

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: P324110

Luminaire Tested: **GAN-SA6A-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324110
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-SA6A-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA 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: 18817 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

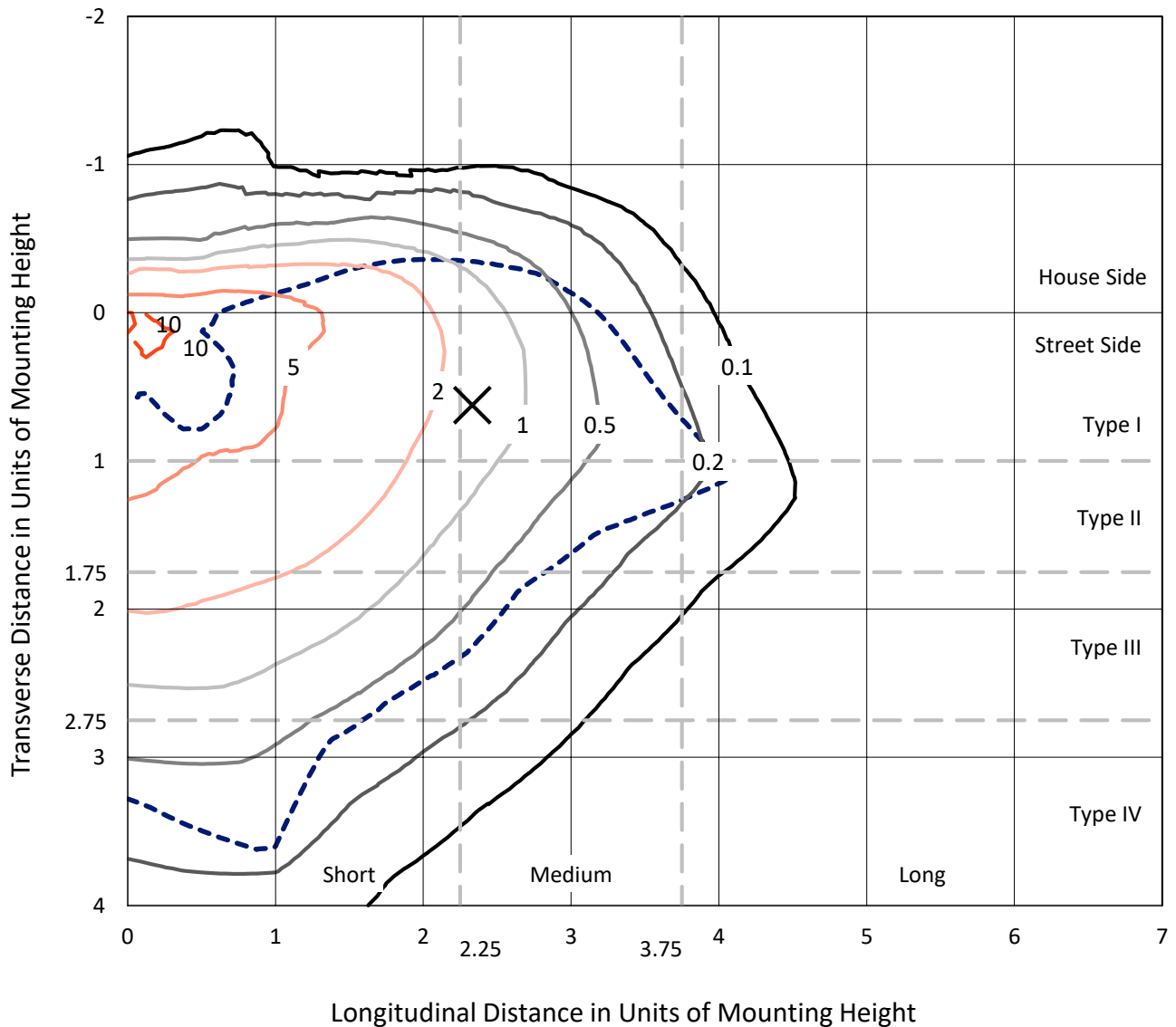
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

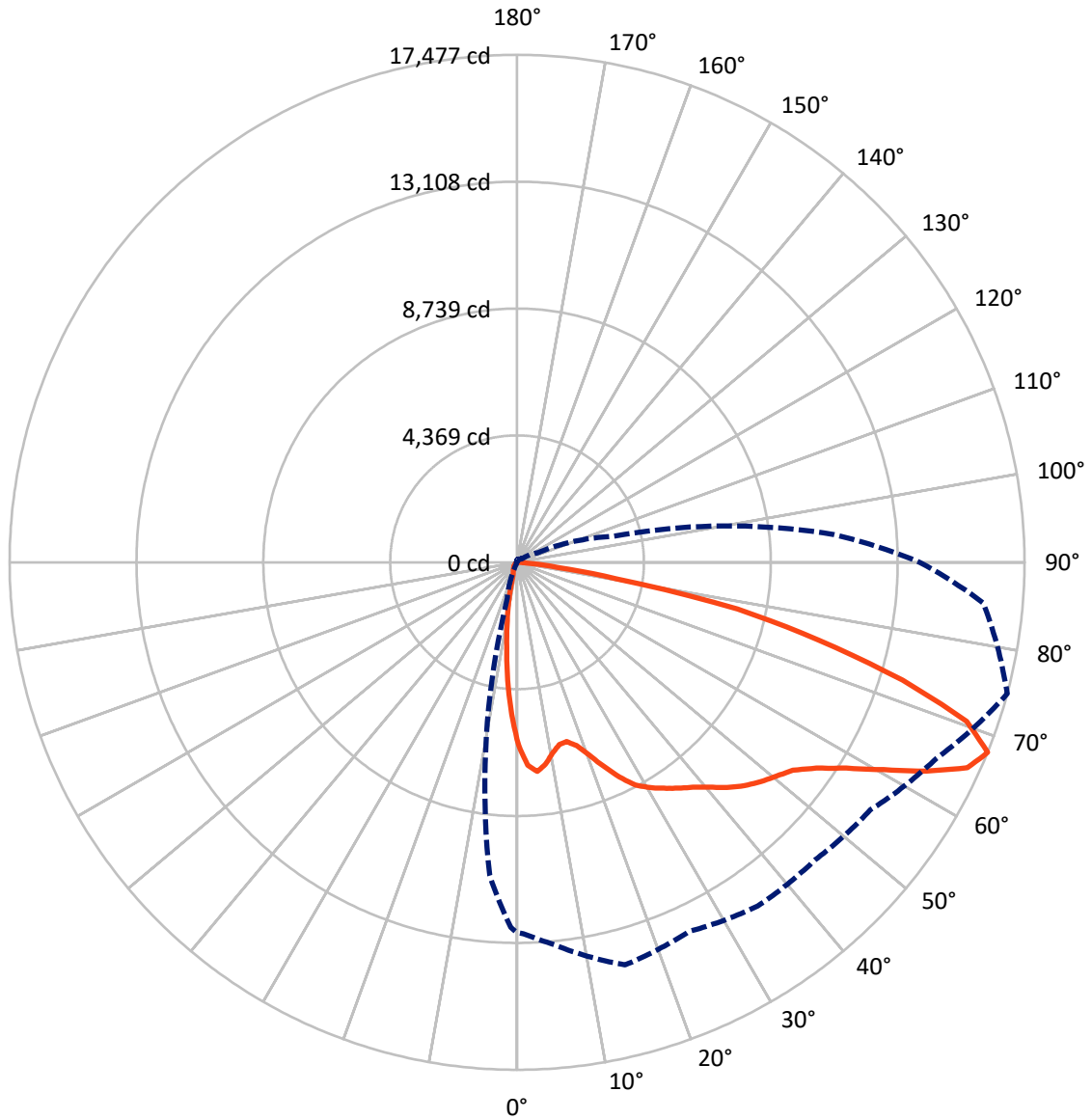
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 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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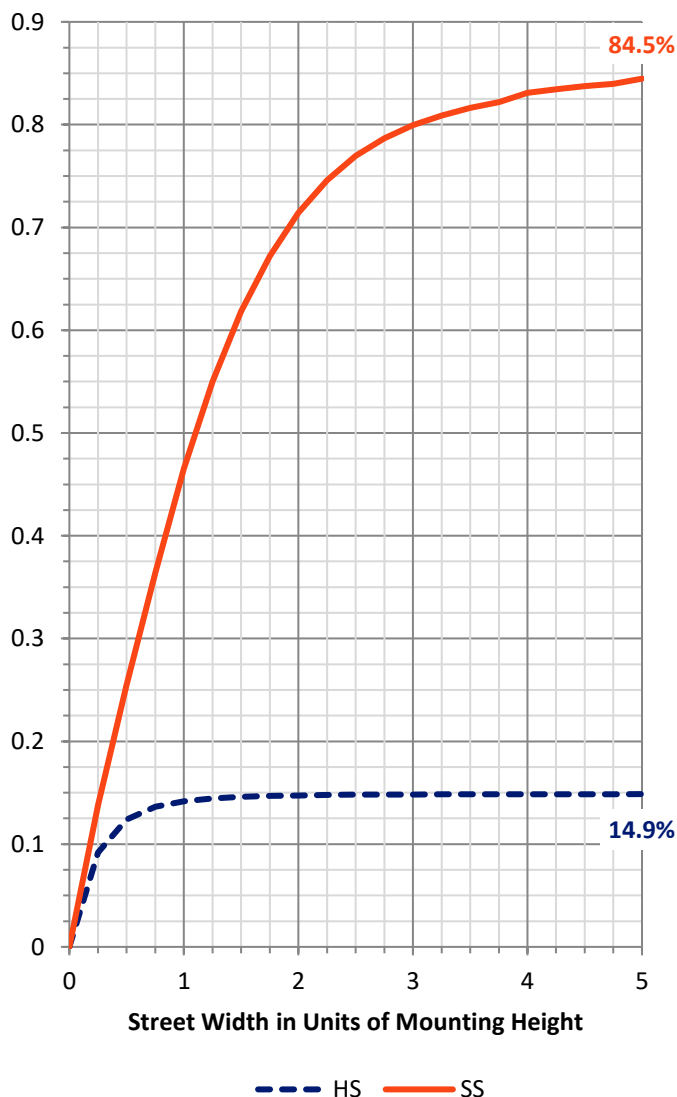
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2823.7	0.0	2823.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	15993.3	0.0	15993.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	18817.0	0.0	18817.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.9	2.5
10°-20°	942.9	5.0
20°-30°	1333.9	7.1
30°-40°	1961.2	10.4
40°-50°	2818.9	15.0
50°-60°	3968.2	21.1
60°-70°	4634.6	24.6
70°-80°	2364.4	12.6
80°-90°	314.1	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°	18817.0	100.0
0°-180°	18817.0	100.0

Coefficient of Utilization



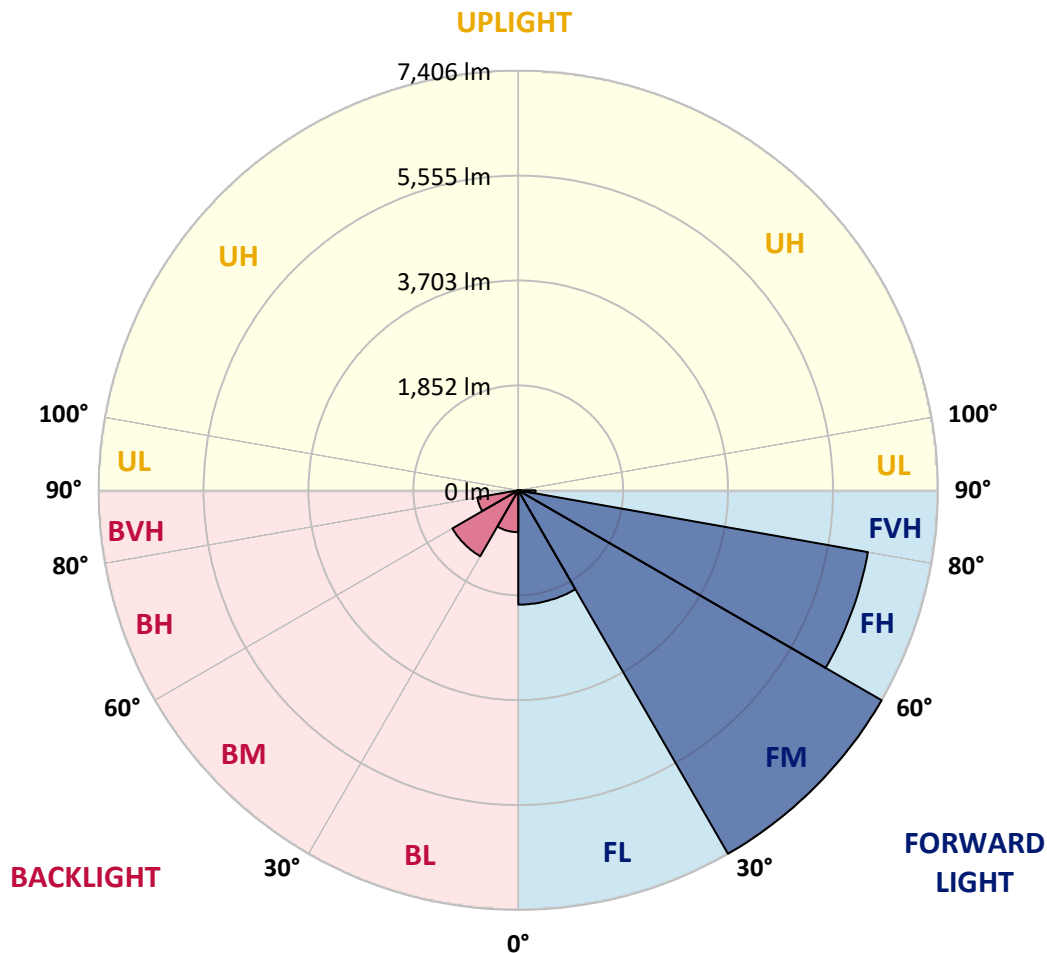
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2017.2	10.7			
FM (30°-60°)	7406.0	39.4			
FH (60°-80°)	6265.5	33.3			G3/7500
FVH (80°-90°)	304.6	1.6			G3/500
BL (0°-30°)	738.4	3.9	B2/1000		
BM (30°-60°)	1342.3	7.1	B2/2500		
BH (60°-80°)	733.4	3.9	B2/1000		G2/1000
BVH (80°-90°)	9.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8
2.5°	6843.2	6853.9	6909.1	7037.5	7177.4	7188.1	7282.6	7185.4	7152.5	6995.6	6833.3
5°	6894.9	6935.9	7125.7	7502.8	7829.9	7935.1	8010.0	7819.2	7618.7	7235.4	6826.2
7.5°	6478.6	6547.2	6845.8	7553.6	8138.3	8396.8	8445.9	8147.3	7656.1	7025.0	6409.9
10°	5945.5	6024.0	6384.1	7254.1	8057.2	8500.2	8568.0	8176.7	7470.7	6684.5	5959.8
12.5°	5514.1	5605.9	5974.1	6917.1	7778.2	8268.5	8402.2	8077.7	7310.2	6442.9	5652.3
15°	5315.3	5420.5	5807.4	6699.6	7468.9	7854.9	7965.4	7825.5	7221.1	6404.6	5581.0
17.5°	5429.4	5543.5	5942.9	6718.4	7178.3	7343.2	7432.4	7489.4	7221.1	6635.5	5789.5
20°	5897.4	6020.4	6442.9	6908.2	6937.6	6876.1	6971.5	7172.1	7304.9	7074.0	6290.5
22.5°	6544.5	6688.9	7165.8	7233.6	6820.0	6587.3	6599.8	6914.5	7457.3	7630.2	6985.8
25°	7333.4	7509.9	7994.8	7718.5	6869.0	6415.3	6410.8	6702.3	7606.2	8187.4	7760.4
27.5°	8116.9	8311.3	8737.3	8310.4	7071.3	6384.1	6375.2	6638.1	7751.5	8683.0	8606.3
30°	8773.9	8962.9	9330.1	8739.1	7289.7	6457.2	6414.4	6706.8	7837.9	9004.8	9223.2
32.5°	9308.7	9460.3	9757.1	9034.2	7523.3	6598.9	6506.2	6890.4	7985.0	9276.6	9790.1
35°	9897.0	10056.6	10175.1	9315.0	7785.3	6803.0	6670.2	7181.9	8211.4	9553.0	10411.4
37.5°	10568.2	10726.9	10712.7	9571.7	8117.8	7140.9	7056.2	7643.6	8563.5	9826.6	11104.9
40°	11225.2	11387.4	11271.6	9852.5	8508.3	7698.0	7635.6	8337.1	9035.1	10176.9	11917.8
42.5°	11840.3	12015.9	11768.1	10118.1	8973.6	8400.4	8507.4	9230.3	9625.2	10608.4	12618.4
45°	12335.9	12515.0	12184.3	10376.6	9463.8	9252.6	9574.4	10219.7	10334.7	10972.9	13091.8
47.5°	12696.0	12865.3	12473.1	10635.1	10091.4	10294.6	10855.3	11257.3	10975.6	11289.4	13427.8
50°	12926.0	13057.9	12557.8	10958.7	10915.0	11510.4	12189.7	12385.8	11579.1	11574.6	13836.1
52.5°	13072.1	13131.9	12620.2	11296.5	11774.3	12834.1	13496.4	13558.0	12200.4	11888.4	14386.0
55°	13575.8	13623.9	13062.3	11705.7	12484.7	13993.8	14678.4	14621.4	12903.7	12502.6	15035.0
57.5°	14435.1	14485.9	13976.0	12294.0	13059.7	14710.5	15535.0	15637.5	13728.2	13365.4	15730.3
60°	14866.5	14961.0	14779.1	13039.2	13616.8	15168.7	16118.9	16446.0	14758.6	14502.8	16404.1
62.5°	14475.2	14612.5	14876.3	13865.5	14170.3	15420.9	16300.7	16735.7	15814.0	15828.3	16819.5
65°	13694.3	13804.0	14251.4	14318.3	14491.2	15389.7	15851.5	16331.0	16460.3	17045.9	16797.2
67.5°	12751.2	12792.3	13172.0	14354.0	14025.9	14452.0	14501.9	14856.7	15949.5	17477.4	16122.5
70°	11393.7	11416.0	11747.6	13160.4	12053.3	12146.9	12072.9	12145.1	13712.2	16426.4	14419.0
72.5°	9169.7	9225.8	9697.4	10929.3	8781.0	8510.9	9092.1	9060.0	10560.2	13878.0	10709.1
75°	6751.3	6848.5	7560.7	8803.3	6163.0	5574.7	5999.0	6112.2	7507.2	10734.9	6697.0
77.5°	4727.0	4799.2	5489.1	6471.4	4460.5	3986.3	3833.0	3967.6	4955.2	7765.7	3373.9
80°	2723.2	2749.9	3190.3	3736.7	3005.7	3439.0	3115.4	3208.1	2969.2	3455.0	1451.2
82.5°	1781.9	1786.3	1958.4	2224.0	1871.9	2175.0	1609.8	2058.2	1826.4	1387.9	472.4
85°	962.7	968.0	1135.6	1578.6	1059.9	599.0	352.1	722.9	1129.4	318.2	129.3
87.5°	106.1	97.2	342.3	574.1	294.2	54.4	18.7	81.1	181.0	20.5	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°	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8
2.5°	6750.5	6676.5	6491.9	6296.7	6139.9	5992.8	5844.8	5663.9	5523.9	5495.4	5449.0
5°	6606.0	6371.6	5984.8	5596.1	5283.2	4888.4	4637.9	4442.7	4251.9	4240.3	4202.0
7.5°	6101.5	5793.1	5248.5	4711.0	4270.6	3894.5	3514.7	3260.7	3061.0	2990.6	2948.7
10°	5616.6	5269.9	4589.7	3976.5	3583.4	3250.9	2983.5	2717.8	2477.2	2311.4	2236.5
12.5°	5277.9	4894.6	4144.9	3616.3	3334.7	3019.1	2692.9	2361.3	2084.1	1884.4	1762.3
15°	5146.9	4737.7	3996.1	3473.7	3126.1	2726.7	2309.6	1930.7	1623.2	1442.3	1332.6
17.5°	5302.8	4826.8	3984.5	3299.9	2814.1	2317.6	1856.8	1409.3	1119.6	982.3	911.9
20°	5698.6	5110.3	3980.0	3086.9	2443.3	1832.7	1257.7	927.0	751.4	674.8	641.8
22.5°	6258.4	5472.2	4015.7	2876.5	2057.3	1309.4	868.2	681.0	591.0	550.0	531.3
25°	6978.6	5980.3	4116.4	2685.7	1694.5	977.0	676.6	570.5	507.2	475.1	461.7
27.5°	7746.1	6565.0	4273.3	2519.9	1399.5	779.1	579.4	488.5	443.0	420.7	408.3
30°	8379.0	7242.5	4432.0	2335.4	1185.5	679.2	530.4	445.7	393.1	378.8	367.3
32.5°	8932.6	7755.0	4544.3	2168.7	1045.6	603.5	479.6	398.4	362.8	335.2	322.7
35°	9505.7	8182.0	4540.7	2052.0	949.3	546.4	436.8	356.6	313.8	281.7	271.9
37.5°	10126.1	8664.3	4463.2	1952.1	907.4	501.0	412.7	334.3	291.5	259.4	246.9
40°	10852.6	9170.6	4383.8	1858.5	895.8	464.4	395.8	316.4	271.0	239.8	227.3
42.5°	11560.4	9626.9	4314.3	1789.0	845.9	463.5	380.6	303.1	254.9	224.6	210.4
45°	12126.4	10052.1	4300.9	1747.1	793.3	479.6	372.6	294.2	242.5	212.1	198.8
47.5°	12597.0	10513.9	4386.5	1717.7	743.4	437.7	392.2	287.9	230.9	201.5	186.3
50°	13156.8	11080.8	4588.0	1669.6	690.8	394.0	449.3	289.7	221.1	190.8	174.7
52.5°	13937.7	11865.2	4883.9	1588.4	618.6	353.9	442.1	291.5	210.4	179.2	163.1
55°	14813.0	12844.8	5202.1	1453.8	517.9	301.3	378.8	279.0	189.9	166.7	151.5
57.5°	15732.9	13733.6	5391.1	1293.4	411.8	260.3	303.1	254.0	167.6	149.8	139.9
60°	15877.3	14071.4	5304.6	1096.4	327.1	226.4	224.6	258.5	149.8	131.9	124.8
62.5°	15518.1	13647.1	4886.6	920.8	273.7	198.8	184.5	225.5	135.5	117.7	110.5
65°	14827.3	12499.9	4209.1	829.9	254.0	170.3	153.3	158.7	118.6	102.5	96.3
67.5°	13866.4	10968.5	3455.9	778.2	251.4	146.2	131.0	120.3	102.5	89.1	83.8
70°	11901.8	9137.6	2757.1	749.7	244.2	123.0	110.5	98.1	85.6	75.8	71.3
72.5°	8759.6	6475.0	2144.7	718.5	246.0	98.1	96.3	81.1	68.6	58.8	57.0
75°	5061.3	3699.2	1406.6	582.1	234.4	75.8	80.2	57.0	48.1	41.0	41.0
77.5°	2697.3	2256.1	535.7	242.5	85.6	48.1	45.5	33.9	30.3	25.0	24.1
80°	1175.7	993.0	161.3	67.7	47.2	25.9	16.9	15.2	13.4	10.7	9.8
82.5°	416.3	359.2	52.6	33.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	94.5	67.7	0.0	8.0	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°	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8
2.5°	5354.5	5334.9	5219.1	5223.5	5244.0	5273.4	5203.9	5236.0	5322.5	5405.4	5436.6
5°	4140.5	4144.9	4074.5	4118.2	4157.4	4184.2	4071.8	4073.6	4142.3	4235.9	4284.9
7.5°	2917.5	2910.4	2913.9	3018.2	3092.2	3038.7	3080.6	2935.3	2944.2	3011.1	2961.2
10°	2168.7	2070.7	2015.4	2093.9	2175.0	2145.6	2073.4	2026.1	2059.1	2133.1	2127.7
12.5°	1704.3	1563.5	1480.6	1424.4	1491.3	1436.0	1434.2	1393.2	1348.7	1356.7	1475.2
15°	1281.8	1179.3	1081.2	991.2	989.4	970.7	875.3	768.4	759.5	764.8	826.3
17.5°	881.6	846.8	806.7	729.2	708.7	630.2	537.5	494.7	473.3	483.1	503.6
20°	619.5	606.1	610.6	568.7	539.3	464.4	410.0	393.1	389.5	399.3	409.1
22.5°	513.4	489.4	486.7	468.0	438.6	384.2	354.8	345.0	340.5	349.4	356.6
25°	449.3	425.2	415.4	403.8	372.6	335.2	317.3	308.4	304.0	309.3	313.8
27.5°	395.8	373.5	364.6	356.6	326.2	299.5	285.2	277.2	273.7	275.4	279.9
30°	355.7	336.1	324.5	314.7	288.8	270.1	257.6	249.6	246.0	246.0	250.5
32.5°	313.8	303.1	292.4	279.9	255.8	243.3	230.9	222.0	218.4	219.3	222.8
35°	261.2	257.6	260.3	248.7	228.2	217.5	205.0	195.2	192.5	193.4	197.0
37.5°	231.8	215.7	225.5	219.3	207.7	193.4	177.4	168.5	164.0	166.7	168.5
40°	213.0	193.4	186.3	192.5	190.8	167.6	153.3	144.4	140.8	141.7	143.5
42.5°	197.0	173.8	157.8	156.9	167.6	146.2	131.0	123.0	118.6	118.6	120.3
45°	181.8	156.9	137.3	122.1	140.8	123.9	109.6	102.5	97.2	97.2	98.1
47.5°	170.3	142.6	119.4	99.8	106.1	101.6	90.0	82.9	77.6	77.6	78.4
50°	159.6	128.4	103.4	83.8	79.3	83.8	73.1	65.1	61.5	60.6	62.4
52.5°	148.0	114.1	88.2	71.3	62.4	63.3	57.0	51.7	47.2	47.2	49.0
55°	136.4	102.5	76.7	60.6	51.7	47.2	45.5	41.9	38.3	38.3	40.1
57.5°	124.8	90.0	65.1	49.9	41.0	37.4	37.4	34.8	32.1	32.1	33.9
60°	114.1	77.6	53.5	41.0	32.1	31.2	32.1	29.4	27.6	27.6	29.4
62.5°	101.6	66.0	43.7	33.9	25.9	25.0	27.6	25.9	24.1	24.1	25.9
65°	86.5	56.2	34.8	25.9	19.6	19.6	23.2	21.4	19.6	19.6	21.4
67.5°	73.1	47.2	26.7	18.7	14.3	15.2	19.6	17.8	16.9	16.9	18.7
70°	60.6	36.5	18.7	11.6	8.0	11.6	15.2	15.2	15.2	15.2	16.9
72.5°	45.5	25.0	10.7	4.5	3.6	8.0	12.5	14.3	13.4	13.4	16.0
75°	29.4	14.3	3.6	0.0	0.0	4.5	9.8	11.6	11.6	10.7	13.4
77.5°	16.9	4.5	0.0	0.0	0.0	0.0	6.2	5.3	4.5	3.6	6.2
80°	4.5	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°	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8	6312.8
2.5°	5562.2	5667.4	5815.4	5972.3	6213.8	6405.5	6593.6	6754.9	6817.3	6843.2
5°	4402.5	4556.8	4773.4	5051.5	5487.4	5879.6	6277.1	6677.4	6851.2	6894.9
7.5°	3159.1	3356.1	3631.5	3980.0	4490.8	4998.9	5554.2	6141.6	6410.8	6478.6
10°	2338.1	2578.8	2894.3	3261.6	3749.2	4271.5	4876.8	5548.0	5855.5	5945.5
12.5°	1658.9	1984.2	2406.7	2853.3	3275.8	3742.0	4354.4	5094.3	5416.9	5514.1
15°	974.3	1288.9	1789.0	2387.1	2928.2	3400.6	4022.8	4861.6	5217.3	5315.3
17.5°	558.9	715.8	1093.7	1760.5	2495.0	3149.3	3918.5	4919.5	5338.5	5429.4
20°	427.0	476.9	630.2	1133.8	1988.7	2902.3	3918.5	5247.6	5763.7	5897.4
22.5°	373.5	410.0	472.4	676.6	1463.7	2637.6	3964.0	5721.8	6396.6	6544.5
25°	331.6	364.6	418.1	509.0	998.4	2322.9	4071.8	6303.9	7141.8	7333.4
27.5°	296.8	328.0	376.2	445.7	682.8	1943.2	4217.1	6986.7	7963.6	8116.9
30°	265.6	295.0	338.7	387.8	526.8	1512.7	4341.0	7630.2	8609.0	8773.9
32.5°	236.2	263.0	302.2	338.7	431.4	1118.7	4354.4	8140.1	9144.7	9308.7
35°	208.6	232.7	268.3	296.8	357.4	883.4	4146.7	8582.2	9680.4	9897.0
37.5°	181.8	205.0	236.2	257.6	314.7	720.2	3829.4	9075.2	10367.7	10568.2
40°	156.9	177.4	209.5	223.7	297.7	553.5	3484.4	9592.2	11041.6	11225.2
42.5°	133.7	153.3	184.5	212.1	261.2	413.6	3111.8	10077.1	11647.7	11840.3
45°	111.4	131.9	163.1	224.6	216.6	309.3	2713.4	10398.9	12126.4	12335.9
47.5°	90.0	113.2	156.0	213.9	172.9	227.3	2397.8	10703.7	12489.2	12696.0
50°	72.2	95.4	175.6	190.8	141.7	173.8	2265.9	10976.5	12727.2	12926.0
52.5°	58.8	80.2	165.8	146.2	118.6	143.5	2337.2	11418.6	12947.4	13072.1
55°	49.0	63.3	99.8	101.6	100.7	122.1	2425.5	12053.3	13516.9	13575.8
57.5°	42.8	50.8	69.5	78.4	84.7	108.7	2427.2	12964.3	14398.5	14435.1
60°	36.5	44.6	57.9	63.3	73.1	97.2	2339.0	13282.5	14745.3	14866.5
62.5°	32.1	39.2	48.1	52.6	61.5	87.4	2132.2	12821.7	14269.3	14475.2
65°	28.5	35.7	40.1	44.6	54.4	78.4	1791.7	11900.0	13479.5	13694.3
67.5°	25.0	31.2	35.7	40.1	49.0	69.5	1319.2	10829.4	12573.0	12751.2
70°	22.3	27.6	32.1	35.7	42.8	58.8	800.5	9189.3	11319.7	11393.7
72.5°	21.4	25.0	29.4	32.1	37.4	51.7	405.6	6753.1	9049.3	9169.7
75°	18.7	22.3	26.7	28.5	33.0	44.6	164.9	4435.5	6557.9	6751.3
77.5°	15.2	20.5	24.1	25.9	28.5	36.5	83.8	2834.6	4602.2	4727.0
80°	5.3	15.2	20.5	21.4	24.1	26.7	55.3	1551.9	2669.7	2723.2
82.5°	0.0	9.8	16.0	15.2	16.9	20.5	35.7	738.1	1762.3	1781.9
85°	0.0	4.5	12.5	9.8	7.1	14.3	12.5	161.3	924.4	962.7
87.5°	0.0	0.0	0.9	4.5	3.6	5.3	1.8	0.9	83.8	106.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)