

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: STREETWORKS

Report Number: P652945

Luminaire Tested: **GLAN-SA6C-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652945
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: STREETWORKS
Catalog Number: GLAN-SA6C-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 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: 26112.2 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

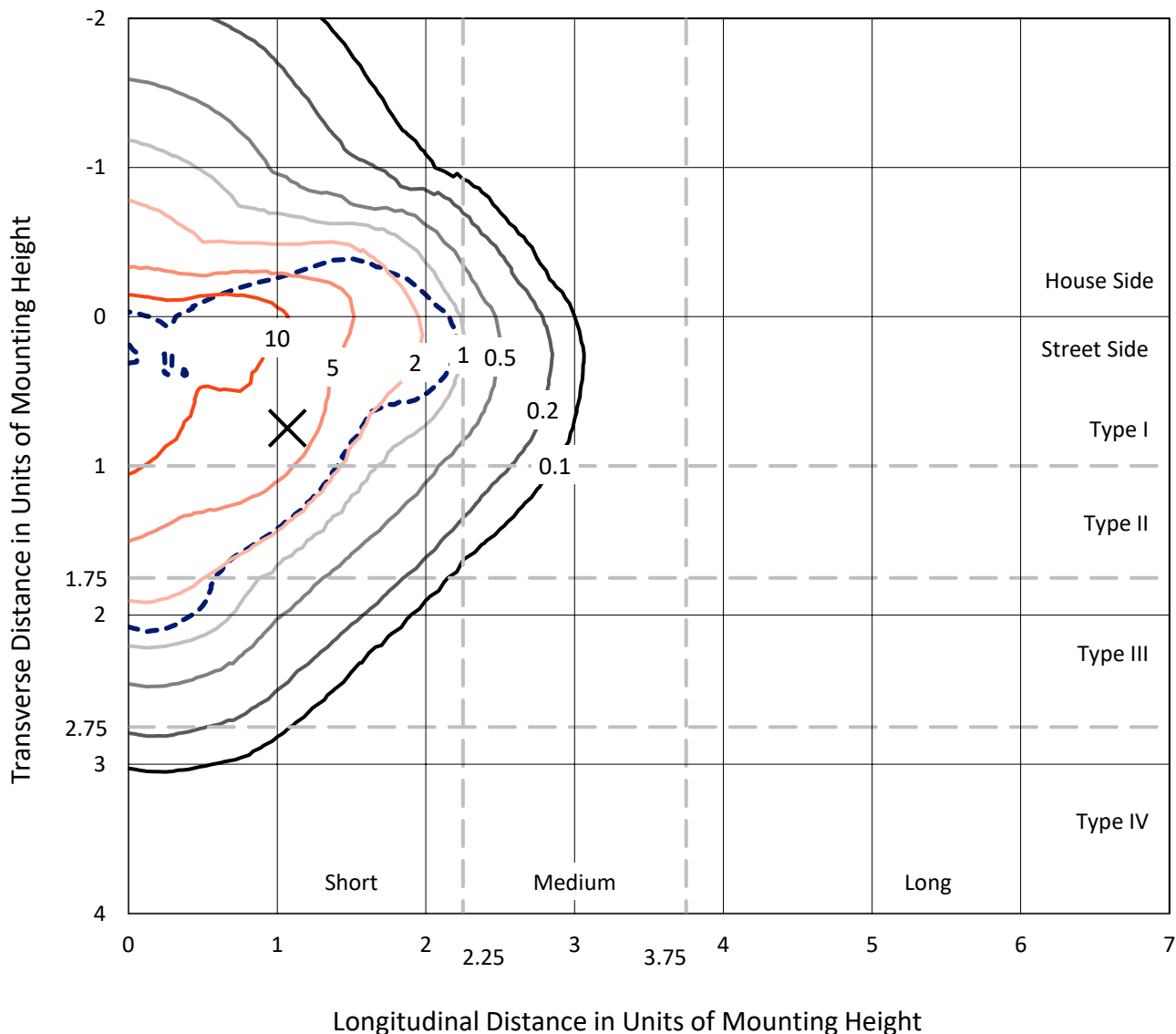
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

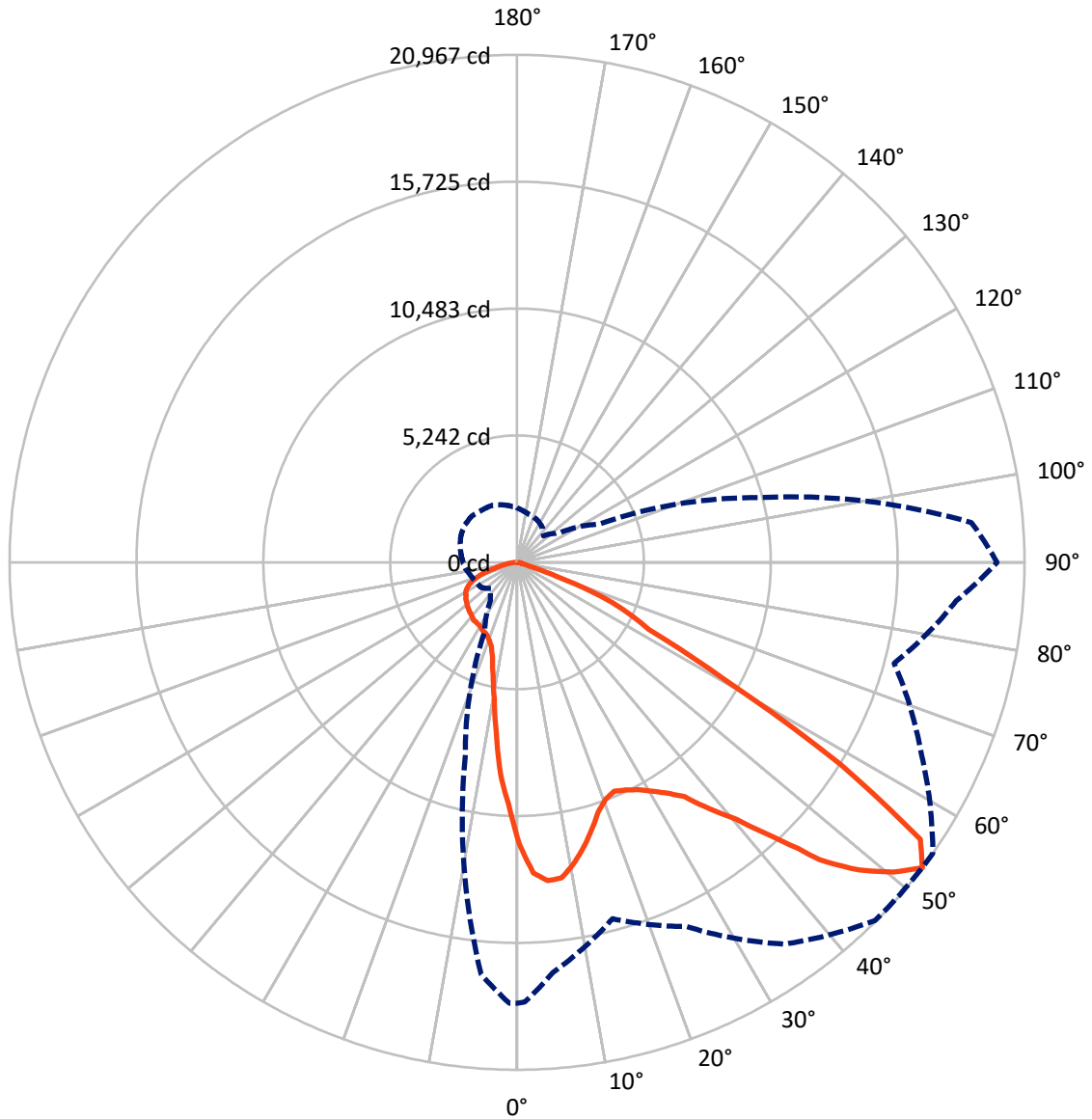
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7965.6	0.0	7965.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	18146.6	0.0	18146.6
	% Fixture	69.5	0.0	69.5
Total	Lumens	26112.2	0.0	26112.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	889.9	3.4
10°-20°	1918.7	7.3
20°-30°	2909.4	11.1
30°-40°	4203.6	16.1
40°-50°	5617.2	21.5
50°-60°	6270.1	24.0
60°-70°	3439.4	13.2
70°-80°	743.6	2.8
80°-90°	120.3	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°	26112.2	100.0
0°-180°	26112.2	100.0

Coefficient of Utilization



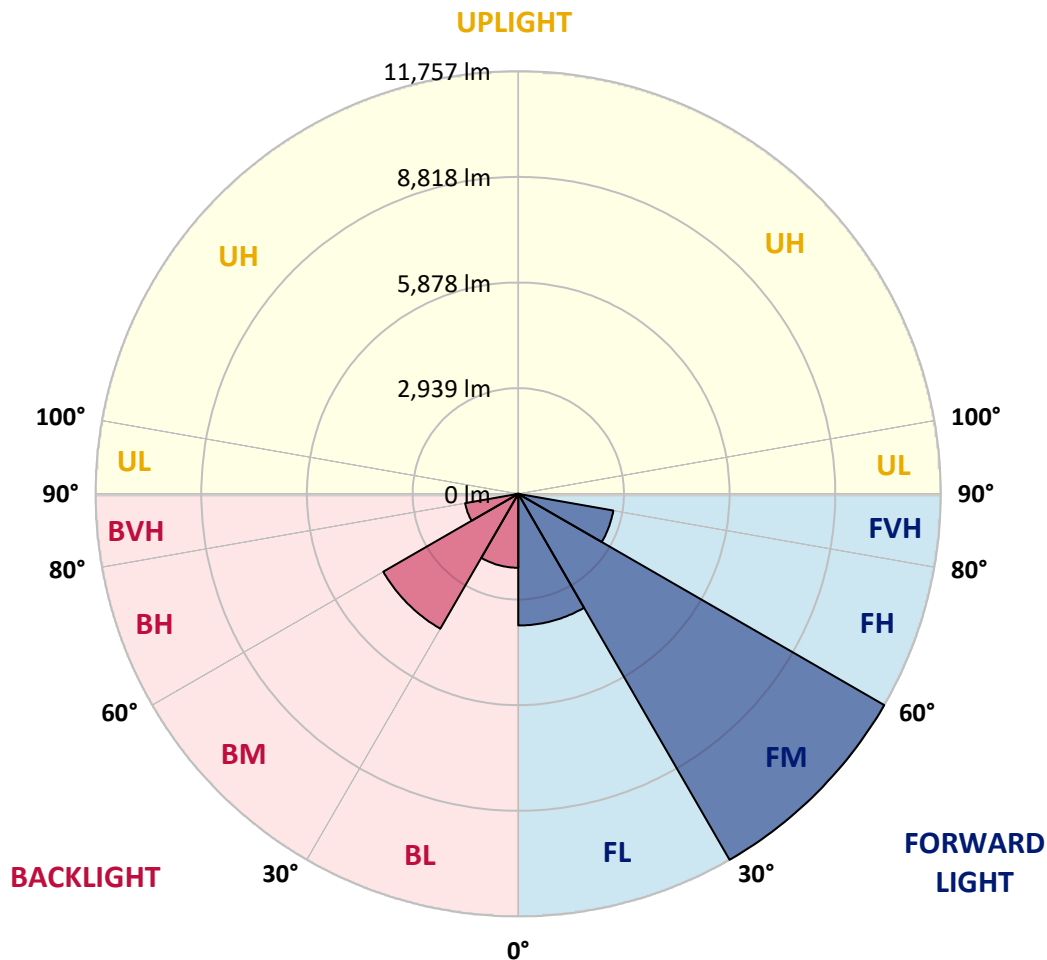
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3661.4	14.0			
FM (30°-60°)	11756.9	45.0			
FH (60°-80°)	2683.7	10.3			G2/5000
FVH (80°-90°)	44.5	0.2			G1/100
BL (0°-30°)	2056.6	7.9	B3/2500		
BM (30°-60°)	4334.0	16.6	B3/5000		
BH (60°-80°)	1499.3	5.7	B3/2500		G3/2500
BVH (80°-90°)	75.8	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°	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1
2.5°	12223.8	12155.1	12216.2	12505.9	12673.7	12788.1	12860.6	12849.1	12574.5	12307.7	12307.7
5°	11865.4	11777.7	11903.5	12559.3	13218.9	13276.1	13371.5	13215.1	12811.0	12322.9	11712.9
7.5°	10828.3	10893.1	11102.8	11964.5	12822.4	13253.2	13367.6	13169.4	12513.6	11602.4	10706.3
10°	9932.3	10084.9	10569.0	11499.3	12288.6	12849.1	12974.9	12696.6	12178.0	11060.9	10260.2
12.5°	9623.5	9528.2	10065.8	10996.1	11751.0	12052.2	12109.4	12128.5	11777.7	10786.4	9810.3
15°	9585.4	9646.4	10065.8	10771.1	11236.3	11251.6	11346.9	11495.5	11541.3	10973.2	10020.0
17.5°	10134.4	10062.0	10492.8	11053.3	10832.2	10611.0	10633.9	10847.4	11224.8	11133.3	10679.6
20°	10946.5	11110.5	11449.8	11392.6	10797.9	10237.3	10241.1	10443.2	11186.7	11796.8	11598.5
22.5°	12296.3	12456.4	12708.0	12017.9	10797.9	10126.7	9997.1	10271.6	11430.7	12586.0	12635.6
25°	13527.7	13821.3	13890.0	13077.9	11339.2	10229.7	10145.8	10416.5	11674.8	13356.2	13825.2
27.5°	14648.7	14755.5	15056.7	13760.4	11640.4	10298.3	10290.7	10637.6	11983.6	13741.3	14888.9
30°	15533.3	15521.8	15693.4	14191.2	12120.8	10683.4	10313.6	10969.4	12387.8	14378.0	15872.6
32.5°	16135.7	16265.4	16627.6	14789.8	12322.9	11049.5	10759.7	11358.3	12879.6	14679.2	16566.5
35°	17195.7	17420.6	16963.1	15121.5	12963.5	11411.7	11072.4	11888.3	13123.6	15007.1	17416.8
37.5°	18194.6	18023.1	17557.9	15300.7	13379.0	12082.7	11766.3	12913.9	13882.4	15720.1	17981.1
40°	18835.2	18831.3	18004.0	15445.6	13672.6	13108.3	13089.3	13954.8	14812.7	16170.0	18614.0
42.5°	19113.5	19380.4	18187.0	15430.3	14290.4	14351.3	14736.4	15510.4	15472.3	16261.6	18598.8
44°	19494.8	19654.9	18503.4	15464.6	14702.1	15190.1	16097.6	16589.4	16048.0	16212.0	18579.7
45°	19479.5	19490.9	18053.6	15510.4	15052.9	15891.7	16703.9	17535.0	16555.1	16105.2	18831.3
47.5°	19033.4	18903.8	17672.3	15171.1	16147.1	17744.7	18495.9	18999.1	17180.5	15876.5	18518.7
50°	18152.6	18004.0	16745.7	15026.2	16376.0	18896.2	19933.2	20116.3	17748.5	15651.5	18209.8
52.5°	18213.7	18171.7	17008.8	15243.5	16604.7	19258.4	20920.8	20966.6	18392.9	16124.2	18213.7
55°	19304.1	19159.2	17763.8	15514.3	16436.9	18835.2	20291.6	20211.6	18175.5	15838.3	18549.2
57.5°	17664.6	17760.0	16719.1	14442.8	14385.6	15312.2	15952.7	15754.5	15167.3	14294.1	17256.6
60°	14252.2	14522.9	14622.0	12078.9	10855.0	10378.4	10187.8	9837.0	9936.2	11743.4	15159.6
62.5°	12223.8	12208.5	12830.0	10950.3	7110.8	6115.8	6024.2	6104.3	7248.1	11560.4	14847.0
65°	9692.1	9951.4	10142.0	9280.4	5627.6	4541.1	4537.2	5044.3	6272.0	9661.6	11987.4
67.5°	6153.8	6493.2	6729.6	5936.5	3763.2	3233.2	3145.5	3755.6	4346.5	6336.9	7217.6
70°	3469.6	3629.8	3736.6	3423.9	2394.4	1677.6	1578.5	1723.4	2627.0	4102.6	4277.9
72.5°	1338.3	1410.7	1555.6	1567.0	903.7	541.4	438.5	526.1	1105.7	1624.2	1548.0
75°	205.9	221.2	312.7	373.7	259.3	198.2	209.7	217.3	308.8	419.4	350.8
77.5°	99.2	99.2	95.3	110.6	129.6	141.0	152.5	167.8	183.0	202.1	194.4
80°	64.8	64.8	64.8	76.3	95.3	114.4	129.6	137.3	144.9	160.1	152.5
82.5°	42.0	42.0	42.0	57.2	76.3	95.3	102.9	122.0	137.3	160.1	148.7
85°	22.9	22.9	22.9	38.1	57.2	80.1	76.3	61.0	34.3	3.8	7.7
87.5°	7.7	7.7	7.7	7.7	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°	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1
2.5°	11987.4	11812.0	11796.8	11438.4	11118.1	10961.8	10835.9	10485.2	10561.4	10359.4	10355.6
5°	11407.8	11049.5	10469.9	9993.4	9516.8	9421.4	9005.8	8643.6	8655.1	8395.8	8441.5
7.5°	10367.0	10119.2	9413.7	8666.5	8033.6	7583.6	7190.9	6954.6	6653.3	6550.4	6497.0
10°	9707.3	9402.3	8609.2	7671.3	6962.1	6721.9	6344.5	6134.8	5825.9	5673.4	5566.7
12.5°	9417.6	8971.5	7980.2	7027.0	6554.2	6306.3	5986.1	5604.8	5238.8	5097.7	4903.3
15°	9448.0	8914.3	7797.2	6767.7	6199.6	5719.2	5433.2	5010.0	4636.3	4388.5	4247.5
17.5°	9909.4	9261.3	7881.0	6569.5	5753.5	5151.0	4590.6	4133.1	3835.6	3648.8	3603.1
20°	10999.9	10119.2	8022.1	6249.1	5307.4	4556.3	3866.2	3389.6	3160.8	3157.0	3160.8
22.5°	11907.3	11034.2	8308.1	6058.5	4861.3	3793.8	3107.4	2954.9	2909.2	3004.5	3015.9
25°	13131.2	12063.6	8799.9	5959.4	4449.6	3233.2	2810.0	2752.8	2749.1	2871.0	2874.9
27.5°	14385.6	12963.5	9093.5	5669.6	4030.2	2943.5	2630.8	2619.4	2680.4	2810.0	2798.6
30°	15239.7	13718.4	9623.5	5322.7	3534.5	2688.0	2558.4	2573.6	2657.5	2756.6	2771.9
32.5°	16234.8	14461.9	9760.7	5132.0	3229.4	2474.5	2383.0	2417.3	2524.1	2680.4	2764.3
35°	17374.9	14988.0	9970.5	4872.8	3115.1	2310.6	2264.8	2302.9	2432.6	2535.5	2627.0
37.5°	18217.5	15918.4	10008.6	4670.7	2989.3	2219.1	2146.6	2272.4	2348.7	2493.6	2539.3
40°	18842.8	16593.3	10107.7	4544.8	2890.1	2100.8	2100.8	2184.7	2287.7	2421.2	2512.7
42.5°	19243.2	17085.1	10180.1	4430.5	2699.4	2066.5	2047.5	2131.3	2268.6	2398.3	2440.2
44°	19487.1	17294.8	10107.7	4323.7	2646.0	2024.6	2024.6	2097.0	2203.8	2356.3	2405.8
45°	19548.1	17557.9	9947.6	4319.9	2581.3	1975.0	1967.4	2104.7	2177.1	2364.0	2394.4
47.5°	19784.5	17881.9	9966.6	4197.9	2424.9	1856.8	1990.3	2051.3	2116.1	2280.0	2383.0
50°	19777.0	18084.0	9924.7	4018.7	2310.6	1723.4	1944.6	2013.2	2077.9	2245.7	2287.7
52.5°	19830.3	18839.0	10309.7	3732.7	2104.7	1551.8	1792.0	1944.6	2024.6	2165.7	2253.4
55°	19803.6	19269.8	10691.0	3519.2	1814.9	1448.9	1662.4	1841.5	1956.0	2104.7	2146.6
57.5°	18087.9	17031.7	9894.2	3118.8	1502.3	1326.8	1479.4	1734.8	1879.7	2032.2	2085.6
60°	14778.4	13127.4	8159.4	2295.3	1235.3	1220.1	1376.4	1700.5	1761.5	1894.9	1986.4
62.5°	13657.4	11514.6	6470.3	1753.9	1056.1	1117.2	1269.7	1536.6	1631.9	1795.8	1879.7
65°	10687.3	7648.5	4007.3	1185.8	930.3	1002.7	1147.6	1345.9	1502.3	1654.8	1753.9
67.5°	6329.2	4178.8	1982.7	831.2	812.2	888.3	1037.0	1185.8	1364.9	1532.7	1582.3
70°	3446.8	2055.1	846.5	632.9	690.1	758.8	903.7	1006.6	1178.2	1307.8	1391.7
72.5°	1105.7	625.3	423.2	468.9	526.1	606.2	693.9	819.7	941.8	1018.0	1086.7
75°	266.9	263.1	301.2	327.9	381.3	442.3	514.7	579.5	674.9	747.3	808.3
77.5°	186.8	202.1	232.6	270.7	289.8	312.7	358.4	408.0	449.9	503.3	541.4
80°	144.9	156.3	179.2	198.2	217.3	236.4	259.3	278.4	305.0	339.3	358.4
82.5°	137.3	144.9	167.8	179.2	171.6	167.8	183.0	190.7	194.4	205.9	217.3
85°	11.4	0.0	7.7	26.7	64.8	95.3	102.9	102.9	99.2	106.7	106.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	15.2	11.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1
2.5°	10309.7	10180.1	10229.7	10290.7	10203.0	10000.9	10054.3	10031.4	10237.3	10222.1	10428.0
5°	8643.6	8441.5	8464.4	8761.8	8666.5	8769.4	8563.5	8536.8	8574.9	8594.0	8628.3
7.5°	6615.2	6588.5	6817.2	7068.9	7187.1	7065.1	6863.0	6817.2	6775.3	6691.4	6882.1
10°	5398.9	5406.5	5391.3	5581.9	5715.4	5688.7	5566.7	5551.4	5471.4	5440.8	5547.6
12.5°	4819.4	4716.4	4666.9	4605.8	4708.8	4777.4	4724.1	4685.9	4689.8	4727.8	4743.1
15°	4258.9	4194.1	4087.3	4018.7	4068.3	4033.9	4014.8	4091.1	4072.0	4064.5	4156.0
17.5°	3629.8	3683.2	3675.5	3599.3	3664.1	3637.4	3633.6	3580.2	3507.7	3454.4	3484.9
20°	3214.2	3313.3	3389.6	3393.4	3427.7	3423.9	3366.7	3202.8	3149.4	3137.9	3145.5
22.5°	3065.4	3118.8	3210.3	3340.0	3340.0	3279.0	3210.3	3019.7	2970.2	2916.8	2893.9
25°	2947.3	3050.2	3168.5	3183.7	3244.7	3187.5	3076.9	2981.6	2878.7	2806.2	2806.2
27.5°	2886.3	3000.7	3088.3	3115.1	3198.9	3153.2	3038.8	2916.8	2794.8	2790.9	2726.1
30°	2859.6	2966.4	3023.6	3088.3	3126.5	3054.0	3019.7	2890.1	2768.1	2737.6	2630.8
32.5°	2779.5	2932.1	3038.8	3023.6	3054.0	3023.6	2973.9	2867.2	2730.0	2661.3	2649.9
35°	2688.0	2840.6	2954.9	3035.0	3054.0	2989.3	2958.7	2813.8	2627.0	2592.7	2474.5
37.5°	2638.5	2730.0	2871.0	3000.7	3027.3	2993.0	2890.1	2741.4	2554.5	2516.4	2413.5
40°	2577.4	2695.7	2806.2	2913.0	2993.0	2909.2	2790.9	2646.0	2562.2	2447.8	2417.3
42.5°	2531.7	2665.1	2756.6	2874.9	2966.4	2855.8	2718.5	2619.4	2501.2	2424.9	2337.2
44°	2516.4	2638.5	2699.4	2844.3	2920.6	2836.7	2722.3	2619.4	2482.1	2413.5	2337.2
45°	2463.0	2630.8	2695.7	2825.3	2890.1	2821.5	2676.6	2573.6	2474.5	2390.6	2310.6
47.5°	2409.7	2524.1	2634.6	2737.6	2783.4	2760.5	2638.5	2512.7	2394.4	2344.9	2268.6
50°	2394.4	2508.8	2611.7	2707.1	2760.5	2714.7	2604.2	2482.1	2344.9	2264.8	2200.0
52.5°	2318.2	2459.3	2573.6	2604.2	2672.8	2646.0	2562.2	2428.7	2299.1	2230.5	2177.1
55°	2207.6	2356.3	2512.7	2550.8	2649.9	2607.9	2482.1	2356.3	2245.7	2142.8	2074.2
57.5°	2165.7	2310.6	2463.0	2512.7	2573.6	2505.0	2474.5	2341.1	2165.7	2112.3	2005.5
60°	2058.9	2241.9	2367.8	2482.1	2485.9	2466.9	2413.5	2260.9	2116.1	2017.0	1940.7
62.5°	1975.0	2146.6	2245.7	2352.5	2417.3	2364.0	2310.6	2169.4	2013.2	1902.6	1814.9
65°	1853.0	2009.3	2093.2	2158.0	2230.5	2222.8	2131.3	2028.4	1864.4	1776.8	1692.8
67.5°	1666.2	1803.4	1917.8	1978.9	2024.6	2013.2	1944.6	1872.1	1704.3	1616.7	1555.6
70°	1441.2	1582.3	1654.8	1689.1	1734.8	1757.7	1704.3	1670.0	1521.3	1406.9	1349.7
72.5°	1159.1	1250.6	1357.4	1387.8	1406.9	1422.1	1422.1	1391.7	1239.1	1193.4	1094.3
75°	854.0	926.5	1006.6	1006.6	1040.9	1044.7	1052.3	1033.3	918.9	857.9	835.0
77.5°	579.5	632.9	697.8	724.4	747.3	743.5	739.7	686.3	625.3	598.6	575.7
80°	377.4	430.8	461.4	495.7	518.6	514.7	522.3	484.2	457.5	411.8	419.4
82.5°	225.0	266.9	297.4	339.3	339.3	350.8	350.8	339.3	312.7	289.8	289.8
85°	106.7	141.0	160.1	186.8	202.1	205.9	183.0	156.3	129.6	118.2	129.6
87.5°	19.1	26.7	38.1	34.3	42.0	38.1	38.1	38.1	38.1	30.5	34.3
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°	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1	11648.1
2.5°	10351.7	10542.4	10675.8	10896.9	11278.2	11583.3	11895.9	12128.5	12155.1	12223.8
5°	8754.1	8857.1	9196.4	9638.7	9951.4	10466.1	10797.9	11400.3	11625.2	11865.4
7.5°	6836.3	7004.1	7457.8	7755.2	8441.5	9085.9	9753.1	10496.6	10794.0	10828.3
10°	5765.0	6008.9	6317.8	6794.4	7168.0	7884.9	8716.0	9543.4	9875.1	9932.3
12.5°	5063.4	5376.0	5787.8	6131.0	6489.3	7114.7	7911.5	8933.4	9364.2	9623.5
15°	4388.5	4712.6	5166.3	5642.9	5959.4	6706.7	7644.6	8796.1	9356.5	9585.4
17.5°	3694.6	3995.8	4369.4	4884.2	5520.9	6359.7	7602.7	9253.6	9867.5	10134.4
20°	3099.8	3267.5	3702.3	4232.2	5029.1	6005.2	7617.9	9928.5	10828.3	10946.5
22.5°	2867.2	2905.3	3076.9	3564.9	4438.1	5642.9	7888.7	10885.5	11907.3	12296.3
25°	2688.0	2680.4	2726.1	3054.0	4007.3	5501.8	8155.5	11766.3	13104.5	13527.7
27.5°	2588.9	2512.7	2516.4	2825.3	3702.3	5273.1	8498.7	12776.6	14461.9	14648.7
30°	2539.3	2524.1	2478.3	2604.2	3370.5	4929.9	8555.9	13771.8	15262.6	15533.3
32.5°	2508.8	2360.1	2302.9	2348.7	3057.9	4556.3	8769.4	14427.6	16253.9	16135.7
35°	2356.3	2222.8	2184.7	2230.5	2836.7	4346.5	8628.3	14999.5	16997.4	17195.7
37.5°	2299.1	2180.9	2104.7	2066.5	2630.8	4171.2	8555.9	15880.3	17718.0	18194.6
40°	2245.7	2119.9	2028.4	1990.3	2470.7	3938.6	8533.0	16559.0	18549.2	18835.2
42.5°	2184.7	2104.7	2001.7	1933.1	2276.3	3706.0	8270.0	16768.6	18804.7	19113.5
44°	2165.7	2043.6	1936.9	1914.0	2200.0	3587.9	8216.6	16959.3	19025.8	19494.8
45°	2146.6	2032.2	1910.2	1879.7	2173.3	3523.0	8144.1	17005.0	19391.9	19479.5
47.5°	2093.2	2020.8	1902.6	1818.7	2116.1	3381.9	7926.8	16745.7	19018.2	19033.4
50°	2051.3	1967.4	1845.4	1681.4	2039.8	3263.8	8025.9	16650.5	18118.3	18152.6
52.5°	2005.5	1879.7	1811.1	1528.9	1914.0	3164.6	8235.7	17081.3	18221.3	18213.7
55°	1952.1	1814.9	1647.1	1399.3	1704.3	3038.8	8742.7	17931.5	19174.5	19304.1
57.5°	1868.3	1750.0	1509.8	1284.9	1464.1	2798.6	8578.8	16303.5	17641.7	17664.6
60°	1757.7	1647.1	1368.8	1197.2	1201.0	2207.6	7671.3	12704.2	13920.5	14252.2
62.5°	1651.0	1589.9	1250.6	1071.4	1021.8	1757.7	6485.5	10557.6	11949.3	12223.8
65°	1525.2	1376.4	1147.6	976.1	876.9	1231.6	4594.4	7888.7	9322.2	9692.1
67.5°	1364.9	1204.8	1010.4	857.9	751.1	823.6	2371.5	4483.9	5936.5	6153.8
70°	1193.4	1044.7	850.3	724.4	606.2	568.1	1044.7	2139.0	3244.7	3469.6
72.5°	979.8	842.6	678.7	571.9	453.7	392.7	350.8	571.9	1151.5	1338.3
75°	709.2	613.8	510.9	408.0	320.3	251.6	205.9	171.6	190.7	205.9
77.5°	522.3	446.1	377.4	289.8	225.0	179.2	141.0	106.7	102.9	99.2
80°	408.0	362.2	301.2	232.6	175.3	133.5	99.2	72.4	64.8	64.8
82.5°	320.3	297.4	247.8	190.7	144.9	106.7	72.4	49.5	42.0	42.0
85°	122.0	122.0	179.2	156.3	110.6	76.3	49.5	26.7	22.9	22.9
87.5°	30.5	30.5	30.5	30.5	26.7	22.9	22.9	11.4	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

(END OF REPORT)