

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: P324530

Luminaire Tested: **GAN-SA6C-750-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324530
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-SA6C-750-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 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: 31358 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

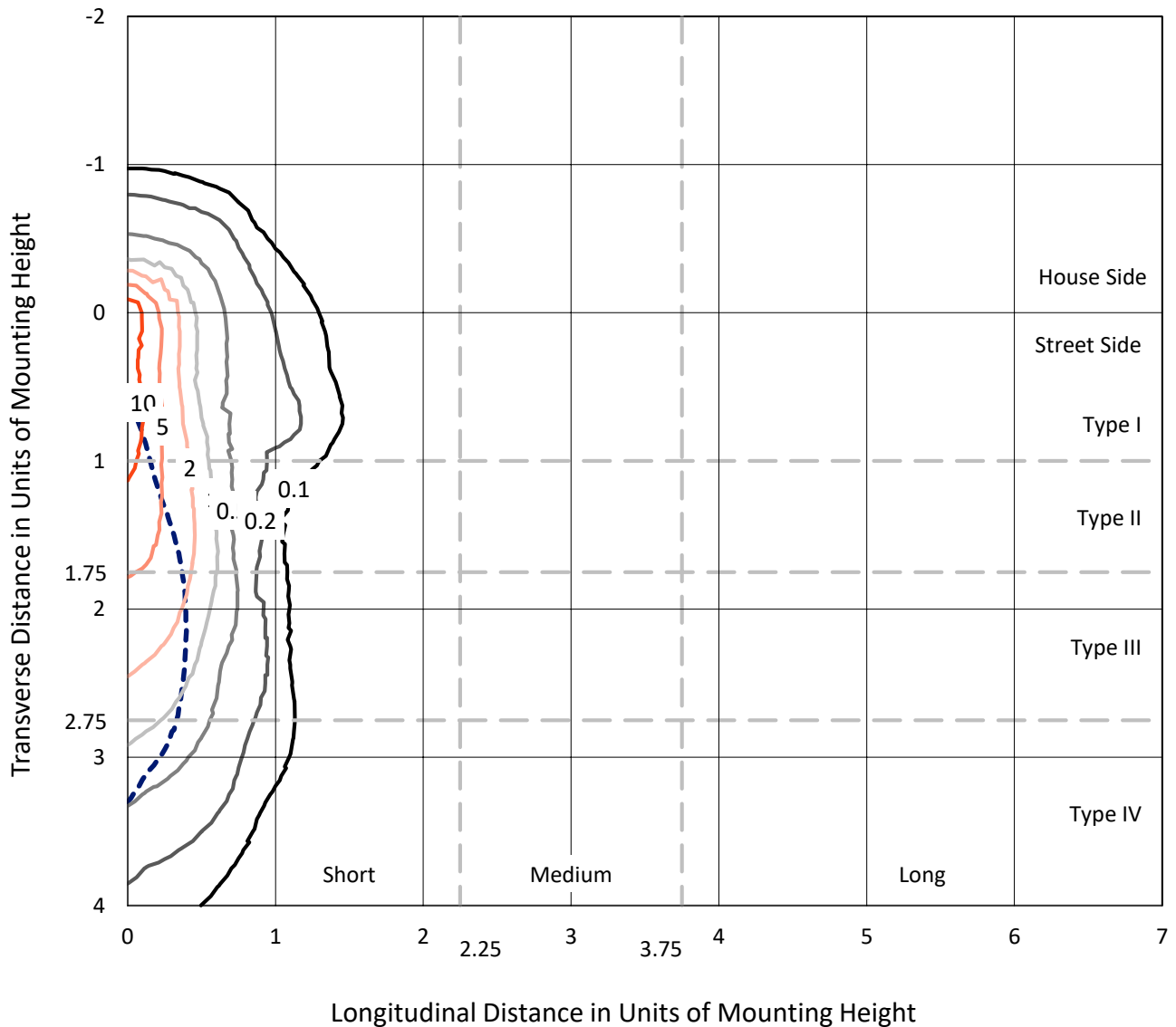
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

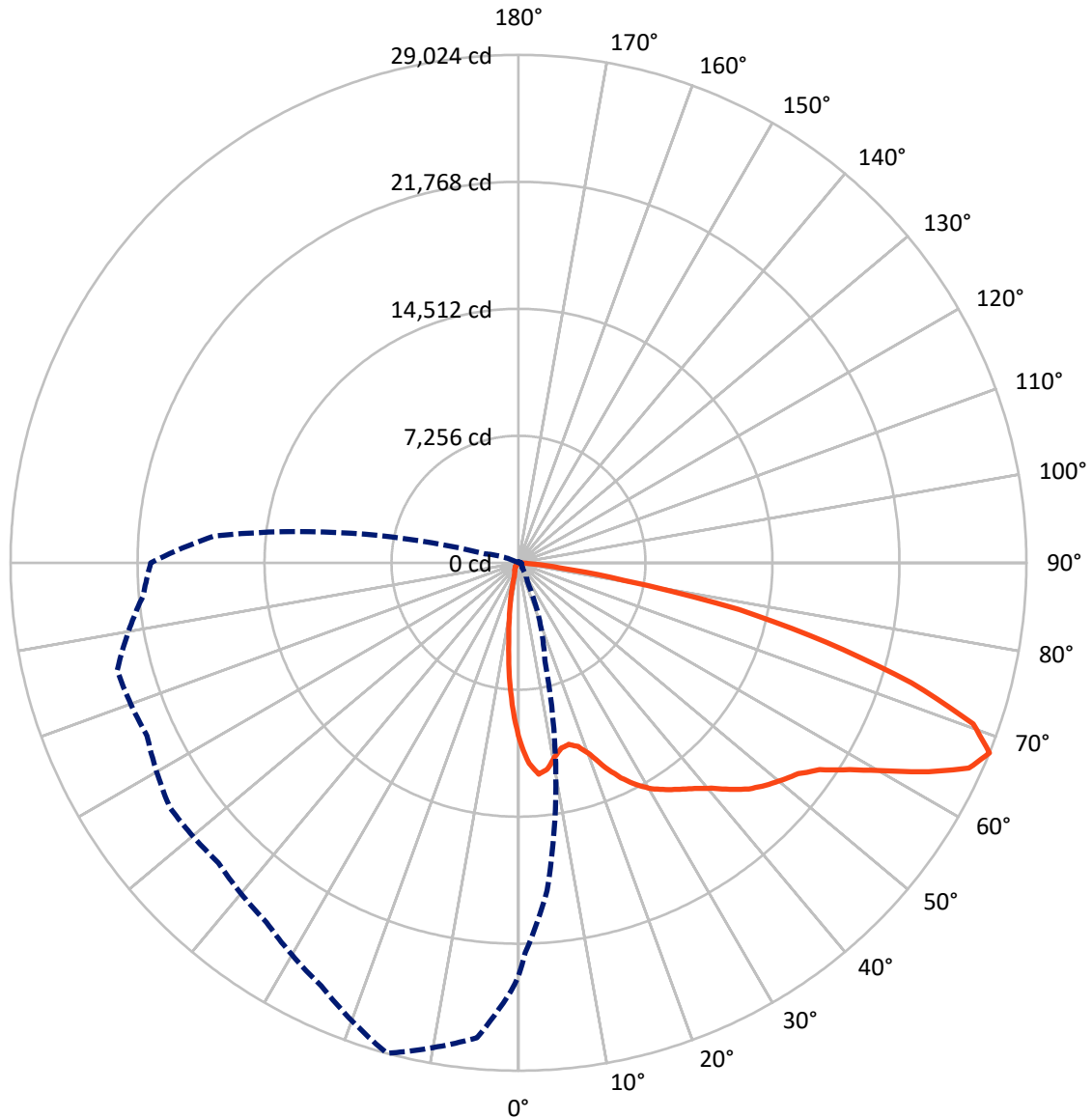
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.3 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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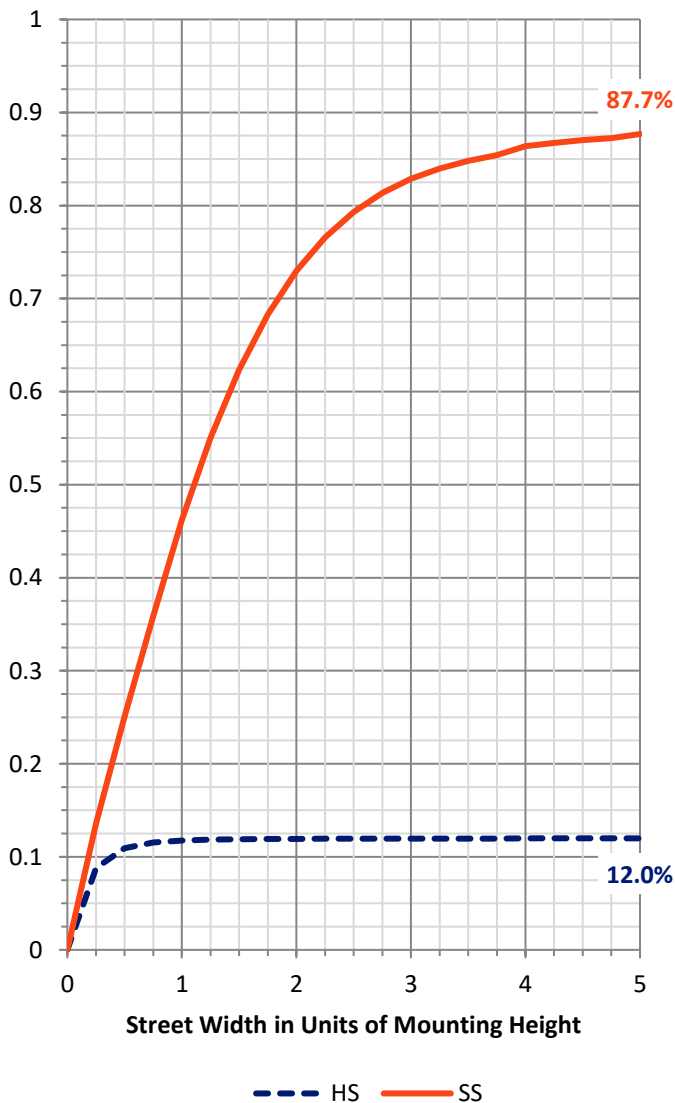
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3795.3	0.0	3795.3
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	27562.7	0.0	27562.7
	% Fixture	87.9	0.0	87.9
Total	Lumens	31358.0	0.0	31358.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	784.0	2.5
10°-20°	1560.5	5.0
20°-30°	2215.9	7.1
30°-40°	3273.0	10.4
40°-50°	4720.4	15.1
50°-60°	6626.4	21.1
60°-70°	7724.5	24.6
70°-80°	3948.9	12.6
80°-90°	504.3	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°	31358.0	100.0
0°-180°	31358.0	100.0

Coefficient of Utilization

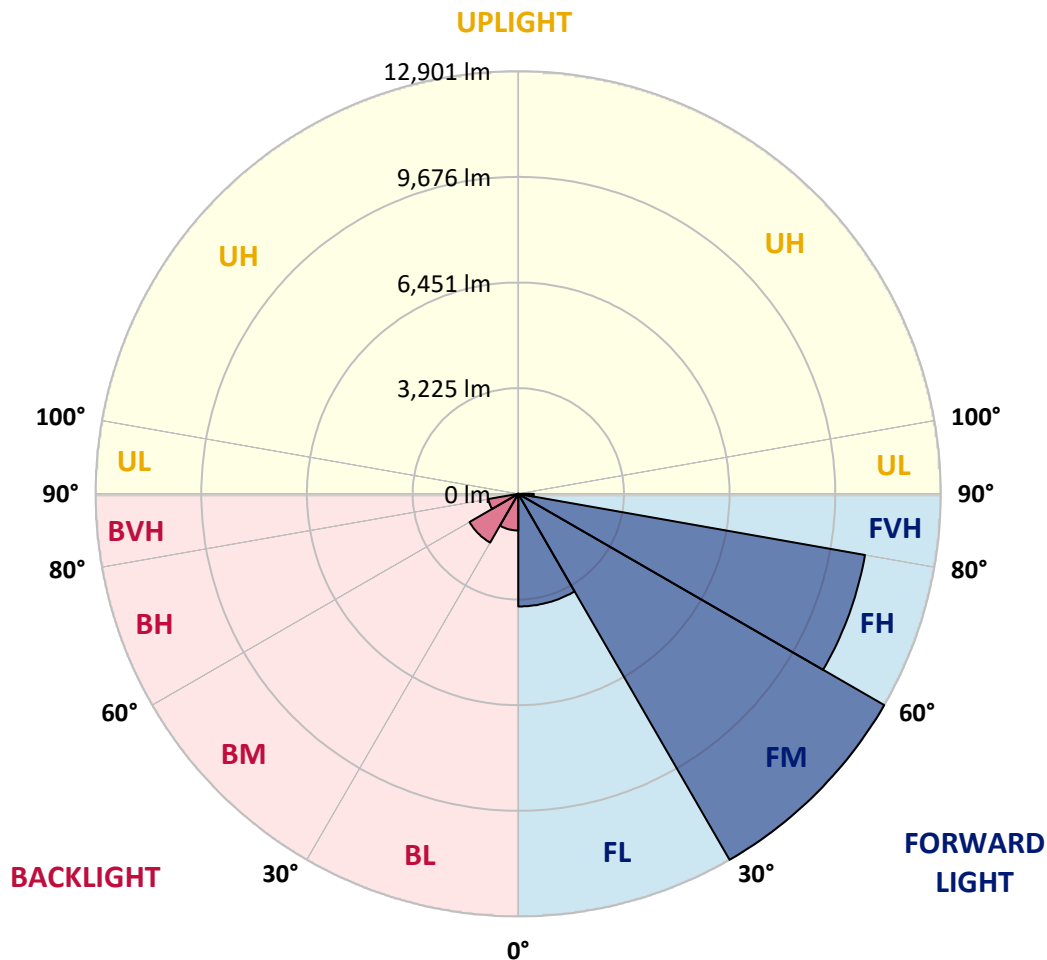


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3439.4	11.0			
FM (30°-60°)	12901.2	41.1			
FH (60°-80°)	10748.4	34.3			G4/12000
FVH (80°-90°)	473.7	1.5			G3/500
BL (0°-30°)	1121.0	3.6	B3/2500		
BM (30°-60°)	1718.7	5.5	B2/2500		
BH (60°-80°)	925.0	2.9	B2/1000		G2/1000
BVH (80°-90°)	30.6	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°	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8
2.5°	11184.9	11098.7	11003.7	10693.2	10405.0	10075.2	9806.3	9619.1	9384.4	9079.8	9002.6
5°	11104.7	11012.6	10714.0	10023.2	9418.5	8830.3	8262.8	7930.0	7517.0	7098.1	6994.1
7.5°	10298.0	10201.4	9770.6	8824.3	8010.2	7160.5	6423.6	5967.6	5501.1	5117.8	4914.3
10°	9458.7	9353.2	8868.9	7720.5	6717.8	5949.7	5409.0	4973.7	4532.5	4122.5	3795.6
12.5°	8880.8	8742.6	8216.7	6915.3	6041.8	5520.4	5015.3	4493.9	3896.7	3456.9	3097.4
15°	8638.6	8481.1	7925.5	6604.9	5802.7	5190.6	4532.5	3892.2	3192.5	2688.9	2359.1
17.5°	8825.8	8620.8	8025.1	6584.1	5502.6	4669.2	3837.2	3085.5	2326.4	1816.9	1582.1
20°	9461.6	9192.7	8436.6	6578.1	5138.6	4049.7	2994.9	2145.2	1533.1	1233.0	1109.7
22.5°	10462.9	10107.8	9027.8	6625.7	4762.8	3399.0	2163.0	1457.3	1151.3	995.3	922.5
25°	11672.2	11260.7	9879.1	6793.5	4433.0	2766.1	1571.7	1151.3	971.6	857.2	796.3
27.5°	12822.0	12487.7	10954.6	7035.7	4177.4	2255.1	1276.1	976.0	830.4	754.7	705.6
30°	13970.3	13549.9	12058.4	7323.9	3869.9	1909.0	1121.6	889.9	744.3	664.1	632.9
32.5°	14805.2	14456.1	12923.0	7531.9	3541.6	1683.2	1002.8	814.1	695.2	613.5	567.5
35°	15787.2	15392.0	13664.3	7577.9	3330.7	1540.5	901.7	732.4	603.1	530.4	481.3
37.5°	16847.9	16356.2	14520.0	7476.9	3165.8	1470.7	826.0	695.2	563.0	488.8	436.8
40°	18021.5	17465.9	15341.5	7331.3	3003.8	1446.9	768.0	667.0	531.8	456.1	402.6
42.5°	19257.5	18602.4	16053.1	7178.3	2901.3	1365.2	762.1	638.8	508.1	426.4	372.9
45°	20295.9	19631.9	16784.0	7127.8	2828.5	1276.1	787.4	619.5	491.7	402.6	350.6
47.5°	21123.4	20495.0	17532.8	7240.7	2786.9	1194.4	717.5	644.7	482.8	381.8	331.3
50°	22111.3	21399.7	18587.5	7577.9	2726.0	1112.7	649.2	738.3	482.8	368.4	314.9
52.5°	23350.3	22646.1	19764.1	8100.8	2604.2	999.8	583.8	739.8	487.3	350.6	294.1
55°	24908.6	24397.6	21444.3	8674.3	2409.6	833.4	505.1	635.8	469.4	317.9	274.8
57.5°	26403.1	25985.7	22975.9	9066.5	2149.6	650.7	439.7	512.5	429.3	279.3	245.1
59°	26811.6	26355.6	23537.4	9084.3	1955.0	567.5	407.0	423.4	420.4	261.5	227.3
60°	26811.6	26327.4	23699.4	8989.2	1813.9	521.4	386.2	377.3	438.2	249.6	216.9
62.5°	26325.9	25645.5	23173.5	8346.0	1479.6	444.2	337.2	312.0	393.7	224.3	191.6
65°	25315.7	24324.8	21381.9	7182.8	1319.2	407.0	291.2	255.5	273.3	197.6	167.9
67.5°	23631.0	22288.1	18798.5	5802.7	1255.3	396.6	251.1	216.9	206.5	169.4	147.1
70°	20664.3	19174.3	15662.4	4562.2	1200.3	392.2	211.0	182.7	166.4	142.6	124.8
72.5°	15040.0	13486.0	11119.5	3566.9	1167.7	401.1	169.4	153.0	136.7	111.4	96.6
75°	8603.0	7585.3	6249.8	2356.1	995.3	383.3	130.7	127.8	98.0	80.2	66.9
77.5°	4444.8	4309.7	3745.1	904.7	476.9	167.9	86.2	74.3	57.9	49.0	40.1
80°	1917.9	1897.1	1641.6	261.5	126.3	93.6	49.0	31.2	26.7	20.8	16.3
82.5°	662.6	662.6	583.8	87.6	56.5	46.1	5.9	0.0	0.0	0.0	0.0
85°	133.7	150.0	105.5	0.0	19.3	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°	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8
2.5°	8909.0	8729.2	8717.4	8604.4	8463.3	8399.4	8362.3	8427.7	8507.9	8516.8	8637.1
5°	6915.3	6726.7	6805.4	6604.9	6645.0	6604.9	6539.5	6551.4	6587.0	6475.6	6613.8
7.5°	4856.3	4713.7	4804.3	4750.9	4822.2	4850.4	4810.3	4750.9	4575.6	4554.8	4675.1
10°	3660.5	3498.5	3402.0	3300.9	3323.2	3369.3	3354.4	3311.3	3199.9	3205.9	3321.7
12.5°	2941.4	2760.2	2568.6	2320.5	2259.6	2293.7	2259.6	2234.3	2127.3	2136.3	2238.8
15°	2231.3	2082.8	1882.2	1683.2	1574.7	1585.1	1490.0	1423.2	1356.3	1276.1	1338.5
17.5°	1506.4	1415.8	1356.3	1296.9	1167.7	1138.0	1017.6	888.4	837.9	800.7	827.5
20°	1066.6	1017.6	993.8	990.9	916.6	879.5	762.1	681.9	656.6	649.2	665.5
22.5°	891.3	855.7	821.5	802.2	765.1	722.0	632.9	592.7	574.9	566.0	577.9
25°	775.5	748.7	713.1	680.4	665.5	619.5	555.6	525.9	514.0	505.1	511.0
27.5°	689.3	665.5	623.9	603.1	591.3	551.1	496.2	472.4	462.0	459.0	457.6
30°	621.0	598.7	560.1	536.3	515.5	479.8	447.2	423.4	413.0	410.0	407.0
32.5°	552.6	534.8	509.6	485.8	463.5	430.8	402.6	383.3	366.9	364.0	362.5
35°	466.5	448.6	435.3	433.8	413.0	381.8	361.0	335.7	322.4	317.9	319.4
37.5°	414.5	390.7	361.0	371.4	365.5	343.2	314.9	289.7	276.3	273.3	273.3
40°	381.8	356.5	322.4	304.5	322.4	317.9	273.3	248.1	234.7	233.2	230.3
42.5°	350.6	325.3	286.7	257.0	265.9	279.3	236.2	212.4	199.1	196.1	191.6
45°	328.3	301.6	258.5	224.3	206.5	234.7	202.0	172.3	164.9	159.0	156.0
47.5°	307.5	282.3	233.2	194.6	164.9	169.4	161.9	141.1	132.2	126.3	124.8
50°	289.7	262.9	211.0	166.4	136.7	124.8	130.7	111.4	104.0	98.0	95.1
52.5°	268.9	243.6	187.2	144.1	114.4	98.0	99.5	87.6	80.2	75.8	74.3
55°	252.5	227.3	167.9	126.3	101.0	80.2	71.3	68.3	63.9	60.9	59.4
57.5°	230.3	206.5	148.6	107.0	86.2	65.4	55.0	55.0	53.5	50.5	49.0
59°	216.9	196.1	136.7	96.6	78.7	56.5	49.0	50.5	49.0	46.1	44.6
60°	206.5	187.2	127.8	89.1	74.3	52.0	44.6	47.5	46.1	43.1	41.6
62.5°	182.7	169.4	109.9	74.3	65.4	41.6	37.1	40.1	40.1	38.6	37.1
65°	160.4	145.6	93.6	62.4	60.9	35.7	29.7	35.7	37.1	34.2	31.2
67.5°	139.6	124.8	81.7	50.5	56.5	28.2	22.3	29.7	40.1	31.2	28.2
70°	118.8	104.0	63.9	40.1	59.4	19.3	17.8	26.7	47.5	34.2	26.7
72.5°	92.1	80.2	44.6	29.7	63.9	13.4	13.4	22.3	53.5	37.1	25.3
75°	63.9	52.0	26.7	17.8	52.0	8.9	8.9	20.8	50.5	34.2	23.8
77.5°	37.1	28.2	8.9	1.5	26.7	0.0	1.5	14.9	35.7	20.8	10.4
80°	13.4	5.9	0.0	0.0	16.3	0.0	0.0	0.0	3.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8
2.5°	8668.3	8868.9	9048.6	9320.5	9642.9	10014.3	10333.7	10676.8	10999.2	11132.9	11225.0
5°	6642.0	6890.1	7179.8	7579.4	8111.2	8766.4	9379.9	10073.7	10819.4	11192.3	11542.9
7.5°	4695.9	4948.4	5308.0	5732.8	6376.1	7156.0	7958.2	8916.4	9926.6	10516.4	11097.2
10°	3376.7	3687.2	4022.9	4603.8	5257.4	5997.3	6823.2	7892.9	9018.9	9672.6	10372.3
12.5°	2298.2	2651.8	3159.8	3810.5	4578.5	5303.5	6021.0	7041.6	8348.9	8996.6	9746.9
15°	1378.6	1574.7	2112.5	2865.7	3807.5	4710.8	5496.6	6520.2	7913.7	8707.0	9486.9
17.5°	849.7	940.4	1233.0	1851.0	2840.4	3982.8	5059.9	6343.4	7976.0	8941.7	9776.6
20°	677.4	713.1	806.7	1093.4	1882.2	3180.6	4568.1	6307.7	8485.6	9674.1	10569.9
22.5°	588.3	622.5	684.8	794.8	1184.0	2381.4	4101.7	6340.4	9216.5	10771.9	11817.7
25°	518.5	548.2	607.6	698.2	867.6	1677.2	3602.5	6486.0	10168.8	12134.2	13245.4
27.5°	463.5	488.8	543.7	626.9	744.3	1170.6	3036.5	6662.8	11297.8	13527.6	14624.0
30°	413.0	435.3	484.3	561.5	646.2	900.3	2415.5	6783.1	12428.3	14624.0	15608.9
32.5°	369.9	386.2	430.8	496.2	561.5	717.5	1836.2	6763.8	13267.7	15536.1	16317.6
35°	325.3	341.7	380.3	436.8	488.8	592.7	1444.0	6402.8	13998.6	16482.4	17128.7
37.5°	276.3	297.1	334.3	384.8	420.4	521.4	1167.7	5967.6	14739.9	17563.9	18033.4
40°	234.7	255.5	288.2	343.2	365.5	494.7	897.3	5437.2	15573.3	18773.2	19025.8
42.5°	194.6	213.9	248.1	295.6	344.7	426.4	664.1	4831.1	16374.0	19807.2	19930.5
45°	157.5	176.8	212.4	260.0	368.4	353.6	514.0	4181.9	17020.2	20667.3	20707.4
47.5°	124.8	142.6	179.8	245.1	343.2	282.3	366.9	3672.3	17562.5	21338.8	21233.3
50°	96.6	111.4	150.0	280.8	300.1	233.2	277.8	3503.0	18048.2	21754.8	21481.4
52.5°	75.8	89.1	123.3	262.9	233.2	193.1	233.2	3661.9	18713.8	22099.4	21621.1
55°	60.9	74.3	96.6	150.0	159.0	163.4	199.1	3810.5	19862.1	22907.6	22445.5
57.5°	50.5	63.9	78.7	105.5	120.3	138.2	176.8	3826.8	21215.5	24250.5	23813.8
59°	46.1	57.9	71.3	93.6	105.5	126.3	166.4	3737.7	21692.4	24739.3	24520.9
60°	43.1	55.0	66.9	86.2	98.0	118.8	160.4	3653.0	21713.2	24721.4	24822.5
62.5°	37.1	49.0	59.4	72.8	83.2	101.0	144.1	3339.6	20833.7	23911.8	24641.2
65°	32.7	43.1	53.5	62.4	71.3	90.6	130.7	2767.6	19331.8	22606.0	23400.8
67.5°	29.7	37.1	49.0	55.0	63.9	80.2	115.9	1972.8	17455.5	21009.0	21524.5
70°	26.7	35.7	44.6	50.5	57.9	69.8	99.5	1133.5	14739.9	18670.7	19037.6
72.5°	25.3	34.2	40.1	47.5	52.0	62.4	90.6	533.3	10792.7	14956.8	15915.0
75°	22.3	31.2	37.1	44.6	49.0	56.5	77.2	255.5	7178.3	10823.9	11912.8
77.5°	13.4	25.3	34.2	40.1	43.1	49.0	63.9	147.1	4581.5	7491.8	8824.3
80°	0.0	8.9	25.3	34.2	37.1	41.6	49.0	115.9	2451.2	4279.9	5137.1
82.5°	0.0	0.0	17.8	26.7	25.3	28.2	37.1	72.8	1105.3	2797.3	3152.4
85°	0.0	0.0	5.9	20.8	17.8	13.4	25.3	25.3	242.1	1415.8	1766.3
87.5°	0.0	0.0	0.0	1.5	8.9	5.9	10.4	3.0	1.5	105.5	427.8
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°	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8	10214.8
2.5°	11547.4	11657.3	11843.0	11930.6	11887.6	11704.8	11486.5	11263.6	11132.9	11184.9
5°	12257.5	12823.5	13150.3	13258.8	13077.5	12667.5	12131.2	11424.1	11173.0	11104.7
7.5°	12257.5	13322.6	13997.1	14115.9	13711.9	12908.2	11902.4	10798.6	10431.7	10298.0
10°	11826.7	13276.6	14216.9	14405.6	13841.1	12639.3	11291.9	10032.1	9596.8	9458.7
12.5°	11340.9	12902.2	13893.1	14153.1	13689.6	12371.9	10868.5	9513.6	9001.1	8880.8
15°	11042.3	12441.7	13261.7	13450.4	13254.3	12215.9	10767.4	9357.6	8754.5	8638.6
17.5°	11149.2	12085.1	12380.8	12490.7	12622.9	12160.9	11042.3	9699.3	8935.7	8825.8
20°	11551.8	11709.3	11556.3	11694.4	12051.0	12214.4	11697.4	10525.3	9608.7	9461.6
22.5°	12235.2	11514.7	11085.4	11140.3	11574.1	12391.2	12698.7	11704.8	10647.1	10462.9
25°	13031.5	11672.2	10823.9	10774.9	11220.5	12624.4	13613.8	12988.4	11875.7	11672.2
27.5°	14032.7	12025.7	10770.4	10721.4	11097.2	12842.8	14374.4	14257.1	13169.6	12822.0
30°	14805.2	12373.4	10929.4	10816.5	11220.5	12994.3	14985.0	15334.1	14200.6	13970.3
32.5°	15359.4	12783.4	11187.9	11024.4	11568.2	13255.8	15455.9	16320.5	15154.3	14805.2
35°	15781.3	13229.0	11605.3	11336.4	12046.5	13652.4	15897.1	17370.8	16169.0	15787.2
37.5°	16176.4	13854.5	12257.5	11936.6	12796.7	14291.2	16363.6	18562.3	17304.0	16847.9
40°	16727.6	14563.1	13263.2	12978.0	14058.0	15161.8	16945.9	19804.2	18594.9	18021.5
42.5°	17278.7	15323.7	14292.7	14370.0	15631.2	16219.5	17697.6	21117.4	19869.6	19257.5
45°	17782.3	16108.1	15759.0	16115.5	17091.5	17379.7	18444.9	21876.6	20887.2	20295.9
47.5°	18231.0	17088.6	17216.3	18165.6	18752.4	18430.0	19003.5	22531.7	21644.8	21123.4
50°	18752.4	18357.2	19137.2	20480.1	20664.3	19380.8	19511.5	23307.2	22530.2	22111.3
52.5°	19322.9	19694.3	21264.5	22448.5	22389.1	20413.3	20022.6	24176.2	23743.9	23350.3
55°	19970.6	20774.3	23137.8	24290.6	24240.1	21566.1	20869.4	25250.3	25265.2	24908.6
57.5°	20931.7	21704.2	24409.5	25780.7	25865.3	22897.2	22304.4	26453.6	26640.8	26403.1
59°	21621.1	22307.4	24913.1	26403.1	26747.8	23926.7	23353.2	27151.8	27028.5	26811.6
60°	22132.1	22690.7	25162.7	26728.5	27260.3	24624.9	24127.2	27561.9	27074.6	26811.6
62.5°	23396.3	23525.6	25612.8	27096.9	27850.1	26175.8	26305.1	28260.1	26755.2	26325.9
65°	23986.1	24052.9	25606.8	26437.3	27279.6	27383.6	28280.9	28280.9	25975.3	25315.7
67.5°	23739.5	23417.1	24336.7	24250.5	25091.4	26666.1	29023.7	27244.0	24483.8	23631.0
70°	21734.0	20493.5	20085.0	20122.1	20765.4	23194.3	27553.0	24192.6	21661.2	20664.3
72.5°	18083.9	15108.3	14099.6	15250.9	15418.8	17825.4	23481.0	18219.1	15974.4	15040.0
75°	14545.3	10650.1	9010.0	10225.2	10510.4	13044.8	18164.1	11346.8	9330.9	8603.0
77.5°	10449.5	7644.8	6465.2	6380.5	6749.0	8273.2	12888.8	5710.5	4762.8	4444.8
80°	5936.4	5031.6	5417.9	5111.9	5297.6	5172.8	6123.5	2504.7	2051.6	1917.9
82.5°	3583.2	2974.1	3220.7	2681.5	3393.1	2954.8	2359.1	802.2	696.7	662.6
85°	2330.9	1625.2	846.8	567.5	1169.1	1888.2	527.4	218.4	167.9	133.7
87.5°	803.7	414.5	41.6	17.8	124.8	352.1	19.3	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)