	490.2	510.9	533.3	549.4	561.7	541.7	527.1	503.2	471.7	460.2
55°	461.7	469.4	506.3	529.4	537.9	546.3	538.6	514.8	490.2	457.8	446.3
57.5°	441.7	459.4	489.4	521.7	532.5	537.1	524.8	505.6	474.8	446.3	427.8
60°	420.9	439.4	472.5	498.6	509.4	526.3	507.9	496.3	460.9	429.4	409.4
62.5°	400.1	420.9	445.5	478.6	487.9	494.8	490.2	474.0	445.5	410.1	385.5
65°	375.5	390.9	421.7	438.6	444.8	460.9	444.8	438.6	413.2	379.4	358.6
67.5°	338.6	351.7	378.6	394.7	399.4	406.3	405.5	398.6	370.1	347.0	328.6
70°	296.3	307.8	324.7	344.0	346.3	354.7	347.0	345.5	327.0	295.5	285.5
72.5°	237.8	248.5	270.9	279.3	280.1	283.2	279.3	273.9	269.3	236.2	226.2
75°	182.4	188.5	199.3	207.0	207.0	210.8	208.5	203.1	190.8	170.1	160.1
77.5°	127.0	133.1	147.0	151.6	150.8	152.4	145.4	140.0	121.6	110.8	102.3
80°	92.3	96.2	103.1	106.2	107.0	109.3	100.8	96.2	85.4	73.1	69.3
82.5°	66.9	69.3	70.0	73.9	73.9	70.0	67.7	63.1	55.4	47.7	44.6
85°	27.7	28.5	29.2	33.9	34.6	41.6	38.5	36.2	31.5	26.9	24.6
87.5°	6.9	7.7	10.0	8.5	10.0	10.0	10.8	12.3	12.3	10.0	10.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2
2.5°	2098.4	2104.5	2183.0	2193.0	2231.5	2270.8	2350.0	2407.0	2453.1	2483.1	2491.6
5°	1776.0	1815.2	1851.4	1909.9	1963.0	2038.4	2125.3	2233.0	2368.5	2437.7	2465.4
7.5°	1390.5	1436.6	1489.0	1545.9	1623.6	1759.0	1875.2	1999.9	2173.0	2244.6	2353.1
10°	1135.0	1186.5	1255.8	1299.7	1393.5	1522.8	1658.2	1802.1	1967.6	2070.7	2196.1
12.5°	1003.4	1045.7	1109.6	1201.9	1272.0	1355.8	1456.6	1638.2	1875.2	1973.0	2059.1
15°	858.0	904.9	978.8	1081.1	1165.0	1265.0	1378.1	1575.9	1828.3	1979.1	2052.2
17.5°	737.9	771.8	849.5	938.0	1034.2	1143.5	1305.8	1572.8	1877.5	2070.7	2190.0
20°	654.8	659.4	701.8	777.2	908.0	1050.3	1261.2	1557.4	2035.3	2228.4	2379.3
22.5°	602.5	597.9	598.7	662.5	754.1	958.8	1191.2	1609.8	2214.6	2479.3	2580.9
25°	576.3	564.0	556.3	570.2	653.3	850.3	1138.1	1679.0	2407.7	2686.3	2810.9
27.5°	562.5	540.9	525.6	527.9	588.7	795.6	1105.0	1709.0	2599.3	2974.8	3018.7
30°	557.1	530.2	507.9	500.2	540.2	719.5	1034.2	1760.6	2770.9	3133.3	3171.1
32.5°	537.9	504.8	483.2	476.3	492.5	652.5	983.4	1797.5	2922.5	3305.7	3292.6
35°	515.6	487.9	460.9	447.8	459.4	609.4	942.6	1779.8	3101.0	3439.6	3432.7
37.5°	513.2	477.1	454.8	433.2	432.5	556.3	887.2	1796.8	3214.9	3679.7	3585.0
40°	493.2	470.2	440.9	423.2	413.2	529.4	833.4	1756.7	3381.9	3776.6	3683.5
42.5°	494.0	459.4	434.0	413.2	403.2	490.2	796.4	1746.0	3440.4	3934.4	3729.7
45°	481.7	447.8	426.3	401.7	396.3	460.2	761.0	1695.9	3543.5	3942.1	3672.0
47.5°	469.4	439.4	416.3	387.1	374.7	449.4	733.3	1654.4	3489.6	3869.7	3592.0
50°	460.9	426.3	404.7	384.0	349.3	430.9	697.2	1644.4	3414.2	3772.0	3443.5
52.5°	446.3	415.5	393.2	377.0	321.6	414.0	683.3	1702.9	3506.5	3698.9	3400.4
55°	432.5	400.9	372.4	340.9	298.6	369.4	644.8	1757.5	3641.2	3867.4	3595.8
57.5°	417.8	387.8	357.0	319.3	276.2	323.2	604.8	1767.5	3388.8	3574.3	3413.4
60°	398.6	360.1	337.0	287.8	252.4	267.8	479.4	1558.2	2628.6	2984.8	2990.2
62.5°	377.0	335.5	315.5	257.8	227.8	230.8	390.9	1309.7	2132.2	2470.8	2617.8
65°	348.6	308.6	284.7	238.5	210.1	200.1	286.2	959.5	1619.8	2004.5	2171.5
67.5°	311.6	273.9	243.9	207.8	187.8	171.6	195.4	540.2	956.5	1345.8	1396.6
70°	272.4	240.1	208.5	178.5	156.2	144.7	143.1	239.3	457.1	724.1	824.1
72.5°	214.7	191.6	166.2	143.9	129.3	112.3	102.3	99.3	154.7	294.7	407.1
75°	153.9	134.7	120.0	105.4	94.6	85.4	77.7	70.8	64.6	73.9	101.6
77.5°	97.0	90.0	78.5	74.6	68.5	66.2	63.1	59.3	54.6	51.6	51.6
80°	65.4	60.8	56.9	56.2	53.9	53.1	53.9	50.0	45.4	41.6	43.1
82.5°	43.9	43.1	42.3	41.6	42.3	43.1	44.6	43.9	40.0	37.7	38.5
85°	26.2	27.7	29.2	30.8	33.9	30.0	24.6	20.8	18.5	16.9	16.2
87.5°	10.0	13.9	12.3	11.5	12.3	11.5	10.8	10.0	8.5	7.7	7.7
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2	2356.2
2.5°	2547.8	2563.2	2576.2	2573.2	2546.2	2510.1	2495.4	2420.8	2405.4	2395.4
5°	2582.4	2671.7	2690.9	2679.4	2609.3	2520.8	2434.7	2325.4	2261.5	2259.2
7.5°	2518.5	2628.6	2663.2	2689.4	2596.2	2442.3	2294.6	2130.7	2090.7	2093.8
10°	2356.2	2531.6	2617.0	2644.0	2537.0	2403.9	2199.2	2033.0	1947.6	1946.0
12.5°	2266.1	2403.9	2427.7	2465.4	2433.9	2299.2	2143.8	1957.6	1874.5	1872.9
15°	2186.1	2276.9	2283.8	2336.9	2353.9	2263.1	2158.4	1959.9	1892.9	1886.0
17.5°	2256.1	2193.0	2166.9	2173.8	2223.8	2256.9	2243.1	2090.7	2022.2	1983.7
20°	2303.1	2162.3	2083.0	2090.7	2149.9	2270.8	2369.2	2280.0	2171.5	2176.1
22.5°	2428.5	2166.9	2043.0	2034.5	2128.4	2343.1	2511.6	2519.3	2414.6	2389.3
25°	2616.3	2220.0	2030.7	2028.4	2118.4	2420.8	2677.8	2802.5	2695.5	2648.6
27.5°	2767.1	2303.1	2069.1	2076.8	2149.9	2483.9	2819.4	2984.8	2903.3	2845.6
30°	2899.4	2389.3	2123.0	2087.6	2234.6	2517.0	2880.2	3192.6	3127.2	3079.5
32.5°	2954.1	2511.6	2208.4	2149.9	2304.6	2557.0	3006.4	3394.2	3338.0	3220.3
35°	3046.4	2580.1	2254.6	2250.0	2427.0	2653.2	3065.6	3527.3	3504.2	3399.6
37.5°	3120.3	2649.3	2418.5	2367.7	2594.7	2814.8	3161.0	3711.2	3658.1	3608.9
40°	3177.2	2773.2	2571.6	2638.6	2800.9	2961.8	3248.8	3722.8	3875.9	3732.8
42.5°	3124.9	2884.0	2823.2	2983.3	3137.2	3129.5	3258.8	3812.0	3926.7	3852.0
45°	3111.8	3071.8	3221.1	3366.5	3401.9	3268.8	3187.2	3713.5	3911.3	3878.2
47.5°	3080.3	3256.5	3516.6	3753.6	3699.7	3361.9	3101.8	3695.8	3920.5	3861.3
50°	3069.5	3296.5	3735.1	3965.9	3933.6	3442.7	3061.8	3582.0	3855.1	3849.7
52.5°	3068.7	3378.8	3825.9	4081.4	4101.4	3570.4	3116.4	3639.7	3905.9	3951.3
55°	3103.3	3352.7	3814.3	4017.5	4009.8	3513.5	3122.6	3678.1	3968.2	4012.9
57.5°	2927.1	3003.3	3148.0	3308.8	3267.2	2910.2	2788.6	3400.4	3642.0	3609.7
60°	2527.8	2289.2	2126.1	2118.4	2037.6	1926.0	2282.3	3034.9	3034.9	3003.3
62.5°	2213.8	1502.8	1291.2	1231.2	1288.9	1417.4	2201.5	2951.7	2867.9	2831.7
65°	1936.0	1147.3	933.4	916.5	1016.5	1210.4	1990.7	2514.7	2366.9	2246.9
67.5°	1245.8	840.3	694.1	664.1	784.9	888.8	1325.1	1546.7	1453.6	1406.6
70°	803.3	547.1	386.3	362.4	409.4	547.9	846.4	901.8	766.4	734.9
72.5°	380.1	236.2	135.4	111.6	125.4	209.3	334.7	360.1	299.3	273.9
75°	120.8	87.0	55.4	47.7	45.4	53.9	76.9	59.3	43.1	42.3
77.5°	53.9	51.6	43.9	36.9	32.3	26.9	22.3	18.5	19.2	20.0
80°	44.6	40.8	36.2	32.3	26.9	20.8	16.2	12.3	12.3	13.1
82.5°	39.2	35.4	31.5	26.9	23.1	16.9	12.3	8.5	7.7	7.7
85°	16.9	20.0	21.5	23.1	18.5	13.9	8.5	5.4	4.6	4.6
87.5°	6.9	6.2	5.4	4.6	3.8	3.8	3.1	2.3	1.5	1.5
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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