

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: P382666

Luminaire Tested: **GAN-SA0C-735-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382666
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-SA0C-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3500K, 1050mA 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: 48349.2 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

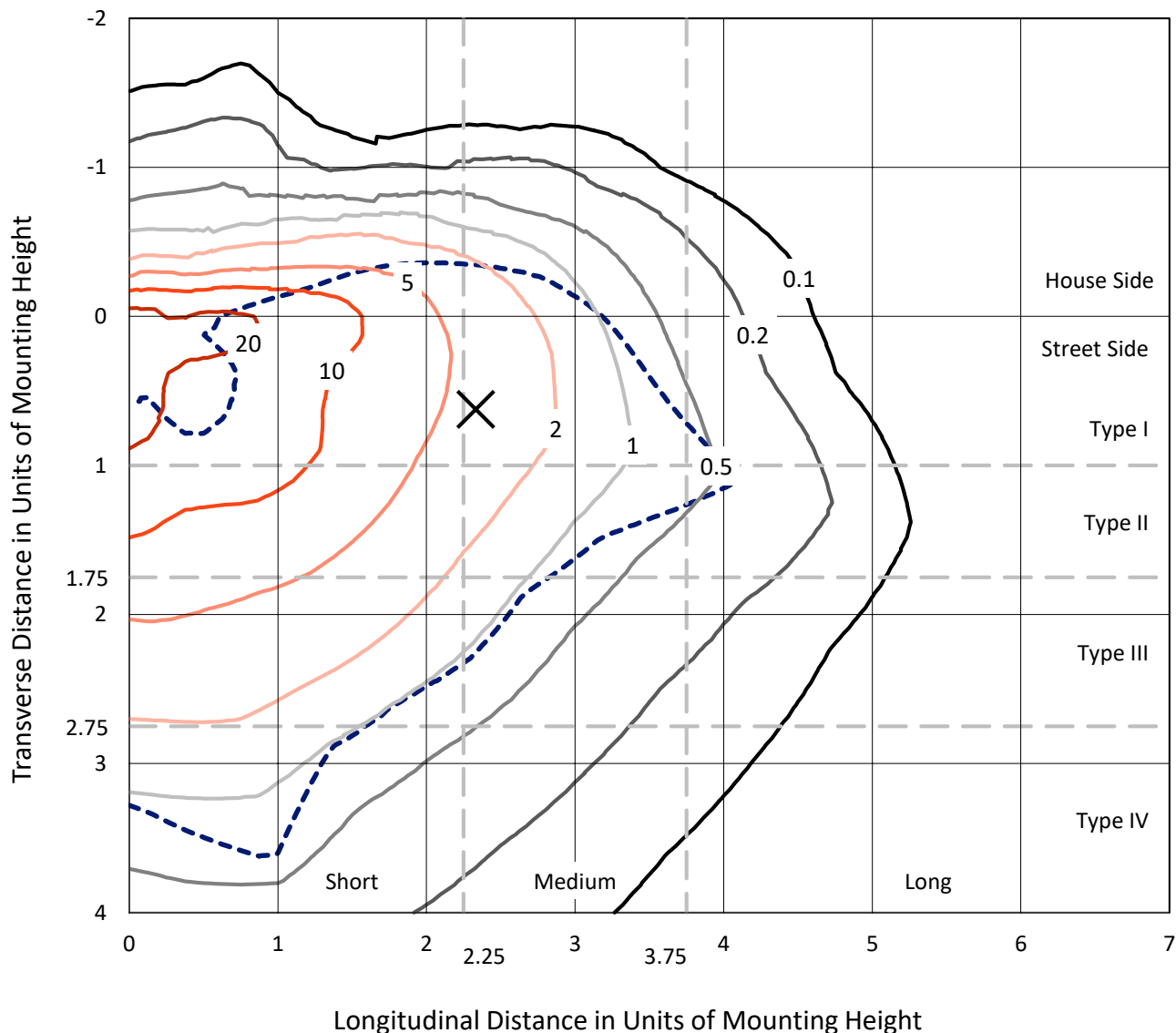
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

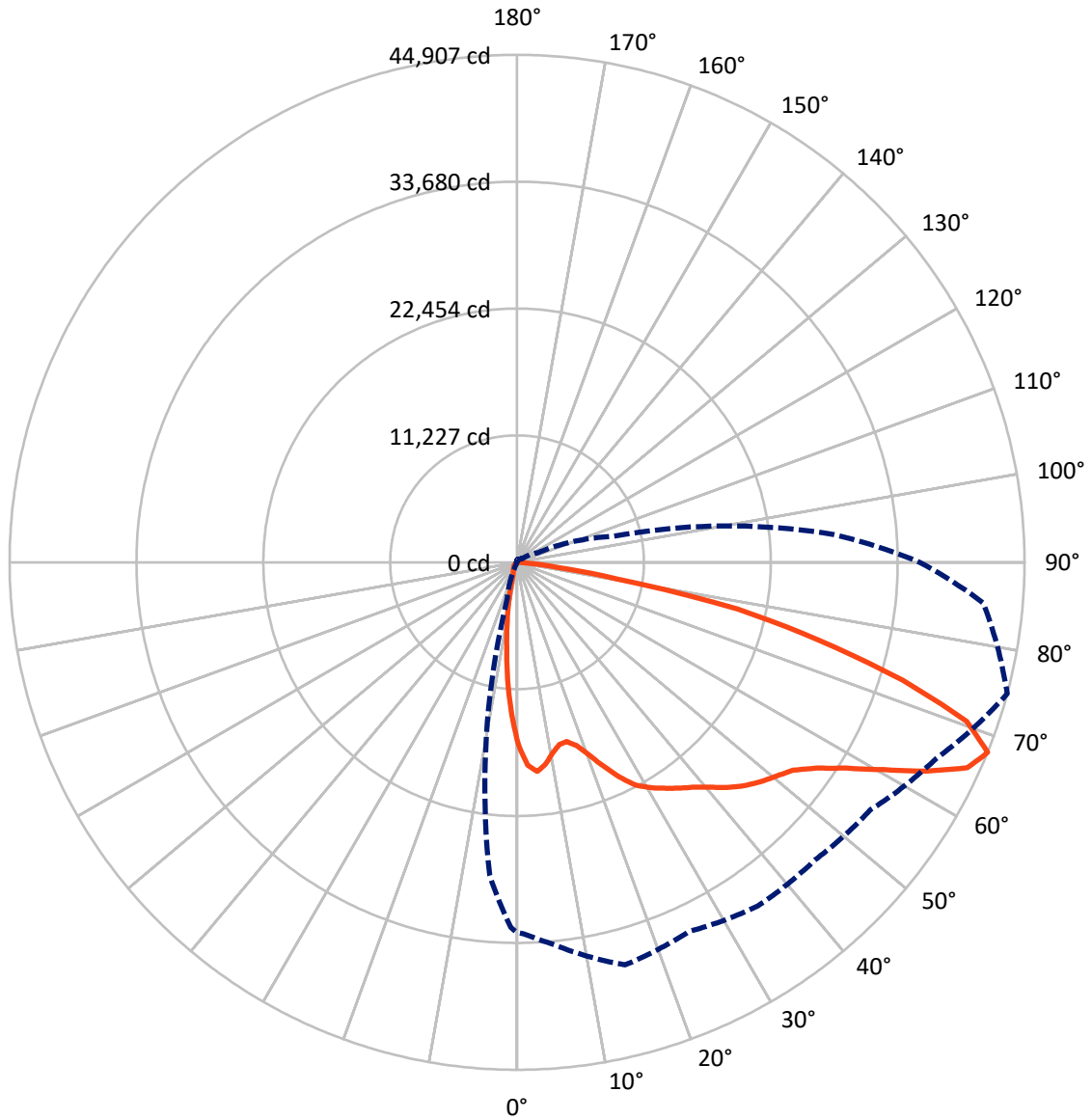
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 33.6 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	7255.3	0.0	7255.3
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	41093.9	0.0	41093.9
	% Fixture	85.0	0.0	85.0
Total	Lumens	48349.2	0.0	48349.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1230.4	2.5
10°-20°	2422.6	5.0
20°-30°	3427.4	7.1
30°-40°	5039.2	10.4
40°-50°	7243.0	15.0
50°-60°	10196.2	21.1
60°-70°	11908.2	24.6
70°-80°	6075.2	12.6
80°-90°	807.0	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°	48349.2	100.0
0°-180°	48349.2	100.0

Coefficient of Utilization

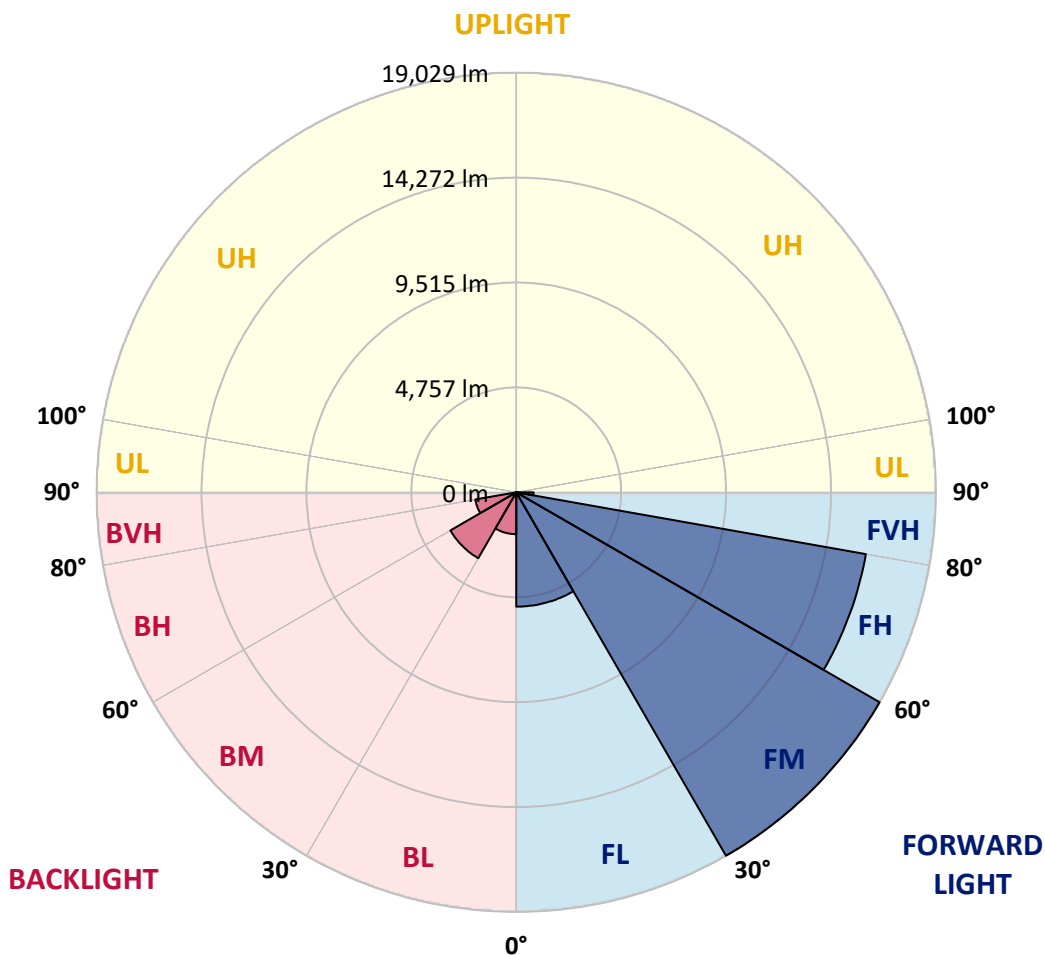


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5183.0	10.7			
FM (30°-60°)	19029.4	39.4			
FH (60°-80°)	16098.9	33.3			G5
FVH (80°-90°)	782.6	1.6			G5
BL (0°-30°)	1897.4	3.9	B3/2500		
BM (30°-60°)	3448.9	7.1	B3/5000		
BH (60°-80°)	1884.5	3.9	B3/2500		G3/2500
BVH (80°-90°)	24.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3
2.5°	17583.1	17610.5	17752.6	18082.4	18441.9	18469.4	18712.3	18462.6	18377.9	17974.8	17557.9
5°	17715.9	17821.3	18309.1	19277.9	20118.5	20388.8	20581.1	20091.1	19575.7	18590.8	17539.6
7.5°	16646.3	16822.7	17589.9	19408.5	20911.0	21575.2	21701.1	20933.9	19671.9	18050.3	16469.9
10°	15276.7	15478.2	16403.5	18639.0	20702.5	21840.9	22014.9	21009.5	19195.5	17175.4	15313.3
12.5°	14168.2	14404.1	15349.9	17773.2	19985.7	21245.3	21588.9	20755.3	18783.3	16554.7	14523.2
15°	13657.4	13927.7	14921.7	17214.3	19190.9	20182.6	20466.7	20107.1	18554.2	16456.3	14340.0
17.5°	13950.6	14243.7	15269.8	17262.4	18444.3	18867.9	19097.0	19243.6	18554.2	17049.5	14875.9
20°	15153.0	15469.1	16554.7	17750.3	17825.9	17667.8	17912.9	18428.2	18769.5	18176.3	16163.1
22.5°	16815.8	17186.9	18412.2	18586.2	17523.5	16925.8	16957.8	17766.3	19161.2	19605.4	17949.5
25°	18842.8	19296.3	20542.2	19832.2	17649.5	16483.7	16472.3	17221.2	19543.6	21037.0	19939.9
27.5°	20856.0	21355.4	22450.1	21353.0	18169.5	16403.5	16380.6	17056.3	19917.0	22310.4	22113.4
30°	22544.0	23029.5	23973.2	22454.7	18730.5	16591.3	16481.4	17232.7	20139.1	23137.2	23698.4
32.5°	23918.2	24307.6	25070.3	23212.8	19330.6	16955.6	16717.4	17704.4	20517.1	23835.8	25155.0
35°	25429.9	25839.8	26144.4	23934.3	20004.0	17480.0	17138.8	18453.4	21098.8	24545.8	26751.4
37.5°	27154.5	27562.2	27525.6	24593.9	20858.3	18348.0	18130.5	19639.8	22003.5	25248.9	28533.3
40°	28842.5	29259.4	28961.6	25315.4	21861.5	19779.6	19619.2	21421.8	23215.1	26149.0	30622.1
42.5°	30422.9	30874.0	30237.3	25997.9	23057.0	21584.3	21859.2	23716.6	24731.3	27257.5	32422.3
45°	31696.3	32156.7	31306.9	26662.1	24316.7	23773.9	24600.8	26258.9	26554.4	28194.3	33638.5
47.5°	32621.6	33056.7	32049.0	27326.3	25929.2	26451.4	27892.0	28924.9	28201.2	29007.4	34502.0
50°	33212.5	33551.5	32266.6	28157.7	28045.5	29575.4	31320.7	31824.6	29751.8	29740.3	35550.9
52.5°	33588.2	33741.6	32426.9	29025.7	30253.3	32976.6	34678.3	34836.3	31348.2	30546.6	36964.1
55°	34882.2	35005.9	33562.9	30077.0	32078.8	35956.3	37715.4	37568.8	33155.3	32124.6	38631.5
57.5°	37090.0	37220.6	35910.5	31588.6	33556.0	37797.8	39916.3	40179.8	35273.8	34341.7	40418.0
60°	38198.6	38441.4	37974.2	33503.4	34987.5	38975.0	41416.6	42257.1	37921.4	37264.1	42149.5
62.5°	37193.2	37545.8	38223.8	35626.6	36409.8	39623.2	41883.8	43001.5	40633.3	40669.9	43216.8
65°	35186.8	35468.5	36618.3	36790.1	37234.3	39543.1	40729.5	41961.7	42293.8	43798.6	43159.5
67.5°	32763.6	32868.9	33844.6	36881.6	36038.8	37133.6	37261.8	38173.4	40981.4	44907.1	41425.7
70°	29275.4	29332.7	30184.7	33814.9	30970.2	31210.8	31020.6	31206.1	35232.6	42206.7	37048.9
72.5°	23560.9	23705.2	24916.8	28082.1	22562.4	21868.4	23361.6	23279.2	27133.9	35658.6	27516.3
75°	17347.2	17596.8	19426.9	22619.6	15835.6	14323.9	15414.1	15705.0	19289.4	27582.8	17207.5
77.5°	12145.8	12331.3	14104.0	16628.0	11460.9	10242.5	9848.5	10194.4	12732.1	19953.6	8669.0
80°	6997.0	7065.8	8197.2	9601.2	7723.1	8836.2	8004.8	8243.0	7629.2	8877.5	3728.7
82.5°	4578.5	4589.9	5031.9	5714.5	4809.8	5588.4	4136.4	5288.4	4693.0	3566.1	1213.9
85°	2473.6	2487.3	2917.9	4056.2	2723.2	1539.1	904.7	1857.5	2901.9	817.6	332.1
87.5°	272.6	249.7	879.5	1475.0	755.9	139.7	48.1	208.4	464.9	52.6	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°	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3
2.5°	17344.9	17154.8	16680.7	16179.1	15776.0	15398.1	15017.9	14552.9	14193.3	14120.0	14001.0
5°	16973.8	16371.5	15377.4	14378.9	13575.0	12560.3	11916.7	11415.2	10925.0	10895.2	10796.7
7.5°	15677.5	14885.0	13485.6	12104.5	10973.1	10006.6	9030.9	8378.2	7865.1	7684.1	7576.5
10°	14431.5	13540.6	11793.0	10217.3	9207.2	8352.9	7665.8	6983.3	6364.9	5938.9	5746.5
12.5°	13561.2	12576.4	10650.2	9292.0	8568.2	7757.5	6919.2	6067.2	5354.8	4841.8	4528.1
15°	13224.5	12173.3	10267.7	8925.5	8032.3	7006.2	5934.3	4961.0	4170.7	3705.8	3424.1
17.5°	13625.4	12402.3	10237.9	8478.9	7230.7	5954.9	4770.8	3621.0	2876.7	2523.9	2343.0
20°	14642.3	13130.6	10226.4	7931.5	6277.9	4709.0	3231.7	2382.0	1930.8	1733.8	1649.0
22.5°	16080.7	14060.5	10318.1	7391.0	5286.2	3364.6	2230.8	1749.8	1518.5	1413.2	1365.1
25°	17931.3	15366.1	10576.9	6900.8	4354.0	2510.2	1738.4	1465.8	1303.2	1220.8	1186.4
27.5°	19903.3	16868.5	10980.0	6474.8	3595.9	2001.8	1488.7	1255.1	1138.4	1081.1	1049.0
30°	21529.4	18609.2	11387.7	6000.8	3046.2	1745.3	1362.8	1145.2	1010.1	973.4	943.7
32.5°	22951.7	19926.1	11676.3	5572.4	2686.6	1550.6	1232.3	1023.8	932.2	861.2	829.1
35°	24424.4	21023.2	11667.1	5272.4	2439.3	1404.0	1122.2	916.2	806.2	723.7	698.6
37.5°	26018.5	22262.3	11467.8	5015.9	2331.6	1287.2	1060.5	858.9	749.0	666.5	634.4
40°	27885.1	23563.2	11264.0	4775.4	2301.9	1193.3	1016.9	813.1	696.2	616.1	584.1
42.5°	29703.7	24735.8	11085.3	4596.7	2173.6	1191.0	977.9	778.7	655.1	577.2	540.5
45°	31158.0	25828.4	11050.9	4489.1	2038.4	1232.3	957.4	755.9	623.0	545.1	510.8
47.5°	32367.4	27014.8	11270.9	4413.5	1910.1	1124.6	1007.7	739.7	593.2	517.7	478.7
50°	33805.7	28471.4	11788.5	4289.9	1775.1	1012.3	1154.4	744.4	568.0	490.2	448.9
52.5°	35812.0	30486.9	12548.9	4081.4	1589.5	909.3	1136.0	749.0	540.5	460.4	419.1
55°	38061.2	33004.1	13366.5	3735.6	1330.7	774.1	973.4	716.9	487.9	428.3	389.4
57.5°	40424.9	35287.6	13852.1	3323.3	1058.1	668.8	778.7	652.7	430.6	384.8	359.6
60°	40795.9	36155.6	13629.9	2817.2	840.5	581.8	577.2	664.2	384.8	339.0	320.6
62.5°	39872.8	35065.4	12555.8	2365.9	703.1	510.8	474.1	579.4	348.1	302.3	284.0
65°	38097.9	32117.7	10815.1	2132.3	652.7	437.5	394.0	407.6	304.6	263.3	247.3
67.5°	35628.8	28182.9	8879.7	1999.5	645.8	375.6	336.7	309.2	263.3	229.1	215.3
70°	30580.8	23478.4	7084.0	1926.2	627.6	316.1	284.0	252.0	219.8	194.7	183.2
72.5°	22507.4	16637.2	5510.6	1846.0	632.1	252.0	247.3	208.4	176.3	151.2	146.6
75°	13004.7	9505.0	3614.2	1495.6	602.3	194.7	206.2	146.6	123.7	105.4	105.4
77.5°	6930.6	5796.9	1376.5	623.0	219.8	123.7	116.8	87.0	77.9	64.1	61.9
80°	3021.0	2551.4	414.5	174.1	121.4	66.4	43.5	38.9	34.4	27.5	25.2
82.5°	1069.6	923.0	135.2	84.8	52.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	242.8	174.1	0.0	20.6	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°	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3
2.5°	13758.2	13707.8	13410.1	13421.6	13474.2	13549.7	13371.2	13453.6	13675.8	13888.7	13968.9
5°	10638.7	10650.2	10469.2	10581.4	10682.2	10751.0	10462.4	10467.0	10643.3	10883.8	11009.8
7.5°	7496.3	7478.0	7487.2	7755.1	7945.3	7807.9	7915.5	7542.2	7565.1	7736.9	7608.6
10°	5572.4	5320.5	5178.5	5380.1	5588.4	5512.9	5327.3	5206.0	5290.7	5480.9	5467.1
12.5°	4379.2	4017.3	3804.3	3660.0	3831.7	3689.8	3685.2	3579.8	3465.4	3485.9	3790.6
15°	3293.6	3030.1	2778.2	2546.9	2542.3	2494.2	2249.1	1974.3	1951.4	1965.1	2123.2
17.5°	2265.2	2175.8	2072.8	1873.5	1820.8	1619.3	1381.1	1271.2	1216.1	1241.4	1294.0
20°	1591.8	1557.5	1568.9	1461.2	1385.7	1193.3	1053.6	1010.1	1000.9	1026.1	1051.3
22.5°	1319.3	1257.4	1250.5	1202.4	1126.9	987.2	911.5	886.4	874.9	897.8	916.2
25°	1154.4	1092.5	1067.3	1037.6	957.4	861.2	815.4	792.5	781.0	794.8	806.2
27.5°	1016.9	959.7	936.8	916.2	838.3	769.6	732.9	712.3	703.1	707.7	719.2
30°	913.8	863.5	833.7	808.5	742.1	694.0	662.0	641.3	632.1	632.1	643.6
32.5°	806.2	778.7	751.2	719.2	657.3	625.3	593.2	570.3	561.2	563.4	572.6
35°	671.1	662.0	668.8	639.0	586.3	558.8	526.8	501.5	494.7	497.0	506.2
37.5°	595.5	554.3	579.4	563.4	533.7	497.0	455.8	432.9	421.4	428.3	432.9
40°	547.4	497.0	478.7	494.7	490.2	430.6	394.0	371.0	361.9	364.1	368.7
42.5°	506.2	446.6	405.4	403.1	430.6	375.6	336.7	316.1	304.6	304.6	309.2
45°	467.3	403.1	352.7	313.7	361.9	318.4	281.7	263.3	249.7	249.7	252.0
47.5°	437.5	366.5	306.9	256.5	272.6	261.1	231.3	213.0	199.3	199.3	201.6
50°	410.0	329.8	265.7	215.3	203.8	215.3	187.8	167.2	158.0	155.8	160.3
52.5°	380.2	293.2	226.7	183.2	160.3	162.6	146.6	132.8	121.4	121.4	125.9
55°	350.4	263.3	196.9	155.8	132.8	121.4	116.8	107.7	98.5	98.5	103.0
57.5°	320.6	231.3	167.2	128.3	105.4	96.2	96.2	89.3	82.4	82.4	87.0
60°	293.2	199.3	137.4	105.4	82.4	80.2	82.4	75.5	71.0	71.0	75.5
62.5°	261.1	169.4	112.3	87.0	66.4	64.1	71.0	66.4	61.9	61.9	66.4
65°	222.2	144.3	89.3	66.4	50.4	50.4	59.5	55.0	50.4	50.4	55.0
67.5°	187.8	121.4	68.7	48.1	36.6	38.9	50.4	45.8	43.5	43.5	48.1
70°	155.8	93.9	48.1	29.8	20.6	29.8	38.9	38.9	38.9	38.9	43.5
72.5°	116.8	64.1	27.5	11.5	9.1	20.6	32.0	36.6	34.4	34.4	41.3
75°	75.5	36.6	9.1	0.0	0.0	11.5	25.2	29.8	29.8	27.5	34.4
77.5°	43.5	11.5	0.0	0.0	0.0	0.0	16.0	13.8	11.5	9.1	16.0
80°	11.5	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°	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3	16220.3
2.5°	14291.8	14562.1	14942.3	15345.4	15966.1	16458.5	16941.8	17356.3	17516.6	17583.1
5°	11312.1	11708.3	12264.8	12979.4	14099.4	15107.2	16128.7	17157.1	17603.7	17715.9
7.5°	8117.0	8623.2	9330.9	10226.4	11538.8	12844.4	14271.2	15780.6	16472.3	16646.3
10°	6007.6	6626.0	7436.8	8380.4	9633.2	10975.4	12530.5	14255.2	15045.3	15276.7
12.5°	4262.4	5098.4	6184.0	7331.5	8417.1	9615.0	11188.4	13089.4	13918.5	14168.2
15°	2503.3	3311.8	4596.7	6133.6	7523.8	8737.7	10336.4	12491.6	13405.4	13657.4
17.5°	1436.1	1839.2	2810.3	4523.5	6410.7	8091.8	10068.4	12640.4	13716.9	13950.6
20°	1097.1	1225.4	1619.3	2913.3	5109.8	7457.4	10068.4	13483.3	14809.5	15153.0
22.5°	959.7	1053.6	1213.9	1738.4	3760.8	6777.2	10185.3	14701.8	16435.6	16815.8
25°	852.0	936.8	1074.2	1307.8	2565.2	5968.7	10462.4	16197.4	18350.4	18842.8
27.5°	762.7	842.9	966.6	1145.2	1754.4	4993.0	10835.7	17951.9	20462.1	20856.0
30°	682.5	758.1	870.3	996.3	1353.6	3886.7	11154.1	19605.4	22120.2	22544.0
32.5°	606.9	675.7	776.4	870.3	1108.5	2874.4	11188.4	20915.6	23496.8	23918.2
35°	535.9	597.8	689.4	762.7	918.4	2269.7	10654.8	22051.6	24873.3	25429.9
37.5°	467.3	526.8	606.9	662.0	808.5	1850.6	9839.4	23318.1	26639.2	27154.5
40°	403.1	455.8	538.2	574.9	765.0	1422.3	8953.0	24646.5	28370.7	28842.5
42.5°	343.6	394.0	474.1	545.1	671.1	1062.7	7995.7	25892.6	29928.1	30422.9
45°	286.3	339.0	419.1	577.2	556.6	794.8	6971.9	26719.3	31158.0	31696.3
47.5°	231.3	290.8	400.8	549.7	444.3	584.1	6161.1	27502.6	32090.2	32621.6
50°	185.6	245.1	451.2	490.2	364.1	446.6	5822.1	28203.4	32701.8	33212.5
52.5°	151.2	206.2	426.0	375.6	304.6	368.7	6005.3	29339.5	33267.4	33588.2
55°	125.9	162.6	256.5	261.1	258.8	313.7	6232.1	30970.2	34731.0	34882.2
57.5°	109.9	130.5	178.7	201.6	217.6	279.5	6236.6	33311.0	36996.1	37090.0
60°	93.9	114.5	148.9	162.6	187.8	249.7	6009.9	34128.6	37887.2	38198.6
62.5°	82.4	100.8	123.7	135.2	158.0	224.4	5478.5	32944.6	36664.0	37193.2
65°	73.3	91.6	103.0	114.5	139.7	201.6	4603.6	30576.3	34634.8	35186.8
67.5°	64.1	80.2	91.6	103.0	125.9	178.7	3389.7	27825.6	32305.5	32763.6
70°	57.3	71.0	82.4	91.6	109.9	151.2	2056.8	23611.3	29085.2	29275.4
72.5°	55.0	64.1	75.5	82.4	96.2	132.8	1042.1	17351.8	23251.7	23560.9
75°	48.1	57.3	68.7	73.3	84.8	114.5	423.8	11396.8	16850.2	17347.2
77.5°	38.9	52.6	61.9	66.4	73.3	93.9	215.3	7283.3	11825.2	12145.8
80°	13.8	38.9	52.6	55.0	61.9	68.7	142.0	3987.5	6859.6	6997.0
82.5°	0.0	25.2	41.3	38.9	43.5	52.6	91.6	1896.4	4528.1	4578.5
85°	0.0	11.5	32.0	25.2	18.4	36.6	32.0	414.5	2375.1	2473.6
87.5°	0.0	0.0	2.3	11.5	9.1	13.8	4.6	2.3	215.3	272.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)