

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: P324512

Luminaire Tested: **GAN-SA8A-750-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324512
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-SA8A-750-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 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: 27685 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G4

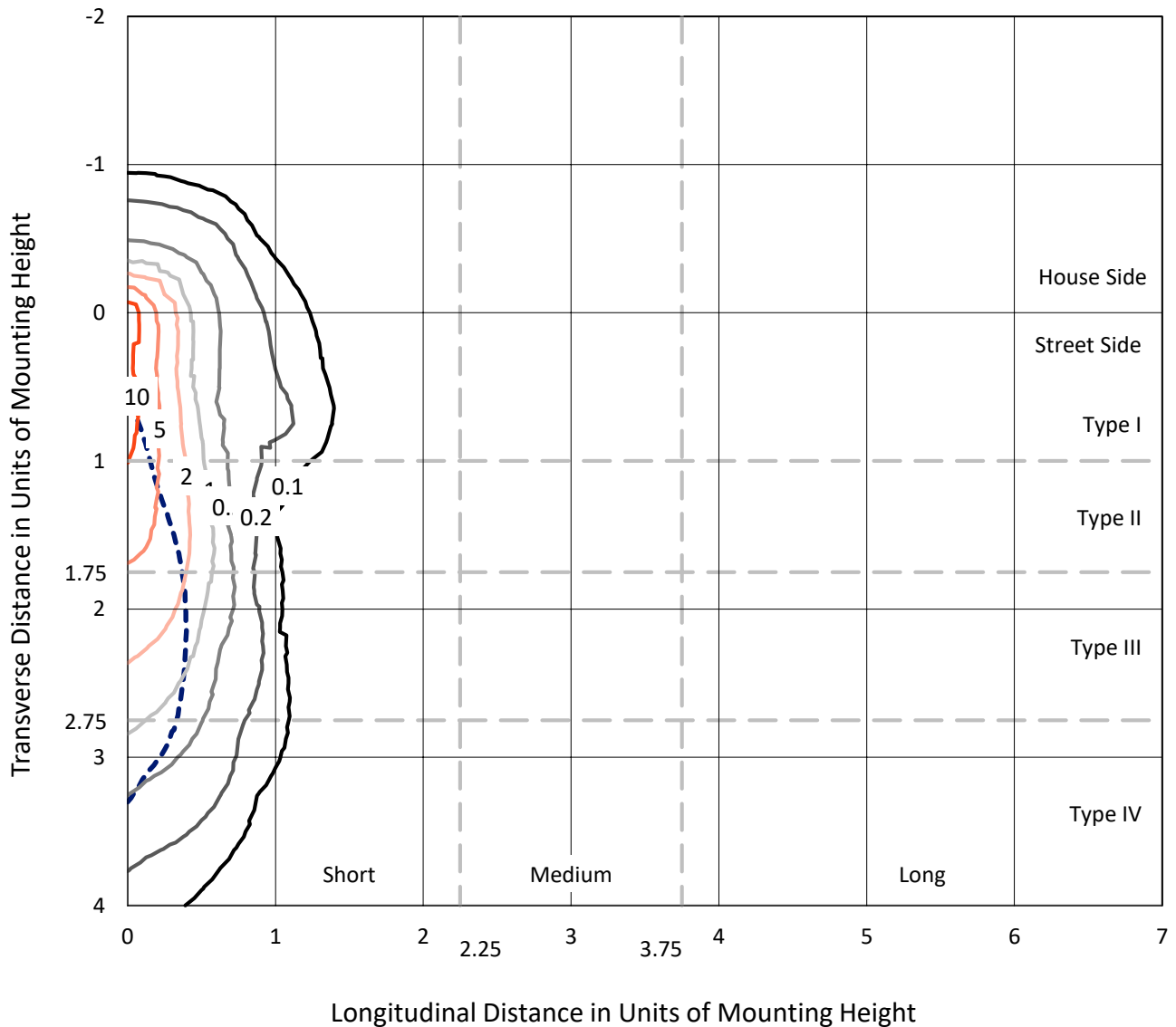
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

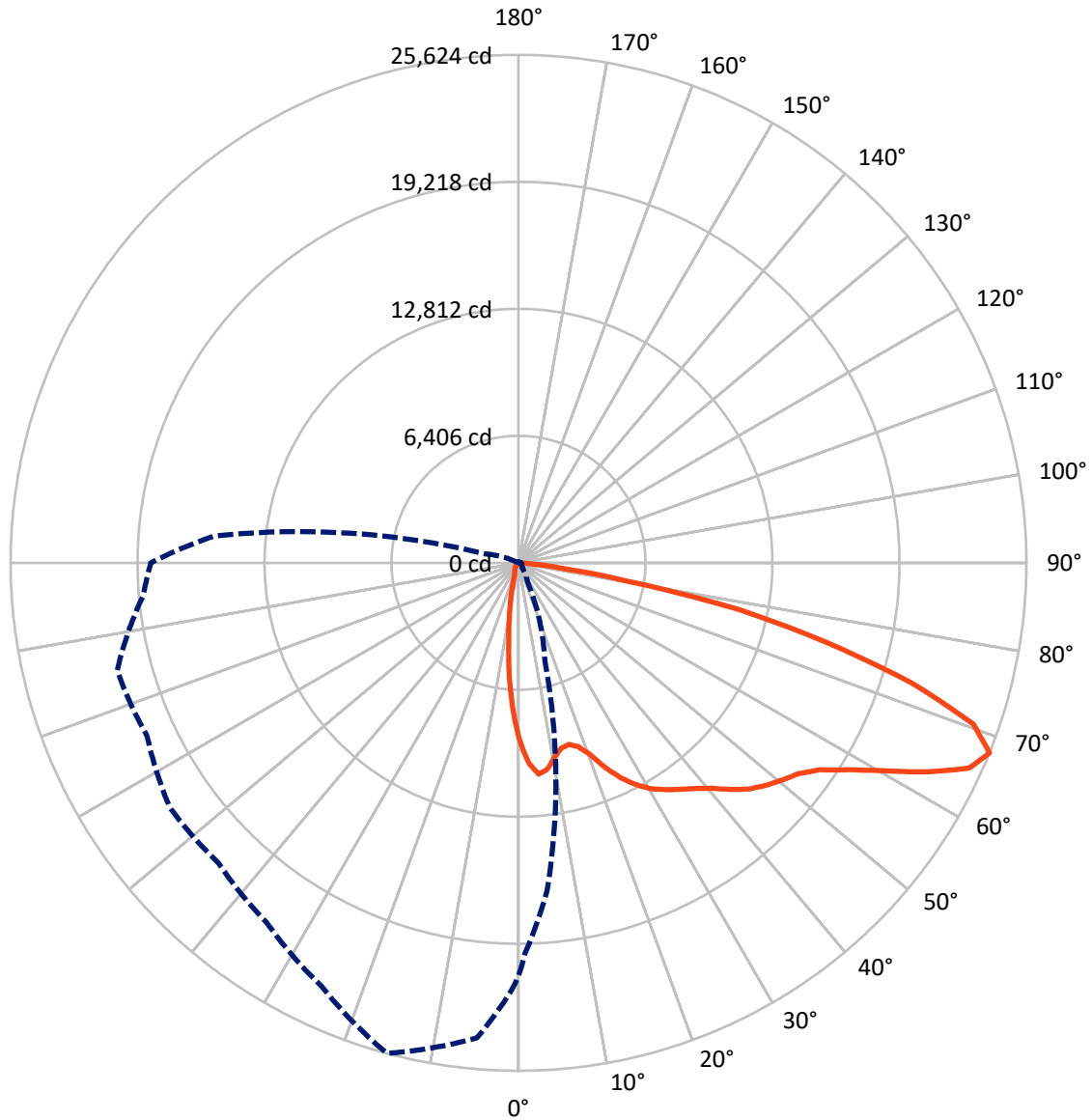
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 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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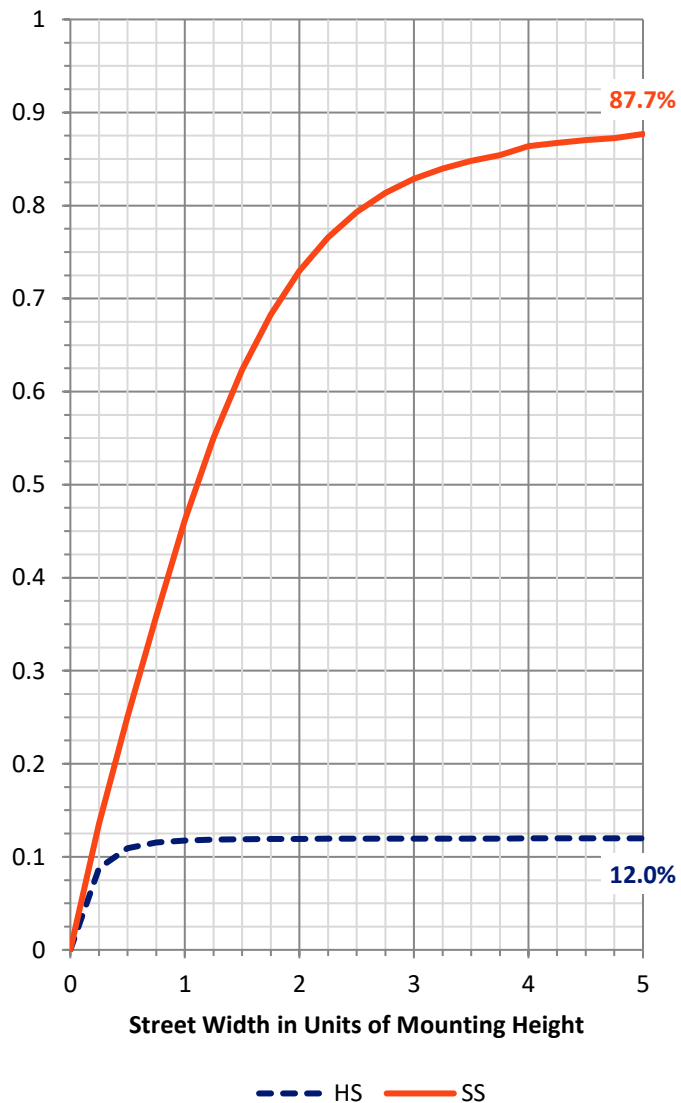
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3350.8	0.0	3350.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	24334.2	0.0	24334.2
	% Fixture	87.9	0.0	87.9
Total	Lumens	27685.0	0.0	27685.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.1	2.5
10°-20°	1377.7	5.0
20°-30°	1956.4	7.1
30°-40°	2889.7	10.4
40°-50°	4167.5	15.1
50°-60°	5850.3	21.1
60°-70°	6819.7	24.6
70°-80°	3486.4	12.6
80°-90°	445.3	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°	27685.0	100.0
0°-180°	27685.0	100.0

Coefficient of Utilization



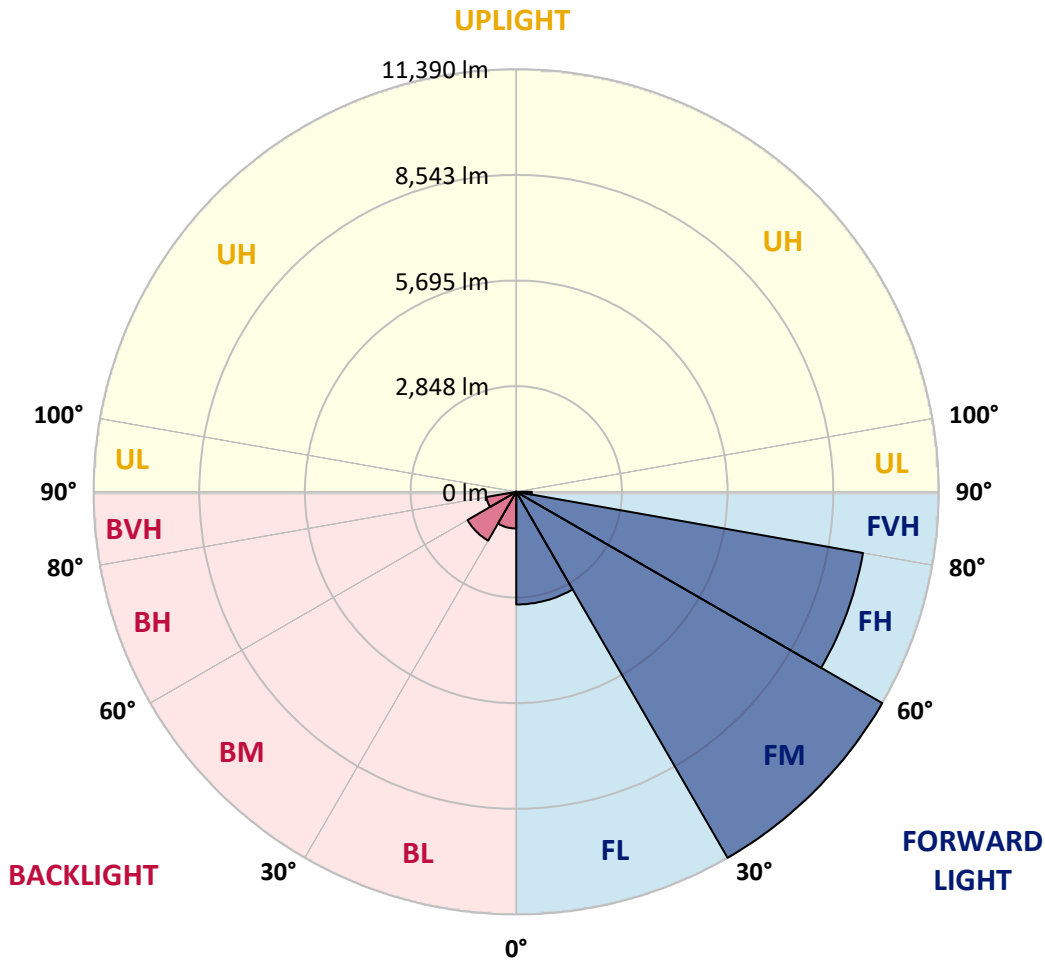
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3036.5	11.0			
FM (30°-60°)	11390.1	41.1			
FH (60°-80°)	9489.4	34.3			G4/12000
FVH (80°-90°)	418.2	1.5			G3/500
BL (0°-30°)	989.7	3.6	B2/1000		
BM (30°-60°)	1517.4	5.5	B2/2500		
BH (60°-80°)	816.7	2.9	B2/1000		G2/1000
BVH (80°-90°)	27.1	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-G4

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3
2.5°	9874.8	9798.7	9714.8	9440.7	9186.2	8895.1	8657.7	8492.4	8285.2	8016.3	7948.1
5°	9804.0	9722.6	9459.0	8849.1	8315.3	7796.0	7294.9	7001.1	6636.5	6266.7	6174.9
7.5°	9091.8	9006.5	8626.2	7790.7	7072.0	6321.8	5671.2	5268.6	4856.7	4518.3	4338.7
10°	8350.7	8257.6	7830.1	6816.2	5930.9	5252.8	4775.4	4391.1	4001.6	3639.6	3351.1
12.5°	7840.5	7718.6	7254.3	6105.3	5334.1	4873.8	4427.9	3967.5	3440.2	3052.0	2734.6
15°	7626.8	7487.7	6997.2	5831.2	5123.0	4582.6	4001.6	3436.3	2818.6	2373.9	2082.8
17.5°	7792.0	7611.0	7085.1	5812.9	4858.0	4122.3	3387.8	2724.1	2053.9	1604.0	1396.8
20°	8353.4	8116.0	7448.4	5807.6	4536.7	3575.3	2644.1	1893.9	1353.5	1088.6	979.7
22.5°	9237.4	8923.9	7970.4	5849.6	4204.9	3000.9	1909.6	1286.6	1016.5	878.8	814.5
25°	10305.0	9941.7	8721.9	5997.8	3913.7	2442.1	1387.6	1016.5	857.8	756.8	703.0
27.5°	11320.1	11025.0	9671.5	6211.6	3688.1	1991.0	1126.6	861.7	733.2	666.3	623.0
30°	12334.0	11962.8	10646.0	6466.0	3416.6	1685.4	990.2	785.6	657.1	586.3	558.7
32.5°	13071.1	12762.9	11409.3	6649.6	3126.8	1486.0	885.3	718.7	613.8	541.7	501.0
35°	13938.0	13589.1	12063.8	6690.3	2940.5	1360.1	796.1	646.6	532.5	468.2	424.9
37.5°	14874.5	14440.4	12819.3	6601.1	2795.0	1298.5	729.2	613.8	497.1	431.5	385.6
40°	15910.6	15420.1	13544.6	6472.6	2652.0	1277.5	678.1	588.9	469.5	402.7	355.4
42.5°	17001.8	16423.4	14172.8	6337.5	2561.5	1205.3	672.8	564.0	448.6	376.4	329.2
45°	17918.6	17332.4	14818.1	6292.9	2497.2	1126.6	695.1	546.9	434.1	355.4	309.5
47.5°	18649.2	18094.4	15479.1	6392.6	2460.5	1054.5	633.5	569.2	426.3	337.1	292.5
50°	19521.4	18893.1	16410.3	6690.3	2406.7	982.4	573.2	651.8	426.3	325.3	278.1
52.5°	20615.2	19993.5	17449.1	7152.0	2299.2	882.7	515.4	653.2	430.2	309.5	259.7
55°	21991.1	21539.9	18932.5	7658.2	2127.4	735.8	445.9	561.4	414.5	280.7	242.6
57.5°	23310.5	22941.9	20284.7	8004.5	1897.8	574.5	388.2	452.5	379.0	246.6	216.4
59°	23671.2	23268.5	20780.5	8020.2	1726.0	501.0	359.4	373.8	371.2	230.8	200.7
60°	23671.2	23243.6	20923.4	7936.3	1601.4	460.4	341.0	333.1	386.9	220.3	191.5
62.5°	23242.3	22641.6	20459.1	7368.4	1306.3	392.2	297.7	275.4	347.6	198.0	169.2
65°	22350.4	21475.6	18877.4	6341.4	1164.7	359.4	257.1	225.6	241.3	174.4	148.2
67.5°	20863.1	19677.4	16596.6	5123.0	1108.3	350.2	221.7	191.5	182.3	149.5	129.8
70°	18243.9	16928.4	13827.9	4027.8	1059.7	346.3	186.2	161.3	146.9	125.9	110.2
72.5°	13278.3	11906.4	9817.1	3149.1	1030.9	354.1	149.5	135.1	120.7	98.4	85.3
75°	7595.3	6696.9	5517.8	2080.1	878.8	338.4	115.4	112.8	86.6	70.8	59.0
77.5°	3924.2	3804.9	3306.5	798.7	421.0	148.2	76.1	65.6	51.2	43.3	35.4
80°	1693.2	1674.9	1449.3	230.8	111.5	82.6	43.3	27.5	23.6	18.4	14.4
82.5°	585.0	585.0	515.4	77.4	49.8	40.7	5.2	0.0	0.0	0.0	0.0
85°	118.0	132.5	93.1	0.0	17.1	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°	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3
2.5°	7865.5	7706.8	7696.3	7596.6	7472.0	7415.6	7382.8	7440.5	7511.3	7519.2	7625.5
5°	6105.3	5938.8	6008.3	5831.2	5866.6	5831.2	5773.5	5784.0	5815.5	5717.1	5839.1
7.5°	4287.5	4161.6	4241.6	4194.4	4257.3	4282.3	4246.9	4194.4	4039.6	4021.3	4127.5
10°	3231.7	3088.7	3003.5	2914.3	2934.0	2974.6	2961.5	2923.5	2825.1	2830.4	2932.7
12.5°	2596.9	2436.9	2267.7	2048.7	1994.9	2025.1	1994.9	1972.6	1878.2	1886.0	1976.5
15°	1970.0	1838.8	1661.8	1486.0	1390.3	1399.4	1315.5	1256.5	1197.5	1126.6	1181.7
17.5°	1329.9	1249.9	1197.5	1145.0	1030.9	1004.7	898.4	784.3	739.7	706.9	730.5
20°	941.7	898.4	877.4	874.8	809.2	776.4	672.8	602.0	579.7	573.2	587.6
22.5°	786.9	755.5	725.3	708.2	675.5	637.4	558.7	523.3	507.6	499.7	510.2
25°	684.6	661.0	629.6	600.7	587.6	546.9	490.5	464.3	453.8	445.9	451.2
27.5°	608.6	587.6	550.9	532.5	522.0	486.6	438.1	417.1	407.9	405.3	404.0
30°	548.2	528.6	494.5	473.5	455.1	423.6	394.8	373.8	364.6	362.0	359.4
32.5°	487.9	472.2	449.9	428.9	409.2	380.4	355.4	338.4	324.0	321.3	320.0
35°	411.8	396.1	384.3	383.0	364.6	337.1	318.7	296.4	284.6	280.7	282.0
37.5°	365.9	344.9	318.7	327.9	322.6	303.0	278.1	255.8	244.0	241.3	241.3
40°	337.1	314.8	284.6	268.9	284.6	280.7	241.3	219.0	207.2	205.9	203.3
42.5°	309.5	287.2	253.1	226.9	234.8	246.6	208.5	187.6	175.8	173.1	169.2
45°	289.9	266.2	228.2	198.0	182.3	207.2	178.4	152.1	145.6	140.3	137.7
47.5°	271.5	249.2	205.9	171.8	145.6	149.5	143.0	124.6	116.7	111.5	110.2
50°	255.8	232.1	186.2	146.9	120.7	110.2	115.4	98.4	91.8	86.6	83.9
52.5°	237.4	215.1	165.3	127.2	101.0	86.6	87.9	77.4	70.8	66.9	65.6
55°	223.0	200.7	148.2	111.5	89.2	70.8	63.0	60.3	56.4	53.8	52.5
57.5°	203.3	182.3	131.2	94.4	76.1	57.7	48.5	48.5	47.2	44.6	43.3
59°	191.5	173.1	120.7	85.3	69.5	49.8	43.3	44.6	43.3	40.7	39.3
60°	182.3	165.3	112.8	78.7	65.6	45.9	39.3	42.0	40.7	38.0	36.7
62.5°	161.3	149.5	97.1	65.6	57.7	36.7	32.8	35.4	35.4	34.1	32.8
65°	141.6	128.5	82.6	55.1	53.8	31.5	26.2	31.5	32.8	30.2	27.5
67.5°	123.3	110.2	72.1	44.6	49.8	24.9	19.7	26.2	35.4	27.5	24.9
70°	104.9	91.8	56.4	35.4	52.5	17.1	15.7	23.6	42.0	30.2	23.6
72.5°	81.3	70.8	39.3	26.2	56.4	11.8	11.8	19.7	47.2	32.8	22.3
75°	56.4	45.9	23.6	15.7	45.9	7.9	7.9	18.4	44.6	30.2	21.0
77.5°	32.8	24.9	7.9	1.3	23.6	0.0	1.3	13.1	31.5	18.4	9.2
80°	11.8	5.2	0.0	0.0	14.4	0.0	0.0	0.0	2.6	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°	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3
2.5°	7653.0	7830.1	7988.8	8228.8	8513.4	8841.3	9123.3	9426.2	9710.8	9828.9	9910.2
5°	5864.0	6083.0	6338.8	6691.6	7161.2	7739.6	8281.2	8893.7	9552.1	9881.3	10190.9
7.5°	4145.9	4368.8	4686.2	5061.3	5629.2	6317.8	7026.1	7872.0	8763.9	9284.6	9797.4
10°	2981.2	3255.3	3551.7	4064.5	4641.6	5294.8	6024.0	6968.4	7962.5	8539.6	9157.4
12.5°	2029.0	2341.1	2789.7	3364.2	4042.3	4682.3	5315.8	6216.8	7371.0	7942.9	8605.2
15°	1217.1	1390.3	1865.0	2530.0	3361.5	4159.0	4852.8	5756.5	6986.7	7687.1	8375.7
17.5°	750.2	830.2	1088.6	1634.2	2507.7	3516.3	4467.2	5600.4	7041.8	7894.3	8631.4
20°	598.1	629.6	712.2	965.3	1661.8	2808.1	4033.1	5568.9	7491.7	8540.9	9331.8
22.5°	519.4	549.5	604.6	701.7	1045.3	2102.4	3621.2	5597.8	8137.0	9510.2	10433.5
25°	457.7	484.0	536.4	616.4	766.0	1480.8	3180.6	5726.3	8977.7	10712.9	11693.9
27.5°	409.2	431.5	480.0	553.5	657.1	1033.5	2680.8	5882.4	9974.5	11943.1	12911.1
30°	364.6	384.3	427.6	495.8	570.5	794.8	2132.6	5988.6	10972.6	12911.1	13780.6
32.5°	326.6	341.0	380.4	438.1	495.8	633.5	1621.1	5971.6	11713.6	13716.4	14406.3
35°	287.2	301.7	335.8	385.6	431.5	523.3	1274.8	5652.9	12358.9	14551.8	15122.4
37.5°	244.0	262.3	295.1	339.7	371.2	460.4	1030.9	5268.6	13013.4	15506.7	15921.1
40°	207.2	225.6	254.4	303.0	322.6	436.8	792.2	4800.3	13749.2	16574.3	16797.2
42.5°	171.8	188.9	219.0	261.0	304.3	376.4	586.3	4265.2	14456.1	17487.1	17596.0
45°	139.0	156.1	187.6	229.5	325.3	312.2	453.8	3692.1	15026.6	18246.5	18281.9
47.5°	110.2	125.9	158.7	216.4	303.0	249.2	324.0	3242.2	15505.3	18839.4	18746.2
50°	85.3	98.4	132.5	247.9	264.9	205.9	245.3	3092.7	15934.2	19206.6	18965.3
52.5°	66.9	78.7	108.9	232.1	205.9	170.5	205.9	3233.0	16521.8	19510.9	19088.6
55°	53.8	65.6	85.3	132.5	140.3	144.3	175.8	3364.2	17535.7	20224.4	19816.5
57.5°	44.6	56.4	69.5	93.1	106.2	122.0	156.1	3378.6	18730.5	21410.0	21024.4
59°	40.7	51.2	63.0	82.6	93.1	111.5	146.9	3299.9	19151.5	21841.5	21648.7
60°	38.0	48.5	59.0	76.1	86.6	104.9	141.6	3225.1	19169.9	21825.8	21915.0
62.5°	32.8	43.3	52.5	64.3	73.4	89.2	127.2	2948.4	18393.4	21111.0	21755.0
65°	28.9	38.0	47.2	55.1	63.0	80.0	115.4	2443.5	17067.4	19958.1	20659.8
67.5°	26.2	32.8	43.3	48.5	56.4	70.8	102.3	1741.8	15410.9	18548.2	19003.3
70°	23.6	31.5	39.3	44.6	51.2	61.6	87.9	1000.7	13013.4	16483.8	16807.7
72.5°	22.3	30.2	35.4	42.0	45.9	55.1	80.0	470.9	9528.5	13204.9	14050.8
75°	19.7	27.5	32.8	39.3	43.3	49.8	68.2	225.6	6337.5	9556.1	10517.5
77.5°	11.8	22.3	30.2	35.4	38.0	43.3	56.4	129.8	4044.9	6614.2	7790.7
80°	0.0	7.9	22.3	30.2	32.8	36.7	43.3	102.3	2164.1	3778.6	4535.4
82.5°	0.0	0.0	15.7	23.6	22.3	24.9	32.8	64.3	975.8	2469.7	2783.1
85°	0.0	0.0	5.2	18.4	15.7	11.8	22.3	22.3	213.8	1249.9	1559.5
87.5°	0.0	0.0	0.0	1.3	7.9	5.2	9.2	2.6	1.3	93.1	377.7
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°	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3	9018.3
2.5°	10194.8	10291.9	10455.8	10533.2	10495.2	10333.8	10141.0	9944.3	9828.9	9874.8
5°	10821.7	11321.4	11610.0	11705.7	11545.7	11183.7	10710.3	10086.0	9864.3	9804.0
7.5°	10821.7	11762.1	12357.6	12462.5	12105.8	11396.2	10508.3	9533.8	9209.8	9091.8
10°	10441.4	11721.5	12551.7	12718.3	12219.9	11158.8	9969.2	8857.0	8472.7	8350.7
12.5°	10012.5	11391.0	12265.8	12495.3	12086.1	10922.7	9595.4	8399.3	7946.8	7840.5
15°	9748.9	10984.4	11708.4	11874.9	11701.8	10785.0	9506.2	8261.6	7729.1	7626.8
17.5°	9843.3	10669.6	10930.6	11027.7	11144.4	10736.5	9748.9	8563.2	7889.1	7792.0
20°	10198.7	10337.8	10202.7	10324.7	10639.4	10783.7	10327.3	9292.5	8483.2	8353.4
22.5°	10802.1	10166.0	9786.9	9835.4	10218.4	10939.8	11211.3	10333.8	9400.0	9237.4
25°	11505.1	10305.0	9556.1	9512.8	9906.3	11145.7	12019.2	11467.0	10484.7	10305.0
27.5°	12389.1	10617.1	9508.9	9465.6	9797.4	11338.5	12690.7	12587.1	11627.0	11320.1
30°	13071.1	10924.0	9649.2	9549.5	9906.3	11472.3	13229.8	13538.0	12537.3	12334.0
32.5°	13560.3	11286.0	9877.4	9733.1	10213.2	11703.1	13645.5	14408.9	13379.3	13071.1
35°	13932.8	11679.5	10246.0	10008.6	10635.5	12053.3	14035.1	15336.2	14275.1	13938.0
37.5°	14281.7	12231.7	10821.7	10538.4	11297.8	12617.3	14446.9	16388.0	15277.1	14874.5
40°	14768.2	12857.3	11709.7	11457.9	12411.4	13385.9	14961.0	17484.5	16416.9	15910.6
42.5°	15254.8	13528.8	12618.6	12686.8	13800.3	14319.7	15624.7	18643.9	17542.2	17001.8
45°	15699.5	14221.3	13913.1	14227.9	15089.6	15344.0	16284.4	19314.1	18440.6	17918.6
47.5°	16095.6	15087.0	15199.8	16037.8	16555.9	16271.3	16777.6	19892.5	19109.5	18649.2
50°	16555.9	16207.0	16895.6	18081.3	18243.9	17110.7	17226.1	20577.2	19891.2	19521.4
52.5°	17059.6	17387.4	18773.8	19819.1	19766.6	18022.2	17677.3	21344.4	20962.8	20615.2
55°	17631.4	18341.0	20427.7	21445.4	21400.8	19040.0	18424.9	22292.7	22305.8	21991.1
57.5°	18480.0	19162.0	21550.4	22760.9	22835.7	20215.2	19691.9	23355.1	23520.3	23310.5
59°	19088.6	19694.5	21995.0	23310.5	23614.8	21124.1	20617.8	23971.5	23862.7	23671.2
60°	19539.7	20032.9	22215.3	23597.7	24067.3	21740.5	21301.2	24333.5	23903.3	23671.2
62.5°	20655.9	20770.0	22612.7	23923.0	24588.0	23109.8	23223.9	24949.9	23621.3	23242.3
65°	21176.6	21235.6	22607.5	23340.7	24084.3	24176.1	24968.3	24968.3	22932.8	22350.4
67.5°	20958.8	20674.2	21486.1	21410.0	22152.4	23542.6	25624.1	24052.8	21615.9	20863.1
70°	19188.2	18093.1	17732.4	17765.2	18333.1	20477.5	24325.6	21358.9	19124.0	18243.9
72.5°	15965.7	13338.6	12448.1	13464.6	13612.8	15737.5	20730.6	16085.1	14103.3	13278.3
75°	12841.6	9402.6	7954.7	9027.5	9279.3	11516.9	16036.5	10017.8	8238.0	7595.3
77.5°	9225.6	6749.3	5707.9	5633.2	5958.5	7304.1	11379.2	5041.7	4204.9	3924.2
80°	5241.0	4442.3	4783.3	4513.1	4677.0	4566.9	5406.3	2211.3	1811.3	1693.2
82.5°	3163.5	2625.8	2843.5	2367.4	2995.6	2608.7	2082.8	708.2	615.1	585.0
85°	2057.8	1434.9	747.6	501.0	1032.2	1667.0	465.6	192.8	148.2	118.0
87.5°	709.6	365.9	36.7	15.7	110.2	310.8	17.1	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)