

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: P531382

Luminaire Tested: **GALN-SA6C-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531382
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-SA6C-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 24673 lumens
Efficiency: N/A
Efficacy: 76.9 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): 321
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



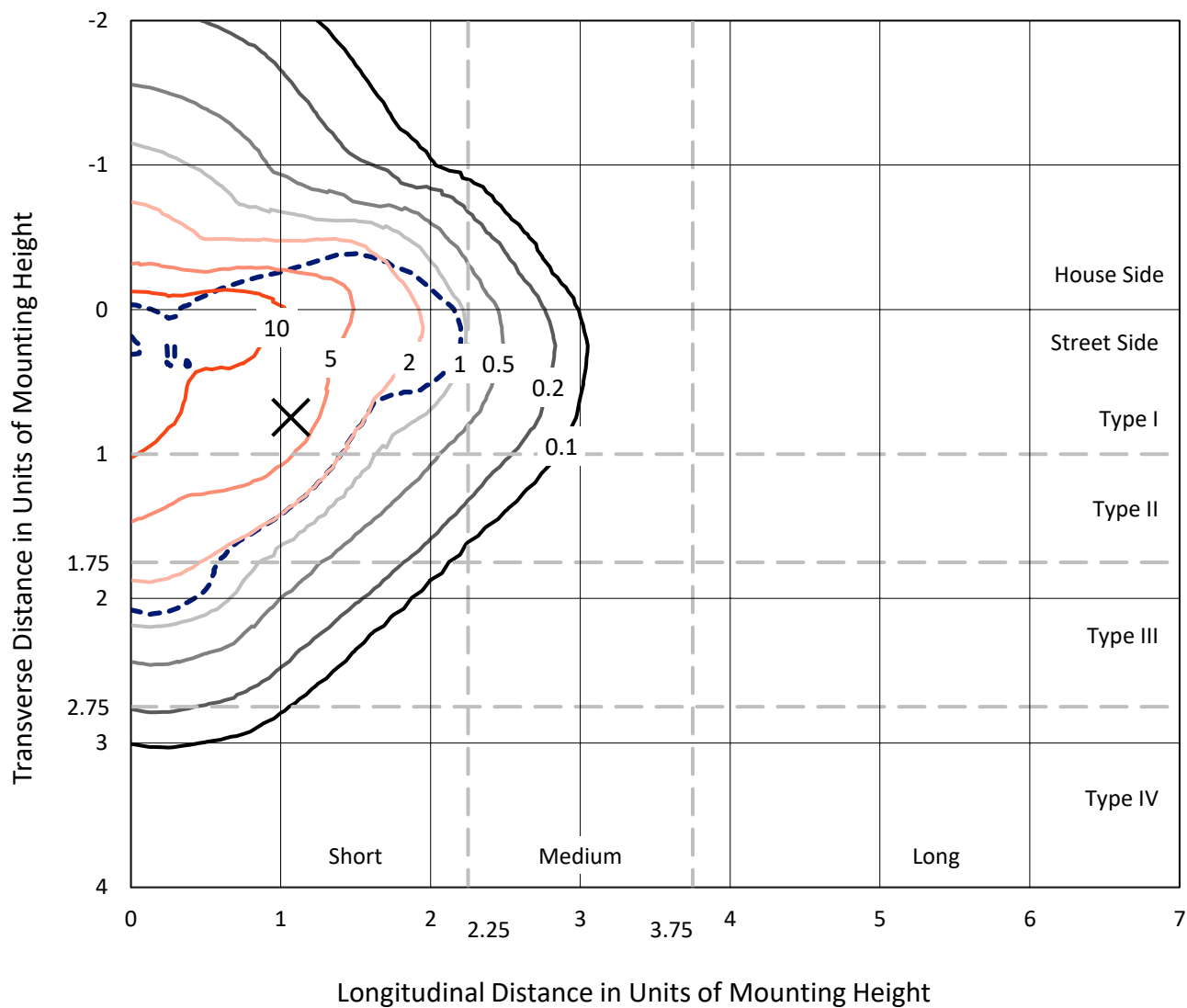
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

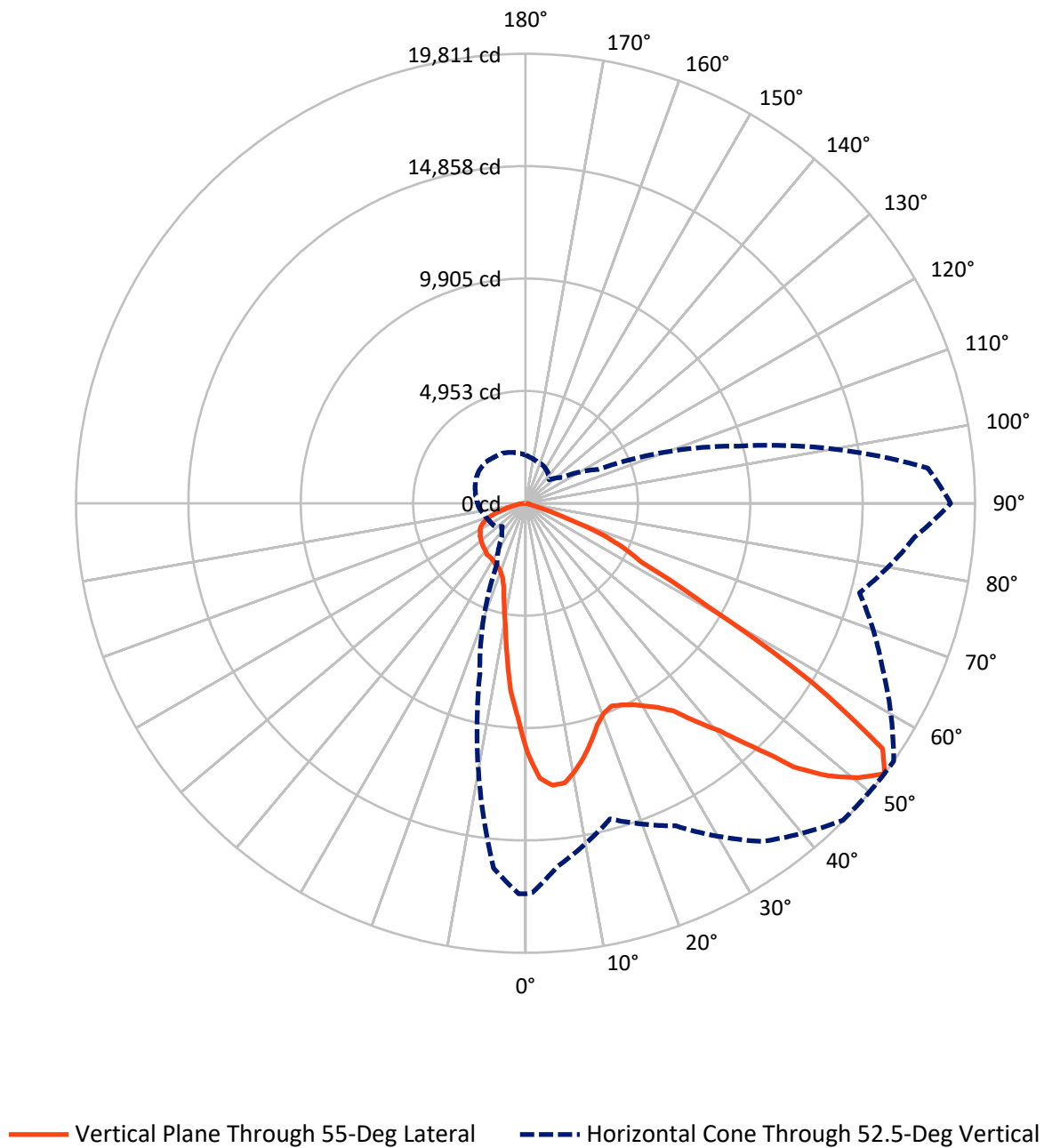


Based on 25 foot mounting height. Maximum calculated value = 18.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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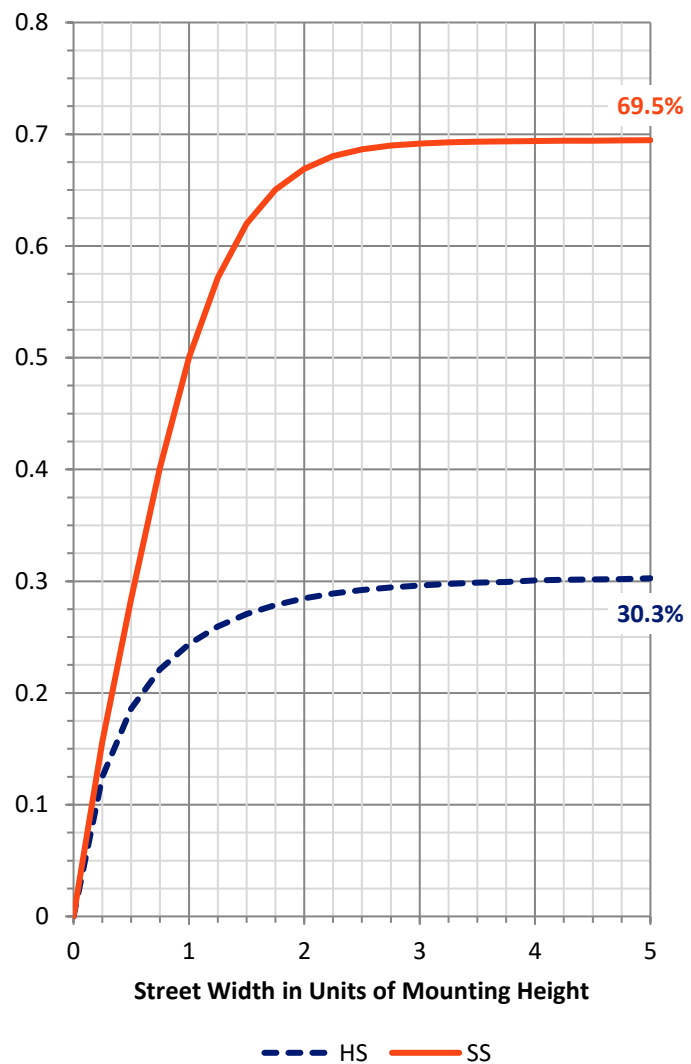
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7526.6	0.0	7526.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	17146.4	0.0	17146.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	24673.0	0.0	24673.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	840.8	3.4
10°-20°	1813.0	7.3
20°-30°	2749.0	11.1
30°-40°	3971.9	16.1
40°-50°	5307.6	21.5
50°-60°	5924.5	24.0
60°-70°	3249.8	13.2
70°-80°	702.6	2.8
80°-90°	113.7	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°	24673.0	100.0
0°-180°	24673.0	100.0

Coefficient of Utilization



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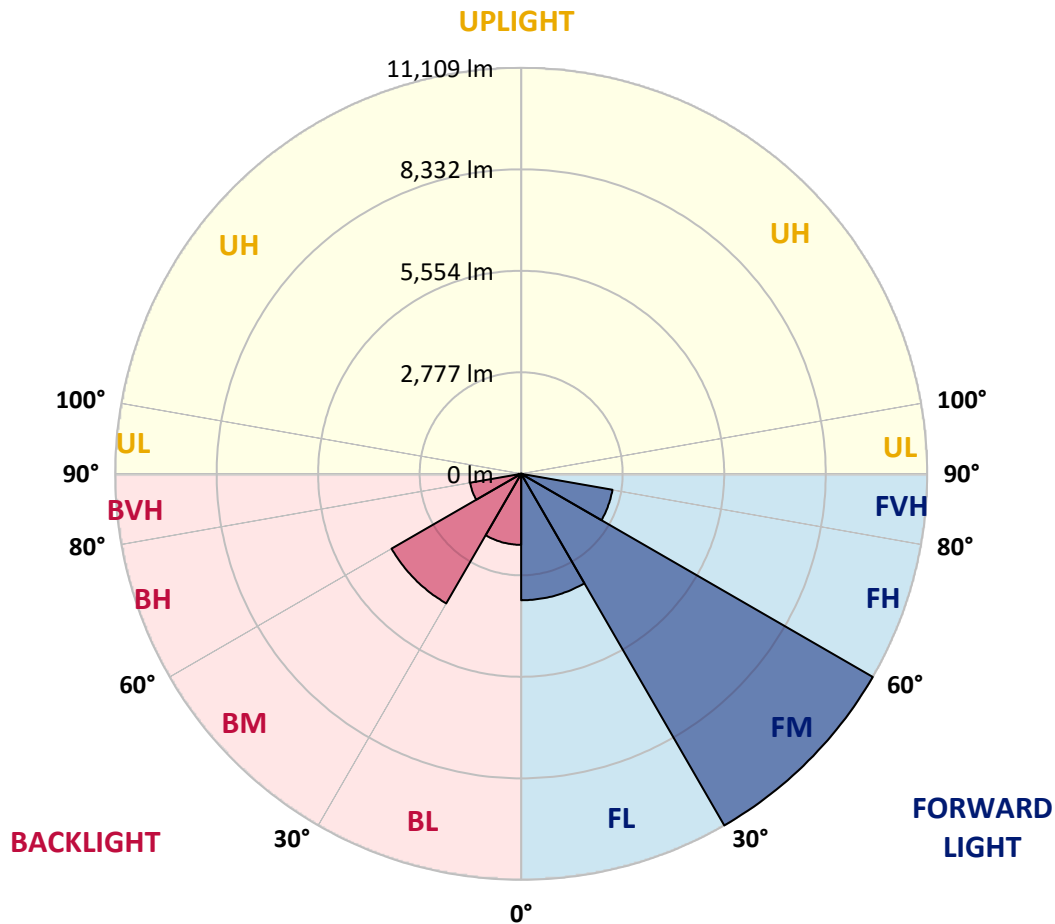
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3459.6	14.0			
FM	(30°-60°)	11108.9	45.0			
FH	(60°-80°)	2535.8	10.3			G2/5000
FVH	(80°-90°)	42.1	0.2			G1/100
BL	(0°-30°)	1943.3	7.9	B3/2500		
BM	(30°-60°)	4095.1	16.6	B3/5000		
BH	(60°-80°)	1416.7	5.7	B3/2500		G3/2500
BVH	(80°-90°)	71.6	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°	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1
2.5°	11550.1	11485.2	11542.9	11816.7	11975.2	12083.3	12151.7	12140.9	11881.5	11629.3	11629.3
5°	11211.4	11128.6	11247.4	11867.1	12490.4	12544.4	12634.5	12486.8	12104.9	11643.7	11067.3
7.5°	10231.5	10292.7	10490.9	11305.1	12115.7	12522.8	12630.9	12443.5	11823.9	10962.8	10116.2
10°	9384.9	9529.0	9986.5	10865.6	11611.3	12140.9	12259.8	11996.8	11506.8	10451.3	9694.7
12.5°	9093.1	9003.0	9511.0	10390.0	11103.3	11387.9	11442.0	11460.0	11128.6	10191.9	9269.6
15°	9057.0	9114.7	9511.0	10177.5	10617.0	10631.4	10721.5	10862.0	10905.2	10368.4	9467.7
17.5°	9575.8	9507.4	9914.5	10444.1	10235.1	10026.1	10047.8	10249.5	10606.2	10519.7	10091.0
20°	10343.2	10498.1	10818.7	10764.7	10202.7	9673.1	9676.7	9867.6	10570.1	11146.6	10959.2
22.5°	11618.5	11769.8	12007.6	11355.5	10202.7	9568.6	9446.1	9705.5	10800.7	11892.3	11939.2
25°	12782.2	13059.6	13124.4	12357.1	10714.3	9665.9	9586.6	9842.4	11031.3	12620.0	13063.2
27.5°	13841.3	13942.2	14226.8	13001.9	10998.9	9730.7	9723.5	10051.4	11323.1	12983.9	14068.3
30°	14677.2	14666.3	14828.5	13409.0	11452.8	10094.6	9745.1	10364.8	11705.0	13585.6	14997.8
32.5°	15246.4	15368.9	15711.1	13974.6	11643.7	10440.5	10166.7	10732.3	12169.7	13870.2	15653.5
35°	16247.9	16460.5	16028.1	14288.1	12249.0	10782.7	10462.1	11233.0	12400.3	14180.0	16456.9
37.5°	17191.8	17029.7	16590.2	14457.4	12641.7	11416.8	11117.7	12202.1	13117.2	14853.7	16990.1
40°	17797.0	17793.4	17011.7	14594.3	12919.1	12385.9	12367.9	13185.7	13996.3	15278.8	17588.1
42.5°	18060.0	18312.2	17184.6	14579.9	13502.7	13560.3	13924.2	14655.5	14619.5	15365.3	17573.7
44°	18420.3	18571.6	17483.6	14612.3	13891.8	14352.9	15210.3	15675.1	15163.5	15318.4	17555.7
45°	18405.9	18416.7	17058.5	14655.5	14223.2	15015.8	15783.2	16568.5	15642.7	15217.6	17793.4
47.5°	17984.4	17861.9	16698.2	14334.9	15257.2	16766.7	17476.4	17952.0	16233.5	15001.4	17498.0
50°	17152.2	17011.7	15822.8	14198.0	15473.3	17854.7	18834.6	19007.5	16770.3	14788.8	17206.2
52.5°	17209.8	17170.2	16071.4	14403.4	15689.5	18196.9	19767.7	19810.9	17379.1	15235.6	17209.8
55°	18240.2	18103.3	16784.7	14659.1	15531.0	17797.0	19173.3	19097.6	17173.8	14965.4	17526.8
57.5°	16691.0	16781.1	15797.6	13646.8	13592.8	14468.2	15073.4	14886.1	14331.3	13506.3	16305.6
60°	13466.7	13722.5	13816.1	11413.2	10256.7	9806.4	9626.3	9294.8	9388.5	11096.1	14324.1
62.5°	11550.1	11535.7	12122.9	10346.8	6718.9	5778.6	5692.2	5767.8	6848.6	10923.2	14028.7
65°	9157.9	9402.9	9583.0	8768.8	5317.5	4290.7	4287.1	4766.3	5926.3	9129.1	11326.7
67.5°	5814.7	6135.3	6358.7	5609.3	3555.8	3055.0	2972.2	3548.6	4107.0	5987.6	6819.8
70°	3278.4	3429.7	3530.6	3235.2	2262.5	1585.2	1491.5	1628.4	2482.2	3876.4	4042.2
72.5°	1264.5	1333.0	1469.9	1480.7	853.8	511.6	414.3	497.2	1044.8	1534.7	1462.7
75°	194.5	209.0	295.4	353.1	245.0	187.3	198.1	205.4	291.8	396.3	331.4
77.5°	93.7	93.7	90.1	104.5	122.5	133.3	144.1	158.5	172.9	190.9	183.7
80°	61.2	61.2	61.2	72.1	90.1	108.1	122.5	129.7	136.9	151.3	144.1
82.5°	39.6	39.6	39.6	54.0	72.1	90.1	97.3	115.3	129.7	151.3	140.5
85°	21.6	21.6	21.6	36.0	54.0	75.7	72.1	57.6	32.4	3.6	7.2
87.5°	7.2	7.2	7.2	7.2	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°	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1
2.5°	11326.7	11161.0	11146.6	10807.9	10505.3	10357.6	10238.7	9907.3	9979.3	9788.4	9784.8
5°	10779.1	10440.5	9892.9	9442.5	8992.2	8902.1	8509.4	8167.2	8178.0	7933.0	7976.2
7.5°	9795.6	9561.4	8894.9	8188.8	7590.8	7165.7	6794.6	6571.2	6286.6	6189.3	6138.9
10°	9172.3	8884.1	8134.8	7248.5	6578.4	6351.5	5994.8	5796.6	5504.8	5360.7	5259.9
12.5°	8898.5	8477.0	7540.3	6639.7	6192.9	5958.8	5656.1	5295.9	4950.0	4816.7	4633.0
15°	8927.3	8423.0	7367.4	6394.7	5857.9	5404.0	5133.8	4733.9	4380.8	4146.6	4013.3
17.5°	9363.3	8750.8	7446.7	6207.3	5436.4	4867.2	4337.6	3905.3	3624.3	3447.7	3404.5
20°	10393.6	9561.4	7580.0	5904.7	5014.9	4305.2	3653.1	3202.7	2986.6	2983.0	2986.6
22.5°	11251.0	10426.0	7850.2	5724.6	4593.4	3584.6	2936.2	2792.0	2748.8	2838.9	2849.7
25°	12407.5	11398.8	8314.9	5630.9	4204.3	3055.0	2655.1	2601.1	2597.5	2712.8	2716.4
27.5°	13592.8	12249.0	8592.3	5357.1	3808.0	2781.2	2485.8	2475.0	2532.7	2655.1	2644.3
30°	14399.8	12962.3	9093.1	5029.3	3339.6	2539.9	2417.4	2431.8	2511.0	2604.7	2619.1
32.5°	15340.0	13664.8	9222.8	4849.2	3051.4	2338.1	2251.7	2284.1	2384.9	2532.7	2611.9
35°	16417.2	14162.0	9420.9	4604.2	2943.4	2183.2	2140.0	2176.0	2298.5	2395.8	2482.2
37.5°	17213.4	15041.0	9456.9	4413.2	2824.5	2096.7	2028.3	2147.2	2219.2	2356.1	2399.4
40°	17804.2	15678.7	9550.6	4294.3	2730.8	1985.1	1985.1	2064.3	2161.6	2287.7	2374.1
42.5°	18182.5	16143.4	9619.0	4186.3	2550.7	1952.6	1934.6	2013.9	2143.6	2266.1	2305.7
44°	18413.1	16341.6	9550.6	4085.4	2500.2	1913.0	1913.0	1981.5	2082.3	2226.4	2273.3
45°	18470.7	16590.2	9399.3	4081.8	2439.0	1866.2	1859.0	1988.7	2057.1	2233.6	2262.5
47.5°	18694.1	16896.4	9417.3	3966.5	2291.3	1754.5	1880.6	1938.2	1999.5	2154.4	2251.7
50°	18686.9	17087.3	9377.7	3797.2	2183.2	1628.4	1837.3	1902.2	1963.4	2122.0	2161.6
52.5°	18737.3	17800.6	9741.5	3527.0	1988.7	1466.3	1693.2	1837.3	1913.0	2046.3	2129.2
55°	18712.1	18207.7	10101.8	3325.2	1714.9	1369.0	1570.8	1740.1	1848.2	1988.7	2028.3
57.5°	17090.9	16093.0	9348.9	2947.0	1419.4	1253.7	1397.8	1639.2	1776.1	1920.2	1970.6
60°	13963.8	12403.9	7709.7	2168.8	1167.3	1152.8	1300.6	1606.8	1664.4	1790.5	1877.0
62.5°	12904.7	10880.0	6113.7	1657.2	997.9	1055.6	1199.7	1451.9	1541.9	1696.8	1776.1
65°	10098.2	7226.9	3786.4	1120.4	879.0	947.5	1084.4	1271.7	1419.4	1563.5	1657.2
67.5°	5980.4	3948.5	1873.4	785.4	767.4	839.4	979.9	1120.4	1289.7	1448.3	1495.1
70°	3256.8	1941.8	799.8	598.0	652.1	716.9	853.8	951.1	1113.2	1235.7	1315.0
72.5°	1044.8	590.8	399.9	443.1	497.2	572.8	655.7	774.6	889.9	961.9	1026.8
75°	252.2	248.6	284.6	309.8	360.3	417.9	486.4	547.6	637.7	706.1	763.8
77.5°	176.5	190.9	219.8	255.8	273.8	295.4	338.6	385.5	425.1	475.5	511.6
80°	136.9	147.7	169.3	187.3	205.4	223.4	245.0	263.0	288.2	320.6	338.6
82.5°	129.7	136.9	158.5	169.3	162.1	158.5	172.9	180.1	183.7	194.5	205.4
85°	10.8	0.0	7.2	25.2	61.2	90.1	97.3	97.3	93.7	100.9	100.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	14.4	10.8
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°	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1
2.5°	9741.5	9619.0	9665.9	9723.5	9640.7	9449.7	9500.2	9478.5	9673.1	9658.7	9853.2
5°	8167.2	7976.2	7997.9	8278.9	8188.8	8286.1	8091.5	8066.3	8102.3	8120.4	8152.8
7.5°	6250.6	6225.4	6441.5	6679.3	6791.0	6675.7	6484.8	6441.5	6401.9	6322.6	6502.8
10°	5101.3	5108.5	5094.1	5274.3	5400.4	5375.1	5259.9	5245.4	5169.8	5141.0	5241.8
12.5°	4553.7	4456.5	4409.6	4352.0	4449.3	4514.1	4463.7	4427.6	4431.2	4467.3	4481.7
15°	4024.1	3962.9	3862.0	3797.2	3844.0	3811.6	3793.6	3865.6	3847.6	3840.4	3926.9
17.5°	3429.7	3480.2	3472.9	3400.9	3462.1	3436.9	3433.3	3382.9	3314.4	3264.0	3292.8
20°	3037.0	3130.7	3202.7	3206.3	3238.8	3235.2	3181.1	3026.2	2975.8	2965.0	2972.2
22.5°	2896.5	2947.0	3033.4	3155.9	3155.9	3098.3	3033.4	2853.3	2806.5	2756.0	2734.4
25°	2784.8	2882.1	2993.8	3008.2	3065.8	3011.8	2907.3	2817.3	2720.0	2651.5	2651.5
27.5°	2727.2	2835.3	2918.1	2943.4	3022.6	2979.4	2871.3	2756.0	2640.7	2637.1	2575.9
30°	2702.0	2802.9	2856.9	2918.1	2954.2	2885.7	2853.3	2730.8	2615.5	2586.7	2485.8
32.5°	2626.3	2770.4	2871.3	2856.9	2885.7	2856.9	2810.1	2709.2	2579.5	2514.6	2503.8
35°	2539.9	2684.0	2792.0	2867.7	2885.7	2824.5	2795.6	2658.7	2482.2	2449.8	2338.1
37.5°	2493.0	2579.5	2712.8	2835.3	2860.5	2828.1	2730.8	2590.3	2413.8	2377.7	2280.5
40°	2435.4	2547.1	2651.5	2752.4	2828.1	2748.8	2637.1	2500.2	2421.0	2312.9	2284.1
42.5°	2392.2	2518.2	2604.7	2716.4	2802.9	2698.4	2568.7	2475.0	2363.3	2291.3	2208.4
44°	2377.7	2493.0	2550.7	2687.6	2759.6	2680.4	2572.3	2475.0	2345.3	2280.5	2208.4
45°	2327.3	2485.8	2547.1	2669.6	2730.8	2666.0	2529.1	2431.8	2338.1	2258.9	2183.2
47.5°	2276.9	2384.9	2489.4	2586.7	2629.9	2608.3	2493.0	2374.1	2262.5	2215.6	2143.6
50°	2262.5	2370.5	2467.8	2557.9	2608.3	2565.1	2460.6	2345.3	2215.6	2140.0	2078.7
52.5°	2190.4	2323.7	2431.8	2460.6	2525.5	2500.2	2421.0	2294.9	2172.4	2107.5	2057.1
55°	2085.9	2226.4	2374.1	2410.2	2503.8	2464.2	2345.3	2226.4	2122.0	2024.7	1959.8
57.5°	2046.3	2183.2	2327.3	2374.1	2431.8	2366.9	2338.1	2212.0	2046.3	1995.9	1895.0
60°	1945.4	2118.4	2237.2	2345.3	2348.9	2330.9	2280.5	2136.4	1999.5	1905.8	1833.7
62.5°	1866.2	2028.3	2122.0	2222.8	2284.1	2233.6	2183.2	2049.9	1902.2	1797.7	1714.9
65°	1750.9	1898.6	1977.8	2039.1	2107.5	2100.3	2013.9	1916.6	1761.7	1678.8	1599.6
67.5°	1574.4	1704.0	1812.1	1869.8	1913.0	1902.2	1837.3	1768.9	1610.4	1527.5	1469.9
70°	1361.8	1495.1	1563.5	1596.0	1639.2	1660.8	1610.4	1578.0	1437.5	1329.4	1275.3
72.5°	1095.2	1181.7	1282.5	1311.4	1329.4	1343.8	1343.8	1315.0	1170.9	1127.6	1034.0
75°	807.0	875.4	951.1	951.1	983.5	987.1	994.3	976.3	868.2	810.6	789.0
77.5°	547.6	598.0	659.3	684.5	706.1	702.5	698.9	648.5	590.8	565.6	544.0
80°	356.7	407.1	435.9	468.3	490.0	486.4	493.6	457.5	432.3	389.1	396.3
82.5°	212.6	252.2	281.0	320.6	320.6	331.4	331.4	320.6	295.4	273.8	273.8
85°	100.9	133.3	151.3	176.5	190.9	194.5	172.9	147.7	122.5	111.7	122.5
87.5°	18.0	25.2	36.0	32.4	39.6	36.0	36.0	36.0	36.0	28.8	32.4
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°	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1	11006.1
2.5°	9781.2	9961.3	10087.4	10296.3	10656.6	10944.8	11240.2	11460.0	11485.2	11550.1
5°	8271.7	8368.9	8689.6	9107.5	9402.9	9889.2	10202.7	10771.9	10984.5	11211.4
7.5°	6459.5	6618.1	7046.8	7327.8	7976.2	8585.1	9215.6	9918.1	10199.1	10231.5
10°	5447.2	5677.8	5969.6	6419.9	6773.0	7450.3	8235.6	9017.4	9330.8	9384.9
12.5°	4784.3	5079.7	5468.8	5793.0	6131.7	6722.5	7475.5	8441.0	8848.1	9093.1
15°	4146.6	4452.9	4881.6	5331.9	5630.9	6337.0	7223.3	8311.3	8840.9	9057.0
17.5°	3491.0	3775.6	4128.6	4615.0	5216.6	6009.2	7183.7	8743.6	9323.6	9575.8
20°	2928.9	3087.5	3498.2	3998.9	4751.9	5674.2	7198.1	9381.3	10231.5	10343.2
22.5°	2709.2	2745.2	2907.3	3368.5	4193.5	5331.9	7453.9	10285.5	11251.0	11618.5
25°	2539.9	2532.7	2575.9	2885.7	3786.4	5198.6	7706.0	11117.7	12382.3	12782.2
27.5°	2446.2	2374.1	2377.7	2669.6	3498.2	4982.5	8030.3	12072.4	13664.8	13841.3
30°	2399.4	2384.9	2341.7	2460.6	3184.7	4658.2	8084.3	13012.7	14421.4	14677.2
32.5°	2370.5	2230.0	2176.0	2219.2	2889.3	4305.2	8286.1	13632.4	15358.1	15246.4
35°	2226.4	2100.3	2064.3	2107.5	2680.4	4107.0	8152.8	14172.8	16060.6	16247.9
37.5°	2172.4	2060.7	1988.7	1952.6	2485.8	3941.3	8084.3	15005.0	16741.5	17191.8
40°	2122.0	2003.1	1916.6	1880.6	2334.5	3721.5	8062.7	15646.3	17526.8	17797.0
42.5°	2064.3	1988.7	1891.4	1826.5	2150.8	3501.8	7814.1	15844.4	17768.2	18060.0
44°	2046.3	1931.0	1830.1	1808.5	2078.7	3390.1	7763.7	16024.5	17977.2	18420.3
45°	2028.3	1920.2	1804.9	1776.1	2053.5	3328.8	7695.2	16067.8	18323.0	18405.9
47.5°	1977.8	1909.4	1797.7	1718.5	1999.5	3195.5	7489.9	15822.8	17970.0	17984.4
50°	1938.2	1859.0	1743.7	1588.8	1927.4	3083.9	7583.6	15732.7	17119.7	17152.2
52.5°	1895.0	1776.1	1711.3	1444.7	1808.5	2990.2	7781.7	16139.8	17217.0	17209.8
55°	1844.6	1714.9	1556.3	1322.2	1610.4	2871.3	8260.9	16943.2	18117.7	18240.2
57.5°	1765.3	1653.6	1426.6	1214.1	1383.4	2644.3	8105.9	15404.9	16669.4	16691.0
60°	1660.8	1556.3	1293.3	1131.2	1134.8	2085.9	7248.5	12004.0	13153.2	13466.7
62.5°	1559.9	1502.3	1181.7	1012.3	965.5	1660.8	6128.1	9975.7	11290.7	11550.1
65°	1441.1	1300.6	1084.4	922.3	828.6	1163.7	4341.2	7453.9	8808.5	9157.9
67.5°	1289.7	1138.4	954.7	810.6	709.7	778.2	2240.8	4236.7	5609.3	5814.7
70°	1127.6	987.1	803.4	684.5	572.8	536.8	987.1	2021.1	3065.8	3278.4
72.5°	925.9	796.2	641.3	540.4	428.7	371.1	331.4	540.4	1088.0	1264.5
75°	670.1	580.0	482.8	385.5	302.6	237.8	194.5	162.1	180.1	194.5
77.5°	493.6	421.5	356.7	273.8	212.6	169.3	133.3	100.9	97.3	93.7
80°	385.5	342.3	284.6	219.8	165.7	126.1	93.7	68.5	61.2	61.2
82.5°	302.6	281.0	234.2	180.1	136.9	100.9	68.5	46.8	39.6	39.6
85°	115.3	115.3	169.3	147.7	104.5	72.1	46.8	25.2	21.6	21.6
87.5°	28.8	28.8	28.8	28.8	25.2	21.6	21.6	10.8	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)