

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: P324156

Luminaire Tested: **GAN-SA2B-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2B-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8668 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

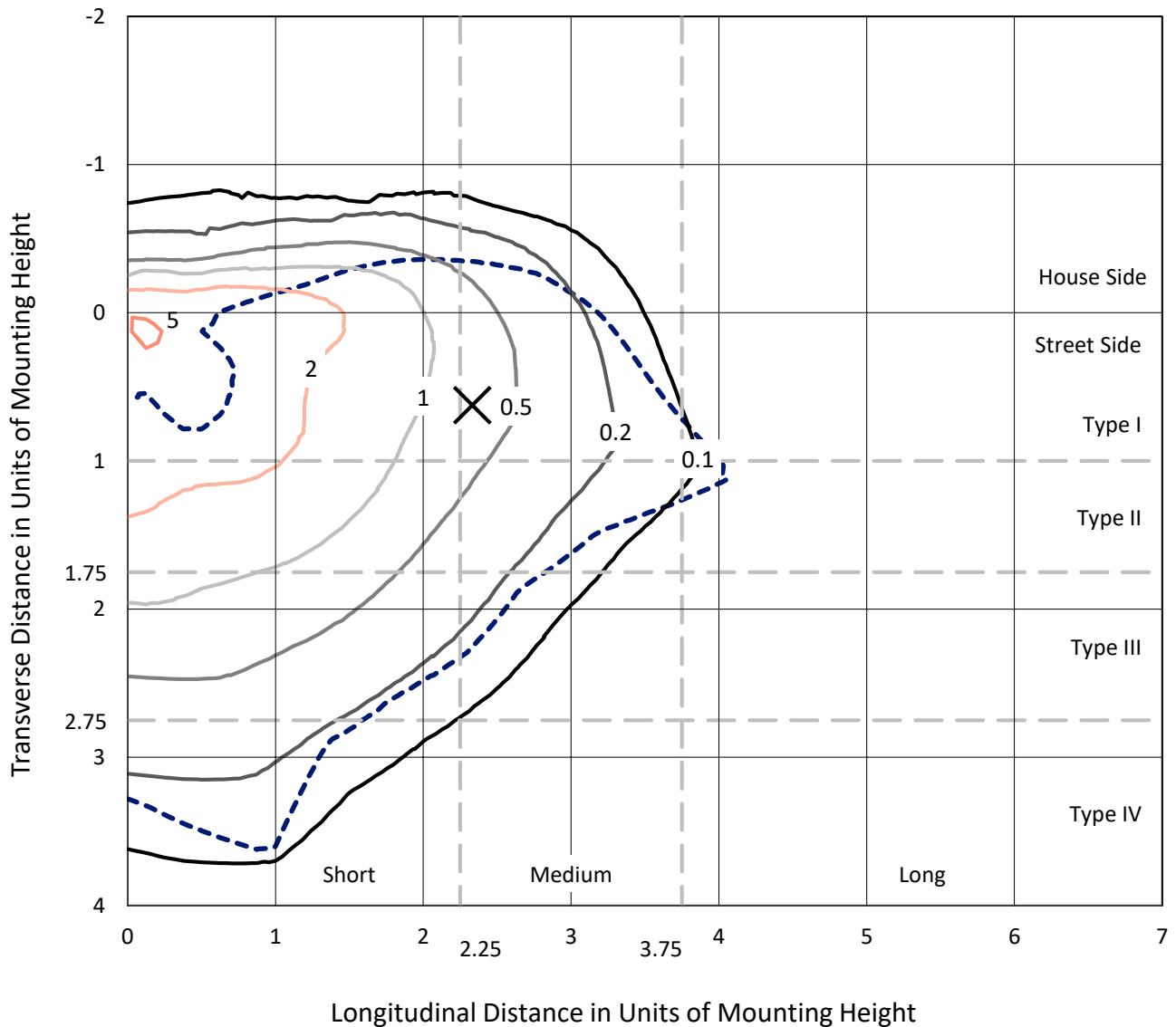
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

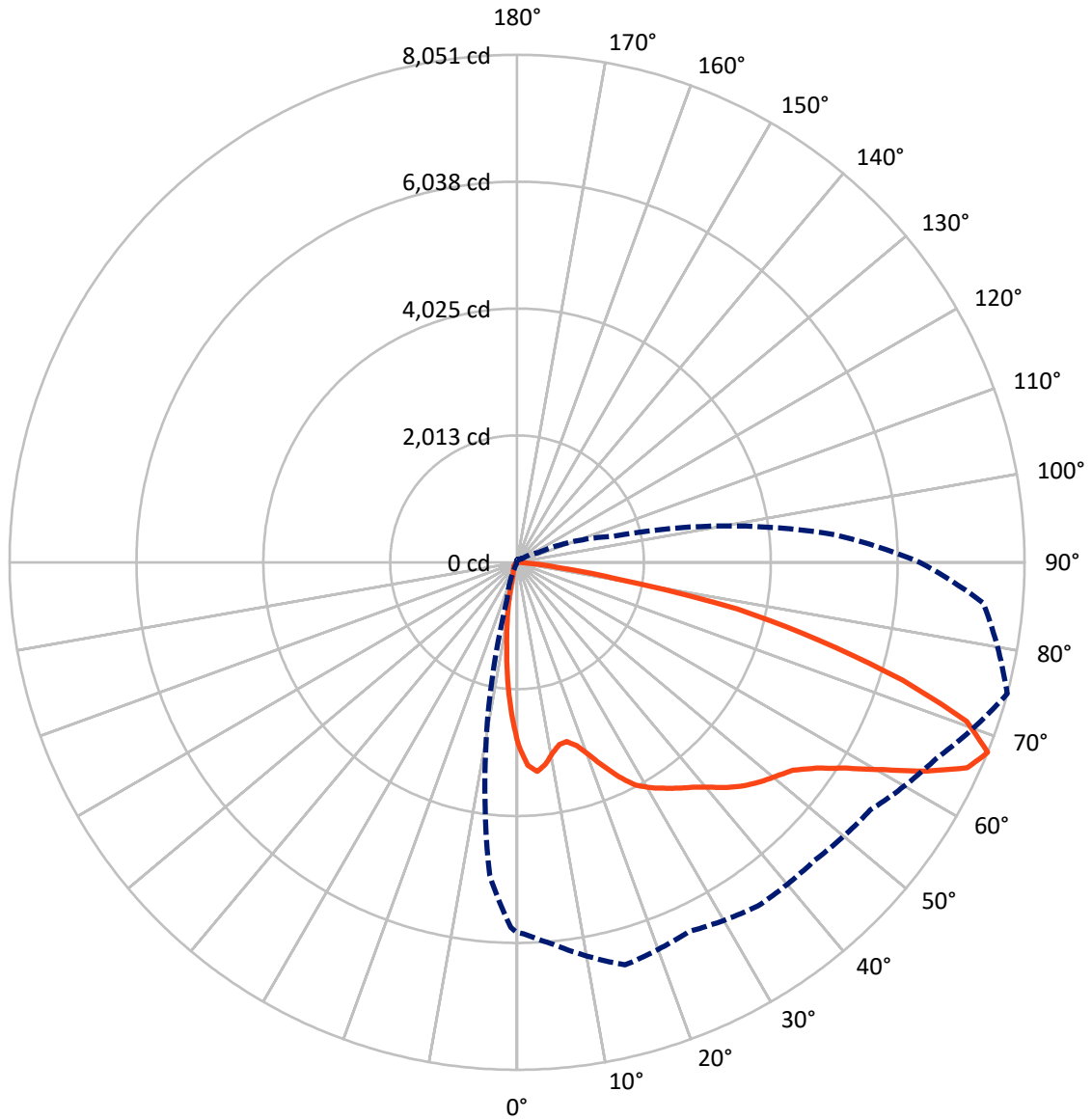
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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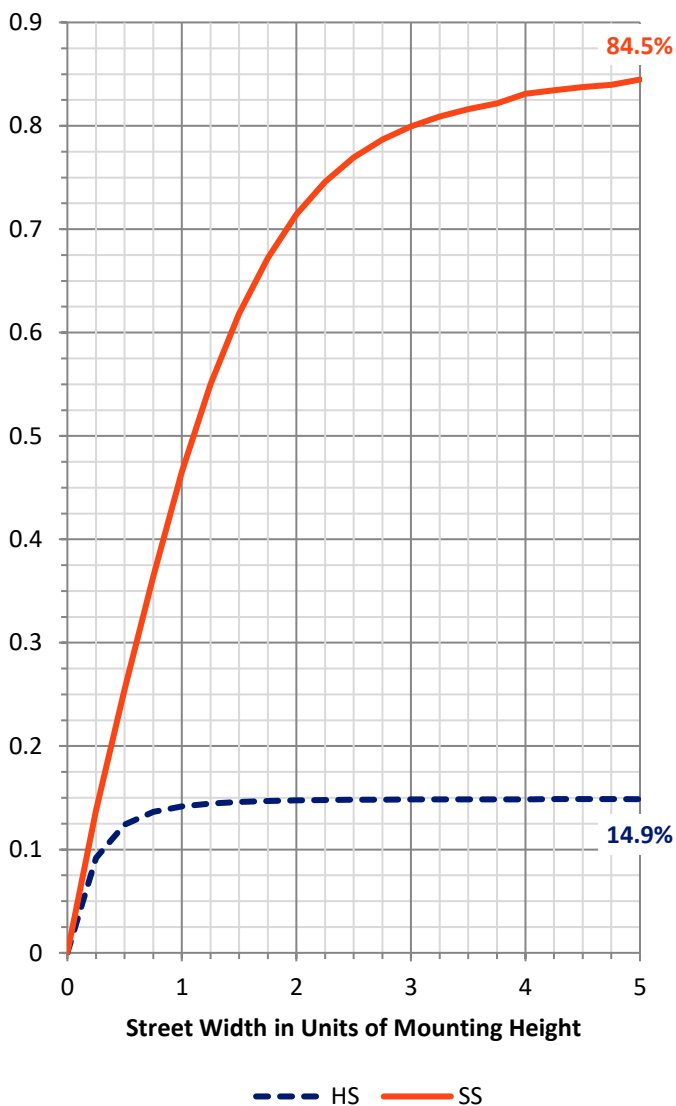
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1300.7	0.0	1300.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	7367.3	0.0	7367.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	8668.0	0.0	8668.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.6	2.5
10°-20°	434.3	5.0
20°-30°	614.5	7.1
30°-40°	903.4	10.4
40°-50°	1298.5	15.0
50°-60°	1828.0	21.1
60°-70°	2134.9	24.6
70°-80°	1089.2	12.6
80°-90°	144.7	1.7
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°	8668.0	100.0
0°-180°	8668.0	100.0

Coefficient of Utilization

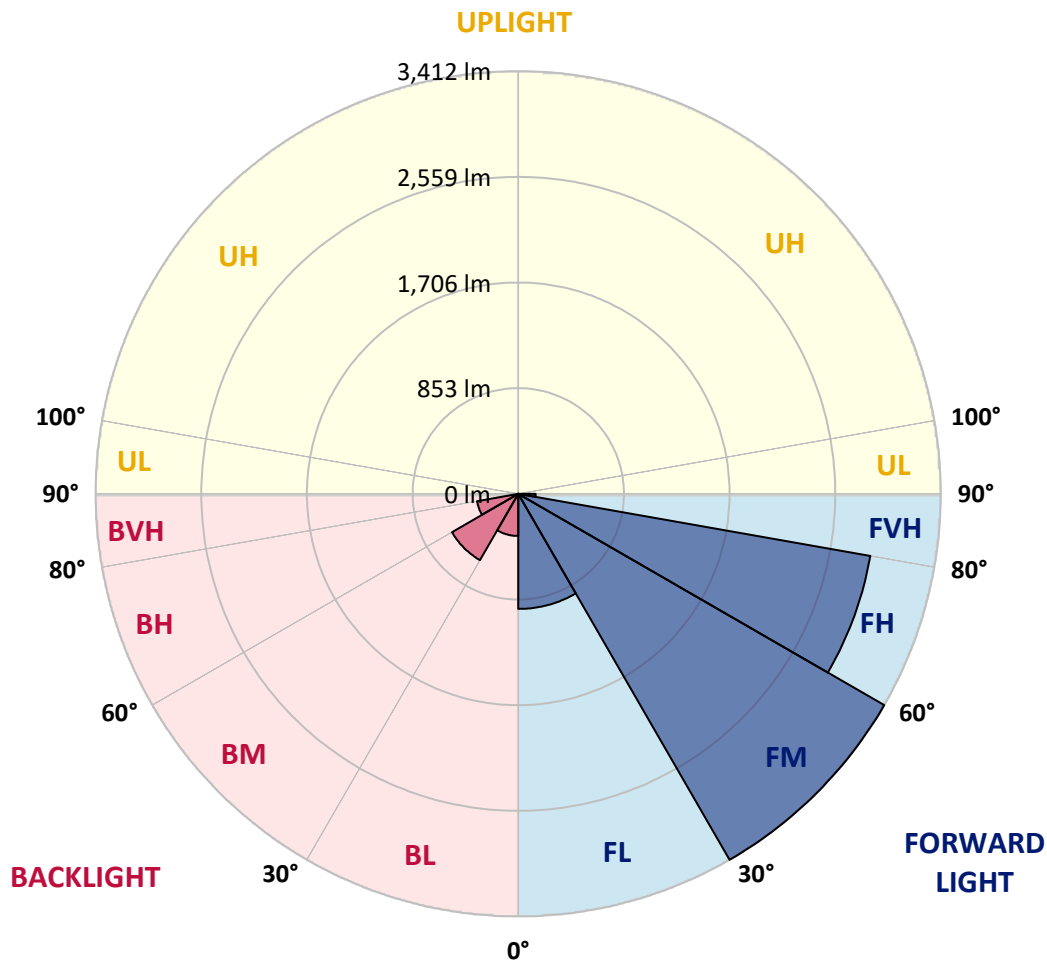


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	929.2	10.7			
FM (30°-60°)	3411.6	39.4			
FH (60°-80°)	2886.2	33.3			G2/5000
FVH (80°-90°)	140.3	1.6			G2/225
BL (0°-30°)	340.2	3.9	B1/500		
BM (30°-60°)	618.3	7.1	B1/1000		
BH (60°-80°)	337.9	3.9	B1/500		G1/500
BVH (80°-90°)	4.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0
2.5°	3152.3	3157.2	3182.7	3241.8	3306.3	3311.2	3354.7	3310.0	3294.8	3222.5	3147.8
5°	3176.1	3195.0	3282.4	3456.1	3606.8	3655.3	3689.8	3601.9	3509.5	3333.0	3144.5
7.5°	2984.3	3016.0	3153.5	3479.5	3748.9	3868.0	3890.6	3753.0	3526.8	3236.0	2952.7
10°	2738.8	2774.9	2940.8	3341.6	3711.5	3915.6	3946.8	3766.6	3441.4	3079.2	2745.4
12.5°	2540.1	2582.3	2751.9	3186.4	3583.0	3808.9	3870.4	3721.0	3367.4	2967.9	2603.7
15°	2448.5	2496.9	2675.1	3086.2	3440.5	3618.3	3669.2	3604.8	3326.4	2950.3	2570.9
17.5°	2501.0	2553.6	2737.6	3094.8	3306.7	3382.6	3423.7	3450.0	3326.4	3056.6	2666.9
20°	2716.6	2773.3	2967.9	3182.3	3195.8	3167.5	3211.4	3303.8	3365.0	3258.6	2897.7
22.5°	3014.7	3081.2	3300.9	3332.1	3141.6	3034.4	3040.2	3185.1	3435.2	3514.9	3218.0
25°	3378.1	3459.4	3682.8	3555.5	3164.2	2955.2	2953.1	3087.4	3503.8	3771.5	3574.8
27.5°	3739.0	3828.6	4024.8	3828.2	3257.4	2940.8	2936.7	3057.8	3570.7	3999.8	3964.5
30°	4041.7	4128.7	4297.9	4025.7	3358.0	2974.5	2954.8	3089.5	3610.5	4148.0	4248.6
32.5°	4288.0	4357.8	4494.6	4161.6	3465.6	3039.8	2997.1	3174.0	3678.3	4273.3	4509.8
35°	4559.0	4632.5	4687.2	4290.9	3586.3	3133.8	3072.6	3308.3	3782.6	4400.5	4796.0
37.5°	4868.2	4941.3	4934.8	4409.2	3739.5	3289.4	3250.4	3521.0	3944.8	4526.6	5115.4
40°	5170.9	5245.6	5192.2	4538.5	3919.3	3546.1	3517.3	3840.5	4162.0	4688.0	5489.9
42.5°	5454.2	5535.1	5420.9	4660.9	4133.6	3869.6	3918.9	4251.9	4433.8	4886.7	5812.6
45°	5682.5	5765.0	5612.7	4780.0	4359.5	4262.2	4410.4	4707.7	4760.7	5054.7	6030.7
47.5°	5848.4	5926.4	5745.7	4899.0	4648.6	4742.2	5000.5	5185.6	5055.9	5200.4	6185.5
50°	5954.3	6015.1	5784.7	5048.1	5028.0	5302.3	5615.1	5705.5	5333.9	5331.8	6373.5
52.5°	6021.6	6049.2	5813.5	5203.7	5423.8	5912.0	6217.1	6245.4	5620.1	5476.4	6626.9
55°	6253.6	6275.8	6017.1	5392.2	5751.1	6446.2	6761.6	6735.3	5944.0	5759.3	6925.8
57.5°	6649.5	6672.9	6438.0	5663.2	6015.9	6776.4	7156.2	7203.4	6323.9	6156.7	7246.1
60°	6848.2	6891.7	6808.0	6006.5	6272.5	6987.4	7425.1	7575.8	6798.5	6680.7	7556.5
62.5°	6668.0	6731.2	6852.7	6387.1	6527.5	7103.6	7508.9	7709.3	7284.7	7291.3	7747.9
65°	6308.3	6358.8	6564.9	6595.7	6675.3	7089.2	7301.9	7522.9	7582.4	7852.2	7737.6
67.5°	5873.8	5892.7	6067.6	6612.1	6461.0	6657.3	6680.3	6843.7	7347.1	8050.9	7426.8
70°	5248.5	5258.7	5411.5	6062.3	5552.3	5595.4	5561.4	5594.6	6316.5	7566.8	6642.1
72.5°	4224.0	4249.9	4467.1	5034.5	4045.0	3920.5	4188.3	4173.5	4864.5	6392.8	4933.1
75°	3110.0	3154.7	3482.8	4055.2	2839.0	2568.0	2763.4	2815.6	3458.2	4945.0	3084.9
77.5°	2177.5	2210.7	2528.6	2981.1	2054.7	1836.3	1765.6	1827.6	2282.6	3577.3	1554.2
80°	1254.4	1266.7	1469.6	1721.3	1384.6	1584.1	1435.1	1477.8	1367.8	1591.5	668.5
82.5°	820.8	822.9	902.1	1024.5	862.3	1001.9	741.6	948.1	841.3	639.3	217.6
85°	443.5	445.9	523.1	727.2	488.2	275.9	162.2	333.0	520.2	146.6	59.5
87.5°	48.9	44.8	157.7	264.4	135.5	25.0	8.6	37.4	83.4	9.4	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°	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0
2.5°	3109.6	3075.5	2990.5	2900.6	2828.3	2760.6	2692.4	2609.0	2544.6	2531.4	2510.1
5°	3043.1	2935.1	2756.9	2577.8	2433.7	2251.8	2136.4	2046.5	1958.6	1953.3	1935.6
7.5°	2810.7	2668.6	2417.7	2170.1	1967.2	1794.0	1619.0	1502.0	1410.0	1377.6	1358.3
10°	2587.3	2427.5	2114.2	1831.7	1650.7	1497.5	1374.3	1252.0	1141.1	1064.7	1030.2
12.5°	2431.2	2254.7	1909.4	1665.9	1536.1	1390.7	1240.5	1087.7	960.0	868.0	811.8
15°	2370.9	2182.4	1840.8	1600.2	1440.0	1256.1	1063.9	889.4	747.7	664.4	613.9
17.5°	2442.7	2223.5	1835.4	1520.1	1296.3	1067.6	855.3	649.2	515.7	452.5	420.1
20°	2625.1	2354.0	1833.4	1422.0	1125.5	844.2	579.4	427.0	346.1	310.8	295.6
22.5°	2882.9	2520.8	1849.8	1325.1	947.7	603.2	399.9	313.7	272.2	253.3	244.7
25°	3214.7	2754.8	1896.2	1237.2	780.6	450.0	311.7	262.8	233.6	218.9	212.7
27.5°	3568.2	3024.2	1968.5	1160.8	644.7	358.9	266.9	225.0	204.1	193.8	188.1
30°	3859.8	3336.2	2041.6	1075.8	546.1	312.9	244.3	205.3	181.1	174.5	169.2
32.5°	4114.8	3572.3	2093.3	999.0	481.6	278.0	220.9	183.5	167.1	154.4	148.6
35°	4378.8	3769.0	2091.7	945.2	437.3	251.7	201.2	164.2	144.5	129.8	125.2
37.5°	4664.6	3991.2	2055.9	899.2	418.0	230.8	190.1	154.0	134.3	119.5	113.7
40°	4999.2	4224.4	2019.4	856.1	412.7	213.9	182.3	145.8	124.8	110.5	104.7
42.5°	5325.2	4434.6	1987.4	824.1	389.7	213.5	175.3	139.6	117.4	103.5	96.9
45°	5586.0	4630.5	1981.2	804.8	365.4	220.9	171.6	135.5	111.7	97.7	91.6
47.5°	5802.8	4843.2	2020.6	791.3	342.5	201.6	180.7	132.6	106.3	92.8	85.8
50°	6060.7	5104.3	2113.4	769.1	318.2	181.5	206.9	133.4	101.8	87.9	80.5
52.5°	6420.4	5465.7	2249.8	731.7	285.0	163.0	203.7	134.3	96.9	82.5	75.1
55°	6823.6	5916.9	2396.3	669.7	238.6	138.8	174.5	128.5	87.5	76.8	69.8
57.5°	7247.3	6326.3	2483.4	595.8	189.7	119.9	139.6	117.0	77.2	69.0	64.5
60°	7313.9	6481.9	2443.6	505.1	150.7	104.3	103.5	119.1	69.0	60.8	57.5
62.5°	7148.4	6286.5	2251.0	424.2	126.1	91.6	85.0	103.9	62.4	54.2	50.9
65°	6830.1	5758.0	1938.9	382.3	117.0	78.4	70.6	73.1	54.6	47.2	44.3
67.5°	6387.5	5052.6	1591.9	358.5	115.8	67.3	60.4	55.4	47.2	41.1	38.6
70°	5482.5	4209.2	1270.0	345.3	112.5	56.7	50.9	45.2	39.4	34.9	32.8
72.5°	4035.1	2982.7	987.9	331.0	113.3	45.2	44.3	37.4	31.6	27.1	26.3
75°	2331.5	1704.0	647.9	268.1	108.0	34.9	37.0	26.3	22.2	18.9	18.9
77.5°	1242.5	1039.3	246.8	111.7	39.4	22.2	20.9	15.6	14.0	11.5	11.1
80°	541.6	457.4	74.3	31.2	21.8	11.9	7.8	7.0	6.2	4.9	4.5
82.5°	191.8	165.5	24.2	15.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	43.5	31.2	0.0	3.7	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°	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0
2.5°	2466.6	2457.5	2404.1	2406.2	2415.6	2429.2	2397.2	2411.9	2451.8	2490.0	2504.3
5°	1907.3	1909.4	1876.9	1897.0	1915.1	1927.4	1875.7	1876.5	1908.1	1951.2	1973.8
7.5°	1343.9	1340.7	1342.3	1390.3	1424.4	1399.8	1419.1	1352.2	1356.3	1387.1	1364.1
10°	999.0	953.9	928.4	964.5	1001.9	988.3	955.1	933.3	948.5	982.6	980.1
12.5°	785.1	720.2	682.0	656.2	687.0	661.5	660.7	641.8	621.3	625.0	679.6
15°	590.5	543.2	498.1	456.6	455.8	447.2	403.2	353.9	349.8	352.3	380.6
17.5°	406.1	390.1	371.6	335.9	326.4	290.3	247.6	227.9	218.0	222.6	232.0
20°	285.4	279.2	281.3	262.0	248.4	213.9	188.9	181.1	179.4	184.0	188.5
22.5°	236.5	225.4	224.2	215.6	202.0	177.0	163.4	158.9	156.9	161.0	164.2
25°	206.9	195.9	191.3	186.0	171.6	154.4	146.2	142.1	140.0	142.5	144.5
27.5°	182.3	172.0	167.9	164.2	150.3	138.0	131.4	127.7	126.1	126.9	128.9
30°	163.8	154.8	149.5	144.9	133.0	124.4	118.7	115.0	113.3	113.3	115.4
32.5°	144.5	139.6	134.7	128.9	117.8	112.1	106.3	102.2	100.6	101.0	102.7
35°	120.3	118.7	119.9	114.6	105.1	100.2	94.4	89.9	88.7	89.1	90.7
37.5°	106.8	99.4	103.9	101.0	95.7	89.1	81.7	77.6	75.6	76.8	77.6
40°	98.1	89.1	85.8	88.7	87.9	77.2	70.6	66.5	64.9	65.3	66.1
42.5°	90.7	80.1	72.7	72.3	77.2	67.3	60.4	56.7	54.6	54.6	55.4
45°	83.8	72.3	63.2	56.3	64.9	57.1	50.5	47.2	44.8	44.8	45.2
47.5°	78.4	65.7	55.0	46.0	48.9	46.8	41.5	38.2	35.7	35.7	36.1
50°	73.5	59.1	47.6	38.6	36.5	38.6	33.7	30.0	28.3	27.9	28.7
52.5°	68.2	52.6	40.7	32.8	28.7	29.2	26.3	23.8	21.8	21.8	22.6
55°	62.8	47.2	35.3	27.9	23.8	21.8	20.9	19.3	17.7	17.7	18.5
57.5°	57.5	41.5	30.0	23.0	18.9	17.2	17.2	16.0	14.8	14.8	15.6
60°	52.6	35.7	24.6	18.9	14.8	14.4	14.8	13.6	12.7	12.7	13.6
62.5°	46.8	30.4	20.1	15.6	11.9	11.5	12.7	11.9	11.1	11.1	11.9
65°	39.8	25.9	16.0	11.9	9.0	9.0	10.7	9.9	9.0	9.0	9.9
67.5°	33.7	21.8	12.3	8.6	6.6	7.0	9.0	8.2	7.8	7.8	8.6
70°	27.9	16.8	8.6	5.3	3.7	5.3	7.0	7.0	7.0	7.0	7.8
72.5°	20.9	11.5	4.9	2.1	1.6	3.7	5.7	6.6	6.2	6.2	7.4
75°	13.6	6.6	1.6	0.0	0.0	2.1	4.5	5.3	5.3	4.9	6.2
77.5°	7.8	2.1	0.0	0.0	0.0	0.0	2.9	2.5	2.1	1.6	2.9
80°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0	2908.0
2.5°	2562.2	2610.7	2678.8	2751.1	2862.4	2950.7	3037.3	3111.6	3140.4	3152.3
5°	2028.0	2099.1	2198.8	2326.9	2527.7	2708.4	2891.5	3075.9	3156.0	3176.1
7.5°	1455.2	1546.0	1672.8	1833.4	2068.7	2302.7	2558.5	2829.1	2953.1	2984.3
10°	1077.0	1187.9	1333.3	1502.4	1727.0	1967.7	2246.5	2555.7	2697.3	2738.8
12.5°	764.2	914.0	1108.7	1314.4	1509.0	1723.8	2005.8	2346.7	2495.3	2540.1
15°	448.8	593.7	824.1	1099.6	1348.9	1566.5	1853.1	2239.5	2403.3	2448.5
17.5°	257.5	329.7	503.8	811.0	1149.3	1450.7	1805.1	2266.2	2459.2	2501.0
20°	196.7	219.7	290.3	522.3	916.1	1337.0	1805.1	2417.3	2655.0	2716.6
22.5°	172.0	188.9	217.6	311.7	674.2	1215.0	1826.0	2635.7	2946.6	3014.7
25°	152.7	167.9	192.6	234.5	459.9	1070.1	1875.7	2903.9	3289.8	3378.1
27.5°	136.7	151.1	173.3	205.3	314.5	895.1	1942.6	3218.4	3668.4	3739.0
30°	122.4	135.9	156.0	178.6	242.7	696.8	1999.7	3514.9	3965.7	4041.7
32.5°	108.8	121.1	139.2	156.0	198.7	515.3	2005.8	3749.7	4212.5	4288.0
35°	96.1	107.2	123.6	136.7	164.7	406.9	1910.2	3953.4	4459.3	4559.0
37.5°	83.8	94.4	108.8	118.7	144.9	331.8	1764.0	4180.5	4775.8	4868.2
40°	72.3	81.7	96.5	103.1	137.1	255.0	1605.1	4418.6	5086.3	5170.9
42.5°	61.6	70.6	85.0	97.7	120.3	190.5	1433.5	4642.0	5365.5	5454.2
45°	51.3	60.8	75.1	103.5	99.8	142.5	1249.9	4790.2	5586.0	5682.5
47.5°	41.5	52.1	71.9	98.5	79.7	104.7	1104.6	4930.6	5753.1	5848.4
50°	33.3	43.9	80.9	87.9	65.3	80.1	1043.8	5056.3	5862.7	5954.3
52.5°	27.1	37.0	76.4	67.3	54.6	66.1	1076.6	5260.0	5964.2	6021.6
55°	22.6	29.2	46.0	46.8	46.4	56.3	1117.3	5552.3	6226.5	6253.6
57.5°	19.7	23.4	32.0	36.1	39.0	50.1	1118.1	5972.0	6632.6	6649.5
60°	16.8	20.5	26.7	29.2	33.7	44.8	1077.5	6118.6	6792.4	6848.2
62.5°	14.8	18.1	22.2	24.2	28.3	40.2	982.2	5906.3	6573.1	6668.0
65°	13.1	16.4	18.5	20.5	25.0	36.1	825.3	5481.7	6209.3	6308.3
67.5°	11.5	14.4	16.4	18.5	22.6	32.0	607.7	4988.5	5791.7	5873.8
70°	10.3	12.7	14.8	16.4	19.7	27.1	368.7	4233.0	5214.4	5248.5
72.5°	9.9	11.5	13.6	14.8	17.2	23.8	186.8	3110.8	4168.5	4224.0
75°	8.6	10.3	12.3	13.1	15.2	20.5	76.0	2043.2	3020.9	3110.0
77.5°	7.0	9.4	11.1	11.9	13.1	16.8	38.6	1305.8	2120.0	2177.5
80°	2.5	7.0	9.4	9.9	11.1	12.3	25.5	714.9	1229.8	1254.4
82.5°	0.0	4.5	7.4	7.0	7.8	9.4	16.4	340.0	811.8	820.8
85°	0.0	2.1	5.7	4.5	3.3	6.6	5.7	74.3	425.8	443.5
87.5°	0.0	0.0	0.4	2.1	1.6	2.5	0.8	0.4	38.6	48.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)