

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: P654433

Luminaire Tested: **GLAN-SA6B-840-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P654433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-840-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15688 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 243
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

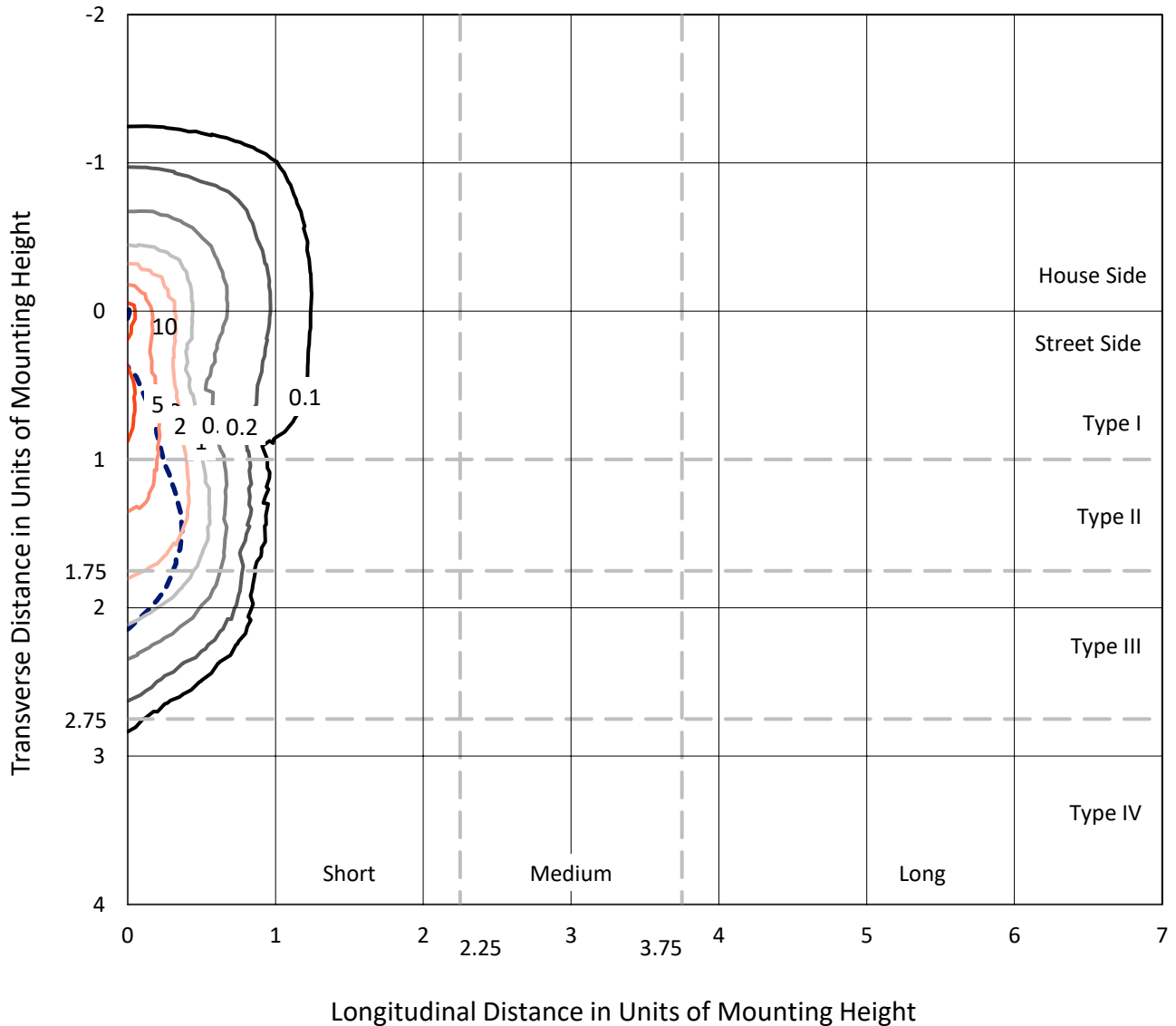




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Iso-Footcandle Lines of Horizontal Illumination

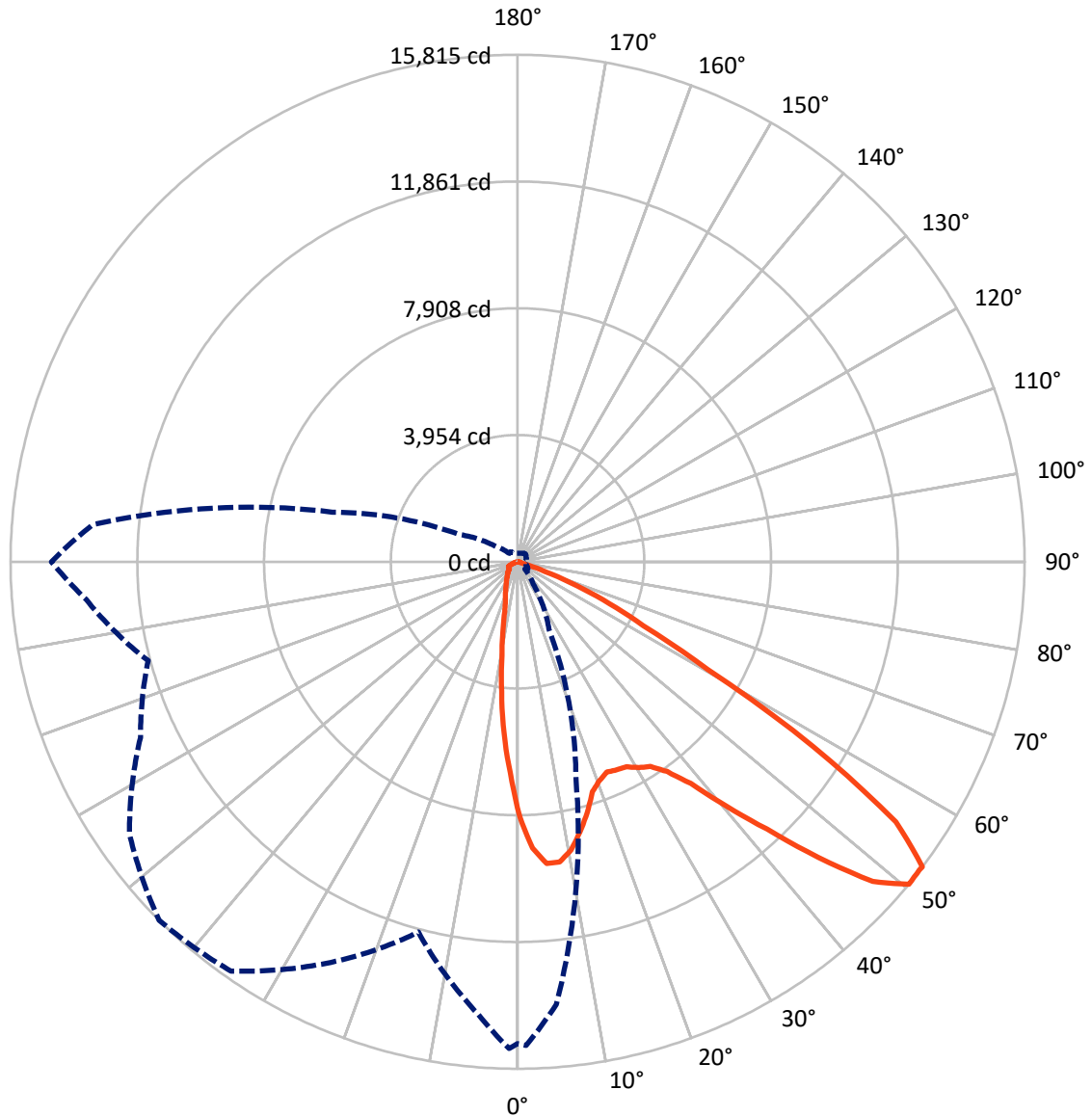
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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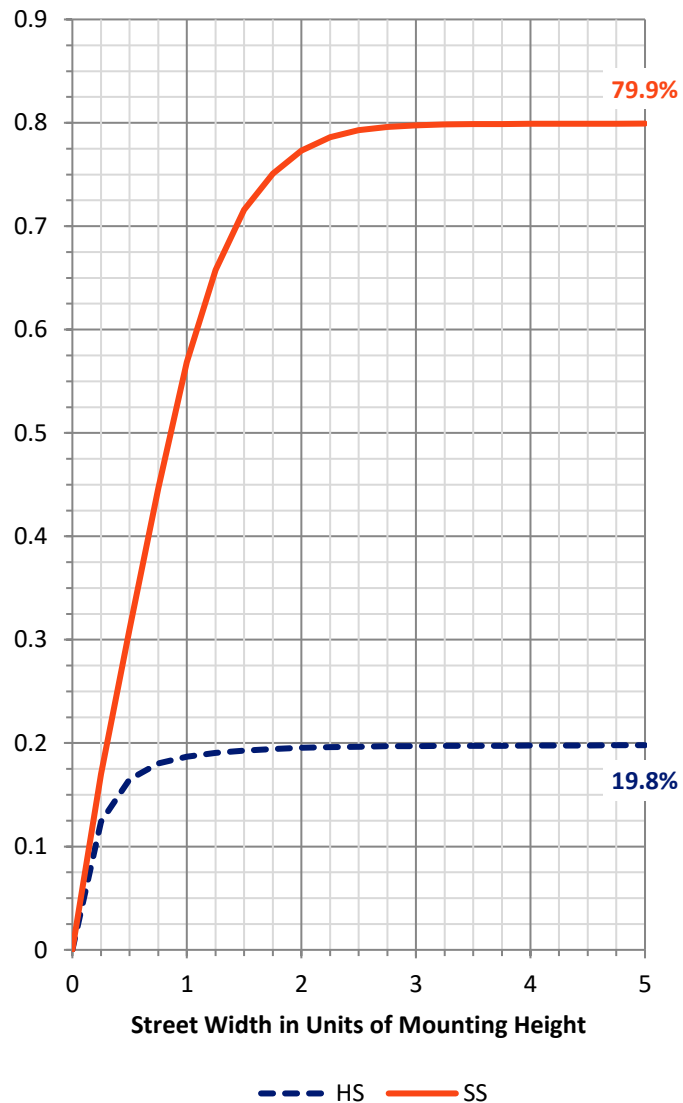
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3142.3	0.0	3142.3
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	12545.7	0.0	12545.7
	% Fixture	80.0	0.0	80.0
Total	Lumens	15688.0	0.0	15688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	579.9	3.7
10°-20°	1152.5	7.3
20°-30°	1731.4	11.0
30°-40°	2598.8	16.6
40°-50°	3652.5	23.3
50°-60°	3939.8	25.1
60°-70°	1829.2	11.7
70°-80°	172.1	1.1
80°-90°	31.7	0.2
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°	15688.0	100.0
0°-180°	15688.0	100.0

Coefficient of Utilization

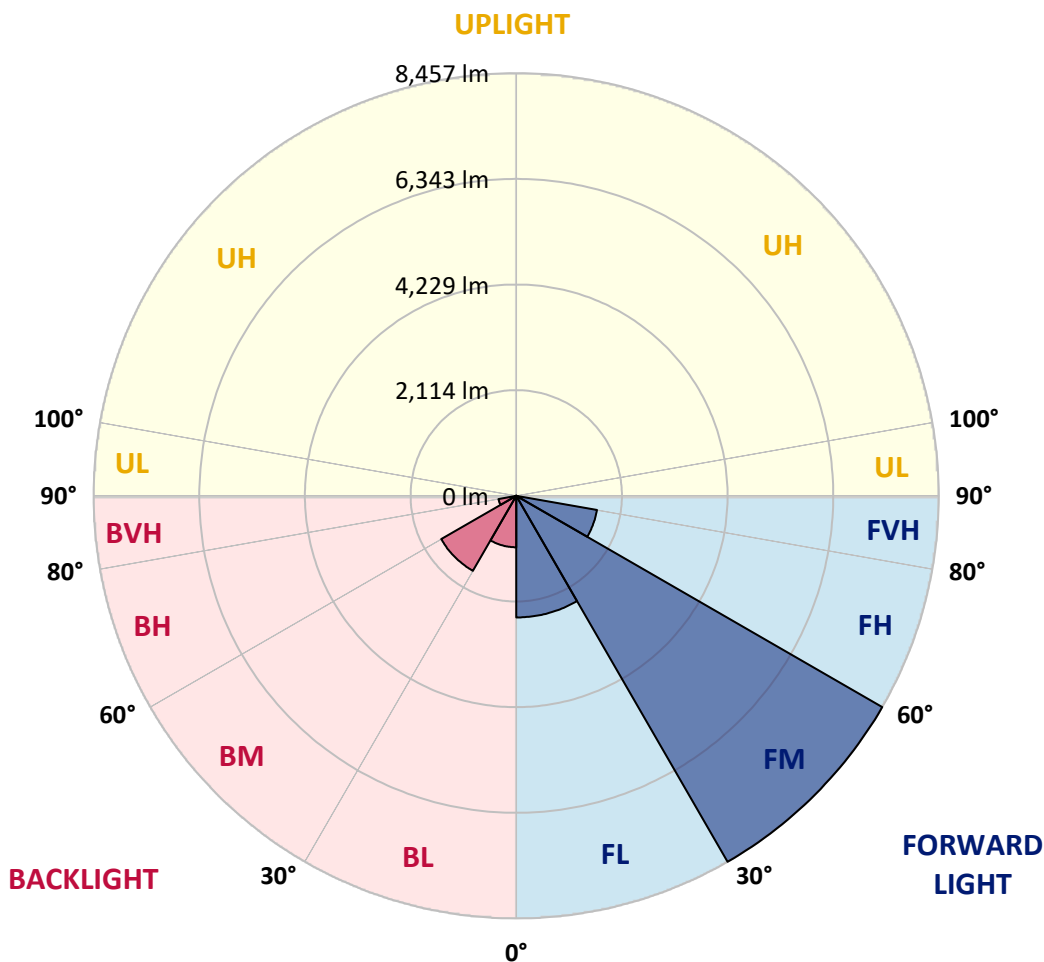


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2433.9	15.5			
FM (30°-60°)	8457.0	53.9			
FH (60°-80°)	1640.5	10.5			G1/1800
FVH (80°-90°)	14.3	0.1			G1/100
BL (0°-30°)	1030.0	6.6	B3/2500		
BM (30°-60°)	1734.1	11.1	B2/2500		
BH (60°-80°)	360.8	2.3	B1/500		G1/500
BVH (80°-90°)	17.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8
2.5°	8270.1	8142.6	7980.7	7846.9	7647.6	7246.1	7137.1	7006.5	6897.5	6751.2	6545.8
5°	7520.1	7479.6	7404.8	6900.7	6536.4	6050.9	5652.4	5484.4	5263.4	5082.8	4952.1
7.5°	6947.3	6785.4	6548.9	6041.6	5459.5	4939.7	4497.7	4239.4	3946.8	3847.2	3669.8
10°	6334.2	6371.5	6022.9	5310.1	4606.7	4186.4	3912.5	3663.6	3399.0	3224.6	2972.5
12.5°	6138.0	6016.7	5749.0	4868.1	4267.4	3875.2	3542.1	3234.0	2953.8	2673.7	2430.9
15°	6265.6	6078.9	5705.4	4774.7	4005.9	3517.2	3100.2	2683.0	2424.7	2066.8	1814.6
17.5°	6723.2	6573.8	6072.7	4874.4	3872.0	3174.9	2555.5	2125.9	1730.6	1406.9	1279.2
20°	7485.8	7274.1	6645.4	5001.9	3672.9	2760.8	2073.0	1543.8	1170.3	1033.4	961.8
22.5°	8232.8	8117.7	7323.9	5247.8	3495.4	2393.6	1556.3	1039.6	874.6	849.7	803.1
25°	9655.3	9309.8	8360.5	5693.0	3358.5	2048.1	1173.4	837.3	740.8	722.1	728.3
27.5°	10501.9	10212.4	9319.1	5988.7	3206.0	1783.5	992.9	768.8	703.4	663.0	647.4
30°	11314.3	10978.2	9795.4	6162.9	2879.2	1503.4	880.9	737.7	722.1	663.0	644.3
32.5°	11939.9	11610.0	10483.2	6424.4	2745.3	1322.9	725.2	575.8	535.4	529.2	585.2
35°	12898.6	12546.9	11071.5	6567.6	2642.6	1229.5	628.7	513.6	466.9	448.3	451.4
37.5°	13791.9	13552.2	11616.2	6623.6	2533.7	1201.5	563.4	460.7	420.2	407.7	404.6
40°	14539.0	14003.6	12132.9	6682.8	2487.0	1148.6	522.9	420.2	392.2	373.5	373.5
42.5°	14881.3	14336.6	12711.9	6648.5	2474.5	1064.5	522.9	385.9	364.2	345.5	342.4
45°	14806.6	14585.6	12970.2	6633.0	2474.5	980.4	476.3	376.6	345.5	320.6	314.4
47.5°	14999.6	14710.1	13293.9	6698.3	2424.7	921.3	401.5	395.3	326.8	295.7	289.5
50°	15033.9	15089.9	13857.3	7037.6	2315.8	846.6	314.4	389.0	314.4	267.7	261.5
52°	15257.9	14909.3	14028.5	7218.1	2200.6	790.6	264.6	333.0	301.9	249.0	242.8
52.5°	14949.8	15177.0	14068.9	7283.5	2213.1	753.3	255.2	326.8	295.7	249.0	233.5
55°	14604.3	14822.2	13904.0	7423.5	2029.4	591.4	199.2	236.6	267.7	217.9	208.6
57.5°	12693.2	12914.1	12083.1	6797.9	1652.8	417.1	165.0	177.5	236.6	202.3	193.0
60°	11283.2	11124.4	10140.9	5671.1	1173.4	233.5	130.7	136.9	258.4	186.8	183.7
62.5°	10312.0	9972.7	8475.6	4379.4	715.9	155.7	102.7	105.8	199.2	174.3	174.3
65°	7629.0	7249.3	5630.7	2648.8	351.7	108.9	77.8	84.0	124.5	149.4	149.4
67.5°	4354.5	4208.2	2720.4	1195.2	146.3	68.5	59.1	65.3	96.5	121.4	115.1
70°	2001.4	1796.0	1045.9	252.1	68.5	46.7	46.7	52.9	77.8	90.2	84.0
72.5°	585.2	554.1	255.2	40.5	28.0	28.0	31.1	40.5	59.1	68.5	62.2
75°	43.6	28.0	18.7	12.4	12.4	18.7	24.9	40.5	59.1	65.3	52.9
77.5°	3.1	6.2	3.1	3.1	9.3	18.7	28.0	49.8	77.8	80.9	59.1
80°	3.1	3.1	0.0	3.1	9.3	18.7	31.1	56.0	87.1	93.4	49.8
82.5°	0.0	0.0	0.0	3.1	12.4	24.9	37.3	59.1	80.9	99.6	52.9
85°	0.0	0.0	0.0	3.1	18.7	34.2	43.6	15.6	9.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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°	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8
2.5°	6692.1	6611.2	6580.1	6608.1	6598.7	6589.4	6760.5	6723.2	6717.0	6773.0	6760.5
5°	5023.7	4880.6	5272.7	5114.0	5279.0	5378.5	5397.3	5406.6	5521.8	5400.4	5559.1
7.5°	3579.5	3616.8	3613.7	3719.6	3909.4	4077.5	4177.1	4099.3	4093.1	4077.5	4009.0
10°	2860.5	2795.1	2782.7	2757.7	2816.9	2960.1	3081.5	2985.0	2916.5	3009.9	2981.8
12.5°	2337.6	2247.3	2197.5	2097.9	2101.0	2197.5	2197.5	2197.5	2266.0	2318.9	2359.3
15°	1792.8	1718.2	1718.2	1618.6	1596.7	1599.8	1649.7	1655.9	1764.8	1796.0	1811.5
17.5°	1254.4	1213.9	1260.6	1301.0	1276.1	1282.4	1301.0	1307.3	1322.9	1310.4	1341.6
20°	964.9	958.7	971.1	1042.8	1095.7	1126.8	1105.0	1073.9	1055.2	1011.6	1011.6
22.5°	818.6	831.1	852.9	912.0	980.4	999.1	974.2	902.6	846.6	840.4	843.5
25°	728.3	740.8	775.1	812.4	849.7	880.9	856.0	803.1	772.0	743.9	743.9
27.5°	672.3	678.5	697.2	725.2	756.4	781.3	772.0	743.9	709.6	697.2	669.2
30°	628.7	638.1	659.8	666.1	694.1	706.5	691.0	684.7	663.0	647.4	638.1
32.5°	606.9	603.8	619.4	625.6	628.7	638.1	619.4	628.7	625.6	600.7	591.4
35°	457.6	482.5	522.9	557.2	566.5	578.9	575.8	563.4	529.2	501.2	466.9
37.5°	410.8	426.4	448.3	476.3	513.6	529.2	522.9	491.8	451.4	432.6	426.4
40°	379.7	389.0	407.7	426.4	463.8	491.8	470.0	442.0	410.8	395.3	385.9
42.5°	351.7	354.8	364.2	382.8	410.8	454.5	417.1	379.7	367.3	357.9	351.7
45°	320.6	320.6	333.0	342.4	373.5	413.9	376.6	342.4	336.1	329.9	326.8
47.5°	295.7	298.8	305.0	317.5	342.4	370.4	345.5	317.5	301.9	298.8	292.6
50°	264.6	267.7	280.1	292.6	323.7	339.3	323.7	292.6	277.0	267.7	267.7
52°	239.7	249.0	261.5	286.4	308.1	333.0	314.4	280.1	261.5	252.1	245.9
52.5°	236.6	242.8	255.2	283.2	308.1	329.9	311.3	277.0	255.2	249.0	242.8
55°	211.7	221.0	242.8	277.0	305.0	329.9	305.0	273.9	242.8	227.2	221.0
57.5°	202.3	208.6	236.6	280.1	301.9	329.9	305.0	273.9	242.8	214.8	208.6
60°	193.0	205.5	236.6	270.8	298.8	333.0	308.1	270.8	236.6	202.3	202.3
62.5°	183.7	193.0	233.5	264.6	286.4	320.6	295.7	264.6	227.2	193.0	189.9
65°	158.8	174.3	205.5	221.0	245.9	277.0	252.1	230.3	199.2	171.2	168.1
67.5°	121.4	127.6	152.6	171.2	186.8	214.8	202.3	174.3	152.6	130.7	130.7
70°	84.0	90.2	108.9	118.2	133.8	149.4	140.0	118.2	102.7	90.2	87.1
72.5°	59.1	62.2	68.5	74.7	80.9	87.1	84.0	68.5	59.1	56.0	52.9
75°	46.7	52.9	56.0	52.9	49.8	46.7	46.7	40.5	34.2	31.1	31.1
77.5°	46.7	49.8	46.7	40.5	34.2	31.1	28.0	24.9	18.7	15.6	18.7
80°	40.5	40.5	40.5	34.2	31.1	28.0	24.9	21.8	18.7	15.6	15.6
82.5°	43.6	43.6	40.5	34.2	34.2	28.0	28.0	24.9	21.8	15.6	15.6
85°	0.0	0.0	0.0	6.2	15.6	28.0	28.0	24.9	21.8	18.7	18.7
87.5°	0.0	0.0	0.0	0.0	3.1	6.2	12.4	15.6	18.7	18.7	18.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8
2.5°	6872.7	6990.9	7215.0	7439.1	7576.1	7738.0	8030.5	8186.1	8388.5	8488.0	8684.2
5°	5537.3	5817.4	5917.0	6172.3	6446.2	6720.1	7155.9	7635.2	8033.7	8307.6	8662.4
7.5°	4040.2	4105.5	4491.4	4662.7	5110.9	5608.9	6203.4	6807.2	7311.5	7759.7	8030.5
10°	3028.5	3268.2	3511.0	3837.8	4198.9	4712.5	5282.1	5948.1	6601.8	7050.0	7392.4
12.5°	2434.0	2623.9	2947.6	3299.3	3744.5	4083.7	4656.4	5316.3	6162.9	6601.8	7053.1
15°	1842.6	2085.4	2452.7	2816.9	3286.9	3644.9	4223.8	5054.8	6144.3	6748.1	7137.1
17.5°	1366.5	1531.4	1861.3	2269.1	2748.4	3252.7	4033.9	5026.8	6352.8	7071.8	7473.4
20°	1045.9	1101.9	1310.4	1674.6	2194.4	2854.3	3725.8	5148.3	6969.1	7859.3	8267.0
22.5°	846.6	871.5	952.4	1204.6	1708.8	2505.7	3579.5	5232.3	7663.2	8802.4	9347.1
25°	737.7	731.5	784.4	893.3	1335.3	2178.8	3392.8	5549.8	8512.9	9910.5	10399.2
27.5°	672.3	672.3	697.2	775.1	1108.1	1967.2	3274.4	5777.0	9368.9	10884.7	11149.3
30°	638.1	644.3	715.9	740.8	921.3	1715.1	3078.4	6007.3	10187.5	11507.2	11871.5
32.5°	591.4	566.5	550.9	613.2	775.1	1487.8	2882.3	6103.8	10850.5	12269.9	12581.1
35°	454.5	442.0	460.7	507.4	666.1	1294.8	2664.4	6212.7	11613.1	13153.8	13216.1
37.5°	410.8	407.7	420.2	460.7	560.3	1126.8	2508.8	6184.7	12195.2	13885.3	13717.2
40°	379.7	379.7	389.0	423.3	501.2	1008.4	2346.9	6159.8	12758.6	14707.0	14215.3
42.5°	354.8	354.8	370.4	392.2	476.3	930.7	2225.5	6125.6	13231.6	15211.3	14507.8
45°	320.6	329.9	354.8	376.6	482.5	877.8	2135.2	5994.9	13393.5	15205.0	14367.7
47.5°	295.7	308.1	333.0	364.2	435.7	862.2	2073.0	5879.7	13337.5	14831.5	13928.9
50°	267.7	283.2	317.5	370.4	370.4	831.1	2007.6	5982.5	13297.1	14542.1	13508.6
52°	249.0	261.5	305.0	361.0	323.7	765.7	1967.2	6181.6	13462.0	14504.7	13321.9
52.5°	245.9	255.2	295.7	354.8	308.1	753.3	1939.2	6228.3	13514.9	14411.3	13449.5
55°	217.9	230.3	270.8	277.0	252.1	619.4	1848.9	6334.2	13253.4	14227.7	13328.2
57.5°	205.5	211.7	239.7	227.2	217.9	466.9	1590.5	6169.2	11771.8	12637.1	12400.6
60°	189.9	196.1	224.1	177.5	183.7	326.8	1195.2	5356.7	9452.9	10529.9	10956.4
62.5°	183.7	180.6	211.7	143.1	155.7	236.6	843.5	4354.5	7283.5	8668.6	9406.2
65°	161.9	158.8	152.6	121.4	133.8	183.7	504.3	2841.8	5132.7	6558.2	6962.9
67.5°	124.5	130.7	112.0	96.5	112.0	143.1	280.1	1273.0	2692.4	3934.3	4261.2
70°	87.1	93.4	90.2	84.0	99.6	118.2	161.9	435.7	1114.3	2066.8	2278.4
72.5°	52.9	65.3	68.5	71.6	87.1	102.7	115.1	140.0	295.7	731.5	908.9
75°	31.1	43.6	52.9	62.2	71.6	87.1	96.5	99.6	102.7	136.9	221.0
77.5°	21.8	31.1	46.7	59.1	71.6	87.1	102.7	108.9	102.7	96.5	102.7
80°	18.7	31.1	43.6	56.0	74.7	90.2	102.7	102.7	99.6	87.1	93.4
82.5°	18.7	31.1	46.7	59.1	71.6	87.1	99.6	102.7	93.4	87.1	90.2
85°	21.8	34.2	49.8	62.2	77.8	71.6	65.3	52.9	49.8	40.5	43.6
87.5°	21.8	31.1	31.1	34.2	37.3	37.3	37.3	34.2	28.0	24.9	24.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8
2.5°	8693.5	8942.5	8933.2	8939.4	8902.1	8649.9	8528.5	8220.4	8307.6	8270.1
5°	9026.5	9272.4	9484.1	9459.1	9172.8	8830.4	8323.1	7843.8	7713.0	7520.1
7.5°	8693.5	9284.9	9481.0	9452.9	9029.6	8590.7	7781.5	7302.2	7074.9	6947.3
10°	8164.3	8849.1	9091.9	9141.7	8855.3	8189.2	7445.4	6676.5	6555.1	6334.2
12.5°	7862.4	8360.5	8509.8	8643.7	8544.1	8046.1	7190.1	6452.4	6284.4	6138.0
15°	7616.5	7912.2	7974.4	8127.0	8186.1	7918.4	7323.9	6695.2	6281.3	6265.6
17.5°	7843.8	7722.3	7495.2	7541.8	7728.6	7921.5	7669.4	7174.6	6773.0	6723.2
20°	8220.4	7685.0	7171.5	7286.6	7442.3	8033.7	8192.3	7843.8	7613.4	7485.8
22.5°	8653.0	7750.4	7068.7	7124.7	7420.4	8285.7	9039.0	8846.0	8416.5	8232.8
25°	9452.9	7930.9	7149.7	7187.0	7591.6	8637.5	9804.7	9947.9	9692.6	9655.3
27.5°	10234.2	8397.8	7327.0	7243.0	7678.8	8979.9	10268.4	11037.3	10589.0	10501.9
30°	10632.6	8777.5	7591.6	7448.5	8039.9	9188.4	10548.6	11746.9	11354.8	11314.3
32.5°	11242.7	9123.0	7797.1	7613.4	8242.1	9446.7	11071.5	12522.0	12142.3	11939.9
35°	11497.9	9499.7	8248.4	8033.7	8821.1	9807.8	11339.2	13213.0	13094.7	12898.6
37.5°	11989.7	9904.3	8780.6	8768.2	9521.5	10277.8	11821.7	14153.0	14131.2	13791.9
40°	12030.2	10346.2	9621.0	10013.2	10604.6	11096.4	12245.0	14414.4	14769.3	14539.0
42.5°	12092.4	11121.3	11074.6	11398.3	11905.7	11799.8	12260.5	14476.7	15018.3	14881.3
45°	12120.5	11896.4	12553.1	13150.7	13362.4	12721.2	12114.3	14358.4	15149.0	14806.6
47.5°	11896.4	12562.4	13748.3	14903.1	14965.3	13287.7	12052.0	14237.0	15226.8	14999.6
50°	11927.5	12979.6	14781.8	15815.1	15587.9	13788.8	11955.5	14162.4	15186.4	15033.9
52°	11852.8	12988.9	14928.0	15796.4	15637.7	13511.8	11790.5	13876.0	15149.0	15257.9
52.5°	11936.8	12932.8	14775.5	15808.9	15603.5	13648.8	11768.7	14034.7	15170.8	14949.8
55°	11647.3	12266.7	13882.2	14321.1	14289.9	12388.1	11099.5	13508.6	14601.2	14604.3
57.5°	10526.8	10632.6	10887.8	10878.5	10735.4	9739.3	9493.5	12422.4	13016.9	12693.2
60°	9275.6	7784.6	7096.7	6816.6	6657.9	6496.0	8397.8	11364.1	11420.1	11283.2
62.5°	8014.9	5397.3	4482.1	4404.3	4441.7	5033.0	8117.7	10943.9	10607.7	10312.0
65°	6468.0	3934.3	3255.8	3153.1	3517.2	4155.3	6570.7	8391.6	7874.9	7629.0
67.5°	4061.9	2869.8	2200.6	2007.6	2446.5	2860.5	4317.2	5272.7	4693.8	4354.5
70°	2409.1	1602.9	996.0	893.3	1005.3	1525.2	2418.5	2630.1	2175.7	2001.4
72.5°	949.3	588.3	277.0	236.6	245.9	535.4	890.2	868.4	656.7	585.2
75°	255.2	177.5	96.5	77.8	65.3	99.6	143.1	93.4	34.2	43.6
77.5°	118.2	105.8	84.0	65.3	49.8	37.3	18.7	6.2	6.2	3.1
80°	102.7	90.2	77.8	65.3	49.8	31.1	15.6	3.1	3.1	3.1
82.5°	96.5	84.0	71.6	59.1	46.7	31.1	15.6	3.1	0.0	0.0
85°	40.5	52.9	59.1	56.0	49.8	31.1	15.6	3.1	0.0	0.0
87.5°	21.8	18.7	15.6	12.4	9.3	6.2	6.2	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

(END OF REPORT)