

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: P383368

Luminaire Tested: **GAN-SA6D-735-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32045.2 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

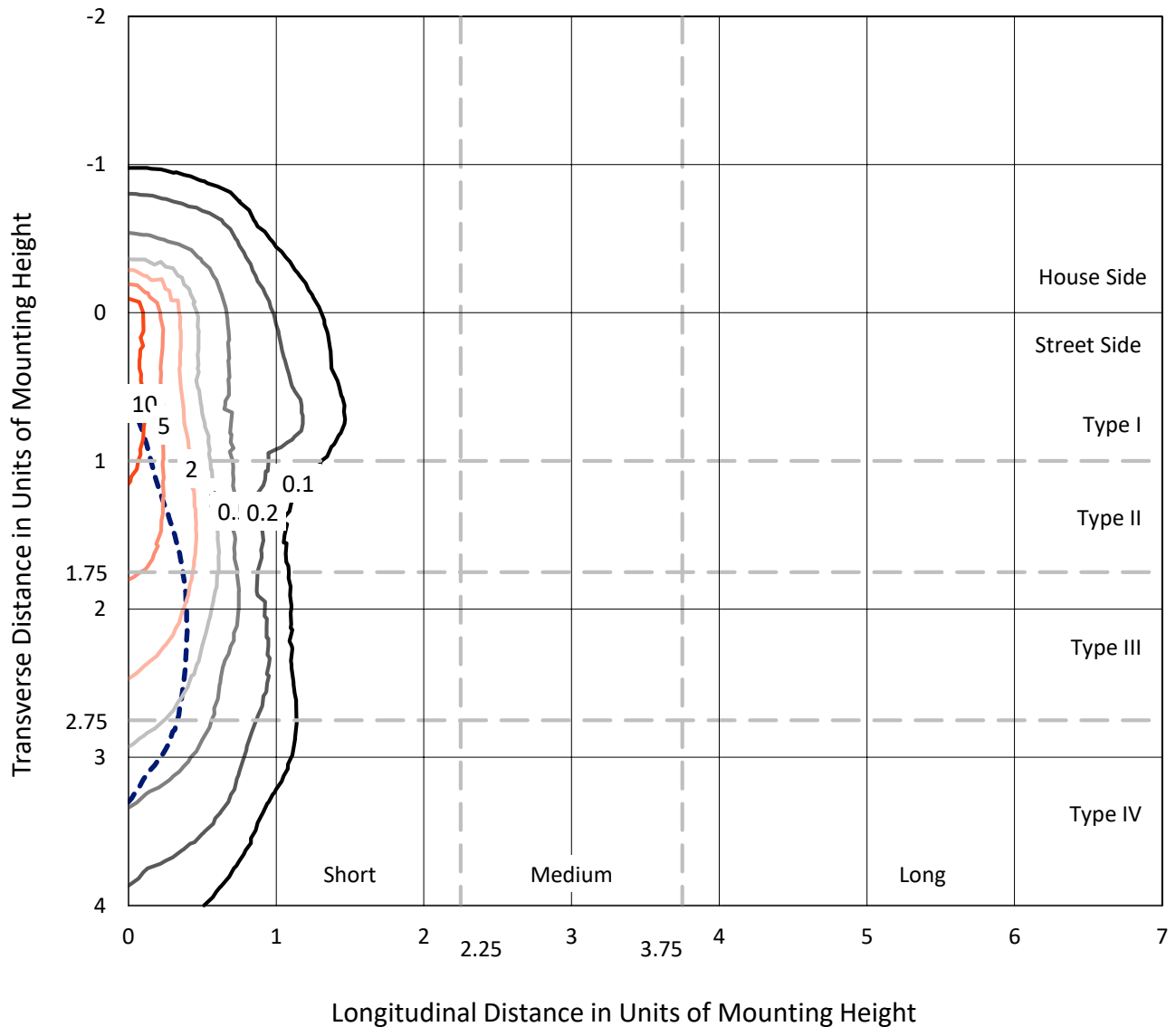
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

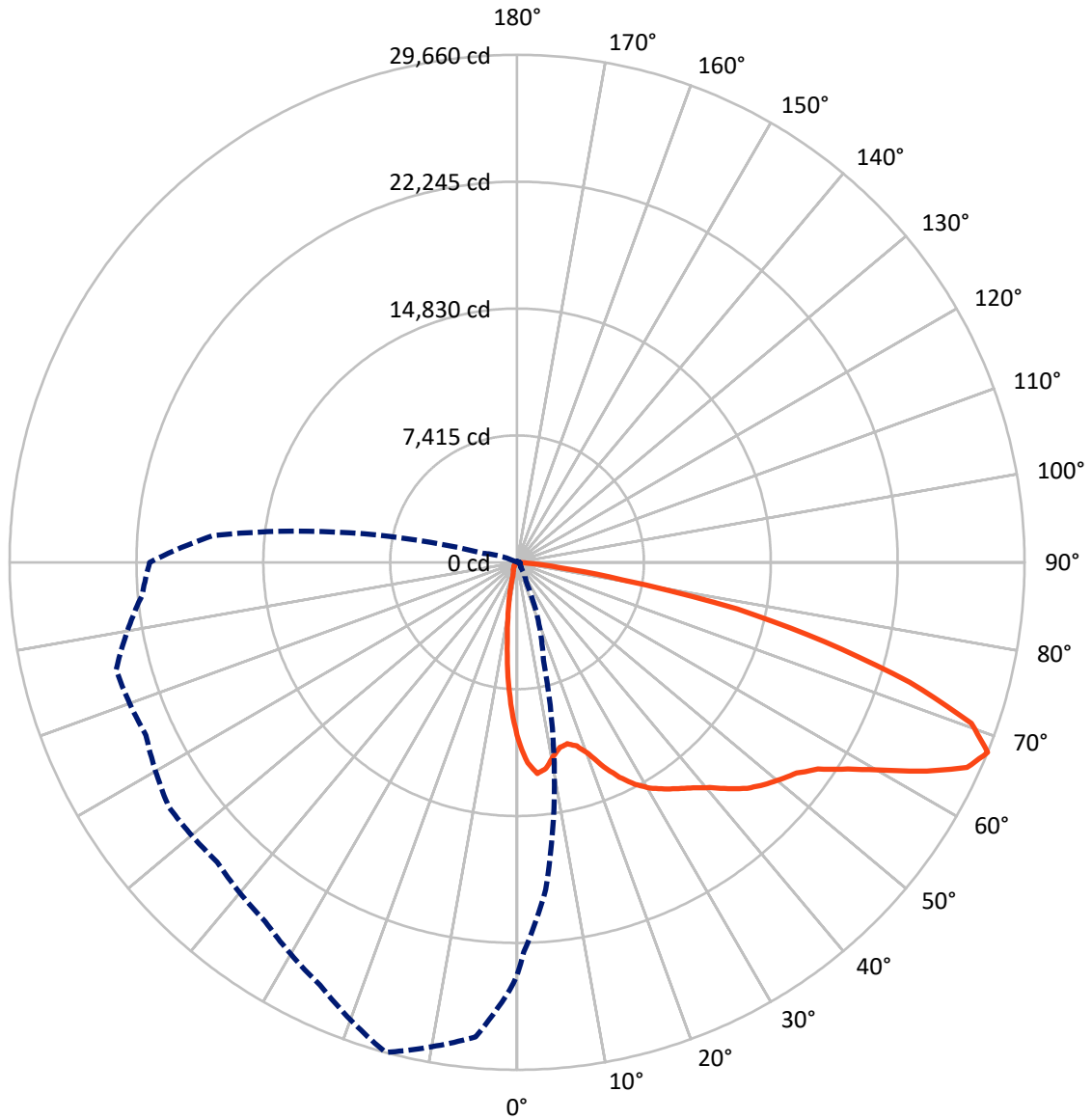
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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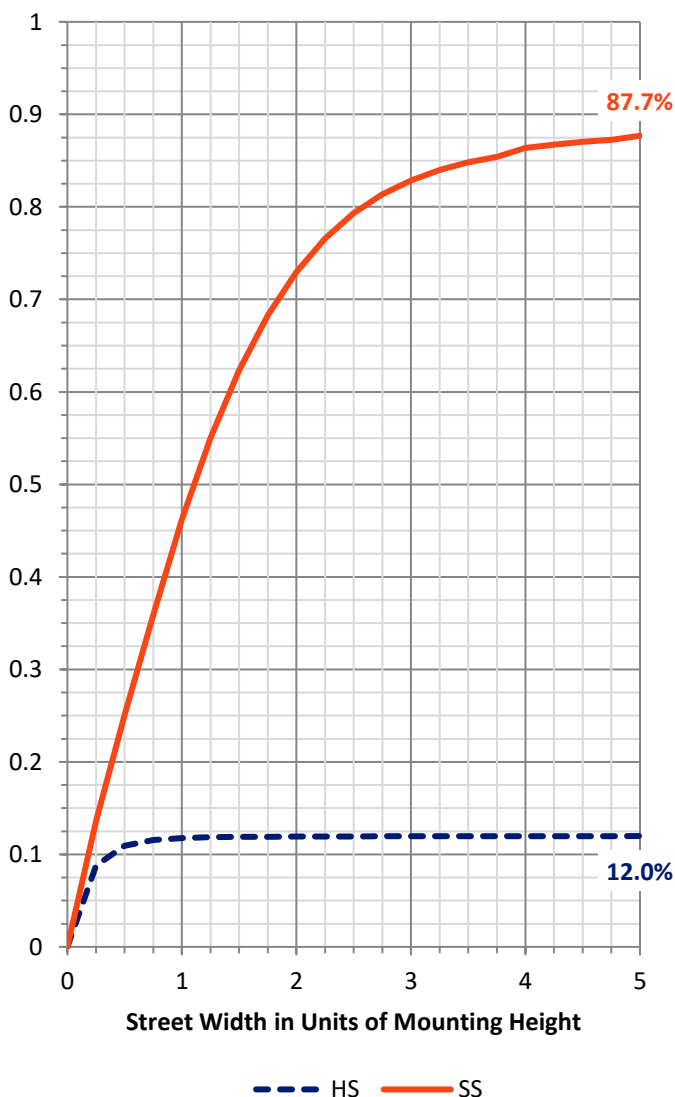
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3878.5	0.0	3878.5
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	28166.7	0.0	28166.7
	% Fixture	87.9	0.0	87.9
Total	Lumens	32045.2	0.0	32045.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.2	2.5
10°-20°	1594.7	5.0
20°-30°	2264.5	7.1
30°-40°	3344.8	10.4
40°-50°	4823.8	15.1
50°-60°	6771.7	21.1
60°-70°	7893.8	24.6
70°-80°	4035.5	12.6
80°-90°	515.4	1.6
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°	32045.2	100.0
0°-180°	32045.2	100.0

Coefficient of Utilization



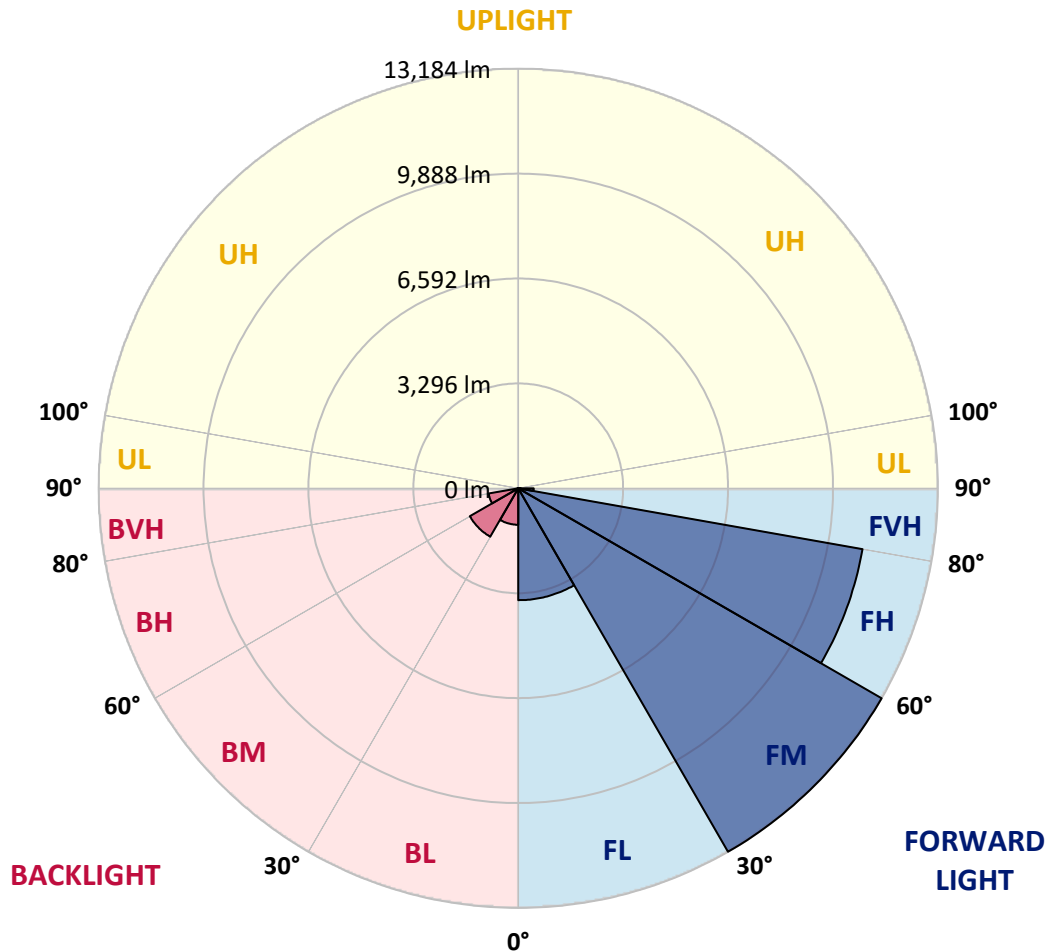
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3514.7	11.0			
FM (30°-60°)	13183.9	41.1			
FH (60°-80°)	10984.0	34.3			G4/12000
FVH (80°-90°)	484.1	1.5			G3/500
BL (0°-30°)	1145.6	3.6	B3/2500		
BM (30°-60°)	1756.3	5.5	B2/2500		
BH (60°-80°)	945.3	2.9	B2/1000		G2/1000
BVH (80°-90°)	31.3	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-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6
2.5°	11430.0	11342.0	11244.8	10927.5	10633.0	10295.9	10021.2	9829.9	9590.0	9278.9	9199.9
5°	11348.0	11253.9	10948.8	10242.8	9624.9	9023.8	8443.8	8103.8	7681.7	7253.7	7147.4
7.5°	10523.7	10425.0	9984.8	9017.7	8185.8	7317.4	6564.4	6098.4	5621.6	5230.0	5022.0
10°	9665.9	9558.1	9063.2	7889.7	6865.0	6080.1	5527.5	5082.7	4631.8	4212.8	3878.9
12.5°	9075.4	8934.2	8396.8	7066.9	6174.2	5641.4	5125.2	4592.3	3982.1	3532.7	3165.3
15°	8827.9	8667.0	8099.2	6749.6	5929.9	5304.3	4631.8	3977.5	3262.5	2747.8	2410.8
17.5°	9019.2	8809.7	8201.0	6728.4	5623.2	4771.5	3921.3	3153.2	2377.4	1856.7	1616.8
20°	9669.0	9394.2	8621.5	6722.3	5251.2	4138.4	3060.6	2192.2	1566.7	1260.0	1134.1
22.5°	10692.2	10329.4	9225.7	6770.9	4867.1	3473.5	2210.4	1489.3	1176.5	1017.2	942.7
25°	11928.0	11507.4	10095.6	6942.5	4530.1	2826.8	1606.2	1176.5	992.8	875.9	813.7
27.5°	13103.0	12761.5	11194.7	7189.9	4269.0	2304.6	1304.1	997.4	848.6	771.2	721.1
30°	14276.5	13846.9	12322.7	7484.4	3954.7	1950.8	1146.2	909.4	760.6	678.6	646.7
32.5°	15129.7	14772.9	13206.3	7696.9	3619.2	1720.0	1024.7	832.0	710.5	627.0	579.9
35°	16133.2	15729.4	13963.8	7744.0	3403.7	1574.3	921.5	748.4	616.4	542.0	491.9
37.5°	17217.1	16714.7	14838.2	7640.7	3235.2	1503.0	844.1	710.5	575.4	499.5	446.3
40°	18416.4	17848.6	15677.8	7492.0	3069.6	1478.6	784.8	681.6	543.5	466.1	411.4
42.5°	19679.5	19010.1	16404.9	7335.7	2964.9	1395.2	778.8	652.8	519.2	435.7	381.1
45°	20740.7	20062.1	17151.8	7284.0	2890.5	1304.1	804.6	633.1	502.5	411.4	358.3
47.5°	21586.3	20944.2	17917.0	7399.4	2848.0	1220.6	733.2	658.9	493.3	390.1	338.5
50°	22595.9	21868.7	18994.9	7744.0	2785.8	1137.0	663.4	754.6	493.3	376.5	321.8
52.5°	23862.0	23142.4	20197.3	8278.4	2661.2	1021.7	596.7	756.0	497.9	358.3	300.6
55°	25454.5	24932.3	21914.2	8864.3	2462.5	851.7	516.2	649.8	479.7	324.9	280.9
57.5°	26981.7	26555.2	23479.5	9265.2	2196.8	664.9	449.4	523.7	438.8	285.4	250.5
59°	27399.2	26933.2	24053.3	9283.3	1997.9	579.9	415.9	432.7	429.6	267.2	232.2
60°	27399.2	26904.3	24218.7	9186.2	1853.6	532.8	394.7	385.6	447.9	255.1	221.6
62.5°	26902.8	26207.5	23681.3	8528.9	1512.1	453.9	344.6	318.8	402.3	229.3	195.8
65°	25870.5	24857.9	21850.5	7340.1	1348.1	415.9	297.5	261.1	279.4	201.9	171.6
67.5°	24149.0	22776.5	19210.5	5929.9	1282.8	405.3	256.5	221.6	211.0	173.1	150.3
70°	21117.3	19594.5	16005.7	4662.2	1226.7	400.8	215.6	186.8	170.0	145.8	127.5
72.5°	15369.6	13781.6	11363.2	3645.1	1193.2	409.9	173.1	156.4	139.6	113.8	98.7
75°	8791.5	7751.6	6386.8	2407.8	1017.2	391.7	133.6	130.6	100.2	82.0	68.3
77.5°	4542.2	4404.1	3827.2	924.6	487.3	171.6	88.0	75.9	59.2	50.1	41.0
80°	1959.9	1938.6	1677.5	267.2	129.0	95.7	50.1	31.9	27.3	21.2	16.7
82.5°	677.0	677.0	596.7	89.6	57.7	47.0	6.1	0.0	0.0	0.0	0.0
85°	136.7	153.3	107.8	0.0	19.7	0.0	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6
2.5°	9104.2	8920.5	8908.4	8793.1	8648.8	8583.6	8545.6	8612.3	8694.3	8703.4	8826.4
5°	7066.9	6874.1	6954.6	6749.6	6790.6	6749.6	6682.8	6694.9	6731.4	6617.5	6758.8
7.5°	4962.8	4817.0	4909.6	4854.9	4927.9	4956.7	4915.7	4854.9	4675.8	4654.6	4777.5
10°	3740.7	3575.2	3476.5	3373.3	3396.0	3443.1	3427.9	3383.9	3270.0	3276.2	3394.6
12.5°	3005.9	2820.7	2624.8	2371.3	2309.1	2344.0	2309.1	2283.3	2174.0	2183.1	2287.8
15°	2280.2	2128.4	1923.5	1720.0	1609.2	1619.9	1522.7	1454.3	1386.0	1304.1	1367.8
17.5°	1539.4	1446.8	1386.0	1325.3	1193.2	1162.9	1039.9	907.9	856.2	818.3	845.6
20°	1090.0	1039.9	1015.7	1012.6	936.7	898.8	778.8	696.8	671.0	663.4	680.1
22.5°	910.9	874.4	839.5	819.8	781.8	737.8	646.7	605.7	587.5	578.4	590.5
25°	792.5	765.2	728.7	695.3	680.1	633.1	567.8	537.4	525.3	516.2	522.2
27.5°	704.4	680.1	637.6	616.4	604.2	563.2	507.0	482.7	472.1	469.1	467.5
30°	634.6	611.8	572.3	548.0	526.8	490.4	456.9	432.7	422.1	419.0	415.9
32.5°	564.7	546.5	520.7	496.4	473.7	440.2	411.4	391.7	374.9	372.0	370.4
35°	476.7	458.5	444.8	443.3	422.1	390.1	368.9	343.1	329.4	324.9	326.4
37.5°	423.6	399.3	368.9	379.5	373.5	350.7	321.8	296.0	282.4	279.4	279.4
40°	390.1	364.3	329.4	311.2	329.4	324.9	279.4	253.6	239.9	238.4	235.3
42.5°	358.3	332.5	293.0	262.6	271.7	285.4	241.4	217.1	203.4	200.4	195.8
45°	335.5	308.2	264.2	229.3	211.0	239.9	206.4	176.1	168.5	162.5	159.4
47.5°	314.2	288.4	238.4	198.9	168.5	173.1	165.4	144.2	135.1	129.0	127.5
50°	296.0	268.8	215.6	170.0	139.6	127.5	133.6	113.8	106.3	100.2	97.2
52.5°	274.8	249.0	191.2	147.3	116.9	100.2	101.7	89.6	82.0	77.4	75.9
55°	258.0	232.2	171.6	129.0	103.2	82.0	72.8	69.9	65.3	62.2	60.7
57.5°	235.3	211.0	151.8	109.3	88.0	66.8	56.2	56.2	54.7	51.6	50.1
59°	221.6	200.4	139.6	98.7	80.5	57.7	50.1	51.6	50.1	47.0	45.6
60°	211.0	191.2	130.6	91.1	75.9	53.1	45.6	48.6	47.0	44.1	42.5
62.5°	186.8	173.1	112.3	75.9	66.8	42.5	37.9	41.0	41.0	39.5	37.9
65°	164.0	148.8	95.7	63.7	62.2	36.4	30.4	36.4	37.9	34.9	31.9
67.5°	142.7	127.5	83.5	51.6	57.7	28.9	22.7	30.4	41.0	31.9	28.9
70°	121.5	106.3	65.3	41.0	60.7	19.7	18.3	27.3	48.6	34.9	27.3
72.5°	94.1	82.0	45.6	30.4	65.3	13.7	13.7	22.7	54.7	37.9	25.8
75°	65.3	53.1	27.3	18.3	53.1	9.1	9.1	21.2	51.6	34.9	24.3
77.5°	37.9	28.9	9.1	1.5	27.3	0.0	1.5	15.2	36.4	21.2	10.6
80°	13.7	6.1	0.0	0.0	16.7	0.0	0.0	0.0	3.1	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6
2.5°	8858.3	9063.2	9246.9	9524.8	9854.2	10233.7	10560.1	10910.8	11240.2	11376.9	11471.0
5°	6787.5	7041.1	7337.1	7745.5	8289.0	8958.5	9585.5	10294.4	11056.5	11437.6	11795.9
7.5°	4798.8	5056.9	5424.3	5858.5	6515.8	7312.8	8132.6	9111.8	10144.2	10746.9	11340.5
10°	3450.7	3768.0	4111.1	4704.7	5372.7	6128.7	6972.8	8065.8	9216.5	9884.6	10599.6
12.5°	2348.5	2709.9	3229.0	3894.1	4678.9	5419.7	6153.0	7195.9	8531.9	9193.8	9960.5
15°	1408.9	1609.2	2158.8	2928.5	3891.0	4814.0	5617.0	6663.1	8087.0	8897.8	9694.8
17.5°	868.4	961.0	1260.0	1891.6	2902.7	4070.1	5170.7	6482.5	8150.9	9137.6	9990.8
20°	692.2	728.7	824.3	1117.4	1923.5	3250.4	4668.3	6446.0	8671.6	9886.0	10801.5
22.5°	601.2	636.1	699.9	812.2	1210.0	2433.6	4191.6	6479.4	9418.5	11008.0	12076.8
25°	529.9	560.2	620.9	713.6	886.6	1714.0	3681.5	6628.1	10391.6	12400.1	13535.7
27.5°	473.7	499.5	555.7	640.6	760.6	1196.3	3103.1	6808.9	11545.4	13824.1	14944.5
30°	422.1	444.8	494.9	573.8	660.4	920.0	2468.5	6931.8	12700.7	14944.5	15951.0
32.5°	378.0	394.7	440.2	507.0	573.8	733.2	1876.4	6912.1	13558.4	15876.6	16675.2
35°	332.5	349.1	388.6	446.3	499.5	605.7	1475.7	6543.2	14305.4	16843.7	17504.1
37.5°	282.4	303.6	341.6	393.2	429.6	532.8	1193.2	6098.4	15062.9	17948.9	18428.6
40°	239.9	261.1	294.6	350.7	373.5	505.6	916.9	5556.4	15914.6	19184.7	19442.7
42.5°	198.9	218.6	253.6	302.1	352.2	435.7	678.6	4936.9	16732.8	20241.2	20367.3
45°	160.9	180.6	217.1	265.7	376.5	361.3	525.3	4273.6	17393.2	21120.2	21161.2
47.5°	127.5	145.8	183.7	250.5	350.7	288.4	374.9	3752.8	17947.4	21806.4	21698.6
50°	98.7	113.8	153.3	286.9	306.7	238.4	283.9	3579.8	18443.8	22231.6	21952.2
52.5°	77.4	91.1	126.0	268.8	238.4	197.4	238.4	3742.2	19123.9	22583.7	22094.9
55°	62.2	75.9	98.7	153.3	162.5	167.0	203.4	3894.1	20297.4	23409.6	22937.5
57.5°	51.6	65.3	80.5	107.8	123.0	141.2	180.6	3910.7	21680.5	24782.0	24335.7
59°	47.0	59.2	72.8	95.7	107.8	129.0	170.0	3819.6	22167.8	25281.5	25058.3
60°	44.1	56.2	68.3	88.0	100.2	121.5	164.0	3733.1	22189.0	25263.2	25366.5
62.5°	37.9	50.1	60.7	74.4	85.1	103.2	147.3	3412.7	21290.2	24435.9	25181.2
65°	33.4	44.1	54.7	63.7	72.8	92.6	133.6	2828.3	19755.4	23101.4	23913.6
67.5°	30.4	37.9	50.1	56.2	65.3	82.0	118.4	2016.1	17838.0	21469.5	21996.3
70°	27.3	36.4	45.6	51.6	59.2	71.4	101.7	1158.4	15062.9	19079.9	19454.9
72.5°	25.8	34.9	41.0	48.6	53.1	63.7	92.6	545.0	11029.2	15284.6	16263.7
75°	22.7	31.9	37.9	45.6	50.1	57.7	78.9	261.1	7335.7	11061.1	12173.9
77.5°	13.7	25.8	34.9	41.0	44.1	50.1	65.3	150.3	4682.0	7655.9	9017.7
80°	0.0	9.1	25.8	34.9	37.9	42.5	50.1	118.4	2504.9	4373.7	5249.7
82.5°	0.0	0.0	18.3	27.3	25.8	28.9	37.9	74.4	1129.5	2858.6	3221.5
85°	0.0	0.0	6.1	21.2	18.3	13.7	25.8	25.8	247.4	1446.8	1805.1
87.5°	0.0	0.0	0.0	1.5	9.1	6.1	10.6	3.1	1.5	107.8	437.3
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°	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6	10438.6
2.5°	11800.5	11912.8	12102.6	12192.1	12148.1	11961.4	11738.2	11510.5	11376.9	11430.0
5°	12526.1	13104.5	13438.5	13549.4	13364.1	12945.2	12397.0	11674.4	11417.9	11348.0
7.5°	12526.1	13614.6	14303.8	14425.3	14012.3	13191.1	12163.3	11035.3	10660.4	10523.7
10°	12085.8	13567.5	14528.5	14721.3	14144.4	12916.3	11539.4	10252.0	9807.1	9665.9
12.5°	11589.4	13184.9	14197.5	14463.2	13989.6	12643.0	11106.7	9722.1	9198.4	9075.4
15°	11284.3	12714.3	13552.3	13745.2	13544.8	12483.6	11003.4	9562.7	8946.4	8827.9
17.5°	11393.6	12350.0	12652.1	12764.4	12899.6	12427.4	11284.3	9911.9	9131.6	9019.2
20°	11805.0	11965.9	11809.5	11950.7	12315.1	12482.1	11953.8	10755.9	9819.3	9669.0
22.5°	12503.3	11767.0	11328.3	11384.4	11827.8	12662.7	12977.0	11961.4	10880.5	10692.2
25°	13317.0	11928.0	11061.1	11011.0	11466.4	12901.1	13912.2	13273.1	12135.9	11928.0
27.5°	14340.2	12289.3	11006.4	10956.4	11340.5	13124.3	14689.5	14569.5	13458.3	13103.0
30°	15129.7	12644.5	11168.9	11053.6	11466.4	13279.1	15313.4	15670.1	14511.8	14276.5
32.5°	15695.9	13063.6	11433.1	11266.0	11821.7	13546.3	15794.7	16678.2	15486.4	15129.7
35°	16127.1	13519.0	11859.6	11584.9	12310.5	13951.6	16245.5	17751.5	16523.3	16133.2
37.5°	16531.0	14158.1	12526.1	12198.2	13077.2	14604.4	16722.2	18969.1	17683.2	17217.1
40°	17094.2	14882.2	13553.9	13262.4	14366.0	15494.1	17317.4	20238.2	19002.5	18416.4
42.5°	17657.4	15659.5	14605.9	14684.9	15973.8	16574.9	18085.5	21580.2	20305.0	19679.5
45°	18172.1	16461.1	16104.3	16468.7	17466.1	17760.6	18849.1	22356.0	21344.9	20740.7
47.5°	18630.5	17463.1	17593.7	18563.7	19163.4	18833.9	19420.0	23025.5	22119.2	21586.3
50°	19163.4	18759.6	19556.5	20929.0	21117.3	19805.5	19939.1	23818.0	23024.0	22595.9
52.5°	19746.4	20125.9	21730.6	22940.5	22879.7	20860.6	20461.3	24706.0	24264.3	23862.0
55°	20408.3	21229.6	23644.9	24822.9	24771.3	22038.7	21326.8	25803.7	25818.9	25454.5
57.5°	21390.5	22179.9	24944.4	26345.7	26432.2	23399.0	22793.2	27033.4	27224.7	26981.7
59°	22094.9	22796.3	25459.1	26981.7	27333.9	24451.1	23865.0	27746.9	27620.9	27399.2
60°	22617.1	23188.0	25714.2	27314.3	27857.7	25164.5	24656.0	28165.9	27668.0	27399.2
62.5°	23909.1	24041.1	26174.2	27690.7	28460.5	26749.5	26881.6	28879.5	27341.6	26902.8
65°	24511.7	24580.1	26168.0	27016.7	27877.5	27983.7	28900.7	28900.7	26544.5	25870.5
67.5°	24259.7	23930.3	24870.1	24782.0	25641.2	27250.5	29659.7	27841.1	25020.3	24149.0
70°	22210.2	20942.6	20525.2	20563.1	21220.5	23702.6	28156.8	24722.8	22135.9	21117.3
72.5°	18480.2	15439.4	14408.6	15585.2	15756.7	18216.0	23995.6	18618.4	16324.4	15369.6
75°	14864.1	10883.5	9207.5	10449.3	10740.7	13330.7	18562.2	11595.5	9535.4	8791.5
77.5°	10678.5	7812.3	6606.9	6520.4	6896.9	8454.4	13171.3	5835.7	4867.1	4542.2
80°	6066.4	5142.0	5536.7	5223.9	5413.7	5286.2	6257.8	2559.6	2096.5	1959.9
82.5°	3661.7	3039.3	3291.3	2740.2	3467.4	3019.5	2410.8	819.8	712.0	677.0
85°	2382.0	1660.9	865.3	579.9	1194.8	1929.5	538.9	223.2	171.6	136.7
87.5°	821.3	423.6	42.5	18.3	127.5	359.8	19.7	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)