

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: P531616

Luminaire Tested: **GALN-SA6D-830-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531616
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-SA6D-830-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA 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: 27149 lumens
Efficiency: N/A
Efficacy: 73.8 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): 368
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



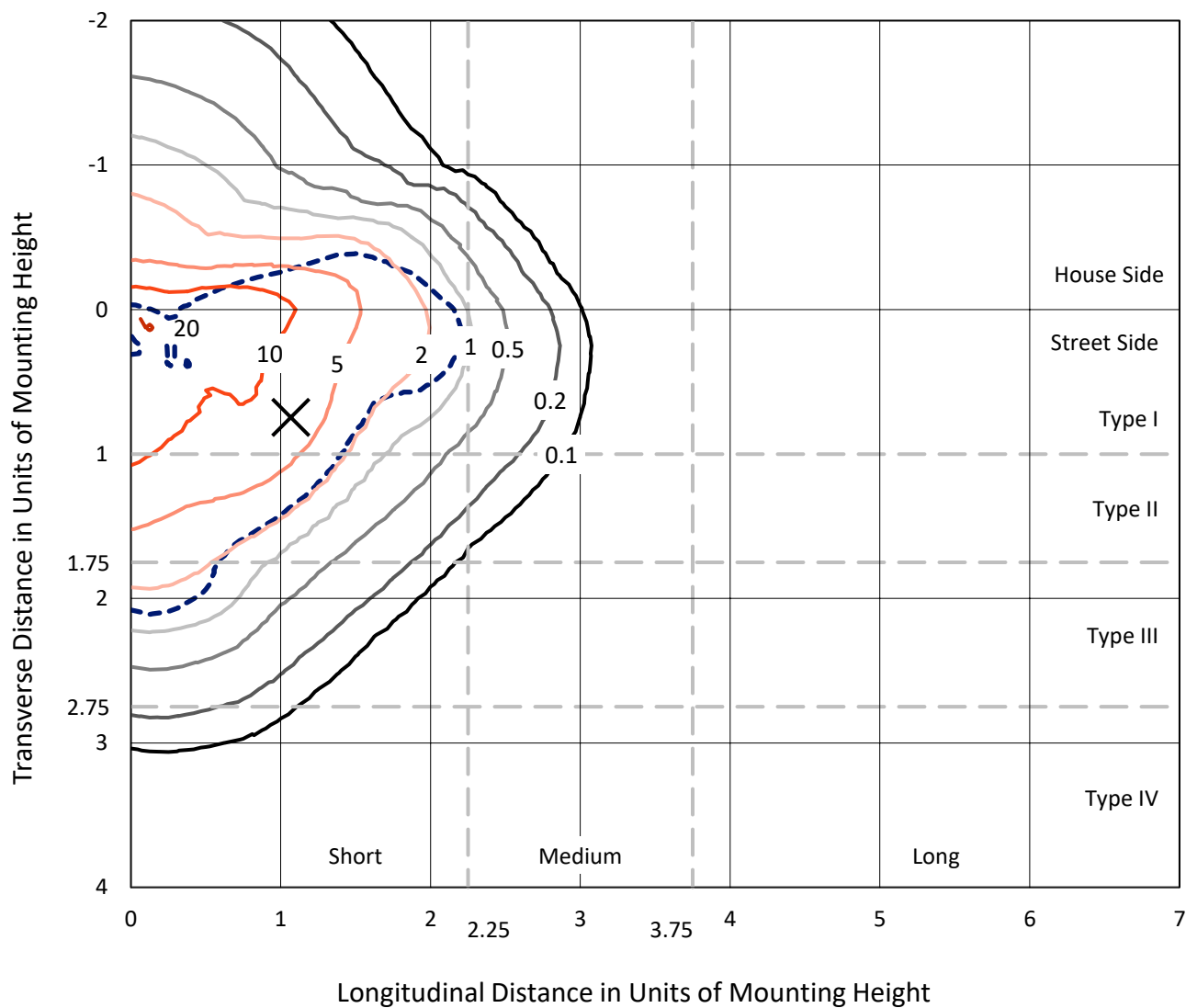
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

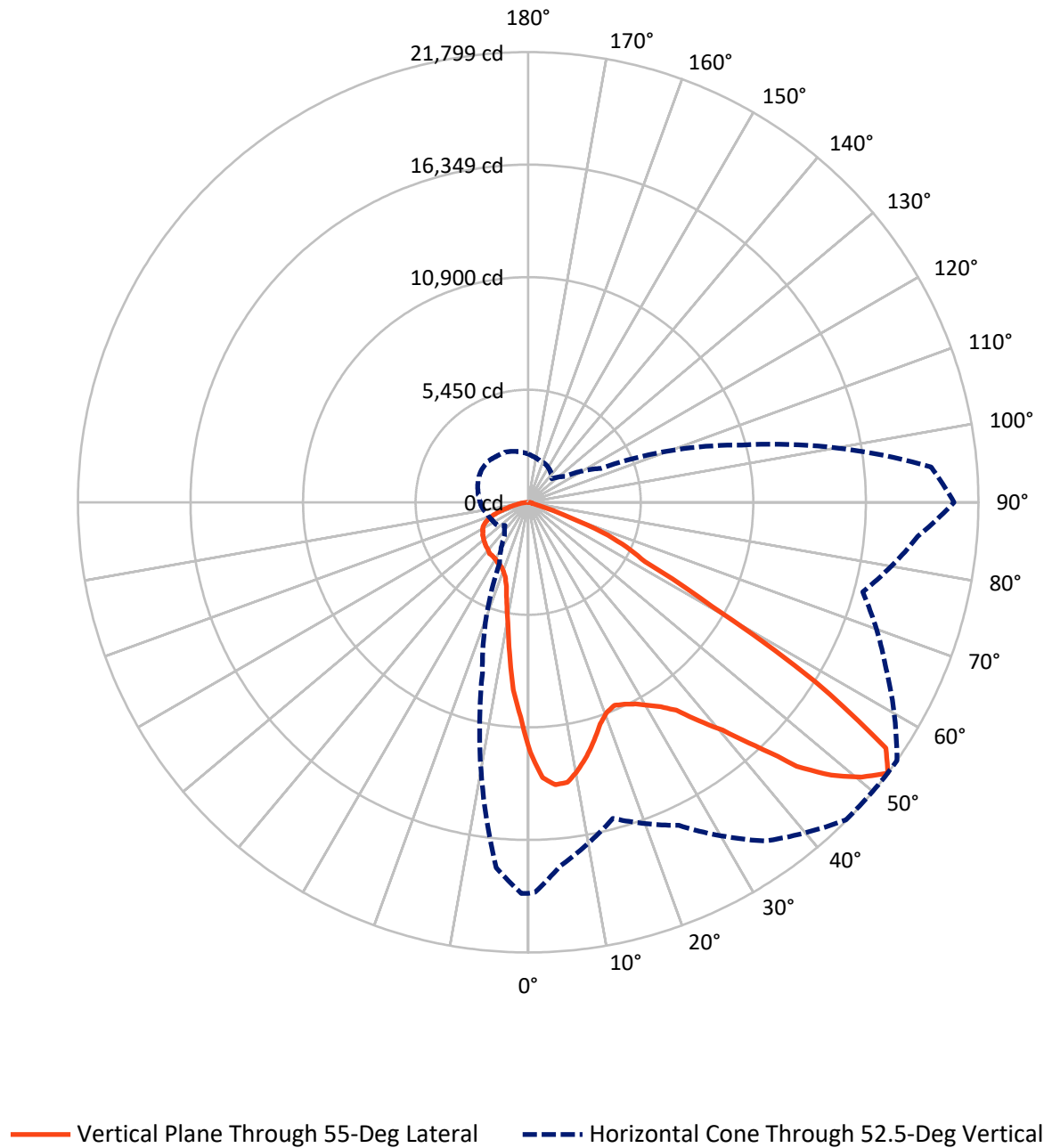


Based on 25 foot mounting height. Maximum calculated value = 20.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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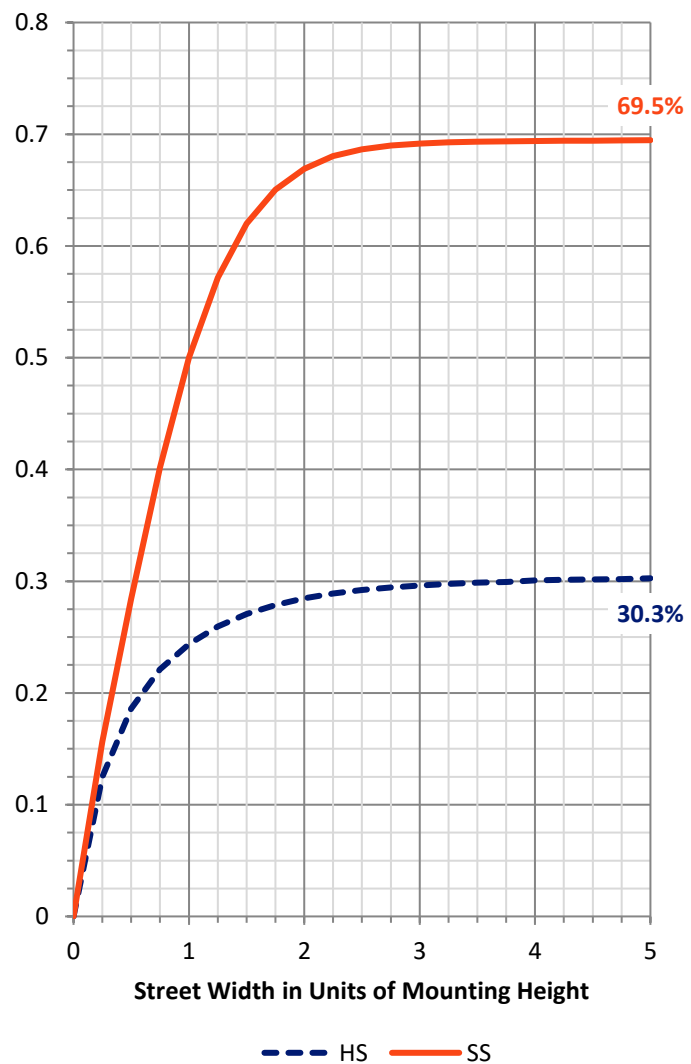
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8281.9	0.0	8281.9
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	18867.1	0.0	18867.1
	% Fixture	69.5	0.0	69.5
Total	Lumens	27149.0	0.0	27149.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	925.2	3.4
10°-20°	1994.9	7.3
20°-30°	3024.9	11.1
30°-40°	4370.5	16.1
40°-50°	5840.2	21.5
50°-60°	6519.0	24.0
60°-70°	3576.0	13.2
70°-80°	773.1	2.8
80°-90°	125.1	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°	27149.0	100.0
0°-180°	27149.0	100.0

Coefficient of Utilization



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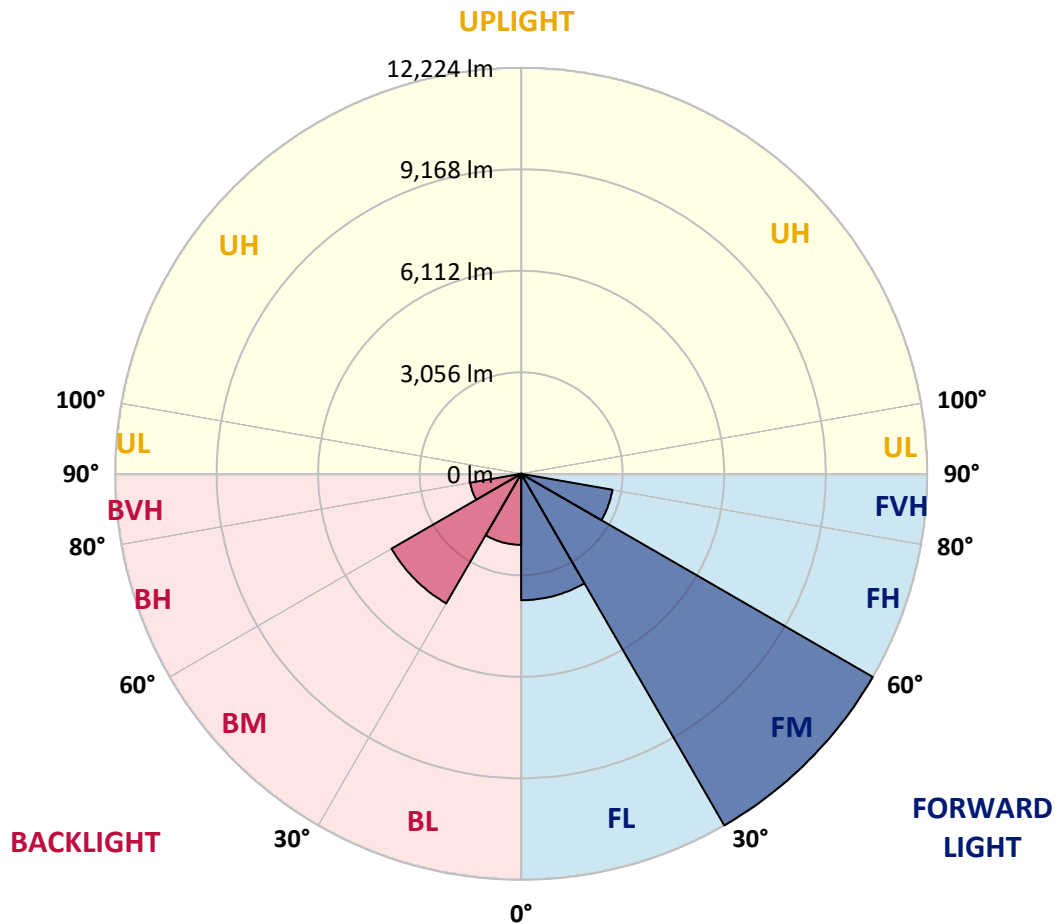
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3806.8	14.0			
FM	(30°-60°)	12223.8	45.0			
FH	(60°-80°)	2790.2	10.3			G2/5000
FVH	(80°-90°)	46.3	0.2			G1/100
BL	(0°-30°)	2138.3	7.9	B3/2500		
BM	(30°-60°)	4506.0	16.6	B3/5000		
BH	(60°-80°)	1558.8	5.7	B3/2500		G3/2500
BVH	(80°-90°)	78.8	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°	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6
2.5°	12709.1	12637.8	12701.2	13002.5	13176.9	13295.8	13371.2	13359.3	13073.8	12796.4	12796.4
5°	12336.5	12245.3	12376.2	13058.0	13743.8	13803.3	13902.4	13739.8	13319.6	12812.2	12177.9
7.5°	11258.3	11325.6	11543.7	12439.6	13331.5	13779.5	13898.4	13692.3	13010.4	12063.0	11131.4
10°	10326.7	10485.2	10988.7	11956.0	12776.5	13359.3	13490.1	13200.7	12661.6	11500.1	10667.6
12.5°	10005.6	9906.5	10465.4	11432.7	12217.6	12530.8	12590.2	12610.0	12245.3	11214.7	10199.8
15°	9965.9	10029.4	10465.4	11198.8	11682.4	11698.3	11797.4	11952.0	11999.6	11408.9	10417.9
17.5°	10536.8	10461.5	10909.4	11492.1	11262.2	11032.3	11056.1	11278.1	11670.5	11575.4	11103.7
20°	11381.1	11551.6	11904.4	11845.0	11226.5	10643.8	10647.8	10857.9	11630.9	12265.2	12059.0
22.5°	12784.5	12951.0	13212.6	12495.1	11226.5	10528.8	10394.1	10679.5	11884.6	13085.7	13137.3
25°	14064.9	14370.1	14441.5	13597.1	11789.5	10635.9	10548.7	10830.1	12138.3	13886.5	14374.1
27.5°	15230.4	15341.4	15654.5	14306.7	12102.6	10707.2	10699.3	11060.0	12459.4	14286.9	15480.1
30°	16150.0	16138.2	16316.5	14754.7	12602.1	11107.6	10723.1	11404.9	12879.6	14948.9	16502.9
32.5°	16776.4	16911.2	17287.8	15377.0	12812.2	11488.2	11186.9	11809.3	13391.0	15262.1	17224.3
35°	17878.4	18112.3	17636.6	15721.9	13478.2	11864.8	11512.0	12360.3	13644.7	15603.0	18108.4
37.5°	18917.0	18738.7	18255.0	15908.2	13910.3	12562.5	12233.4	13426.7	14433.6	16344.3	18695.0
40°	19583.0	19579.1	18718.8	16058.9	14215.5	13628.8	13609.0	14508.9	15400.8	16812.1	19353.1
42.5°	19872.4	20149.9	18909.1	16043.0	14857.7	14921.2	15321.5	16126.3	16086.6	16907.2	19337.2
44°	20268.8	20435.3	19238.1	16078.7	15285.9	15793.3	16736.7	17248.1	16685.2	16855.7	19317.4
45°	20253.0	20264.9	18770.4	16126.3	15650.6	16522.7	17367.0	18231.2	17212.4	16744.7	19579.1
47.5°	19789.2	19654.4	18374.0	15773.5	16788.3	18449.3	19230.2	19753.5	17862.6	16506.8	19254.0
50°	18873.4	18718.8	17410.7	15622.8	17026.1	19646.5	20724.7	20915.0	18453.2	16272.9	18932.9
52.5°	18936.9	18893.3	17684.2	15848.8	17264.0	20023.0	21751.4	21799.0	19123.2	16764.5	18936.9
55°	20070.6	19920.0	18469.1	16130.2	17089.6	19583.0	21097.3	21014.1	18897.2	16467.2	19285.7
57.5°	18366.0	18465.1	17382.9	15016.3	14956.8	15920.1	16586.1	16380.0	15769.5	14861.7	17941.9
60°	14818.1	15099.5	15202.6	12558.5	11286.0	10790.5	10592.3	10227.6	10330.6	12209.7	15761.6
62.5°	12709.1	12693.3	13339.4	11385.1	7393.2	6358.5	6263.4	6346.6	7535.9	12019.4	15436.5
65°	10076.9	10346.5	10544.7	9648.8	5851.1	4721.3	4717.4	5244.6	6521.1	10045.2	12463.4
67.5°	6398.2	6751.0	6996.8	6172.2	3912.6	3361.6	3270.4	3904.7	4519.2	6588.5	7504.2
70°	3607.4	3773.9	3884.9	3559.8	2489.5	1744.2	1641.2	1791.8	2731.3	4265.5	4447.8
72.5°	1391.4	1466.7	1617.4	1629.3	939.5	562.9	455.9	547.1	1149.6	1688.7	1609.5
75°	214.1	229.9	325.1	388.5	269.6	206.1	218.0	226.0	321.1	436.1	364.7
77.5°	103.1	103.1	99.1	115.0	134.8	146.7	158.6	174.4	190.3	210.1	202.2
80°	67.4	67.4	67.4	79.3	99.1	118.9	134.8	142.7	150.6	166.5	158.6
82.5°	43.6	43.6	43.6	59.5	79.3	99.1	107.0	126.9	142.7	166.5	154.6
85°	23.8	23.8	23.8	39.6	59.5	83.2	79.3	63.4	35.7	4.0	7.9
87.5°	7.9	7.9	7.9	7.9	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°	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6
2.5°	12463.4	12281.0	12265.2	11892.5	11559.5	11397.0	11266.2	10901.5	10980.8	10770.7	10766.7
5°	11860.8	11488.2	10885.6	10390.1	9894.6	9795.5	9363.4	8986.8	8998.7	8729.1	8776.7
7.5°	10778.6	10520.9	9787.5	9010.6	8352.5	7884.7	7476.4	7230.7	6917.5	6810.5	6755.0
10°	10092.8	9775.7	8951.1	7975.9	7238.6	6988.8	6596.4	6378.4	6057.3	5898.7	5787.7
12.5°	9791.5	9327.7	8297.0	7306.0	6814.4	6556.7	6223.8	5827.3	5446.8	5300.1	5097.9
15°	9823.2	9268.2	8106.7	7036.4	6445.7	5946.3	5648.9	5208.9	4820.4	4562.8	4416.1
17.5°	10302.9	9629.0	8193.9	6830.3	5981.9	5355.6	4772.9	4297.2	3988.0	3793.7	3746.1
20°	11436.6	10520.9	8340.6	6497.3	5518.1	4737.2	4019.7	3524.2	3286.3	3282.3	3286.3
22.5°	12380.1	11472.3	8637.9	6299.1	5054.3	3944.4	3230.8	3072.2	3024.7	3123.8	3135.7
25°	13652.6	12542.6	9149.3	6196.0	4626.2	3361.6	2921.6	2862.1	2858.2	2985.0	2989.0
27.5°	14956.8	13478.2	9454.6	5894.7	4190.1	3060.3	2735.3	2723.4	2786.8	2921.6	2909.7
30°	15844.8	14263.1	10005.6	5534.0	3674.8	2794.7	2660.0	2675.8	2763.0	2866.1	2882.0
32.5°	16879.5	15036.1	10148.3	5335.8	3357.7	2572.7	2477.6	2513.3	2624.3	2786.8	2874.0
35°	18064.7	15583.2	10366.3	5066.2	3238.7	2402.3	2354.7	2394.4	2529.1	2636.2	2731.3
37.5°	18940.8	16550.4	10406.0	4856.1	3107.9	2307.1	2231.8	2362.6	2441.9	2592.6	2640.1
40°	19591.0	17252.1	10509.0	4725.3	3004.8	2184.3	2184.3	2271.5	2378.5	2517.3	2612.4
42.5°	20007.2	17763.5	10584.3	4606.4	2806.6	2148.6	2128.8	2216.0	2358.7	2493.5	2537.1
44°	20260.9	17981.5	10509.0	4495.4	2751.1	2105.0	2105.0	2180.3	2291.3	2449.9	2501.4
45°	20324.3	18255.0	10342.5	4491.4	2683.7	2053.4	2045.5	2188.2	2263.5	2457.8	2489.5
47.5°	20570.1	18592.0	10362.4	4364.6	2521.2	1930.6	2069.3	2132.7	2200.1	2370.6	2477.6
50°	20562.2	18802.1	10318.7	4178.2	2402.3	1791.8	2021.7	2093.1	2160.5	2334.9	2378.5
52.5°	20617.7	19587.0	10719.1	3880.9	2188.2	1613.4	1863.2	2021.7	2105.0	2251.7	2342.8
55°	20589.9	20034.9	11115.5	3658.9	1886.9	1506.4	1728.4	1914.7	2033.6	2188.2	2231.8
57.5°	18806.0	17708.0	10287.0	3242.7	1561.9	1379.5	1538.1	1803.7	1954.3	2112.9	2168.4
60°	15365.1	13648.7	8483.3	2386.4	1284.4	1268.5	1431.1	1768.0	1831.4	1970.2	2065.3
62.5°	14199.7	11971.8	6727.2	1823.5	1098.1	1161.5	1320.1	1597.6	1696.7	1867.1	1954.3
65°	11111.6	7952.1	4166.3	1232.9	967.3	1042.6	1193.2	1399.4	1561.9	1720.5	1823.5
67.5°	6580.5	4344.7	2061.4	864.2	844.4	923.7	1078.3	1232.9	1419.2	1593.6	1645.1
70°	3583.6	2136.7	880.0	658.1	717.5	788.9	939.5	1046.5	1224.9	1359.7	1446.9
72.5°	1149.6	650.1	440.0	487.6	547.1	630.3	721.5	852.3	979.2	1058.4	1129.8
75°	277.5	273.5	313.2	340.9	396.4	459.8	535.2	602.6	701.7	777.0	840.4
77.5°	194.2	210.1	241.8	281.5	301.3	325.1	372.6	424.2	467.8	523.3	562.9
80°	150.6	162.5	186.3	206.1	226.0	245.8	269.6	289.4	317.1	352.8	372.6
82.5°	142.7	150.6	174.4	186.3	178.4	174.4	190.3	198.2	202.2	214.1	226.0
85°	11.9	0.0	7.9	27.7	67.4	99.1	107.0	107.0	103.1	111.0	111.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	15.9	11.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6
2.5°	10719.1	10584.3	10635.9	10699.3	10608.1	10398.0	10453.5	10429.7	10643.8	10628.0	10842.0
5°	8986.8	8776.7	8800.5	9109.7	9010.6	9117.6	8903.5	8875.8	8915.4	8935.3	8970.9
7.5°	6877.8	6850.1	7087.9	7349.6	7472.5	7345.6	7135.5	7087.9	7044.3	6957.1	7155.3
10°	5613.3	5621.2	5605.3	5803.6	5942.3	5914.5	5787.7	5771.8	5688.6	5656.9	5767.9
12.5°	5010.7	4903.7	4852.1	4788.7	4895.8	4967.1	4911.6	4872.0	4875.9	4915.6	4931.4
15°	4428.0	4360.6	4249.6	4178.2	4229.8	4194.1	4174.3	4253.6	4233.7	4225.8	4321.0
17.5°	3773.9	3829.4	3821.5	3742.2	3809.6	3781.8	3777.9	3722.4	3647.0	3591.5	3623.3
20°	3341.8	3444.9	3524.2	3528.1	3563.8	3559.8	3500.4	3329.9	3274.4	3262.5	3270.4
22.5°	3187.2	3242.7	3337.8	3472.6	3472.6	3409.2	3337.8	3139.6	3088.1	3032.6	3008.8
25°	3064.3	3171.3	3294.2	3310.1	3373.5	3314.1	3199.1	3100.0	2993.0	2917.6	2917.6
27.5°	3000.9	3119.8	3211.0	3238.7	3325.9	3278.4	3159.4	3032.6	2905.7	2901.8	2834.4
30°	2973.1	3084.1	3143.6	3211.0	3250.6	3175.3	3139.6	3004.8	2878.0	2846.3	2735.3
32.5°	2889.9	3048.5	3159.4	3143.6	3175.3	3143.6	3092.1	2981.1	2838.3	2767.0	2755.1
35°	2794.7	2953.3	3072.2	3155.5	3175.3	3107.9	3076.2	2925.6	2731.3	2695.6	2572.7
37.5°	2743.2	2838.3	2985.0	3119.8	3147.6	3111.9	3004.8	2850.2	2656.0	2616.4	2509.3
40°	2679.8	2802.7	2917.6	3028.6	3111.9	3024.7	2901.8	2751.1	2663.9	2545.0	2513.3
42.5°	2632.2	2771.0	2866.1	2989.0	3084.1	2969.2	2826.5	2723.4	2600.5	2521.2	2430.0
44°	2616.4	2743.2	2806.6	2957.3	3036.6	2949.3	2830.4	2723.4	2580.7	2509.3	2430.0
45°	2560.9	2735.3	2802.7	2937.5	3004.8	2933.5	2782.9	2675.8	2572.7	2485.5	2402.3
47.5°	2505.4	2624.3	2739.2	2846.3	2893.8	2870.1	2743.2	2612.4	2489.5	2438.0	2358.7
50°	2489.5	2608.4	2715.5	2814.6	2870.1	2822.5	2707.5	2580.7	2438.0	2354.7	2287.3
52.5°	2410.2	2556.9	2675.8	2707.5	2778.9	2751.1	2663.9	2525.2	2390.4	2319.0	2263.5
55°	2295.3	2449.9	2612.4	2652.0	2755.1	2711.5	2580.7	2449.9	2334.9	2227.9	2156.5
57.5°	2251.7	2402.3	2560.9	2612.4	2675.8	2604.5	2572.7	2434.0	2251.7	2196.2	2085.2
60°	2140.7	2330.9	2461.8	2580.7	2584.6	2564.8	2509.3	2350.8	2200.1	2097.0	2017.8
62.5°	2053.4	2231.8	2334.9	2445.9	2513.3	2457.8	2402.3	2255.6	2093.1	1978.1	1886.9
65°	1926.6	2089.1	2176.3	2243.7	2319.0	2311.1	2216.0	2108.9	1938.5	1847.3	1760.1
67.5°	1732.3	1875.1	1994.0	2057.4	2105.0	2093.1	2021.7	1946.4	1772.0	1680.8	1617.4
70°	1498.5	1645.1	1720.5	1756.1	1803.7	1827.5	1772.0	1736.3	1581.7	1462.8	1403.3
72.5°	1205.1	1300.2	1411.2	1443.0	1462.8	1478.6	1478.6	1446.9	1288.4	1240.8	1137.7
75°	888.0	963.3	1046.5	1046.5	1082.2	1086.2	1094.1	1074.3	955.4	891.9	868.2
77.5°	602.6	658.1	725.4	753.2	777.0	773.0	769.0	713.6	650.1	622.4	598.6
80°	392.5	448.0	479.7	515.3	539.1	535.2	543.1	503.5	475.7	428.1	436.1
82.5°	233.9	277.5	309.2	352.8	352.8	364.7	364.7	352.8	325.1	301.3	301.3
85°	111.0	146.7	166.5	194.2	210.1	214.1	190.3	162.5	134.8	122.9	134.8
87.5°	19.8	27.7	39.6	35.7	43.6	39.6	39.6	39.6	39.6	31.7	35.7
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°	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6	12110.6
2.5°	10762.7	10960.9	11099.7	11329.6	11726.0	12043.2	12368.2	12610.0	12637.8	12709.1
5°	9101.7	9208.8	9561.6	10021.4	10346.5	10881.7	11226.5	11852.9	12086.8	12336.5
7.5°	7107.8	7282.2	7753.9	8063.1	8776.7	9446.6	10140.4	10913.4	11222.6	11258.3
10°	5993.8	6247.5	6568.6	7064.2	7452.6	8197.9	9062.1	9922.3	10267.2	10326.7
12.5°	5264.4	5589.5	6017.6	6374.4	6747.0	7397.2	8225.7	9288.1	9736.0	10005.6
15°	4562.8	4899.7	5371.5	5867.0	6196.0	6973.0	7948.2	9145.4	9728.1	9965.9
17.5°	3841.3	4154.5	4542.9	5078.1	5740.1	6612.2	7904.6	9621.1	10259.3	10536.8
20°	3222.9	3397.3	3849.2	4400.2	5228.7	6243.6	7920.4	10322.7	11258.3	11381.1
22.5°	2981.1	3020.7	3199.1	3706.5	4614.3	5867.0	8201.9	11317.7	12380.1	12784.5
25°	2794.7	2786.8	2834.4	3175.3	4166.3	5720.3	8479.4	12233.4	13624.9	14064.9
27.5°	2691.7	2612.4	2616.4	2937.5	3849.2	5482.5	8836.1	13283.9	15036.1	15230.4
30°	2640.1	2624.3	2576.7	2707.5	3504.3	5125.7	8895.6	14318.6	15868.6	16150.0
32.5°	2608.4	2453.8	2394.4	2441.9	3179.3	4737.2	9117.6	15000.4	16899.3	16776.4
35°	2449.9	2311.1	2271.5	2319.0	2949.3	4519.2	8970.9	15595.1	17672.3	17878.4
37.5°	2390.4	2267.5	2188.2	2148.6	2735.3	4336.8	8895.6	16510.8	18421.5	18917.0
40°	2334.9	2204.1	2108.9	2069.3	2568.8	4095.0	8871.8	17216.4	19285.7	19583.0
42.5°	2271.5	2188.2	2081.2	2009.8	2366.6	3853.2	8598.3	17434.4	19551.3	19872.4
44°	2251.7	2124.8	2013.8	1990.0	2287.3	3730.3	8542.8	17632.6	19781.2	20268.8
45°	2231.8	2112.9	1986.1	1954.3	2259.6	3662.9	8467.5	17680.2	20161.8	20253.0
47.5°	2176.3	2101.0	1978.1	1890.9	2200.1	3516.2	8241.5	17410.7	19773.3	19789.2
50°	2132.7	2045.5	1918.7	1748.2	2120.8	3393.3	8344.6	17311.6	18837.8	18873.4
52.5°	2085.2	1954.3	1883.0	1589.6	1990.0	3290.3	8562.6	17759.5	18944.8	18936.9
55°	2029.7	1886.9	1712.5	1454.9	1772.0	3159.4	9089.9	18643.5	19935.8	20070.6
57.5°	1942.4	1819.6	1569.8	1335.9	1522.2	2909.7	8919.4	16950.8	18342.2	18366.0
60°	1827.5	1712.5	1423.1	1244.8	1248.7	2295.3	7975.9	13208.6	14473.2	14818.1
62.5°	1716.5	1653.1	1300.2	1113.9	1062.4	1827.5	6743.1	10976.8	12423.7	12709.1
65°	1585.7	1431.1	1193.2	1014.8	911.8	1280.4	4776.8	8201.9	9692.4	10076.9
67.5°	1419.2	1252.7	1050.5	891.9	780.9	856.3	2465.7	4661.9	6172.2	6398.2
70°	1240.8	1086.2	884.0	753.2	630.3	590.7	1086.2	2223.9	3373.5	3607.4
72.5°	1018.8	876.1	705.6	594.6	471.7	408.3	364.7	594.6	1197.2	1391.4
75°	737.3	638.2	531.2	424.2	333.0	261.6	214.1	178.4	198.2	214.1
77.5°	543.1	463.8	392.5	301.3	233.9	186.3	146.7	111.0	107.0	103.1
80°	424.2	376.6	313.2	241.8	182.4	138.7	103.1	75.3	67.4	67.4
82.5°	333.0	309.2	257.7	198.2	150.6	111.0	75.3	51.5	43.6	43.6
85°	126.9	126.9	186.3	162.5	115.0	79.3	51.5	27.7	23.8	23.8
87.5°	31.7	31.7	31.7	31.7	27.7	23.8	23.8	11.9	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)