

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: P383452

Luminaire Tested: **GAN-SA7C-735-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383452
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-SA7C-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1050mA 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: 34548.3 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

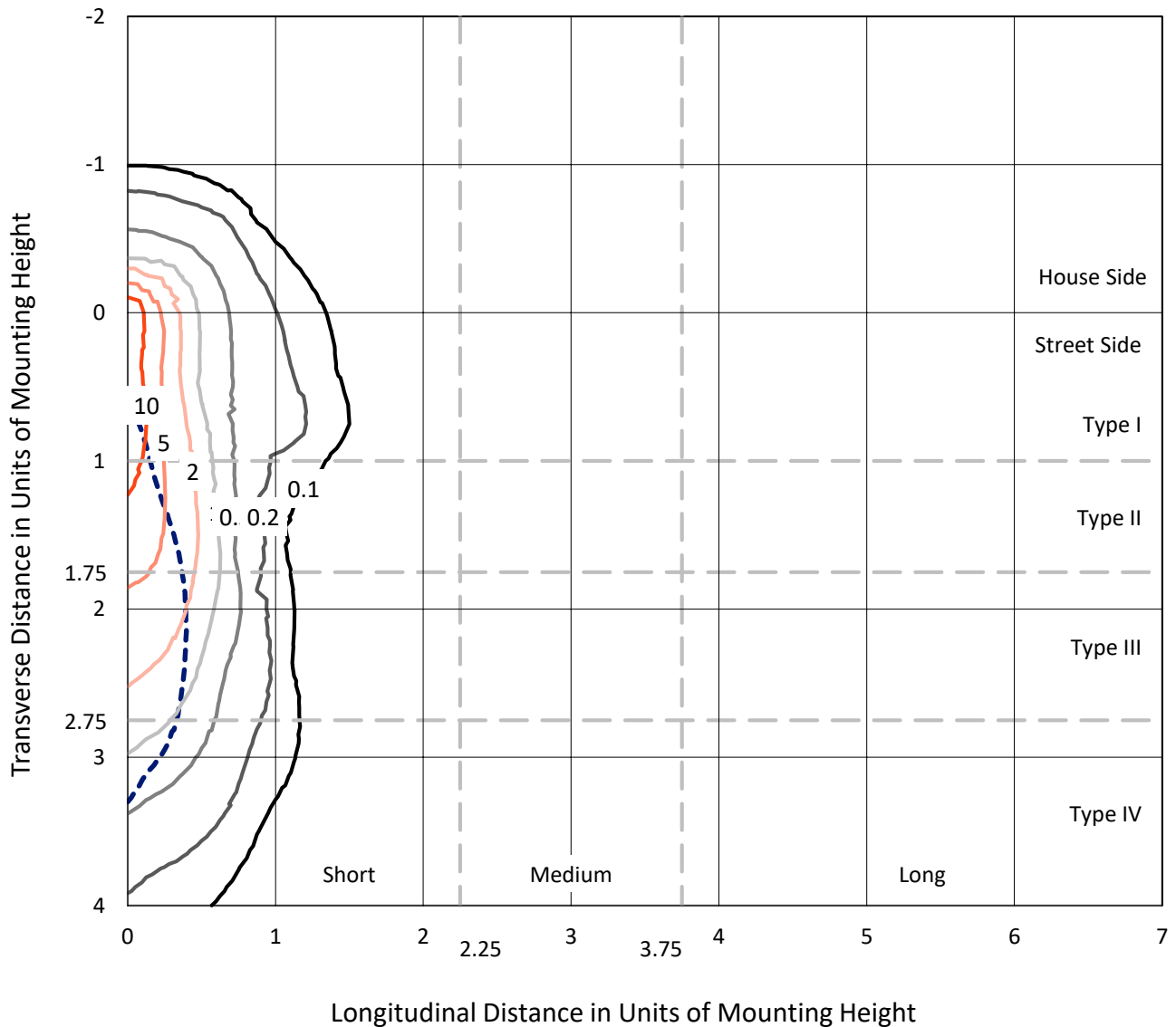
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

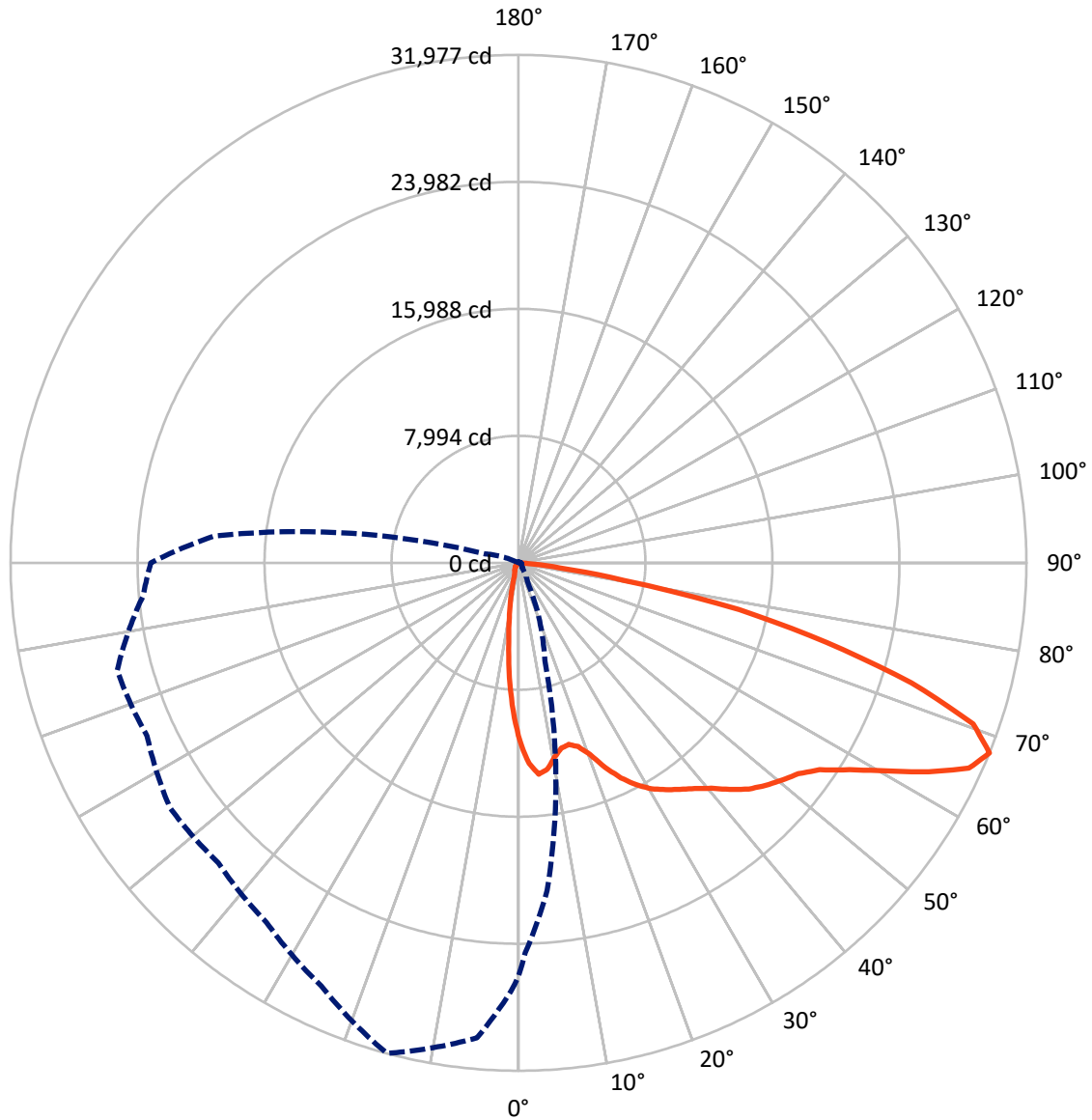
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18 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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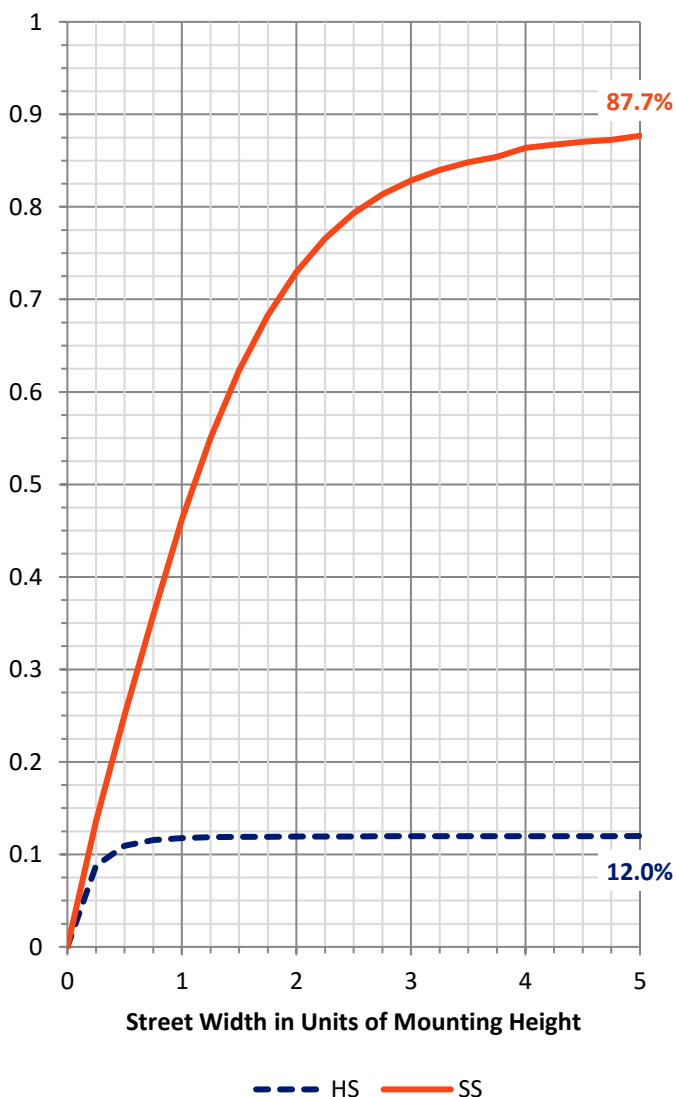
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4181.5	0.0	4181.5
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	30366.8	0.0	30366.8
	% Fixture	87.9	0.0	87.9
Total	Lumens	34548.3	0.0	34548.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	863.7	2.5
10°-20°	1719.2	5.0
20°-30°	2441.3	7.1
30°-40°	3606.0	10.4
40°-50°	5200.6	15.1
50°-60°	7300.6	21.1
60°-70°	8510.4	24.6
70°-80°	4350.7	12.6
80°-90°	555.6	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°	34548.3	100.0
0°-180°	34548.3	100.0

Coefficient of Utilization

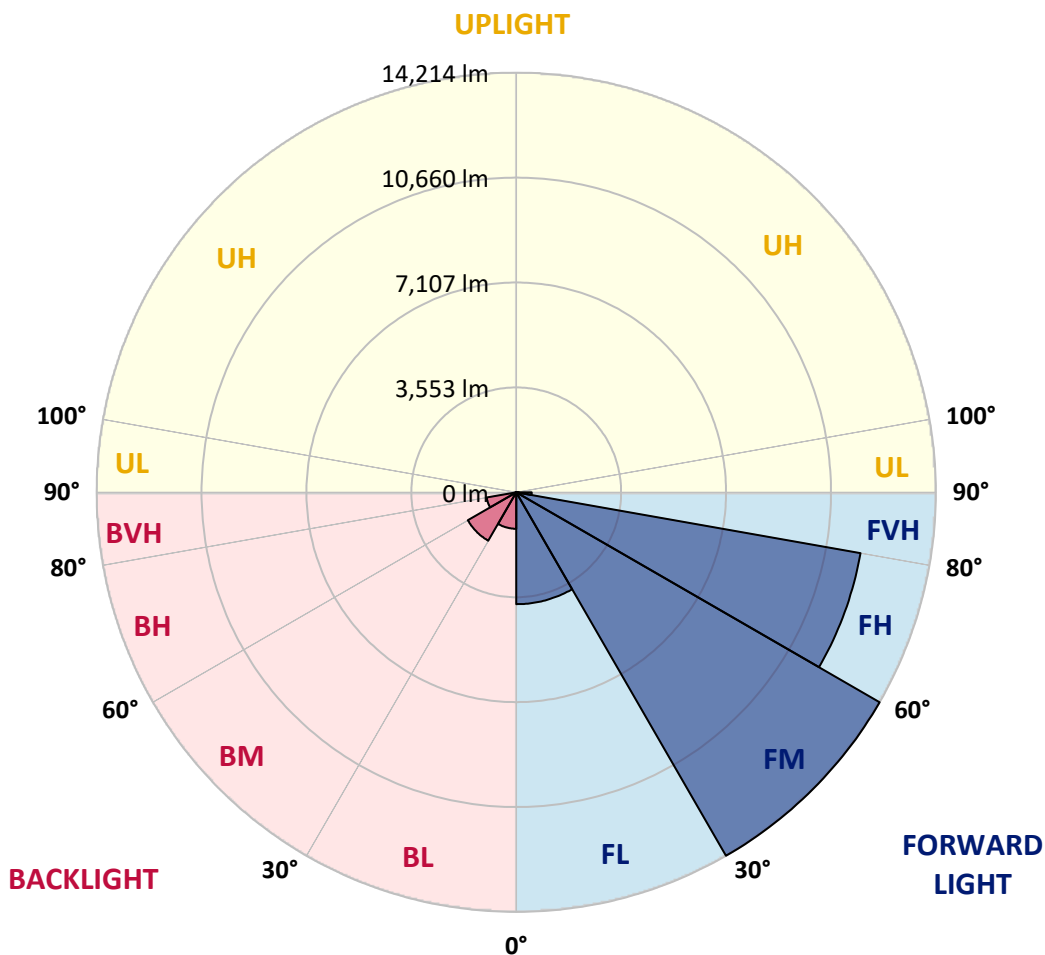


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3789.3	11.0			
FM (30°-60°)	14213.7	41.1			
FH (60°-80°)	11841.9	34.3			G4/12000
FVH (80°-90°)	521.9	1.5			G4/750
BL (0°-30°)	1235.1	3.6	B3/2500		
BM (30°-60°)	1893.5	5.5	B2/2500		
BH (60°-80°)	1019.1	2.9	B3/2500		G3/2500
BVH (80°-90°)	33.8	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-G4
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0
2.5°	12322.8	12227.9	12123.2	11781.1	11463.5	11100.2	10804.0	10597.8	10339.2	10003.6	9918.5
5°	12234.5	12132.9	11804.0	11042.9	10376.8	9728.6	9103.4	8736.8	8281.7	7820.2	7705.7
7.5°	11345.7	11239.3	10764.7	9722.1	8825.2	7889.0	7077.2	6574.7	6060.7	5638.5	5414.2
10°	10420.9	10304.8	9771.2	8506.0	7401.2	6555.0	5959.3	5479.7	4993.7	4541.9	4181.8
12.5°	9784.2	9632.1	9052.7	7618.9	6656.6	6082.1	5525.6	4951.1	4293.1	3808.6	3412.5
15°	9517.5	9344.0	8731.9	7276.9	6393.0	5718.7	4993.7	4288.2	3517.3	2962.4	2599.1
17.5°	9723.7	9497.9	8841.5	7254.0	6062.4	5144.2	4227.6	3399.5	2563.1	2001.7	1743.1
20°	10424.2	10128.0	9294.9	7247.3	5661.4	4461.6	3299.6	2363.4	1689.1	1358.5	1222.7
22.5°	11527.3	11136.2	9946.3	7299.7	5247.3	3744.8	2383.1	1605.6	1268.5	1096.6	1016.4
25°	12859.6	12406.3	10884.1	7484.7	4883.9	3047.6	1731.7	1268.5	1070.4	944.4	877.2
27.5°	14126.5	13758.2	12069.1	7751.5	4602.4	2484.5	1405.9	1075.3	915.0	831.4	777.5
30°	15391.7	14928.5	13285.2	8069.0	4263.6	2103.2	1235.7	980.4	819.9	731.6	697.3
32.5°	16311.5	15926.9	14237.8	8298.1	3901.9	1854.4	1104.8	896.9	766.0	675.9	625.3
35°	17393.4	16958.0	15054.5	8348.9	3669.6	1697.3	993.5	806.9	664.5	584.3	530.3
37.5°	18562.0	18020.2	15997.3	8237.6	3487.8	1620.3	910.0	766.0	620.3	538.4	481.2
40°	19855.0	19242.9	16902.4	8077.2	3309.4	1594.2	846.2	734.9	585.9	502.5	443.5
42.5°	21216.7	20495.0	17686.4	7908.6	3196.5	1504.2	839.6	703.8	559.8	469.8	410.8
45°	22360.8	21629.1	18491.6	7852.9	3116.3	1405.9	867.5	682.5	541.8	443.5	386.2
47.5°	23272.5	22580.2	19316.5	7977.3	3070.5	1315.9	790.5	710.3	531.9	420.6	365.0
50°	24360.8	23576.9	20478.6	8348.9	3003.4	1225.9	715.2	813.4	531.9	405.9	347.0
52.5°	25725.9	24950.1	21774.8	8925.0	2869.2	1101.6	643.2	815.1	536.9	386.2	324.1
55°	27442.7	26879.7	23626.0	9556.7	2654.7	918.2	556.5	700.5	517.2	350.3	302.8
57.5°	29089.3	28629.4	25313.4	9988.9	2368.4	716.9	484.5	564.7	473.0	307.7	270.1
59°	29539.4	29037.0	25932.1	10008.5	2153.9	625.3	448.4	466.4	463.2	288.0	250.4
60°	29539.4	29005.9	26110.5	9903.7	1998.4	574.5	425.5	415.7	482.8	275.0	238.9
62.5°	29004.2	28254.6	25531.1	9195.0	1630.2	489.3	371.5	343.7	433.7	247.1	211.2
65°	27891.3	26799.6	23557.3	7913.5	1453.4	448.4	320.8	281.5	301.2	217.7	184.9
67.5°	26035.2	24555.6	20711.0	6393.0	1383.1	437.0	276.6	238.9	227.5	186.6	162.0
70°	22766.7	21125.1	17255.9	5026.4	1322.4	432.1	232.4	201.3	183.3	157.2	137.5
72.5°	16570.1	14858.1	12250.8	3929.7	1286.5	441.9	186.6	168.6	150.5	122.8	106.4
75°	9478.2	8357.1	6885.6	2595.9	1096.6	422.3	144.0	140.8	108.1	88.4	73.7
77.5°	4897.1	4748.1	4126.2	996.8	525.4	184.9	94.9	81.8	63.8	54.0	44.2
80°	2113.0	2090.1	1808.6	288.0	139.1	103.1	54.0	34.4	29.4	22.9	18.0
82.5°	730.0	730.0	643.2	96.6	62.2	50.8	6.5	0.0	0.0	0.0	0.0
85°	147.3	165.3	116.2	0.0	21.2	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°	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0
2.5°	9815.3	9617.3	9604.3	9479.9	9324.3	9254.0	9213.1	9285.1	9373.4	9383.3	9515.9
5°	7618.9	7411.0	7497.7	7276.9	7321.0	7276.9	7204.8	7217.9	7257.2	7134.4	7286.7
7.5°	5350.4	5193.3	5293.1	5234.2	5312.8	5343.9	5299.7	5234.2	5041.1	5018.2	5150.7
10°	4032.9	3854.5	3748.1	3636.8	3661.4	3712.0	3695.7	3648.2	3525.4	3532.1	3659.7
12.5°	3240.7	3041.0	2829.9	2556.5	2489.5	2527.1	2489.5	2461.6	2343.8	2353.6	2466.6
15°	2458.4	2294.7	2073.7	1854.4	1734.9	1746.4	1641.7	1568.0	1494.3	1405.9	1474.6
17.5°	1659.6	1559.8	1494.3	1428.8	1286.5	1253.7	1121.1	978.8	923.1	882.2	911.6
20°	1175.1	1121.1	1094.9	1091.7	1009.9	968.9	839.6	751.3	723.4	715.2	733.2
22.5°	982.0	942.7	905.1	883.9	842.9	795.4	697.3	653.0	633.5	623.6	636.7
25°	854.3	824.9	785.7	749.6	733.2	682.5	612.1	579.4	566.3	556.5	563.0
27.5°	759.4	733.2	687.4	664.5	651.4	607.2	546.6	520.5	509.0	505.7	504.2
30°	684.1	659.6	617.1	590.9	568.0	528.7	492.7	466.4	455.0	451.7	448.4
32.5°	608.9	589.2	561.4	535.2	510.7	474.6	443.5	422.3	404.3	401.0	399.4
35°	513.9	494.3	479.6	477.9	455.0	420.6	397.7	369.9	355.2	350.3	351.9
37.5°	456.6	430.5	397.7	409.1	402.6	378.1	347.0	319.1	304.4	301.2	301.2
40°	420.6	392.8	355.2	335.5	355.2	350.3	301.2	273.3	258.6	256.9	253.7
42.5°	386.2	358.5	315.9	283.2	293.0	307.7	260.3	234.0	219.3	216.0	211.2
45°	361.7	332.3	284.8	247.1	227.5	258.6	222.5	189.8	181.7	175.1	171.9
47.5°	338.8	311.0	256.9	214.4	181.7	186.6	178.4	155.5	145.7	139.1	137.5
50°	319.1	289.7	232.4	183.3	150.5	137.5	144.0	122.8	114.6	108.1	104.7
52.5°	296.2	268.4	206.2	158.7	126.0	108.1	109.6	96.6	88.4	83.5	81.8
55°	278.3	250.4	184.9	139.1	111.3	88.4	78.5	75.3	70.4	67.1	65.5
57.5°	253.7	227.5	163.7	117.8	94.9	72.0	60.6	60.6	59.0	55.6	54.0
59°	238.9	216.0	150.5	106.4	86.7	62.2	54.0	55.6	54.0	50.8	49.1
60°	227.5	206.2	140.8	98.2	81.8	57.3	49.1	52.4	50.8	47.5	45.8
62.5°	201.3	186.6	121.1	81.8	72.0	45.8	40.9	44.2	44.2	42.6	40.9
65°	176.8	160.4	103.1	68.7	67.1	39.3	32.7	39.3	40.9	37.6	34.4
67.5°	153.9	137.5	90.0	55.6	62.2	31.1	24.6	32.7	44.2	34.4	31.1
70°	131.0	114.6	70.4	44.2	65.5	21.2	19.7	29.4	52.4	37.6	29.4
72.5°	101.4	88.4	49.1	32.7	70.4	14.7	14.7	24.6	59.0	40.9	27.9
75°	70.4	57.3	29.4	19.7	57.3	9.8	9.8	22.9	55.6	37.6	26.2
77.5°	40.9	31.1	9.8	1.7	29.4	0.0	1.7	16.4	39.3	22.9	11.5
80°	14.7	6.5	0.0	0.0	18.0	0.0	0.0	0.0	3.3	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°	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0
2.5°	9550.2	9771.2	9969.2	10268.7	10623.9	11033.1	11385.0	11763.0	12118.2	12265.5	12367.0
5°	7317.8	7591.1	7910.2	8350.5	8936.4	9658.3	10334.2	11098.6	11920.2	12331.0	12717.3
7.5°	5173.6	5451.9	5848.0	6316.1	7024.8	7884.1	8767.9	9823.5	10936.6	11586.3	12226.3
10°	3720.2	4062.3	4432.2	5072.2	5792.4	6607.4	7517.4	8695.9	9936.4	10656.6	11427.6
12.5°	2532.0	2921.5	3481.3	4198.2	5044.3	5843.0	6633.6	7758.0	9198.3	9911.9	10738.5
15°	1518.9	1734.9	2327.4	3157.2	4194.9	5190.0	6055.8	7183.5	8718.8	9592.8	10452.1
17.5°	936.2	1036.1	1358.5	2039.3	3129.4	4388.1	5574.7	6988.7	8787.5	9851.4	10771.2
20°	746.4	785.7	888.7	1204.6	2073.7	3504.2	5032.9	6949.5	9348.9	10658.3	11645.2
22.5°	648.2	685.8	754.6	875.7	1304.4	2623.6	4518.9	6985.5	10154.1	11867.8	13020.1
25°	571.2	603.9	669.4	769.3	955.9	1847.8	3969.0	7145.9	11203.4	13368.6	14593.0
27.5°	510.7	538.4	599.1	690.6	819.9	1289.7	3345.5	7340.7	12447.2	14903.9	16111.8
30°	455.0	479.6	533.6	618.6	712.0	991.8	2661.3	7473.2	13692.7	16111.8	17196.9
32.5°	407.6	425.5	474.6	546.6	618.6	790.5	2022.9	7451.9	14617.5	17116.7	17977.7
35°	358.5	376.4	419.0	481.2	538.4	653.0	1590.9	7054.2	15422.8	18159.3	18871.3
37.5°	304.4	327.3	368.2	423.9	463.2	574.5	1286.5	6574.7	16239.5	19350.9	19868.0
40°	258.6	281.5	317.6	378.1	402.6	545.0	988.6	5990.4	17157.7	20683.2	20961.4
42.5°	214.4	235.7	273.3	325.7	379.7	469.8	731.6	5322.6	18039.9	21822.3	21958.2
45°	173.5	194.8	234.0	286.5	405.9	389.6	566.3	4607.3	18751.9	22770.0	22814.2
47.5°	137.5	157.2	198.0	270.1	378.1	311.0	404.3	4046.0	19349.3	23509.7	23393.6
50°	106.4	122.8	165.3	309.4	330.6	256.9	306.1	3859.4	19884.4	23968.1	23666.9
52.5°	83.5	98.2	135.8	289.7	256.9	212.8	256.9	4034.5	20617.7	24347.8	23820.7
55°	67.1	81.8	106.4	165.3	175.1	180.1	219.3	4198.2	21882.9	25238.1	24729.1
57.5°	55.6	70.4	86.7	116.2	132.6	152.2	194.8	4216.2	23373.9	26717.7	26236.6
59°	50.8	63.8	78.5	103.1	116.2	139.1	183.3	4118.0	23899.3	27256.2	27015.6
60°	47.5	60.6	73.7	94.9	108.1	131.0	176.8	4024.7	23922.2	27236.6	27347.8
62.5°	40.9	54.0	65.5	80.2	91.7	111.3	158.7	3679.3	22953.2	26344.5	27148.2
65°	36.1	47.5	59.0	68.7	78.5	99.9	144.0	3049.2	21298.5	24905.9	25781.5
67.5°	32.7	40.9	54.0	60.6	70.4	88.4	127.6	2173.6	19231.4	23146.4	23714.3
70°	29.4	39.3	49.1	55.6	63.8	76.9	109.6	1248.8	16239.5	20570.2	20974.4
72.5°	27.9	37.6	44.2	52.4	57.3	68.7	99.9	587.6	11890.7	16478.4	17534.1
75°	24.6	34.4	40.9	49.1	54.0	62.2	85.1	281.5	7908.6	11925.1	13124.9
77.5°	14.7	27.9	37.6	44.2	47.5	54.0	70.4	162.0	5047.6	8254.0	9722.1
80°	0.0	9.8	27.9	37.6	40.9	45.8	54.0	127.6	2700.6	4715.4	5659.8
82.5°	0.0	0.0	19.7	29.4	27.9	31.1	40.9	80.2	1217.7	3081.9	3473.1
85°	0.0	0.0	6.5	22.9	19.7	14.7	27.9	27.9	266.8	1559.8	1946.1
87.5°	0.0	0.0	0.0	1.7	9.8	6.5	11.5	3.3	1.7	116.2	471.4
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°	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0	11254.0
2.5°	12722.1	12843.3	13047.9	13144.4	13097.0	12895.7	12655.1	12409.6	12265.5	12322.8
5°	13504.6	14128.1	14488.2	14607.7	14408.0	13956.3	13365.4	12586.3	12309.7	12234.5
7.5°	13504.6	14678.0	15421.1	15552.1	15106.9	14221.4	13113.4	11897.3	11493.0	11345.7
10°	13029.8	14627.3	15663.3	15871.2	15249.2	13925.1	12440.6	11052.7	10573.2	10420.9
12.5°	12494.7	14214.9	15306.5	15593.0	15082.3	13630.6	11974.2	10481.5	9916.9	9784.2
15°	12165.7	13707.4	14611.0	14818.8	14602.8	13458.7	11862.9	10309.6	9645.2	9517.5
17.5°	12283.6	13314.7	13640.4	13761.5	13907.2	13398.2	12165.7	10686.1	9844.9	9723.7
20°	12727.1	12900.5	12732.0	12884.2	13277.1	13457.0	12887.5	11596.1	10586.3	10424.2
22.5°	13480.0	12686.2	12213.1	12273.7	12751.7	13651.8	13990.6	12895.7	11730.3	11527.3
25°	14357.3	12859.6	11925.1	11871.1	12362.1	13908.8	14998.8	14309.8	13083.9	12859.6
27.5°	15460.4	13249.2	11866.1	11812.2	12226.3	14149.4	15836.9	15707.6	14509.5	14126.5
30°	16311.5	13632.2	12041.3	11916.9	12362.1	14316.3	16509.5	16894.2	15645.3	15391.7
32.5°	16922.0	14083.9	12326.1	12146.1	12745.1	14604.4	17028.4	17980.9	16696.1	16311.5
35°	17386.8	14574.9	12786.0	12489.7	13272.1	15041.4	17514.5	19138.1	17814.0	17393.4
37.5°	17822.2	15264.0	13504.6	13151.0	14098.7	15745.2	18028.4	20450.7	19064.4	18562.0
40°	18429.4	16044.7	14612.6	14298.3	15488.2	16704.3	18670.0	21819.1	20486.8	19855.0
42.5°	19036.6	16882.7	15746.8	15831.9	17221.5	17869.7	19498.1	23265.9	21891.1	21216.7
45°	19591.5	17746.9	17362.3	17755.1	18830.4	19148.0	20321.4	24102.2	23012.2	22360.8
47.5°	20085.7	18827.1	18967.9	20013.7	20660.2	20305.0	20936.8	24824.1	23847.0	23272.5
50°	20660.2	20224.9	21084.2	22563.8	22766.7	21352.6	21496.6	25678.4	24822.4	24360.8
52.5°	21288.8	21697.9	23428.0	24732.4	24666.9	22490.1	22059.6	26635.9	26159.6	25725.9
55°	22002.3	22887.8	25491.8	26761.9	26706.3	23760.1	22992.6	27819.3	27835.6	27442.7
57.5°	23061.3	23912.4	26892.8	28403.5	28496.8	25226.7	24573.7	29145.0	29351.2	29089.3
59°	23820.7	24576.9	27447.7	29089.3	29469.0	26360.9	25729.2	29914.2	29778.4	29539.4
60°	24383.7	24999.2	27722.7	29447.8	30033.7	27130.2	26581.9	30365.9	29829.1	29539.4
62.5°	25776.6	25919.0	28218.6	29853.7	30683.5	28838.9	28981.3	31135.2	29477.2	29004.2
65°	26426.4	26500.0	28212.0	29127.0	30055.0	30169.6	31158.1	31158.1	28618.0	27891.3
67.5°	26154.7	25799.5	26812.6	26717.7	27644.1	29379.1	31976.5	30015.7	26974.7	26035.2
70°	23945.2	22578.5	22128.4	22169.2	22878.0	25554.0	30356.2	26653.9	23864.9	22766.7
72.5°	19923.8	16645.4	15534.0	16802.5	16987.4	19639.0	25869.9	20072.7	17599.5	16570.1
75°	16025.0	11733.6	9926.7	11265.5	11579.8	14372.0	20012.1	12501.2	10280.2	9478.2
77.5°	11512.6	8422.5	7123.0	7029.6	7435.6	9114.8	14200.1	6291.5	5247.3	4897.1
80°	6540.3	5543.5	5969.1	5632.0	5836.5	5699.0	6746.5	2759.5	2260.3	2113.0
82.5°	3947.7	3276.7	3548.4	2954.3	3738.3	3255.4	2599.1	883.9	767.6	730.0
85°	2568.0	1790.5	932.9	625.3	1288.1	2080.2	581.0	240.6	184.9	147.3
87.5°	885.4	456.6	45.8	19.7	137.5	387.9	21.2	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)