

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: P454844

Luminaire Tested: **GLAN-SA6A-727-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-727-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA 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: 16287 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

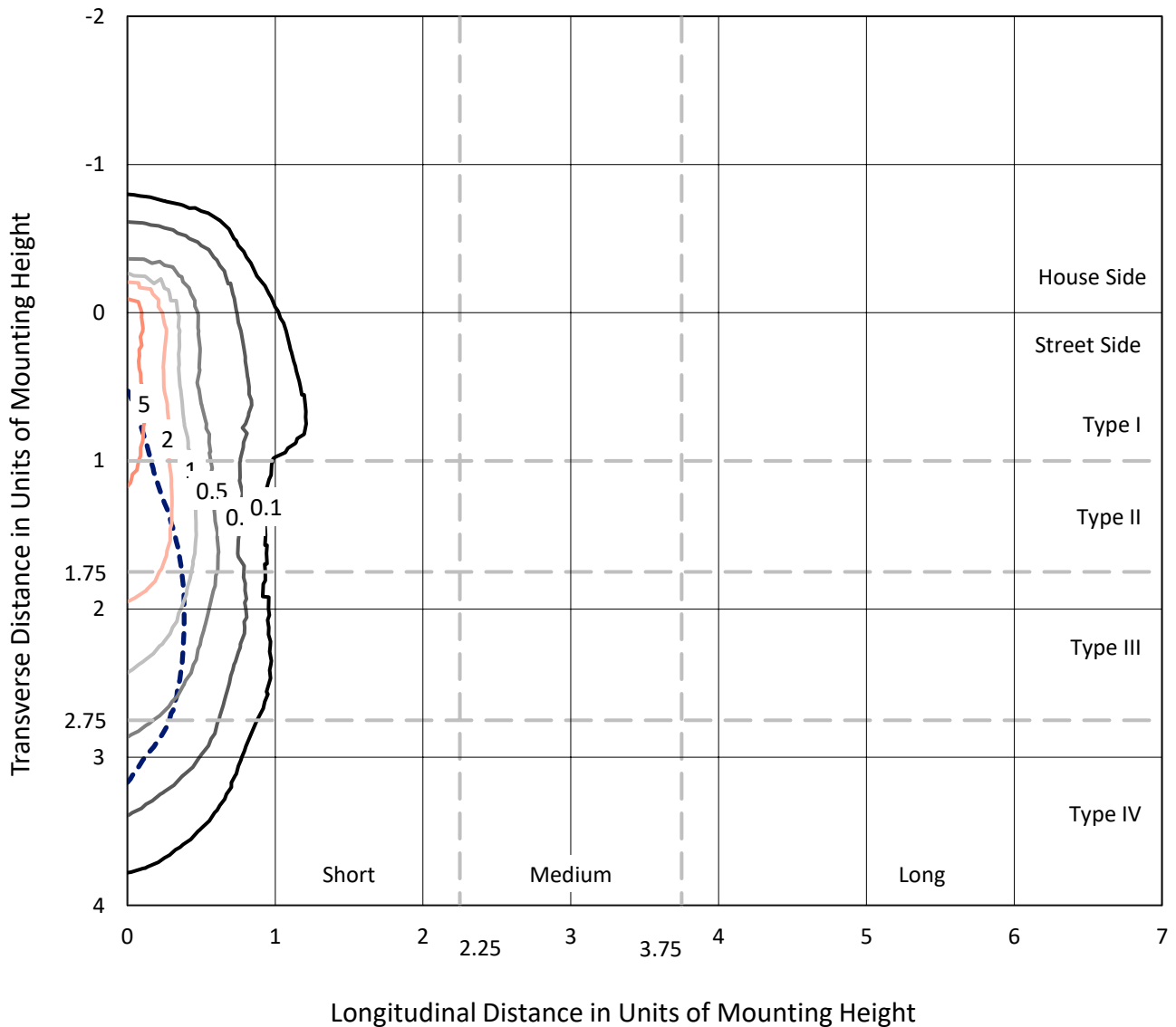
Input Watts (W): 182
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

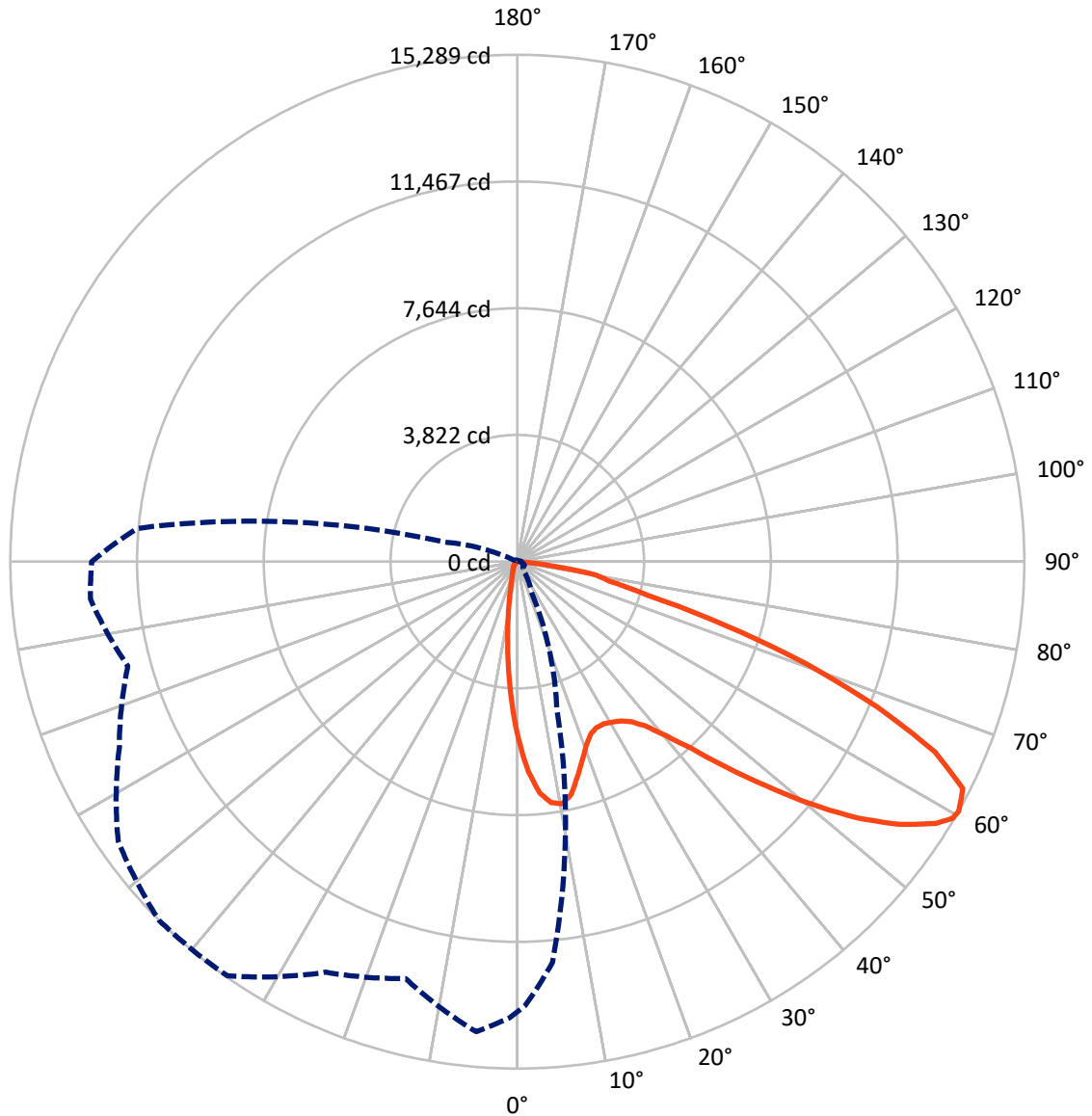
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2008.8	0.0	2008.8
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	14278.2	0.0	14278.2
	% Fixture	87.7	0.0	87.7
Total	Lumens	16287.0	0.0	16287.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.4	2.5
10°-20°	795.1	4.9
20°-30°	1165.9	7.2
30°-40°	1733.9	10.6
40°-50°	2523.4	15.5
50°-60°	3638.9	22.3
60°-70°	4002.4	24.6
70°-80°	1792.7	11.0
80°-90°	234.3	1.4
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°	16287.0	100.0
0°-180°	16287.0	100.0

Coefficient of Utilization



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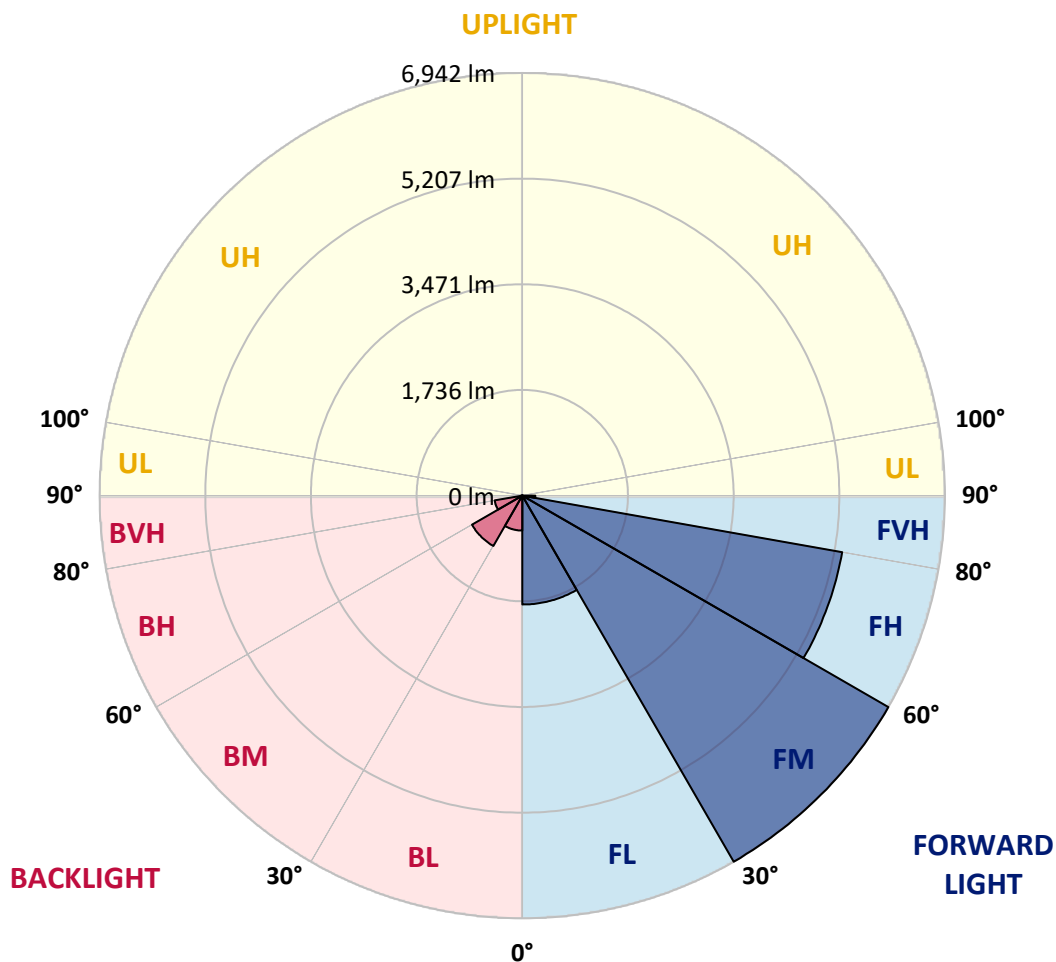
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1787.4	11.0			
FM	(30°-60°)	6942.0	42.6			
FH	(60°-80°)	5334.5	32.8			G3/7500
FVH	(80°-90°)	214.2	1.3			G2/225
BL	(0°-30°)	574.0	3.5	B2/1000		
BM	(30°-60°)	954.1	5.9	B1/1000		
BH	(60°-80°)	460.7	2.8	B1/500		G1/500
BVH	(80°-90°)	20.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1
2.5°	5917.9	5891.9	5832.5	5651.7	5494.5	5289.0	5081.0	4917.6	4817.3	4632.8	4548.6
5°	5733.5	5745.8	5573.7	5202.3	4788.8	4506.5	4198.3	3953.1	3683.2	3512.4	3332.9
7.5°	5251.9	5227.1	5040.1	4522.6	4020.0	3611.4	3221.4	2904.5	2705.2	2545.5	2411.7
10°	4839.6	4821.0	4582.1	3916.0	3376.2	3070.4	2806.7	2529.4	2315.2	2081.2	1894.2
12.5°	4580.8	4538.7	4263.9	3568.1	3128.6	2843.8	2556.6	2268.1	1972.2	1735.8	1509.2
15°	4494.2	4433.5	4127.7	3448.0	2970.1	2608.6	2248.3	1916.5	1576.1	1314.8	1144.0
17.5°	4651.4	4551.1	4225.5	3427.0	2780.7	2301.6	1858.3	1426.2	1072.2	872.8	767.6
20°	5011.7	4896.5	4473.1	3405.9	2570.2	1957.4	1412.6	1007.8	741.6	632.6	574.5
22.5°	5546.5	5388.0	4839.6	3439.3	2375.8	1621.9	1020.2	711.9	589.3	521.2	480.4
25°	6189.1	6056.6	5303.9	3558.2	2222.3	1358.2	788.6	581.9	496.5	454.4	423.4
27.5°	6893.5	6681.8	5904.3	3700.6	2082.4	1153.9	692.1	520.0	442.0	403.6	387.5
30°	7394.9	7230.3	6407.0	3799.6	1907.9	1000.4	632.6	512.6	443.2	397.4	367.7
32.5°	7890.2	7679.7	6827.9	3845.4	1780.3	893.9	547.2	446.9	388.8	365.2	335.5
35°	8420.0	8199.7	7247.6	3820.7	1685.0	823.3	496.5	398.7	333.0	293.4	263.7
37.5°	8956.1	8723.4	7664.8	3731.5	1625.6	794.8	456.8	378.8	314.5	273.6	241.4
40°	9592.5	9281.7	8056.1	3658.5	1563.7	780.0	430.8	366.5	300.8	257.5	225.3
42.5°	10112.5	9816.6	8426.2	3620.1	1521.6	745.3	430.8	356.6	292.2	243.9	210.5
45°	10605.2	10298.2	8826.1	3651.0	1504.2	702.0	435.8	355.3	286.0	234.0	200.6
47.5°	11017.5	10751.3	9237.2	3767.4	1482.0	654.9	409.8	372.7	282.3	225.3	190.7
50°	11504.1	11246.5	9780.7	4002.6	1442.3	607.9	377.6	401.1	281.0	217.9	182.0
52.5°	12189.9	11911.4	10530.9	4270.1	1379.2	536.1	347.9	397.4	276.1	205.5	173.3
55°	13028.1	12802.8	11400.1	4590.7	1292.5	455.6	300.8	352.8	261.2	184.5	158.5
57.5°	13565.4	13373.5	12051.3	4729.4	1160.1	372.7	264.9	295.9	238.9	164.7	141.1
59°	13628.6	13455.2	12187.5	4683.6	1073.4	340.5	247.6	253.8	232.8	153.5	131.2
60°	13575.3	13395.8	12133.0	4594.4	992.9	318.2	232.8	225.3	234.0	147.3	123.8
62.5°	13233.6	12926.6	11604.3	4142.5	867.9	292.2	206.8	184.5	206.8	132.5	110.2
65°	12573.7	12113.2	10558.2	3506.2	818.4	277.3	175.8	154.8	157.2	116.4	95.3
67.5°	11421.1	10840.5	9165.4	2848.8	797.3	278.6	148.6	138.7	121.3	99.0	84.2
70°	9598.7	9019.3	7354.1	2343.6	787.4	278.6	126.3	118.9	101.5	83.0	73.0
72.5°	6801.9	6177.9	4960.9	1841.0	709.4	277.3	107.7	107.7	83.0	69.3	59.4
75°	3842.9	3847.9	3118.7	1302.4	589.3	229.0	86.7	85.4	60.7	53.2	44.6
77.5°	2239.7	2200.0	2102.2	559.6	273.6	104.0	60.7	52.0	42.1	38.4	32.2
80°	1151.4	947.1	922.4	203.0	97.8	65.6	42.1	29.7	27.2	24.8	22.3
82.5°	340.5	341.7	304.6	81.7	54.5	43.3	21.0	16.1	14.9	13.6	13.6
85°	23.5	14.9	17.3	24.8	33.4	17.3	1.2	3.7	3.7	5.0	6.2
87.5°	2.5	1.2	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°	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1
2.5°	4455.8	4510.3	4408.7	4411.2	4327.0	4354.3	4255.2	4287.4	4229.2	4273.8	4405.0
5°	3352.7	3365.0	3283.3	3257.3	3269.7	3320.5	3340.3	3249.9	3288.3	3212.8	3207.8
7.5°	2362.2	2377.1	2330.0	2323.8	2413.0	2391.9	2430.3	2337.5	2249.6	2287.9	2217.4
10°	1834.8	1772.9	1676.3	1649.1	1631.8	1642.9	1642.9	1558.7	1546.3	1512.9	1563.7
12.5°	1448.5	1373.0	1281.4	1157.6	1126.6	1124.2	1078.4	1004.1	980.5	952.1	994.2
15°	1052.4	1021.4	944.6	875.3	804.7	791.1	716.8	656.2	575.7	564.6	560.8
17.5°	740.4	694.6	693.3	653.7	612.8	585.6	516.3	446.9	416.0	412.3	412.3
20°	554.7	538.6	512.6	507.6	495.2	464.3	402.4	365.2	350.4	351.6	356.6
22.5°	466.7	455.6	432.1	420.9	416.0	388.8	342.9	318.2	310.8	310.8	312.0
25°	417.2	407.3	381.3	364.0	357.8	338.0	302.1	283.5	277.3	277.3	277.3
27.5°	380.1	367.7	340.5	325.6	314.5	292.2	269.9	251.3	245.1	245.1	246.4
30°	354.1	340.5	315.7	295.9	278.6	258.8	240.2	224.1	216.7	215.4	216.7
32.5°	319.4	307.0	282.3	269.9	250.1	226.6	211.7	196.9	189.4	190.7	189.4
35°	248.9	245.1	227.8	231.5	220.4	200.6	186.9	170.9	162.2	160.9	163.4
37.5°	226.6	211.7	191.9	193.1	189.4	182.0	159.7	142.4	136.2	136.2	137.4
40°	209.2	194.4	172.1	160.9	162.2	162.2	138.7	120.1	113.9	112.7	115.1
42.5°	194.4	179.5	154.8	136.2	131.2	137.4	117.6	99.0	92.9	90.4	92.9
45°	184.5	168.4	139.9	118.9	104.0	111.4	96.6	81.7	74.3	74.3	73.0
47.5°	174.6	159.7	128.8	102.8	86.7	83.0	79.2	65.6	58.2	57.0	58.2
50°	165.9	151.0	116.4	89.1	73.0	64.4	64.4	52.0	47.0	44.6	45.8
52.5°	157.2	141.1	105.2	79.2	63.1	52.0	45.8	42.1	38.4	37.1	38.4
55°	144.9	128.8	94.1	68.1	54.5	43.3	35.9	34.7	32.2	29.7	32.2
57.5°	130.0	115.1	83.0	58.2	43.3	33.4	29.7	28.5	26.0	24.8	24.8
59°	121.3	107.7	76.8	50.8	38.4	29.7	27.2	26.0	23.5	21.0	22.3
60°	116.4	105.2	73.0	47.0	34.7	27.2	24.8	23.5	21.0	19.8	21.0
62.5°	102.8	94.1	64.4	38.4	27.2	19.8	17.3	18.6	17.3	16.1	17.3
65°	90.4	83.0	54.5	29.7	21.0	13.6	12.4	16.1	14.9	13.6	14.9
67.5°	80.5	71.8	45.8	22.3	14.9	7.4	8.7	13.6	13.6	12.4	13.6
70°	69.3	61.9	37.1	16.1	7.4	3.7	6.2	9.9	12.4	11.1	12.4
72.5°	57.0	48.3	28.5	11.1	3.7	0.0	3.7	8.7	12.4	11.1	12.4
75°	44.6	35.9	21.0	6.2	0.0	0.0	1.2	7.4	12.4	11.1	12.4
77.5°	32.2	26.0	12.4	1.2	0.0	0.0	1.2	7.4	12.4	11.1	12.4
80°	21.0	18.6	5.0	0.0	0.0	0.0	1.2	7.4	12.4	12.4	13.6
82.5°	13.6	9.9	0.0	0.0	0.0	0.0	2.5	9.9	13.6	14.9	14.9
85°	6.2	0.0	0.0	0.0	0.0	0.0	5.0	12.4	16.1	16.1	16.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.5	8.7	14.9	18.6	18.6	18.6
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°	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1
2.5°	4427.3	4505.3	4615.5	4785.1	4922.5	5139.2	5305.1	5531.7	5760.7	5830.0	5937.7
5°	3258.6	3358.9	3608.9	3836.7	3980.4	4438.4	4728.2	5185.0	5594.8	5791.6	6005.8
7.5°	2263.2	2382.0	2572.7	2890.9	3193.0	3565.6	4033.6	4556.1	5156.5	5437.6	5739.6
10°	1588.4	1737.0	2005.7	2266.9	2647.0	3001.1	3462.9	4039.8	4702.2	5034.0	5412.8
12.5°	1002.8	1135.3	1490.6	1784.0	2258.2	2669.3	3095.2	3617.6	4385.2	4725.7	5123.1
15°	573.2	684.6	850.5	1226.9	1753.1	2296.6	2827.7	3434.4	4223.0	4642.7	5072.3
17.5°	427.1	456.8	531.1	744.1	1223.2	1858.3	2581.4	3378.7	4333.2	4826.0	5316.2
20°	359.0	378.8	413.5	497.7	780.0	1431.2	2341.2	3388.6	4689.8	5308.8	5774.3
22.5°	321.9	334.3	362.8	417.2	532.4	1042.4	2060.1	3446.8	5121.9	5901.8	6439.2
25°	282.3	298.4	323.1	370.2	443.2	723.0	1782.8	3576.8	5727.3	6654.6	7159.7
27.5°	251.3	266.2	290.9	334.3	388.8	552.2	1459.7	3688.2	6366.1	7412.3	7825.8
30°	220.4	235.2	260.0	294.7	344.2	446.9	1111.8	3753.8	6986.4	7980.5	8298.7
32.5°	194.4	206.8	230.3	261.2	302.1	378.8	876.5	3685.7	7460.6	8496.8	8709.8
35°	168.4	183.2	203.0	231.5	267.4	323.1	729.2	3450.5	7867.9	9027.9	9104.7
37.5°	141.1	158.5	179.5	205.5	234.0	297.1	585.6	3190.5	8303.7	9690.3	9564.0
40°	118.9	134.9	154.8	183.2	209.2	272.4	450.7	2913.2	8774.1	10311.8	10065.4
42.5°	96.6	113.9	137.4	163.4	206.8	237.7	349.1	2625.9	9196.3	10852.8	10518.6
45°	76.8	91.6	116.4	149.8	205.5	204.3	269.9	2342.4	9514.5	11239.1	10856.6
47.5°	60.7	73.0	97.8	146.1	189.4	173.3	216.7	2166.6	9848.8	11587.0	11115.3
50°	48.3	60.7	84.2	152.3	165.9	148.6	182.0	2195.1	10171.9	11764.0	11221.8
52.5°	40.9	53.2	73.0	120.1	127.5	130.0	159.7	2326.3	10589.1	11953.5	11433.5
55°	35.9	47.0	61.9	84.2	99.0	116.4	146.1	2421.6	11147.5	12359.6	11900.2
57.5°	28.5	40.9	55.7	71.8	81.7	101.5	134.9	2429.1	11652.6	12880.8	12520.5
59°	26.0	37.1	52.0	68.1	73.0	91.6	127.5	2365.9	11671.2	12958.8	12805.3
60°	23.5	35.9	49.5	63.1	69.3	86.7	121.3	2292.9	11502.8	12835.0	12922.9
62.5°	19.8	31.0	43.3	50.8	59.4	71.8	105.2	2027.9	10686.9	12274.1	12705.0
65°	17.3	27.2	37.1	42.1	49.5	61.9	92.9	1623.1	9785.6	11514.0	12081.0
67.5°	16.1	24.8	32.2	35.9	43.3	57.0	83.0	1146.4	8618.1	10549.5	11143.8
70°	14.9	23.5	28.5	33.4	38.4	48.3	70.6	668.6	6638.5	8858.3	9486.0
72.5°	14.9	22.3	24.8	28.5	33.4	43.3	65.6	361.5	4538.7	6757.3	7568.3
75°	14.9	21.0	22.3	24.8	29.7	39.6	58.2	189.4	2934.2	4694.7	5794.1
77.5°	14.9	19.8	22.3	23.5	28.5	34.7	50.8	118.9	1954.9	3288.3	3916.0
80°	16.1	19.8	21.0	23.5	27.2	32.2	42.1	79.2	1148.9	1978.4	2383.3
82.5°	17.3	19.8	22.3	24.8	28.5	31.0	37.1	49.5	529.9	1308.6	1480.7
85°	18.6	21.0	23.5	26.0	29.7	31.0	34.7	35.9	86.7	590.6	798.5
87.5°	19.8	22.3	24.8	27.2	32.2	32.2	32.2	32.2	29.7	63.1	160.9
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°	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1	5383.1
2.5°	6073.9	6213.8	6311.6	6336.4	6265.8	6233.6	6144.5	6005.8	5921.6	5917.9
5°	6400.8	6728.9	6956.7	6995.0	6858.9	6628.6	6355.0	6002.1	5795.4	5733.5
7.5°	6345.1	6919.5	7286.0	7339.2	7110.2	6670.7	6140.8	5572.5	5347.2	5251.9
10°	6116.0	6816.8	7340.5	7424.6	7118.8	6499.8	5826.3	5192.4	4912.6	4839.6
12.5°	5920.4	6628.6	7094.1	7210.5	6978.9	6361.2	5638.1	4948.5	4648.9	4580.8
15°	5835.0	6405.7	6690.5	6749.9	6711.5	6274.5	5618.3	4911.4	4568.4	4494.2
17.5°	5920.4	6216.3	6252.2	6312.9	6398.3	6265.8	5809.0	5113.2	4743.0	4651.4
20°	6144.5	6051.6	5903.1	5929.1	6124.7	6301.7	6148.2	5560.1	5109.5	5011.7
22.5°	6525.8	6010.8	5674.0	5651.7	5899.4	6421.8	6645.9	6165.5	5643.1	5546.5
25°	6993.8	6113.5	5589.8	5541.6	5811.5	6597.6	7186.9	6907.1	6336.4	6189.1
27.5°	7503.9	6326.5	5589.8	5542.8	5804.0	6753.6	7650.0	7563.3	7054.5	6893.5
30°	7783.7	6502.3	5670.3	5617.1	5895.6	6844.0	7897.6	8146.4	7594.3	7394.9
32.5°	8033.8	6746.2	5827.5	5727.3	6087.5	6977.7	8119.2	8641.7	8023.9	7890.2
35°	8264.1	7007.4	6044.2	5927.8	6340.1	7160.9	8364.3	9161.6	8621.9	8420.0
37.5°	8517.9	7310.7	6382.2	6283.2	6762.3	7517.5	8655.3	9845.1	9209.9	8956.1
40°	8793.9	7662.4	6938.1	6896.0	7433.3	7921.1	9023.0	10574.3	9881.0	9592.5
42.5°	9075.0	8067.2	7619.0	7688.4	8193.5	8486.9	9400.6	11135.1	10430.7	10112.5
45°	9330.0	8584.7	8504.2	8847.2	9079.9	9039.1	9680.4	11530.1	10909.8	10605.2
47.5°	9651.9	9338.7	9575.2	10103.8	10110.0	9639.5	9892.1	11853.2	11322.1	11017.5
50°	10012.2	10228.9	10958.1	11496.6	11351.8	10230.1	10139.7	12235.8	11748.0	11504.1
52.5°	10429.4	11225.5	12235.8	12833.7	12495.7	10873.9	10552.0	12649.3	12423.9	12189.9
55°	10914.7	11905.2	13509.7	13986.4	13645.9	11673.7	11178.4	13210.1	13187.8	13028.1
57.5°	11463.2	12623.3	14247.6	14892.6	14589.3	12612.1	12053.8	13738.8	13654.6	13565.4
59°	11896.5	12992.2	14573.2	15241.8	15058.5	13269.5	12641.8	14068.1	13762.3	13628.6
60°	12159.0	13242.3	14693.3	15288.8	15246.7	13660.8	13014.5	14229.0	13761.0	13575.3
62.5°	12937.7	13679.3	14647.5	15079.6	15244.2	14411.0	14107.7	14406.1	13506.0	13233.6
65°	13215.1	13534.5	13888.6	13835.3	13976.5	14372.6	14806.0	14211.7	12961.3	12573.7
67.5°	12675.3	11946.0	12071.1	11715.8	11646.4	12778.0	14522.4	13260.9	11895.3	11421.1
70°	10684.5	9151.7	9088.6	9252.0	8803.8	10345.2	13040.5	11429.8	10136.0	9598.7
72.5°	8410.1	6467.6	5935.3	6537.0	6523.3	7892.6	10833.0	8110.5	6847.7	6801.9
75°	6613.7	4502.8	3951.9	4049.7	4237.9	5713.6	8628.0	5150.3	4216.8	3842.9
77.5°	4439.7	3190.5	2976.3	2856.2	3059.2	3668.4	5458.6	2793.1	2364.7	2239.7
80°	2559.1	2317.6	2632.1	2389.5	2498.4	2311.5	2715.1	1281.4	1063.5	1151.4
82.5°	1665.2	1319.8	1406.4	1044.9	1428.7	1441.1	871.6	378.8	320.7	340.5
85°	1041.2	619.0	347.9	247.6	492.7	906.3	272.4	23.5	27.2	23.5
87.5°	269.9	102.8	43.3	64.4	79.2	70.6	63.1	3.7	1.2	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)