

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: P530446

Luminaire Tested: **GALN-SA5C-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5C-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20836 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 269
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

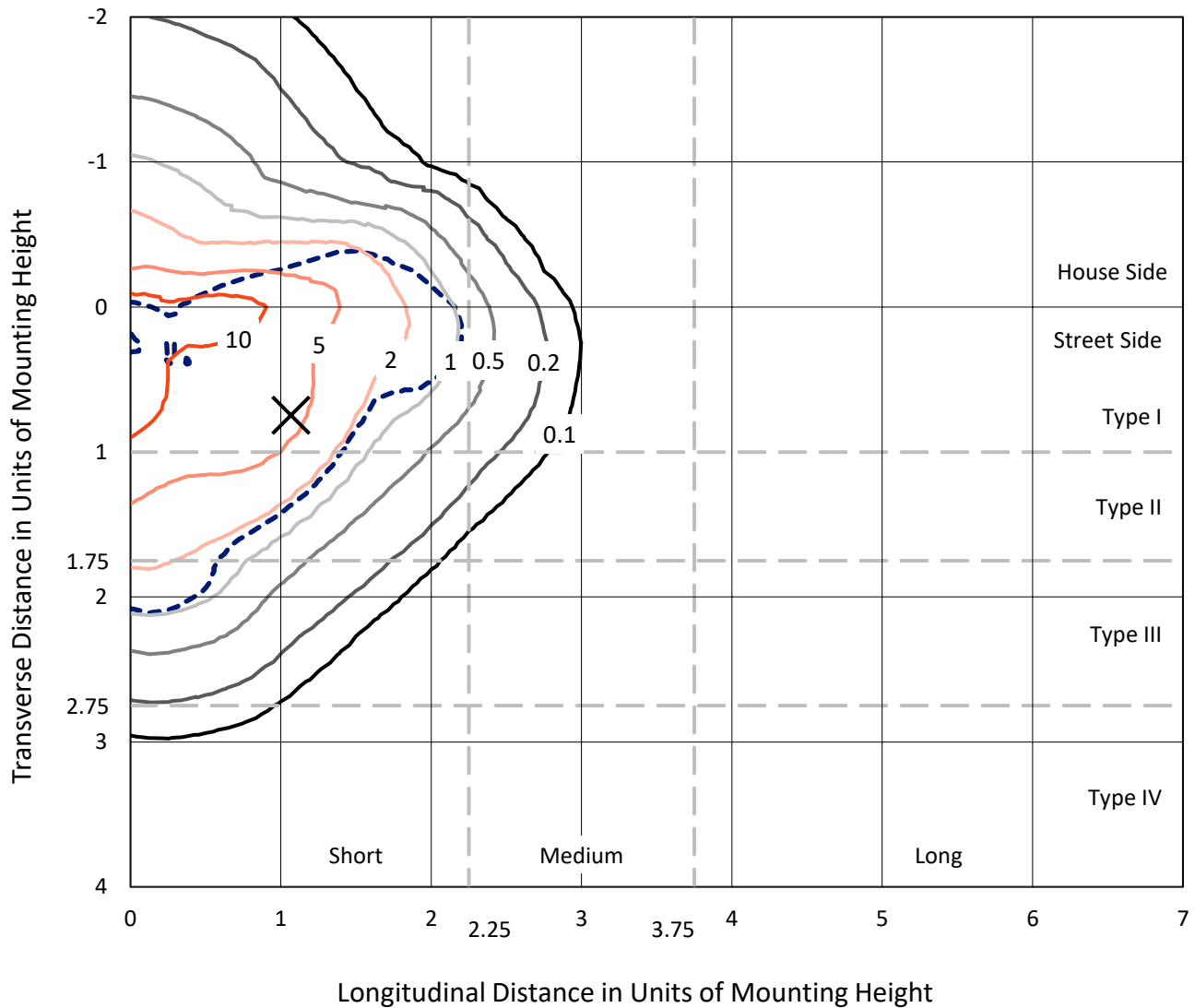


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

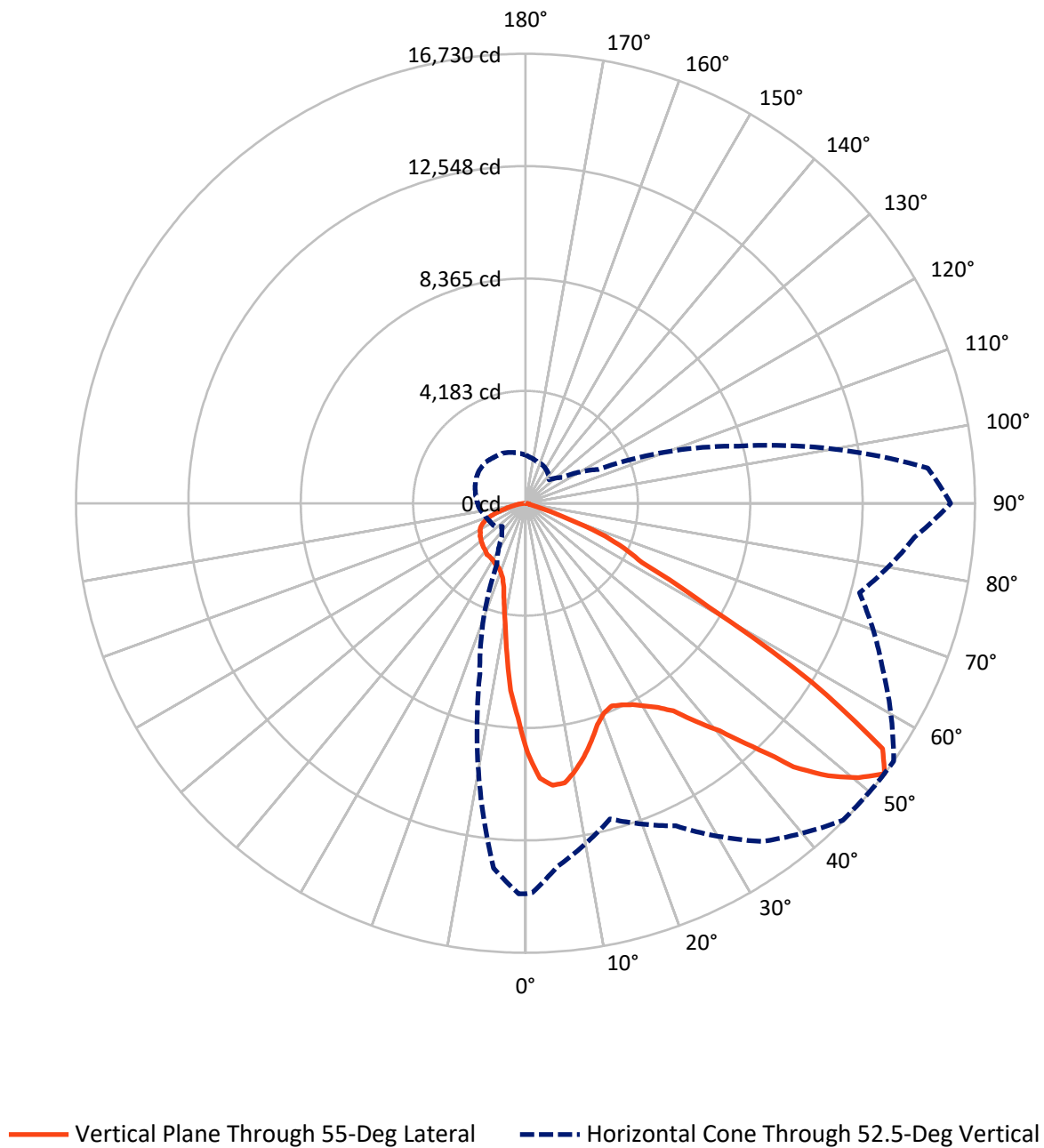


Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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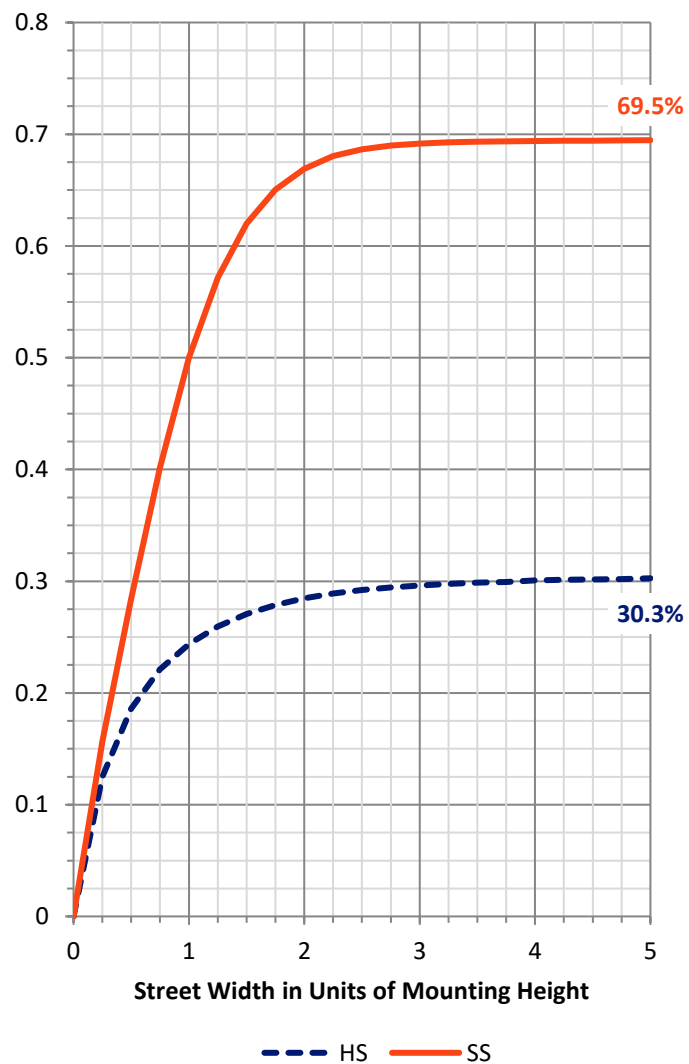
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6356.1	0.0	6356.1
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	14479.9	0.0	14479.9
	% Fixture	69.5	0.0	69.5
Total	Lumens	20836.0	0.0	20836.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.1	3.4
10°-20°	1531.0	7.3
20°-30°	2321.5	11.1
30°-40°	3354.3	16.1
40°-50°	4482.2	21.5
50°-60°	5003.1	24.0
60°-70°	2744.4	13.2
70°-80°	593.3	2.8
80°-90°	96.0	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°	20836.0	100.0
0°-180°	20836.0	100.0

Coefficient of Utilization



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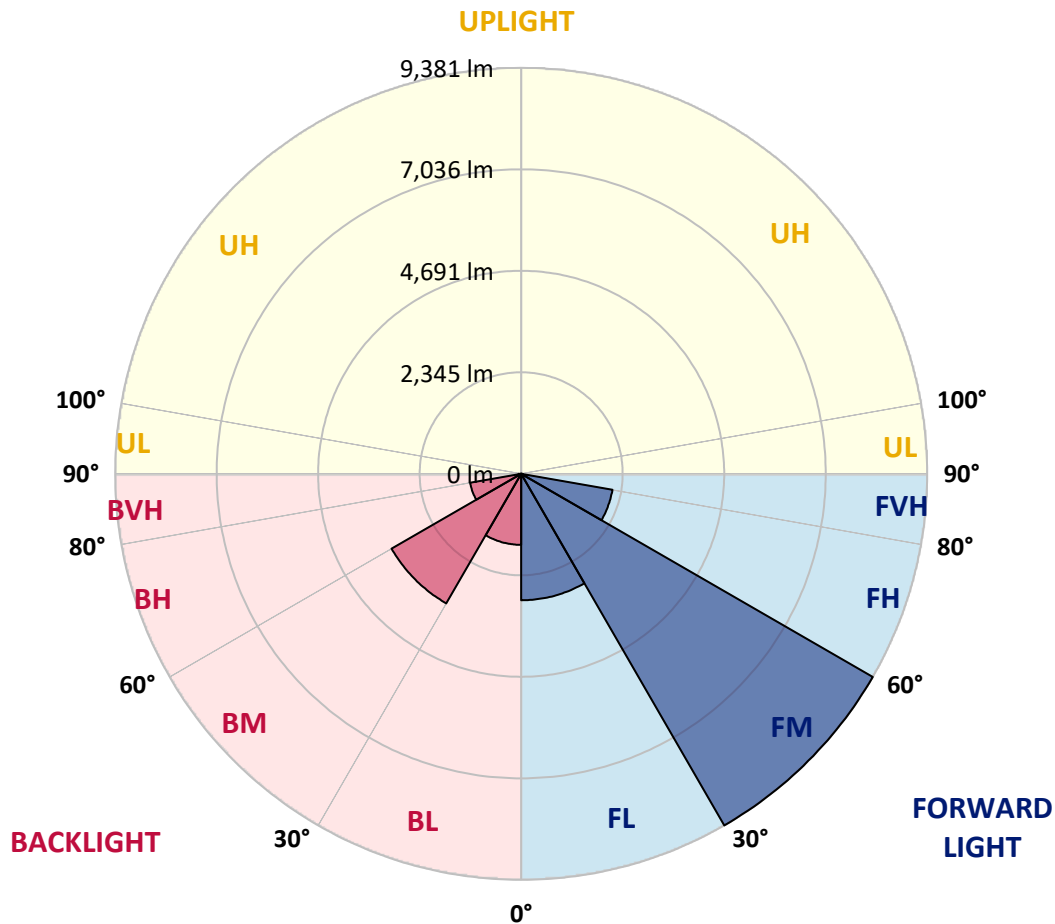
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2921.6	14.0			
FM	(30°-60°)	9381.3	45.0			
FH	(60°-80°)	2141.4	10.3			G2/5000
FVH	(80°-90°)	35.5	0.2			G1/100
BL	(0°-30°)	1641.1	7.9	B3/2500		
BM	(30°-60°)	3458.2	16.6	B3/5000		
BH	(60°-80°)	1196.4	5.7	B3/2500		G3/2500
BVH	(80°-90°)	60.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5
2.5°	9753.9	9699.1	9747.8	9979.0	10112.9	10204.1	10261.9	10252.8	10033.8	9820.8	9820.8
5°	9467.9	9397.9	9498.3	10021.6	10547.9	10593.6	10669.6	10544.9	10222.4	9833.0	9346.2
7.5°	8640.4	8692.1	8859.4	9547.0	10231.5	10575.3	10666.6	10508.4	9985.1	9258.0	8543.0
10°	7925.4	8047.1	8433.5	9175.8	9805.6	10252.8	10353.2	10131.1	9717.4	8825.9	8187.0
12.5°	7679.0	7602.9	8031.9	8774.2	9376.6	9617.0	9662.6	9677.8	9397.9	8606.9	7828.0
15°	7648.5	7697.2	8031.9	8594.7	8965.9	8978.1	9054.1	9172.8	9209.3	8756.0	7995.4
17.5°	8086.6	8028.8	8372.6	8819.9	8643.4	8466.9	8485.2	8655.6	8956.8	8883.7	8521.7
20°	8734.7	8865.5	9136.3	9090.6	8616.0	8168.8	8171.8	8333.1	8926.3	9413.1	9254.9
22.5°	9811.7	9939.5	10140.2	9589.6	8616.0	8080.6	7977.1	8196.2	9121.1	10042.9	10082.4
25°	10794.4	11028.6	11083.4	10435.4	9048.0	8162.7	8095.8	8311.8	9315.8	10657.5	11031.7
27.5°	11688.8	11774.0	12014.4	10979.9	9288.4	8217.5	8211.4	8488.2	9562.2	10964.7	11880.5
30°	12394.7	12385.5	12522.4	11323.7	9671.7	8524.7	8229.6	8752.9	9884.7	11472.8	12665.4
32.5°	12875.3	12978.8	13267.8	11801.4	9833.0	8816.8	8585.6	9063.2	10277.2	11713.2	13219.1
35°	13721.1	13900.6	13535.5	12066.1	10344.1	9105.8	8835.1	9486.1	10471.9	11974.8	13897.6
37.5°	14518.2	14381.3	14010.2	12209.1	10675.7	9641.3	9388.8	10304.5	11077.3	12543.7	14347.9
40°	15029.4	15026.3	14366.1	12324.7	10910.0	10459.7	10444.5	11135.1	11819.6	12902.7	14852.9
42.5°	15251.4	15464.4	14512.1	12312.5	11402.8	11451.5	11758.8	12376.4	12346.0	12975.7	14840.7
44°	15555.7	15683.5	14764.7	12339.9	11731.4	12120.8	12844.9	13237.4	12805.4	12936.2	14825.5
45°	15543.5	15552.6	14405.7	12376.4	12011.3	12680.6	13328.7	13991.9	13210.0	12851.0	15026.3
47.5°	15187.6	15084.1	14101.4	12105.6	12884.5	14159.2	14758.6	15160.2	13709.0	12668.5	14776.8
50°	14484.8	14366.1	13362.1	11990.0	13067.0	15078.0	15905.6	16051.6	14162.3	12489.0	14530.4
52.5°	14533.4	14500.0	13572.1	12163.4	13249.6	15367.1	16693.5	16730.0	14676.4	12866.2	14533.4
55°	15403.6	15288.0	14174.4	12379.4	13115.7	15029.4	16191.5	16127.7	14503.0	12638.0	14801.2
57.5°	14095.3	14171.4	13340.8	11524.5	11478.9	12218.2	12729.3	12571.1	12102.6	11405.9	13769.8
60°	11372.4	11588.4	11667.5	9638.3	8661.7	8281.4	8129.2	7849.3	7928.4	9370.5	12096.5
62.5°	9753.9	9741.7	10237.6	8737.7	5674.0	4880.0	4807.0	4870.8	5783.6	9224.5	11847.0
65°	7733.7	7940.6	8092.7	7405.2	4490.6	3623.5	3620.4	4025.1	5004.7	7709.4	9565.2
67.5°	4910.4	5181.2	5369.8	4737.0	3002.8	2579.9	2510.0	2996.7	3468.3	5056.4	5759.2
70°	2768.6	2896.3	2981.5	2732.1	1910.6	1338.6	1259.5	1375.2	2096.2	3273.6	3413.5
72.5°	1067.9	1125.7	1241.3	1250.4	721.0	432.0	349.9	419.8	882.3	1296.1	1235.2
75°	164.3	176.5	249.5	298.2	206.9	158.2	167.3	173.4	246.4	334.7	279.9
77.5°	79.1	79.1	76.1	88.2	103.4	112.6	121.7	133.9	146.0	161.2	155.2
80°	51.7	51.7	51.7	60.8	76.1	91.3	103.4	109.5	115.6	127.8	121.7
82.5°	33.5	33.5	33.5	45.6	60.8	76.1	82.1	97.4	109.5	127.8	118.7
85°	18.3	18.3	18.3	30.4	45.6	63.9	60.8	48.7	27.4	3.0	6.1
87.5°	6.1	6.1	6.1	6.1	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°	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5
2.5°	9565.2	9425.3	9413.1	9127.1	8871.6	8746.8	8646.4	8366.5	8427.4	8266.1	8263.1
5°	9102.8	8816.8	8354.4	7974.1	7593.8	7517.7	7186.1	6897.1	6906.2	6699.3	6735.8
7.5°	8272.2	8074.5	7511.6	6915.3	6410.3	6051.3	5737.9	5549.3	5309.0	5226.8	5184.2
10°	7745.9	7502.5	6869.7	6121.3	5555.4	5363.7	5062.5	4895.2	4648.8	4527.1	4441.9
12.5°	7514.7	7158.7	6367.7	5607.1	5229.8	5032.1	4776.5	4472.3	4180.2	4067.7	3912.5
15°	7539.0	7113.1	6221.7	5400.2	4946.9	4563.6	4335.4	3997.7	3699.5	3501.8	3389.2
17.5°	7907.1	7389.9	6288.6	5242.0	4590.9	4110.3	3663.0	3297.9	3060.6	2911.6	2875.0
20°	8777.3	8074.5	6401.2	4986.5	4235.0	3635.6	3085.0	2704.7	2522.1	2519.1	2522.1
22.5°	9501.3	8804.6	6629.3	4834.3	3879.0	3027.2	2479.5	2357.8	2321.3	2397.4	2406.5
25°	10478.0	9626.1	7021.8	4755.2	3550.5	2579.9	2242.2	2196.6	2193.6	2290.9	2294.0
27.5°	11478.9	10344.1	7256.1	4524.0	3215.8	2348.7	2099.2	2090.1	2138.8	2242.2	2233.1
30°	12160.4	10946.5	7679.0	4247.2	2820.3	2144.9	2041.4	2053.6	2120.5	2199.6	2211.8
32.5°	12954.4	11539.7	7788.5	4095.0	2576.9	1974.5	1901.5	1928.9	2014.1	2138.8	2205.7
35°	13864.1	11959.6	7955.8	3888.2	2485.6	1843.7	1807.2	1837.6	1941.0	2023.2	2096.2
37.5°	14536.5	12701.9	7986.2	3726.9	2385.2	1770.7	1712.9	1813.3	1874.1	1989.7	2026.2
40°	15035.4	13240.4	8065.3	3626.5	2306.1	1676.4	1676.4	1743.3	1825.4	1931.9	2004.9
42.5°	15354.9	13632.9	8123.2	3535.2	2154.0	1649.0	1633.8	1700.7	1810.2	1913.7	1947.1
44°	15549.6	13800.2	8065.3	3450.1	2111.4	1615.5	1615.5	1673.3	1758.5	1880.2	1919.7
45°	15598.3	14010.2	7937.6	3447.0	2059.7	1576.0	1569.9	1679.4	1737.2	1886.3	1910.6
47.5°	15786.9	14268.8	7952.8	3349.7	1935.0	1481.6	1588.1	1636.8	1688.5	1819.3	1901.5
50°	15780.8	14430.0	7919.3	3206.7	1843.7	1375.2	1551.6	1606.4	1658.1	1792.0	1825.4
52.5°	15823.4	15032.4	8226.6	2978.5	1679.4	1238.2	1429.9	1551.6	1615.5	1728.1	1798.0
55°	15802.1	15376.2	8530.8	2808.1	1448.2	1156.1	1326.5	1469.5	1560.7	1679.4	1712.9
57.5°	14433.0	13590.3	7895.0	2488.7	1198.7	1058.7	1180.4	1384.3	1499.9	1621.6	1664.2
60°	11792.3	10474.9	6510.7	1831.5	985.7	973.6	1098.3	1356.9	1405.6	1512.1	1585.1
62.5°	10897.8	9188.0	5162.9	1399.5	842.7	891.4	1013.1	1226.1	1302.1	1433.0	1499.9
65°	8527.8	6103.0	3197.5	946.2	742.3	800.1	915.8	1074.0	1198.7	1320.4	1399.5
67.5°	5050.3	3334.4	1582.0	663.2	648.0	708.9	827.5	946.2	1089.2	1223.0	1262.6
70°	2750.3	1639.8	675.4	505.0	550.7	605.4	721.0	803.2	940.1	1043.5	1110.5
72.5°	882.3	499.0	337.7	374.2	419.8	483.7	553.7	654.1	751.5	812.3	867.1
75°	213.0	209.9	240.3	261.6	304.2	352.9	410.7	462.4	538.5	596.3	645.0
77.5°	149.1	161.2	185.6	216.0	231.2	249.5	286.0	325.5	359.0	401.6	432.0
80°	115.6	124.7	143.0	158.2	173.4	188.6	206.9	222.1	243.4	270.8	286.0
82.5°	109.5	115.6	133.9	143.0	136.9	133.9	146.0	152.1	155.2	164.3	173.4
85°	9.1	0.0	6.1	21.3	51.7	76.1	82.1	82.1	79.1	85.2	85.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	12.2	9.1
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°	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5
2.5°	8226.6	8123.2	8162.7	8211.4	8141.4	7980.2	8022.8	8004.5	8168.8	8156.6	8320.9
5°	6897.1	6735.8	6754.1	6991.4	6915.3	6997.5	6833.2	6811.9	6842.3	6857.5	6884.9
7.5°	5278.5	5257.2	5439.8	5640.6	5734.9	5637.5	5476.3	5439.8	5406.3	5339.4	5491.5
10°	4308.0	4314.1	4301.9	4454.0	4560.5	4539.2	4441.9	4429.7	4365.8	4341.5	4426.7
12.5°	3845.6	3763.4	3723.9	3675.2	3757.3	3812.1	3769.5	3739.1	3742.1	3772.5	3784.7
15°	3398.3	3346.6	3261.4	3206.7	3246.2	3218.8	3203.6	3264.5	3249.3	3243.2	3316.2
17.5°	2896.3	2938.9	2932.9	2872.0	2923.7	2902.4	2899.4	2856.8	2799.0	2756.4	2780.7
20°	2564.7	2643.8	2704.7	2707.7	2735.1	2732.1	2686.4	2555.6	2513.0	2503.9	2510.0
22.5°	2446.1	2488.7	2561.7	2665.1	2665.1	2616.4	2561.7	2409.6	2370.0	2327.4	2309.2
25°	2351.8	2433.9	2528.2	2540.4	2589.1	2543.4	2455.2	2379.1	2297.0	2239.2	2239.2
27.5°	2303.1	2394.4	2464.3	2485.6	2552.6	2516.0	2424.8	2327.4	2230.1	2227.0	2175.3
30°	2281.8	2367.0	2412.6	2464.3	2494.8	2436.9	2409.6	2306.1	2208.8	2184.4	2099.2
32.5°	2217.9	2339.6	2424.8	2412.6	2436.9	2412.6	2373.1	2287.9	2178.3	2123.6	2114.5
35°	2144.9	2266.6	2357.8	2421.7	2436.9	2385.2	2360.9	2245.3	2096.2	2068.8	1974.5
37.5°	2105.3	2178.3	2290.9	2394.4	2415.6	2388.3	2306.1	2187.5	2038.4	2008.0	1925.8
40°	2056.6	2151.0	2239.2	2324.4	2388.3	2321.3	2227.0	2111.4	2044.5	1953.2	1928.9
42.5°	2020.1	2126.6	2199.6	2294.0	2367.0	2278.7	2169.2	2090.1	1995.8	1935.0	1865.0
44°	2008.0	2105.3	2154.0	2269.6	2330.5	2263.5	2172.3	2090.1	1980.6	1925.8	1865.0
45°	1965.4	2099.2	2151.0	2254.4	2306.1	2251.4	2135.8	2053.6	1974.5	1907.6	1843.7
47.5°	1922.8	2014.1	2102.3	2184.4	2220.9	2202.7	2105.3	2004.9	1910.6	1871.1	1810.2
50°	1910.6	2001.9	2084.0	2160.1	2202.7	2166.2	2077.9	1980.6	1871.1	1807.2	1755.5
52.5°	1849.8	1962.3	2053.6	2077.9	2132.7	2111.4	2044.5	1938.0	1834.6	1779.8	1737.2
55°	1761.5	1880.2	2004.9	2035.4	2114.5	2081.0	1980.6	1880.2	1792.0	1709.8	1655.1
57.5°	1728.1	1843.7	1965.4	2004.9	2053.6	1998.8	1974.5	1868.0	1728.1	1685.5	1600.3
60°	1642.9	1788.9	1889.3	1980.6	1983.6	1968.4	1925.8	1804.1	1688.5	1609.4	1548.6
62.5°	1576.0	1712.9	1792.0	1877.1	1928.9	1886.3	1843.7	1731.1	1606.4	1518.1	1448.2
65°	1478.6	1603.3	1670.3	1722.0	1779.8	1773.7	1700.7	1618.5	1487.7	1417.7	1350.8
67.5°	1329.5	1439.0	1530.3	1579.0	1615.5	1606.4	1551.6	1493.8	1359.9	1290.0	1241.3
70°	1150.0	1262.6	1320.4	1347.8	1384.3	1402.5	1359.9	1332.6	1213.9	1122.6	1077.0
72.5°	924.9	997.9	1083.1	1107.4	1122.6	1134.8	1134.8	1110.5	988.8	952.3	873.2
75°	681.5	739.3	803.2	803.2	830.6	833.6	839.7	824.5	733.2	684.5	666.3
77.5°	462.4	505.0	556.8	578.1	596.3	593.3	590.2	547.6	499.0	477.7	459.4
80°	301.2	343.8	368.1	395.5	413.8	410.7	416.8	386.4	365.1	328.6	334.7
82.5°	179.5	213.0	237.3	270.8	270.8	279.9	279.9	270.8	249.5	231.2	231.2
85°	85.2	112.6	127.8	149.1	161.2	164.3	146.0	124.7	103.4	94.3	103.4
87.5°	15.2	21.3	30.4	27.4	33.5	30.4	30.4	30.4	30.4	24.3	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5	9294.5
2.5°	8260.1	8412.2	8518.7	8695.1	8999.4	9242.7	9492.2	9677.8	9699.1	9753.9
5°	6985.3	7067.4	7338.2	7691.1	7940.6	8351.3	8616.0	9096.7	9276.2	9467.9
7.5°	5455.0	5588.9	5950.9	6188.2	6735.8	7250.0	7782.4	8375.7	8613.0	8640.4
10°	4600.1	4794.8	5041.2	5421.5	5719.7	6291.6	6954.9	7615.1	7879.8	7925.4
12.5°	4040.3	4289.8	4618.3	4892.1	5178.1	5677.1	6312.9	7128.3	7472.1	7679.0
15°	3501.8	3760.4	4122.4	4502.7	4755.2	5351.5	6100.0	7018.8	7466.0	7648.5
17.5°	2948.1	3188.4	3486.6	3897.3	4405.4	5074.7	6066.5	7383.9	7873.7	8086.6
20°	2473.5	2607.3	2954.1	3377.0	4012.9	4791.7	6078.7	7922.4	8640.4	8734.7
22.5°	2287.9	2318.3	2455.2	2844.6	3541.3	4502.7	6294.7	8686.0	9501.3	9811.7
25°	2144.9	2138.8	2175.3	2436.9	3197.5	4390.2	6507.6	9388.8	10456.7	10794.4
27.5°	2065.8	2004.9	2008.0	2254.4	2954.1	4207.6	6781.5	10195.0	11539.7	11688.8
30°	2026.2	2014.1	1977.5	2077.9	2689.5	3933.8	6827.1	10989.1	12178.6	12394.7
32.5°	2001.9	1883.2	1837.6	1874.1	2440.0	3635.6	6997.5	11512.4	12969.7	12875.3
35°	1880.2	1773.7	1743.3	1779.8	2263.5	3468.3	6884.9	11968.7	13562.9	13721.1
37.5°	1834.6	1740.2	1679.4	1649.0	2099.2	3328.4	6827.1	12671.5	14137.9	14518.2
40°	1792.0	1691.6	1618.5	1588.1	1971.5	3142.8	6808.8	13213.1	14801.2	15029.4
42.5°	1743.3	1679.4	1597.2	1542.5	1816.3	2957.2	6598.9	13380.4	15005.0	15251.4
44°	1728.1	1630.7	1545.5	1527.3	1755.5	2862.9	6556.3	13532.5	15181.5	15555.7
45°	1712.9	1621.6	1524.2	1499.9	1734.2	2811.2	6498.5	13569.0	15473.5	15543.5
47.5°	1670.3	1612.5	1518.1	1451.2	1688.5	2698.6	6325.1	13362.1	15175.4	15187.6
50°	1636.8	1569.9	1472.5	1341.7	1627.7	2604.3	6404.2	13286.1	14457.4	14484.8
52.5°	1600.3	1499.9	1445.1	1220.0	1527.3	2525.2	6571.5	13629.9	14539.5	14533.4
55°	1557.7	1448.2	1314.3	1116.6	1359.9	2424.8	6976.2	14308.3	15300.1	15403.6
57.5°	1490.8	1396.5	1204.8	1025.3	1168.3	2233.1	6845.4	13009.2	14077.1	14095.3
60°	1402.5	1314.3	1092.2	955.3	958.3	1761.5	6121.3	10137.2	11107.7	11372.4
62.5°	1317.4	1268.7	997.9	854.9	815.4	1402.5	5175.1	8424.3	9534.8	9753.9
65°	1217.0	1098.3	915.8	778.8	699.7	982.7	3666.1	6294.7	7438.6	7733.7
67.5°	1089.2	961.4	806.2	684.5	599.3	657.2	1892.4	3577.8	4737.0	4910.4
70°	952.3	833.6	678.5	578.1	483.7	453.3	833.6	1706.8	2589.1	2768.6
72.5°	781.9	672.4	541.5	456.4	362.0	313.4	279.9	456.4	918.8	1067.9
75°	565.9	489.8	407.7	325.5	255.6	200.8	164.3	136.9	152.1	164.3
77.5°	416.8	356.0	301.2	231.2	179.5	143.0	112.6	85.2	82.1	79.1
80°	325.5	289.0	240.3	185.6	139.9	106.5	79.1	57.8	51.7	51.7
82.5°	255.6	237.3	197.8	152.1	115.6	85.2	57.8	39.6	33.5	33.5
85°	97.4	97.4	143.0	124.7	88.2	60.8	39.6	21.3	18.3	18.3
87.5°	24.3	24.3	24.3	24.3	21.3	18.3	18.3	9.1	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)