

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: P324400

Luminaire Tested: **GAN-SA6B-727-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324400
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-SA6B-727-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA 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: 21189 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

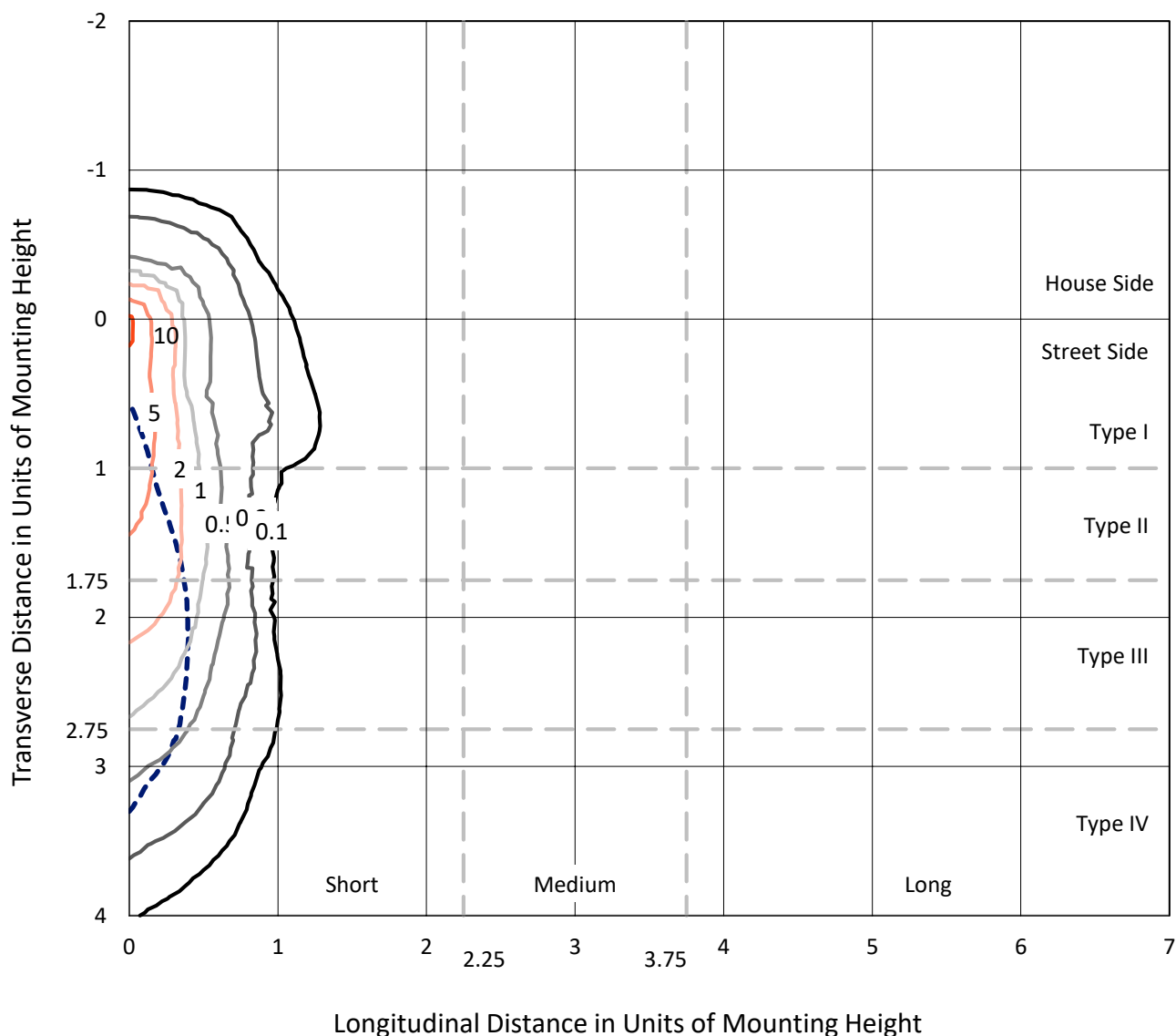
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

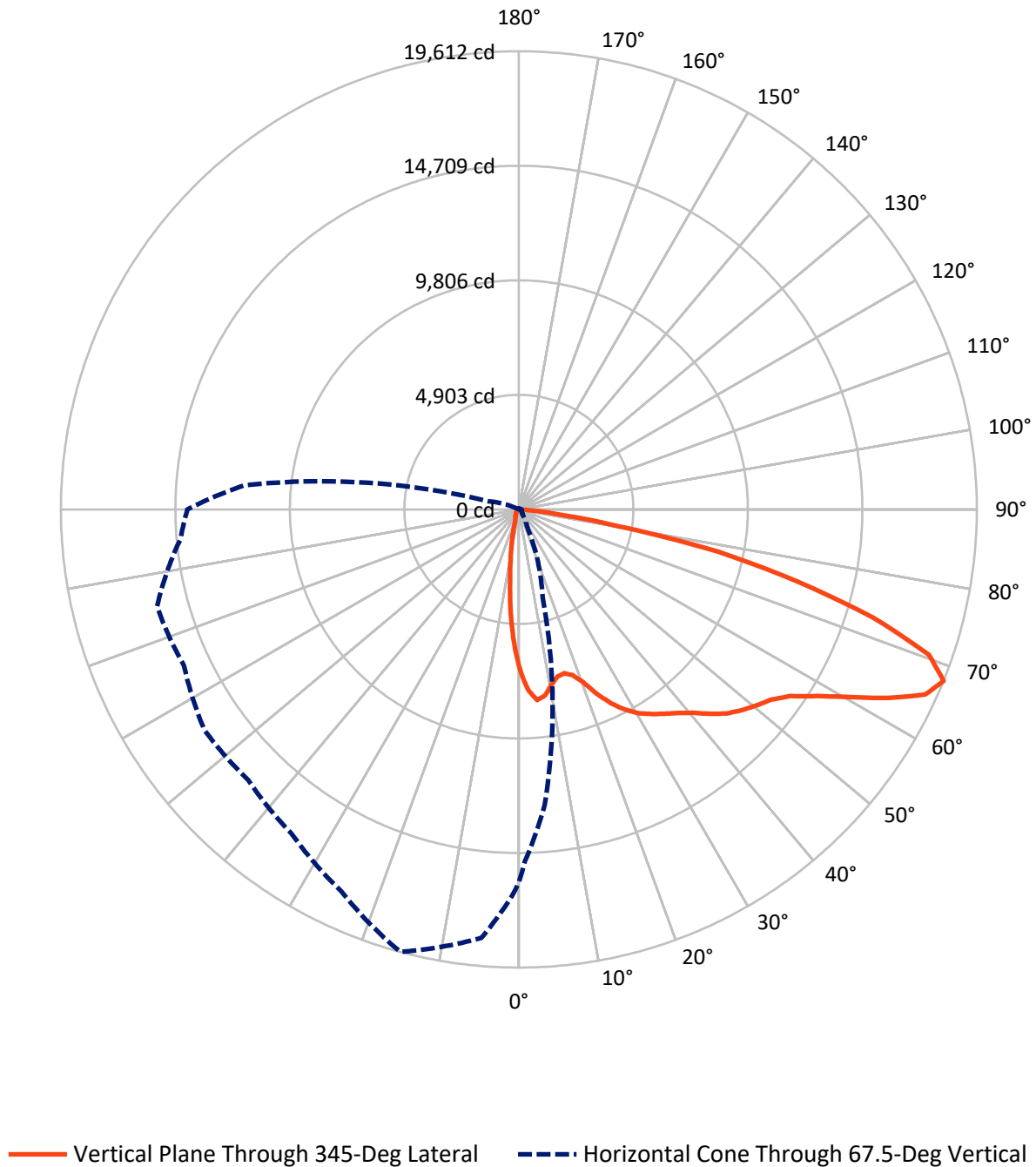
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2564.6	0.0	2564.6
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	18624.4	0.0	18624.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	21189.0	0.0	21189.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.7	2.5
10°-20°	1054.4	5.0
20°-30°	1497.3	7.1
30°-40°	2211.6	10.4
40°-50°	3189.6	15.1
50°-60°	4477.6	21.1
60°-70°	5219.6	24.6
70°-80°	2668.3	12.6
80°-90°	340.8	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°	21189.0	100.0
0°-180°	21189.0	100.0

Coefficient of Utilization



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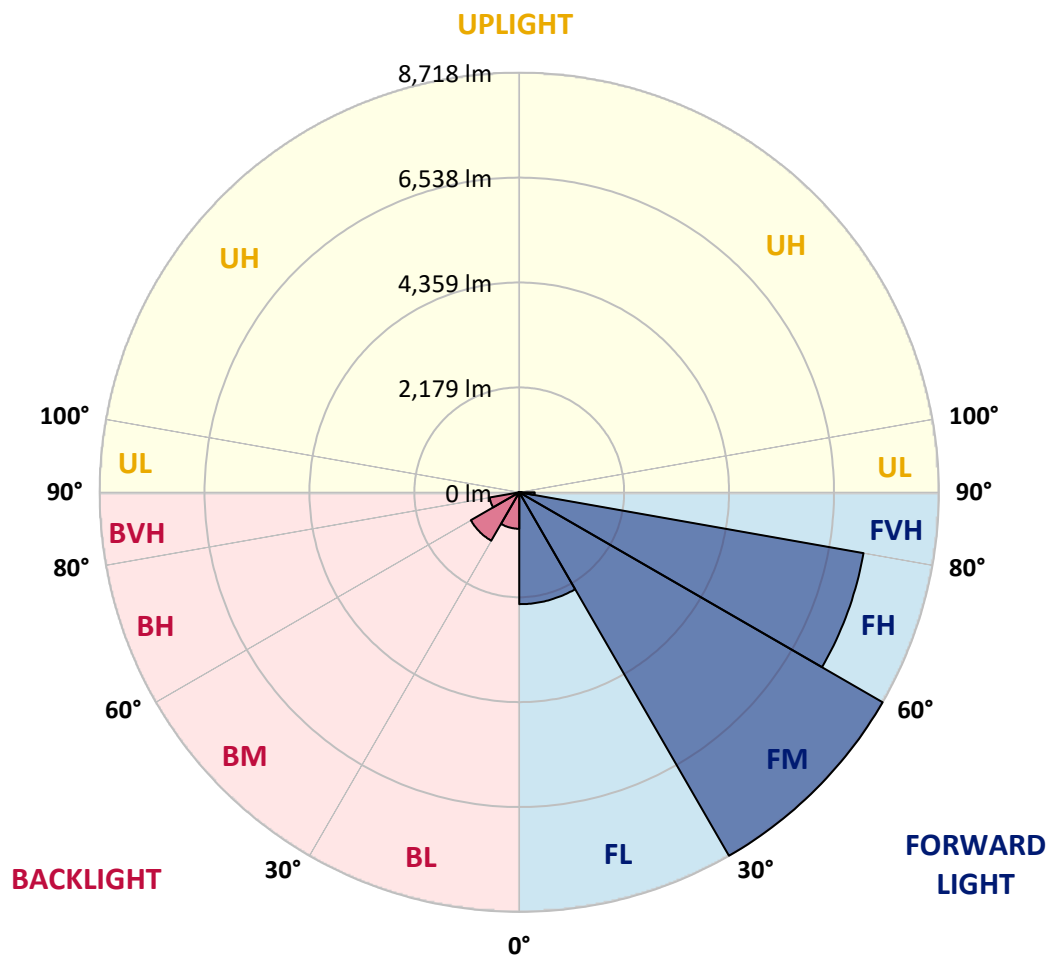
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2324.0	11.0			
FM	(30°-60°)	8717.5	41.1			
FH	(60°-80°)	7262.8	34.3			G3/7500
FVH	(80°-90°)	320.1	1.5			G3/500
BL	(0°-30°)	757.5	3.6	B2/1000		
BM	(30°-60°)	1161.3	5.5	B2/2500		
BH	(60°-80°)	625.1	2.9	B2/1000		G2/1000
BVH	(80°-90°)	20.7	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3
2.5°	7557.8	7499.6	7435.3	7225.5	7030.8	6807.9	6626.2	6499.7	6341.1	6135.4	6083.2
5°	7503.6	7441.3	7239.6	6772.8	6364.2	5966.7	5583.3	5358.4	5079.3	4796.3	4726.0
7.5°	6958.5	6893.2	6602.1	5962.7	5412.6	4838.4	4340.5	4032.4	3717.2	3458.2	3320.6
10°	6391.3	6320.1	5992.8	5216.9	4539.3	4020.3	3654.9	3360.8	3062.7	2785.6	2564.8
12.5°	6000.8	5907.5	5552.1	4672.8	4082.5	3730.2	3388.9	3036.6	2633.0	2335.9	2093.0
15°	5837.2	5730.8	5355.4	4463.0	3920.9	3507.4	3062.7	2630.0	2157.2	1816.9	1594.1
17.5°	5963.7	5825.2	5422.6	4448.9	3718.2	3155.0	2592.9	2084.9	1572.0	1227.7	1069.1
20°	6393.3	6211.6	5700.7	4444.9	3472.2	2736.4	2023.7	1449.5	1035.9	833.2	749.9
22.5°	7069.9	6830.0	6100.2	4477.0	3218.3	2296.7	1461.6	984.7	778.0	672.6	623.4
25°	7887.0	7609.0	6675.4	4590.5	2995.4	1869.1	1062.0	778.0	656.5	579.2	538.0
27.5°	8664.0	8438.1	7402.2	4754.1	2822.7	1523.8	862.3	659.5	561.1	509.9	476.8
30°	9439.9	9155.9	8148.0	4948.8	2615.0	1289.9	757.9	601.3	502.9	448.7	427.6
32.5°	10004.1	9768.2	8732.2	5089.4	2393.1	1137.3	677.6	550.1	469.8	414.6	383.5
35°	10667.6	10400.6	9233.2	5120.5	2250.6	1041.0	609.3	494.9	407.6	358.4	325.2
37.5°	11384.3	11052.1	9811.4	5052.2	2139.1	993.8	558.1	469.8	380.4	330.3	295.1
40°	12177.4	11801.9	10366.5	4953.9	2029.7	977.7	519.0	450.7	359.4	308.2	272.0
42.5°	13012.5	12569.9	10847.3	4850.5	1960.5	922.5	515.0	431.6	343.3	288.1	252.0
45°	13714.2	13265.5	11341.2	4816.3	1911.3	862.3	532.0	418.6	332.3	272.0	236.9
47.5°	14273.3	13848.7	11847.1	4892.6	1883.2	807.1	484.8	435.7	326.2	258.0	223.9
50°	14940.9	14460.1	12559.8	5120.5	1842.0	751.9	438.7	498.9	326.2	248.9	212.8
52.5°	15778.1	15302.3	13354.8	5473.8	1759.7	675.6	394.5	499.9	329.3	236.9	198.8
55°	16831.1	16485.8	14490.2	5861.3	1628.2	563.1	341.3	429.6	317.2	214.8	185.7
57.5°	17840.9	17558.8	15525.1	6126.3	1452.5	439.7	297.1	346.3	290.1	188.7	165.6
59°	18117.0	17808.8	15904.5	6138.4	1321.0	383.5	275.0	286.1	284.1	176.7	153.6
60°	18117.0	17789.7	16014.0	6074.1	1225.7	352.3	261.0	255.0	296.1	168.6	146.6
62.5°	17788.7	17329.0	15658.6	5639.5	999.8	300.1	227.9	210.8	266.0	151.6	129.5
65°	17106.1	16436.6	14448.0	4853.5	891.4	275.0	196.7	172.7	184.7	133.5	113.4
67.5°	15967.8	15060.3	12702.4	3920.9	848.2	268.0	169.6	146.6	139.5	114.4	99.4
70°	13963.2	12956.3	10583.3	3082.7	811.1	265.0	142.5	123.5	112.4	96.4	84.3
72.5°	10162.7	9112.7	7513.6	2410.2	789.0	271.0	114.4	103.4	92.4	75.3	65.2
75°	5813.1	5125.5	4223.1	1592.1	672.6	259.0	88.3	86.3	66.3	54.2	45.2
77.5°	3003.4	2912.1	2530.6	611.3	322.2	113.4	58.2	50.2	39.1	33.1	27.1
80°	1295.9	1281.9	1109.2	176.7	85.3	63.2	33.1	21.1	18.1	14.1	11.0
82.5°	447.7	447.7	394.5	59.2	38.1	31.1	4.0	0.0	0.0	0.0	0.0
85°	90.3	101.4	71.3	0.0	13.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3
2.5°	6019.9	5898.5	5890.4	5814.1	5718.8	5675.6	5650.5	5694.7	5748.9	5754.9	5836.2
5°	4672.8	4545.3	4598.5	4463.0	4490.1	4463.0	4418.8	4426.9	4450.9	4375.7	4469.0
7.5°	3281.5	3185.1	3246.4	3210.2	3258.4	3277.5	3250.4	3210.2	3091.8	3077.7	3159.0
10°	2473.4	2364.0	2298.8	2230.5	2245.5	2276.7	2266.6	2237.5	2162.2	2166.2	2244.5
12.5°	1987.6	1865.1	1735.6	1568.0	1526.8	1549.9	1526.8	1509.7	1437.5	1443.5	1512.8
15°	1507.7	1407.4	1271.8	1137.3	1064.1	1071.1	1006.8	961.7	916.5	862.3	904.4
17.5°	1017.9	956.6	916.5	876.3	789.0	768.9	687.6	600.3	566.2	541.1	559.1
20°	720.7	687.6	671.6	669.5	619.4	594.3	515.0	460.8	443.7	438.7	449.7
22.5°	602.3	578.2	555.1	542.1	517.0	487.9	427.6	400.5	388.5	382.5	390.5
25°	524.0	505.9	481.8	459.8	449.7	418.6	375.4	355.4	347.3	341.3	345.3
27.5°	465.8	449.7	421.6	407.6	399.5	372.4	335.3	319.2	312.2	310.2	309.2
30°	419.6	404.5	378.4	362.4	348.3	324.2	302.2	286.1	279.1	277.1	275.0
32.5°	373.4	361.4	344.3	328.2	313.2	291.1	272.0	259.0	247.9	245.9	244.9
35°	315.2	303.2	294.1	293.1	279.1	258.0	243.9	226.9	217.8	214.8	215.8
37.5°	280.1	264.0	243.9	251.0	246.9	231.9	212.8	195.7	186.7	184.7	184.7
40°	258.0	240.9	217.8	205.8	217.8	214.8	184.7	167.6	158.6	157.6	155.6
42.5°	236.9	219.8	193.7	173.7	179.7	188.7	159.6	143.5	134.5	132.5	129.5
45°	221.8	203.8	174.7	151.6	139.5	158.6	136.5	116.4	111.4	107.4	105.4
47.5°	207.8	190.7	157.6	131.5	111.4	114.4	109.4	95.4	89.3	85.3	84.3
50°	195.7	177.7	142.5	112.4	92.4	84.3	88.3	75.3	70.3	66.3	64.2
52.5°	181.7	164.6	126.5	97.4	77.3	66.3	67.3	59.2	54.2	51.2	50.2
55°	170.6	153.6	113.4	85.3	68.3	54.2	48.2	46.2	43.2	41.2	40.2
57.5°	155.6	139.5	100.4	72.3	58.2	44.2	37.1	37.1	36.1	34.1	33.1
59°	146.6	132.5	92.4	65.2	53.2	38.1	33.1	34.1	33.1	31.1	30.1
60°	139.5	126.5	86.3	60.2	50.2	35.1	30.1	32.1	31.1	29.1	28.1
62.5°	123.5	114.4	74.3	50.2	44.2	28.1	25.1	27.1	27.1	26.1	25.1
65°	108.4	98.4	63.2	42.2	41.2	24.1	20.1	24.1	25.1	23.1	21.1
67.5°	94.4	84.3	55.2	34.1	38.1	19.1	15.1	20.1	27.1	21.1	19.1
70°	80.3	70.3	43.2	27.1	40.2	13.0	12.0	18.1	32.1	23.1	18.1
72.5°	62.2	54.2	30.1	20.1	43.2	9.0	9.0	15.1	36.1	25.1	17.1
75°	43.2	35.1	18.1	12.0	35.1	6.0	6.0	14.1	34.1	23.1	16.1
77.5°	25.1	19.1	6.0	1.0	18.1	0.0	1.0	10.0	24.1	14.1	7.0
80°	9.0	4.0	0.0	0.0	11.0	0.0	0.0	0.0	2.0	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°	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3
2.5°	5857.3	5992.8	6114.3	6298.0	6515.8	6766.8	6982.6	7214.5	7432.3	7522.6	7584.9
5°	4488.1	4655.7	4851.5	5121.5	5480.9	5923.6	6338.1	6806.9	7310.8	7562.8	7799.7
7.5°	3173.1	3343.7	3586.7	3873.7	4308.4	4835.4	5377.5	6024.9	6707.5	7106.1	7498.5
10°	2281.7	2491.5	2718.3	3110.8	3552.5	4052.4	4610.6	5333.3	6094.2	6535.9	7008.7
12.5°	1552.9	1791.8	2135.1	2574.8	3093.8	3583.6	4068.5	4758.1	5641.5	6079.1	6586.1
15°	931.5	1064.1	1427.4	1936.4	2572.8	3183.1	3714.1	4405.8	5347.4	5883.4	6410.4
17.5°	574.2	635.4	833.2	1250.8	1919.3	2691.2	3419.0	4286.3	5389.5	6042.0	6606.2
20°	457.7	481.8	545.1	738.8	1271.8	2149.2	3086.8	4262.2	5733.8	6536.9	7142.2
22.5°	397.5	420.6	462.8	537.0	800.0	1609.1	2771.6	4284.3	6227.7	7278.7	7985.4
25°	350.3	370.4	410.6	471.8	586.2	1133.3	2434.3	4382.7	6871.2	8199.2	8950.1
27.5°	313.2	330.3	367.4	423.6	502.9	791.0	2051.8	4502.1	7634.1	9140.8	9881.6
30°	279.1	294.1	327.2	379.4	436.7	608.3	1632.2	4583.4	8398.0	9881.6	10547.2
32.5°	250.0	261.0	291.1	335.3	379.4	484.8	1240.7	4570.4	8965.1	10498.0	11026.0
35°	219.8	230.9	257.0	295.1	330.3	400.5	975.7	4326.5	9459.0	11137.4	11574.1
37.5°	186.7	200.8	225.9	260.0	284.1	352.3	789.0	4032.4	9959.9	11868.2	12185.4
40°	158.6	172.7	194.7	231.9	246.9	334.3	606.3	3674.0	10523.1	12685.3	12855.9
42.5°	131.5	144.6	167.6	199.8	232.9	288.1	448.7	3264.4	11064.1	13384.0	13467.3
45°	106.4	119.5	143.5	175.7	248.9	238.9	347.3	2825.8	11500.8	13965.2	13992.3
47.5°	84.3	96.4	121.5	165.6	231.9	190.7	247.9	2481.4	11867.2	14418.9	14347.6
50°	65.2	75.3	101.4	189.7	202.8	157.6	187.7	2367.0	12195.4	14700.0	14515.3
52.5°	51.2	60.2	83.3	177.7	157.6	130.5	157.6	2474.4	12645.1	14932.9	14609.6
55°	41.2	50.2	65.2	101.4	107.4	110.4	134.5	2574.8	13421.1	15478.9	15166.7
57.5°	34.1	43.2	53.2	71.3	81.3	93.4	119.5	2585.8	14335.6	16386.4	16091.3
59°	31.1	39.1	48.2	63.2	71.3	85.3	112.4	2525.6	14657.8	16716.6	16569.1
60°	29.1	37.1	45.2	58.2	66.3	80.3	108.4	2468.4	14671.9	16704.6	16772.9
62.5°	25.1	33.1	40.2	49.2	56.2	68.3	97.4	2256.6	14077.6	16157.5	16650.4
65°	22.1	29.1	36.1	42.2	48.2	61.2	88.3	1870.1	13062.7	15275.2	15812.2
67.5°	20.1	25.1	33.1	37.1	43.2	54.2	78.3	1333.1	11794.9	14196.0	14544.4
70°	18.1	24.1	30.1	34.1	39.1	47.2	67.3	765.9	9959.9	12616.0	12864.0
72.5°	17.1	23.1	27.1	32.1	35.1	42.2	61.2	360.4	7292.8	10106.5	10753.9
75°	15.1	21.1	25.1	30.1	33.1	38.1	52.2	172.7	4850.5	7313.8	8049.6
77.5°	9.0	17.1	23.1	27.1	29.1	33.1	43.2	99.4	3095.8	5062.3	5962.7
80°	0.0	6.0	17.1	23.1	25.1	28.1	33.1	78.3	1656.3	2892.0	3471.2
82.5°	0.0	0.0	12.0	18.1	17.1	19.1	25.1	49.2	746.8	1890.2	2130.1
85°	0.0	0.0	4.0	14.1	12.0	9.0	17.1	17.1	163.6	956.6	1193.5
87.5°	0.0	0.0	0.0	1.0	6.0	4.0	7.0	2.0	1.0	71.3	289.1
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°	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3	6902.3
2.5°	7802.7	7877.0	8002.5	8061.7	8032.6	7909.1	7761.5	7611.0	7522.6	7557.8
5°	8282.5	8665.0	8885.8	8959.1	8836.6	8559.6	8197.2	7719.4	7549.7	7503.6
7.5°	8282.5	9002.3	9458.0	9538.3	9265.3	8722.2	8042.6	7296.8	7048.8	6958.5
10°	7991.4	8971.2	9606.6	9734.1	9352.6	8540.5	7630.0	6778.8	6484.7	6391.3
12.5°	7663.2	8718.2	9387.7	9563.4	9250.2	8359.8	7344.0	6428.5	6082.2	6000.8
15°	7461.4	8407.0	8961.1	9088.6	8956.1	8254.4	7275.7	6323.1	5915.5	5837.2
17.5°	7533.7	8166.1	8365.8	8440.1	8529.5	8217.3	7461.4	6554.0	6038.0	5963.7
20°	7805.7	7912.1	7808.7	7902.1	8143.0	8253.4	7904.1	7112.1	6492.7	6393.3
22.5°	8267.5	7780.6	7490.5	7527.7	7820.8	8372.9	8580.7	7909.1	7194.4	7069.9
25°	8805.5	7887.0	7313.8	7280.7	7581.9	8530.5	9199.0	8776.4	8024.6	7887.0
27.5°	9482.1	8125.9	7277.7	7244.6	7498.5	8678.0	9713.0	9633.7	8898.9	8664.0
30°	10004.1	8360.8	7385.1	7308.8	7581.9	8780.4	10125.5	10361.4	9595.5	9439.9
32.5°	10378.5	8637.9	7559.8	7449.4	7816.8	8957.1	10443.8	11028.0	10240.0	10004.1
35°	10663.6	8939.0	7841.9	7660.2	8140.0	9225.1	10741.9	11737.7	10925.6	10667.6
37.5°	10930.6	9361.6	8282.5	8065.7	8646.9	9656.8	11057.1	12542.8	11692.5	11384.3
40°	11303.0	9840.5	8962.1	8769.4	9499.2	10245.0	11450.6	13381.9	12564.8	12177.4
42.5°	11675.4	10354.4	9657.8	9710.0	10562.2	10959.7	11958.5	14269.3	13426.1	13012.5
45°	12015.7	10884.4	10648.5	10889.5	11549.0	11743.7	12463.4	14782.3	14113.7	13714.2
47.5°	12318.9	11547.0	11633.3	12274.7	12671.2	12453.4	12840.9	15225.0	14625.7	14273.3
50°	12671.2	12404.2	12931.2	13838.7	13963.2	13095.9	13184.2	15749.0	15224.0	14940.9
52.5°	13056.7	13307.7	14368.7	15168.7	15128.6	13793.5	13529.5	16336.2	16044.1	15778.1
55°	13494.4	14037.4	15634.5	16413.5	16379.4	14572.5	14101.7	17062.0	17072.0	16831.1
57.5°	14143.8	14665.8	16493.8	17420.3	17477.5	15471.9	15071.4	17875.1	18001.5	17840.9
59°	14609.6	15073.4	16834.1	17840.9	18073.8	16167.6	15780.1	18346.8	18263.5	18117.0
60°	14954.9	15332.4	17002.7	18060.8	18420.1	16639.3	16303.1	18623.9	18294.6	18117.0
62.5°	15809.2	15896.5	17306.9	18309.7	18818.6	17687.3	17774.7	19095.7	18078.8	17788.7
65°	16207.7	16252.9	17302.9	17864.0	18433.2	18503.4	19109.8	19109.8	17551.8	17106.1
67.5°	16041.1	15823.2	16444.6	16386.4	16954.5	18018.6	19611.7	18409.1	16544.0	15967.8
70°	14685.9	13847.7	13571.7	13596.8	14031.4	15672.7	18617.9	16347.2	14636.7	13963.2
72.5°	12219.5	10208.9	9527.3	10305.2	10418.7	12044.9	15866.4	12310.9	10794.1	10162.7
75°	9828.4	7196.4	6088.2	6909.3	7102.0	8814.6	12273.7	7667.2	6305.0	5813.1
77.5°	7060.9	5165.7	4368.6	4311.4	4560.4	5590.3	8709.2	3858.7	3218.3	3003.4
80°	4011.3	3399.9	3660.9	3454.2	3579.6	3495.3	4137.8	1692.4	1386.3	1295.9
82.5°	2421.2	2009.7	2176.3	1811.9	2292.7	1996.6	1594.1	542.1	470.8	447.7
85°	1575.0	1098.2	572.2	383.5	790.0	1275.9	356.4	147.6	113.4	90.3
87.5°	543.1	280.1	28.1	12.0	84.3	237.9	13.0	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

(END OF REPORT)