

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: P650414

Luminaire Tested: **GLAN-SA5B-835-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5B-835-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12335.4 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 204
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

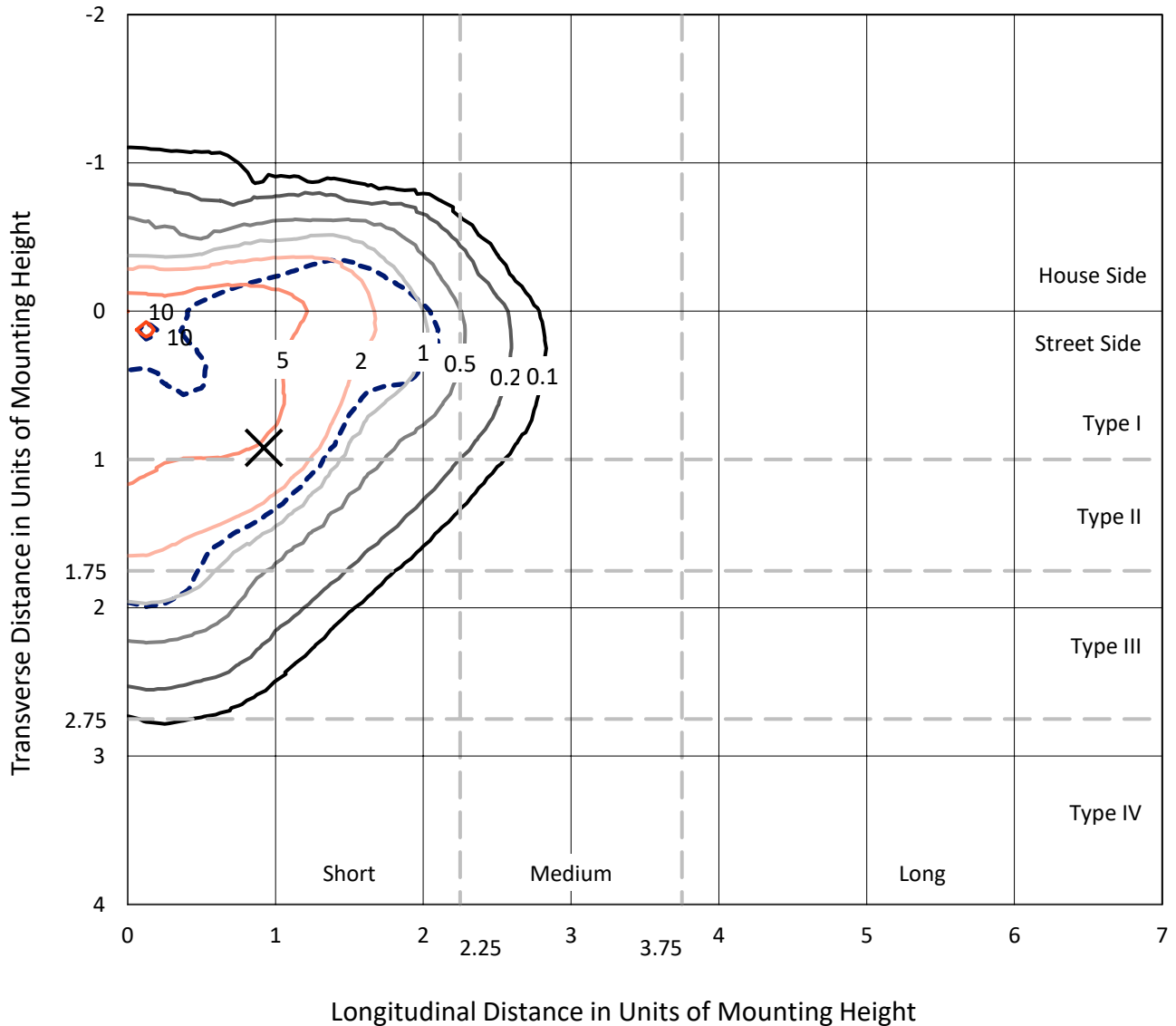




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Iso-Footcandle Lines of Horizontal Illumination

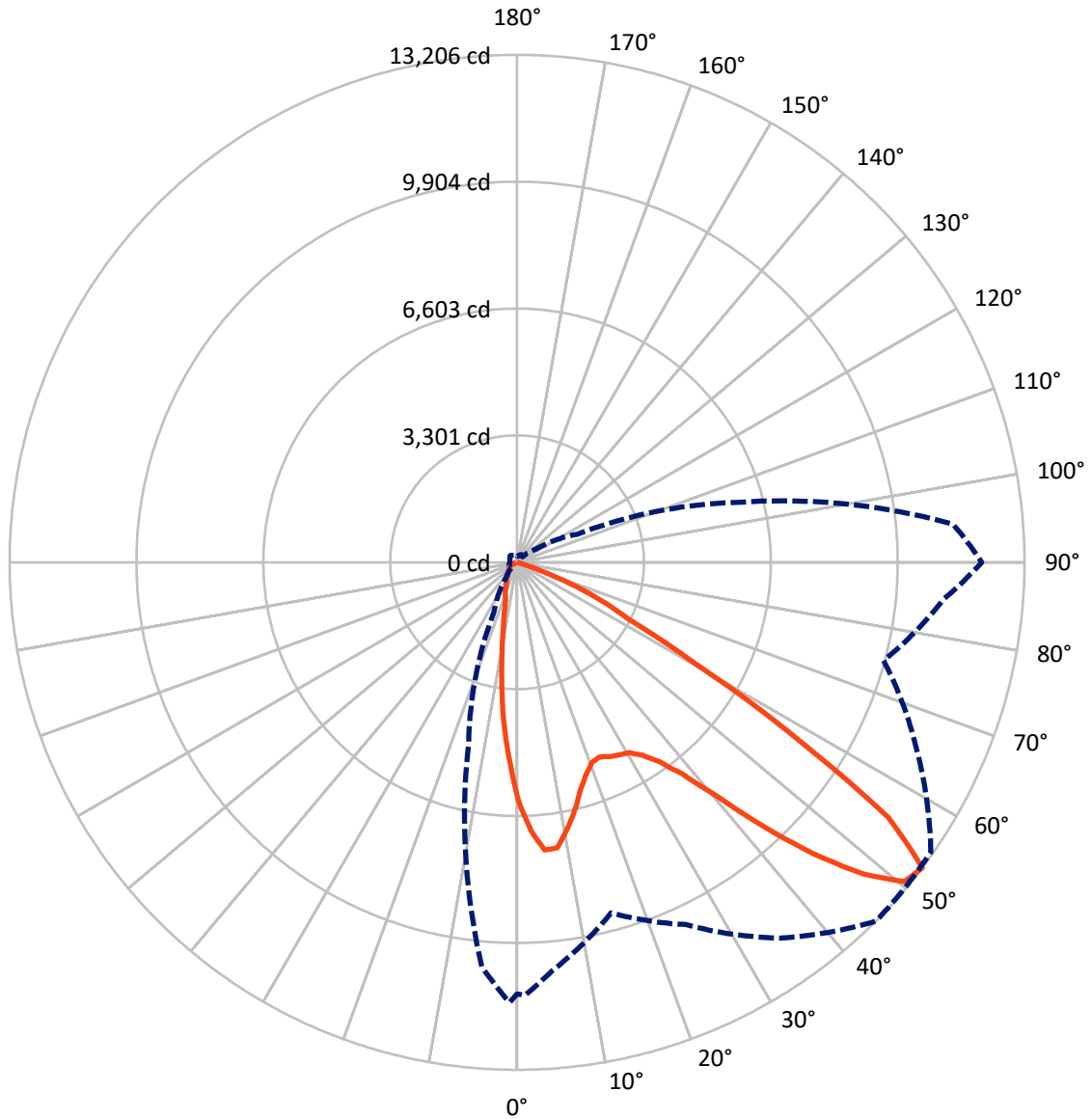
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2503.5	0.0	2503.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	9831.9	0.0	9831.9
	% Fixture	79.7	0.0	79.7
Total	Lumens	12335.4	0.0	12335.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.1	3.7
10°-20°	899.9	7.3
20°-30°	1369.6	11.1
30°-40°	2047.0	16.6
40°-50°	2915.1	23.6
50°-60°	3133.6	25.4
60°-70°	1388.6	11.3
70°-80°	112.4	0.9
80°-90°	13.1	0.1
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°	12335.4	100.0
0°-180°	12335.4	100.0

Coefficient of Utilization



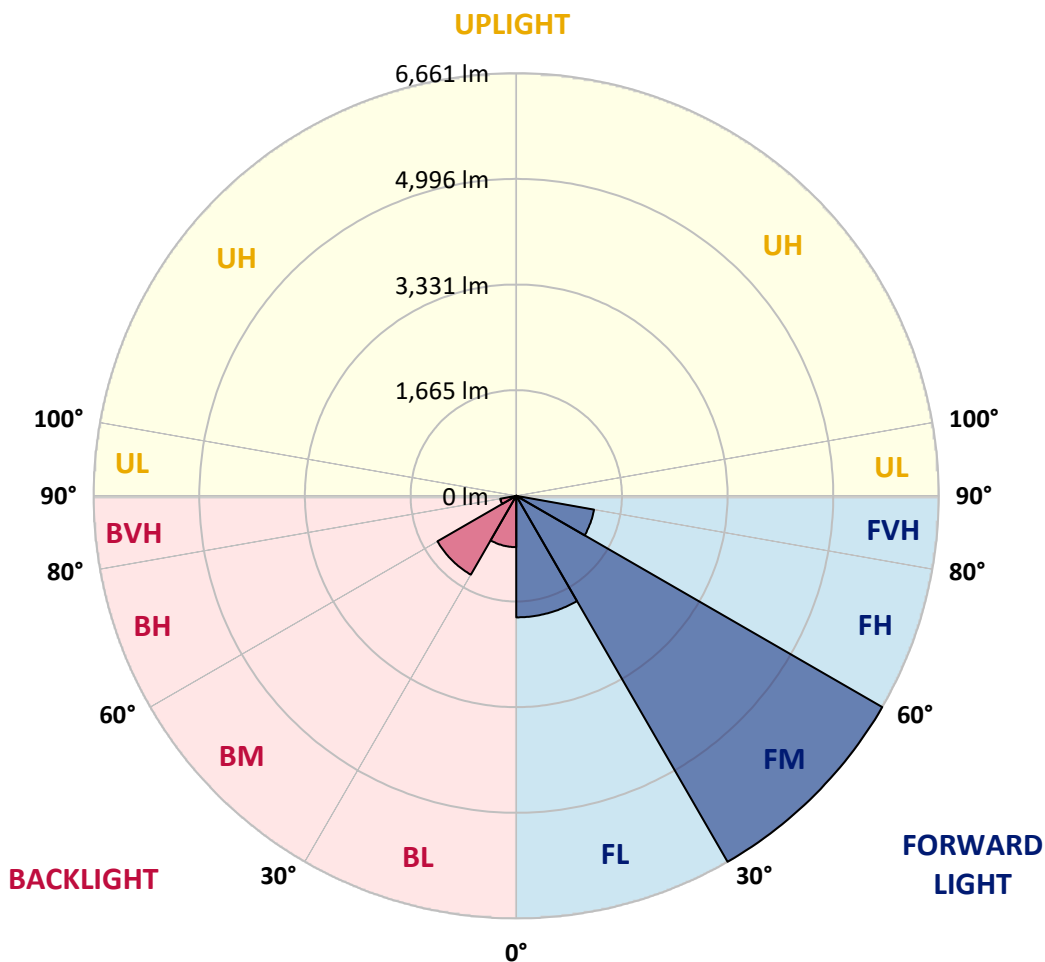
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1915.9	15.5			
FM (30°-60°)	6661.5	54.0			
FH (60°-80°)	1244.8	10.1			G1/1800
FVH (80°-90°)	9.7	0.1			G0/10
BL (0°-30°)	809.7	6.6	B2/1000		
BM (30°-60°)	1434.2	11.6	B2/2500		
BH (60°-80°)	256.1	2.1	B1/500		G1/500
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6
2.5°	6618.5	6638.0	6744.7	6878.1	6948.5	7108.6	6997.0	7026.1	6965.5	6752.0	6584.6
5°	6417.2	6414.7	6550.6	6880.5	7193.5	7511.3	7521.0	7351.2	7052.8	6725.3	6257.0
7.5°	5810.6	5905.2	6045.9	6572.4	7152.3	7390.0	7504.1	7305.2	6846.6	6378.3	5871.2
10°	5352.1	5400.6	5638.4	6274.0	6698.6	7016.4	7086.8	6972.8	6621.0	6036.2	5468.6
12.5°	5087.6	5111.9	5390.9	5924.6	6373.5	6608.8	6642.8	6696.1	6443.9	5895.5	5213.8
15°	5090.0	5109.5	5485.5	5931.9	6109.0	6045.9	6157.6	6155.2	6264.3	5868.8	5427.3
17.5°	5456.4	5478.3	5817.9	6038.7	5961.1	5813.1	5805.8	5917.4	6147.9	6201.2	5750.0
20°	6087.2	6138.2	6388.0	6375.9	5939.2	5640.8	5558.3	5643.2	6179.4	6482.7	6400.2
22.5°	6936.4	7006.8	7181.4	6846.6	6038.7	5524.4	5497.7	5662.7	6388.0	7111.0	7137.7
25°	7921.4	8040.2	8125.2	7695.7	6392.9	5725.7	5599.5	5883.4	6669.5	7792.8	8076.6
27.5°	8574.0	8697.7	8678.3	8064.5	6630.7	5779.1	5672.4	5936.8	6914.5	7955.4	8566.7
30°	9083.5	9158.8	9294.6	8263.5	6868.4	5929.5	5747.5	6162.4	6994.6	8236.8	9158.8
32.5°	9677.9	9728.9	9738.6	8615.3	7234.8	6118.8	5980.5	6443.9	7348.8	8506.0	9682.7
35°	10277.2	10352.4	10194.7	9049.5	7460.4	6470.6	6368.6	6931.5	7632.7	8785.1	10260.2
37.5°	10927.4	10966.2	10602.3	9229.1	7783.1	7043.1	6987.3	7458.0	8125.2	9289.7	10900.7
40°	11473.2	11509.6	11036.5	9449.9	8122.8	7843.7	7986.9	8462.4	8794.8	9617.3	11220.9
42.5°	11776.6	11861.4	11182.1	9328.5	8804.5	8751.1	9386.8	9554.2	9571.2	9709.4	11507.2
45°	11859.0	11820.2	10942.0	9428.0	9401.3	10243.2	10820.6	11041.4	10342.6	9879.3	11580.0
47.5°	11478.1	11529.0	10587.7	9340.6	10185.0	11373.8	12121.1	12531.1	10917.7	9731.3	11400.5
50°	11170.0	11104.5	10473.7	9277.6	10396.0	11907.6	13060.0	13152.1	11446.6	9913.2	11203.9
52.5°	11230.6	11271.9	10655.6	9445.0	10400.9	11939.1	13205.5	13142.4	11463.6	9872.0	11133.6
55°	11359.2	11177.2	10578.0	9076.2	9704.6	11058.4	11720.7	11623.7	10580.4	9432.9	10961.4
57.5°	9801.7	10083.1	9726.4	8103.3	7965.1	8331.4	8319.3	8617.7	7892.2	8117.9	9978.8
60°	7955.4	8003.9	8137.3	6931.5	5512.2	5386.0	5211.3	5022.2	5310.9	6941.2	9076.2
62.5°	6997.0	6938.8	7414.3	6305.6	3891.5	3258.3	3229.2	3345.7	4097.8	6621.0	8513.3
65°	5085.2	5158.0	5502.5	4893.5	2921.1	2486.8	2443.1	2787.6	3316.6	5306.0	6497.3
67.5°	3105.5	3246.2	3277.7	3018.2	1982.2	1574.5	1511.5	1824.5	2394.6	3433.0	3809.1
70°	1433.8	1603.7	1763.8	1647.4	1147.6	647.8	611.4	766.6	1208.2	1974.9	2021.0
72.5°	434.3	436.7	611.4	638.1	371.2	145.6	128.6	169.8	410.1	652.6	686.6
75°	31.6	34.0	82.5	94.6	70.4	36.4	38.8	46.1	87.3	145.6	109.2
77.5°	2.4	2.4	2.4	12.1	21.8	24.3	31.6	36.4	46.1	53.4	48.5
80°	2.4	0.0	2.4	9.7	17.0	24.3	29.1	34.0	36.4	41.3	36.4
82.5°	0.0	0.0	0.0	7.3	17.0	24.3	26.7	36.4	41.3	48.5	41.3
85°	0.0	0.0	0.0	7.3	17.0	26.7	24.3	12.1	0.0	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°	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6
2.5°	6613.7	6519.1	6303.2	6193.9	5936.8	5900.4	5648.1	5606.8	5522.0	5475.8	5364.2
5°	6050.8	5936.8	5585.0	5289.0	4944.5	4704.3	4519.9	4352.5	4255.4	4165.7	4207.0
7.5°	5592.3	5259.9	4869.2	4374.3	3976.5	3719.2	3437.8	3207.4	3071.5	2979.3	3001.2
10°	5111.9	4895.9	4352.5	3796.9	3316.6	3134.6	2913.8	2736.7	2545.1	2380.1	2302.4
12.5°	4961.5	4641.2	3959.5	3394.1	3030.3	2853.2	2600.8	2397.0	2152.0	1950.6	1880.3
15°	4988.2	4680.1	3852.8	3248.6	2819.2	2513.5	2212.7	1960.3	1691.0	1550.3	1477.5
17.5°	5422.4	4888.7	3923.1	3095.7	2525.6	2101.0	1729.9	1409.6	1208.2	1062.7	1031.1
20°	5956.2	5340.0	4073.5	2984.2	2285.4	1671.6	1264.0	987.4	820.0	795.8	788.5
22.5°	6737.4	6077.5	4396.2	2908.9	1991.9	1302.8	866.2	718.2	672.0	667.2	669.6
25°	7829.2	7001.9	4748.0	2845.9	1771.1	1004.4	708.5	608.9	594.4	587.1	599.2
27.5°	8302.3	7559.9	4934.8	2710.0	1569.7	905.0	698.7	604.1	562.9	550.8	558.0
30°	8887.0	7931.1	5228.3	2477.1	1273.7	744.8	652.6	657.5	638.1	577.5	558.0
32.5°	9663.3	8394.5	5376.3	2312.1	1137.9	616.2	477.9	439.1	490.1	499.8	516.8
35°	10160.7	8865.1	5451.6	2215.1	1067.5	526.5	405.2	368.8	356.7	359.1	368.8
37.5°	11085.1	9500.8	5546.1	2113.2	1014.1	458.5	366.4	332.4	315.4	315.4	325.1
40°	11638.2	10005.4	5674.8	2057.4	960.7	417.3	332.4	303.3	288.7	288.7	293.5
42.5°	11776.6	10255.3	5631.1	2038.0	900.1	407.6	303.3	281.4	264.4	262.0	259.6
45°	12024.0	10636.3	5638.4	2016.1	837.0	371.2	286.3	262.0	237.8	235.4	232.9
47.5°	12295.7	10910.4	5652.9	1931.2	776.3	310.5	298.4	242.7	213.5	208.7	208.7
50°	12062.8	11128.8	5779.1	1846.3	698.7	252.3	293.5	228.1	189.3	182.0	184.4
52.5°	12091.9	11385.9	6045.9	1727.5	601.7	201.4	237.8	216.0	172.3	160.1	162.6
55°	11626.1	11114.2	6082.3	1601.2	470.7	155.3	182.0	189.3	145.6	140.7	140.7
57.5°	10007.8	9411.0	5366.6	1298.0	310.5	128.6	131.0	165.0	126.1	121.3	123.7
60°	8564.3	7555.0	4318.6	856.4	194.1	101.9	94.6	167.4	111.6	109.2	116.4
62.5°	7807.4	6208.5	3275.3	531.3	133.4	77.7	65.5	135.9	97.0	97.0	106.7
65°	5640.8	4170.6	1904.5	279.0	94.6	60.7	48.5	77.7	80.1	82.5	87.3
67.5°	3493.7	2105.9	803.0	135.9	63.1	41.3	31.6	48.5	53.4	53.4	58.3
70°	1725.0	839.5	266.8	77.7	48.5	34.0	21.8	26.7	26.7	24.3	26.7
72.5°	533.8	252.3	68.0	48.5	34.0	21.8	12.1	9.7	4.9	0.0	2.4
75°	60.7	48.5	43.7	34.0	21.8	9.7	2.4	0.0	0.0	0.0	0.0
77.5°	36.4	41.3	41.3	34.0	21.8	7.3	0.0	0.0	0.0	0.0	0.0
80°	29.1	31.6	34.0	31.6	19.4	9.7	0.0	0.0	0.0	0.0	0.0
82.5°	36.4	41.3	46.1	41.3	26.7	12.1	4.9	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	7.3	2.4	0.0	0.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6
2.5°	5318.1	5264.7	5340.0	5228.3	5225.9	5228.3	5196.8	5167.7	5213.8	5337.6	5349.7
5°	4058.9	4173.0	4209.3	4328.3	4262.7	4165.7	4185.1	4119.6	4279.7	4350.1	4294.3
7.5°	2955.0	2947.8	3192.8	3207.4	3238.9	3241.3	3236.5	3107.9	2976.9	3006.0	3093.3
10°	2292.7	2169.0	2287.8	2275.7	2353.4	2331.5	2363.1	2224.8	2270.9	2270.9	2326.7
12.5°	1868.2	1737.1	1715.3	1683.8	1715.3	1727.5	1739.5	1712.9	1790.5	1826.9	1865.7
15°	1426.5	1353.8	1334.4	1273.7	1283.4	1317.4	1346.5	1358.7	1334.4	1390.2	1395.1
17.5°	1036.0	1033.6	1045.7	1043.3	1033.6	1026.3	1023.9	992.3	982.6	987.4	1006.9
20°	786.1	805.5	846.7	888.0	909.8	883.1	846.7	793.3	771.5	776.3	778.8
22.5°	672.0	701.2	756.9	803.0	824.9	776.3	710.9	664.8	655.1	652.6	650.2
25°	608.9	642.9	684.2	698.7	696.3	667.2	618.6	599.2	594.4	589.5	567.8
27.5°	575.0	587.1	594.4	611.4	618.6	599.2	587.1	558.0	553.2	553.2	538.6
30°	555.6	548.3	558.0	545.9	555.6	541.1	543.5	543.5	531.3	536.2	536.2
32.5°	516.8	519.2	519.2	494.9	502.2	485.2	502.2	516.8	519.2	521.6	541.1
35°	378.5	422.1	444.0	444.0	451.2	439.1	436.7	419.7	397.9	376.1	366.4
37.5°	332.4	349.4	378.5	395.5	407.6	397.9	376.1	349.4	337.2	327.5	317.8
40°	296.0	310.5	330.0	349.4	373.6	361.5	327.5	315.4	300.8	300.8	291.1
42.5°	266.8	274.1	286.3	315.4	342.1	317.8	293.5	283.8	276.6	274.1	271.7
45°	240.2	242.7	254.7	279.0	310.5	286.3	262.0	249.9	252.3	254.7	252.3
47.5°	216.0	220.8	228.1	257.1	276.6	264.4	237.8	230.5	230.5	230.5	232.9
50°	186.8	199.0	213.5	237.8	252.3	245.1	223.2	213.5	208.7	208.7	211.1
52.5°	167.4	177.1	196.5	225.7	245.1	232.9	211.1	196.5	186.8	184.4	189.3
55°	145.6	162.6	194.1	216.0	242.7	230.5	206.2	189.3	172.3	169.8	169.8
57.5°	131.0	157.7	186.8	213.5	235.4	225.7	206.2	184.4	162.6	160.1	160.1
60°	123.7	152.8	182.0	206.2	235.4	220.8	203.8	179.5	155.3	155.3	152.8
62.5°	116.4	143.1	172.3	196.5	225.7	213.5	196.5	172.3	148.0	148.0	143.1
65°	97.0	123.7	143.1	165.0	196.5	184.4	167.4	150.4	131.0	126.1	128.6
67.5°	68.0	84.9	104.3	126.1	145.6	140.7	133.4	121.3	104.3	101.9	99.4
70°	34.0	46.1	63.1	84.9	101.9	97.0	92.2	82.5	72.8	70.4	70.4
72.5°	4.9	14.6	26.7	38.8	53.4	55.8	53.4	51.0	48.5	46.1	48.5
75°	0.0	0.0	0.0	9.7	21.8	26.7	31.6	36.4	36.4	31.6	38.8
77.5°	0.0	0.0	0.0	0.0	2.4	12.1	24.3	31.6	38.8	34.0	46.1
80°	0.0	0.0	0.0	0.0	2.4	14.6	24.3	34.0	38.8	34.0	48.5
82.5°	0.0	0.0	0.0	0.0	2.4	17.0	24.3	31.6	36.4	34.0	43.7
85°	0.0	0.0	0.0	0.0	7.3	14.6	9.7	4.9	2.4	2.4	7.3
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6	6254.6
2.5°	5417.6	5589.8	5774.2	5844.6	6062.9	6227.9	6339.6	6579.7	6616.1	6618.5
5°	4352.5	4439.8	4755.2	4903.2	5228.3	5480.7	5750.0	6138.2	6397.7	6417.2
7.5°	3093.3	3336.0	3469.4	3855.2	4255.4	4650.9	5051.2	5502.5	5803.4	5810.6
10°	2489.2	2646.9	2884.7	3173.4	3510.7	3913.4	4447.1	4971.2	5276.9	5352.1
12.5°	2004.0	2280.6	2552.3	2850.7	3107.9	3411.1	3986.2	4684.9	4937.2	5087.6
15°	1543.1	1795.3	2115.6	2465.0	2756.1	3161.3	3816.3	4614.5	5039.1	5090.0
17.5°	1137.9	1363.5	1659.5	1989.4	2426.1	3001.2	3845.5	4971.2	5371.5	5456.4
20°	817.6	948.6	1181.5	1564.9	2120.4	2814.3	3874.6	5332.7	5941.6	6087.2
22.5°	647.8	701.2	854.0	1193.7	1778.3	2617.8	4080.8	6024.1	6725.3	6936.4
25°	562.9	591.9	664.8	941.3	1562.5	2598.4	4410.7	6853.8	7768.5	7921.4
27.5°	543.5	548.3	611.4	863.7	1446.0	2469.8	4536.9	7443.4	8418.7	8574.0
30°	572.6	650.2	655.1	730.3	1230.1	2215.1	4602.4	8013.5	8969.5	9083.5
32.5°	494.9	470.7	487.7	565.3	1082.0	2067.0	4726.1	8510.9	9597.9	9677.9
35°	344.5	361.5	400.3	490.1	946.2	1911.8	4757.7	9059.2	10194.7	10277.2
37.5°	317.8	327.5	359.1	417.3	832.2	1824.5	4714.0	9459.6	10813.3	10927.4
40°	296.0	308.1	325.1	378.5	747.2	1727.5	4653.4	9821.0	11191.8	11473.2
42.5°	279.0	288.7	303.3	361.5	674.5	1630.4	4568.4	10330.5	11531.5	11776.6
45°	259.6	274.1	291.1	351.8	633.2	1564.9	4505.4	10299.0	11728.0	11859.0
47.5°	240.2	264.4	283.8	327.5	621.1	1533.3	4532.1	10180.1	11567.9	11478.1
50°	220.8	252.3	286.3	271.7	591.9	1470.2	4563.6	10342.6	11187.0	11170.0
52.5°	203.8	240.2	266.8	223.2	526.5	1409.6	4869.2	10556.2	11456.3	11230.6
55°	179.5	216.0	213.5	179.5	427.0	1363.5	5109.5	10561.0	11274.3	11359.2
57.5°	162.6	191.7	167.4	150.4	315.4	1140.3	4718.8	8855.4	9651.3	9801.7
60°	150.4	186.8	126.1	118.9	206.2	822.5	4119.6	6858.7	7671.5	7955.4
62.5°	138.3	177.1	99.4	97.0	143.1	584.7	3386.9	5740.3	6611.3	6997.0
65°	121.3	126.1	80.1	75.2	101.9	315.4	2062.3	3952.2	4942.1	5085.2
67.5°	99.4	97.0	65.5	60.7	68.0	152.8	909.8	1979.7	2865.3	3105.5
70°	80.1	80.1	55.8	48.5	48.5	70.4	237.8	788.5	1295.6	1433.8
72.5°	58.3	60.7	43.7	38.8	36.4	34.0	38.8	157.7	339.7	434.3
75°	51.0	53.4	43.7	34.0	26.7	21.8	17.0	14.6	19.4	31.6
77.5°	55.8	55.8	46.1	31.6	24.3	17.0	9.7	4.9	4.9	2.4
80°	70.4	72.8	60.7	41.3	29.1	19.4	12.1	4.9	2.4	2.4
82.5°	75.2	82.5	68.0	51.0	36.4	21.8	12.1	2.4	0.0	0.0
85°	19.4	31.6	53.4	46.1	36.4	21.8	12.1	2.4	0.0	0.0
87.5°	0.0	2.4	7.3	7.3	9.7	9.7	7.3	2.4	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)