

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: P324490

Luminaire Tested: **GAN-SA6C-740-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324490
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-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 31359 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

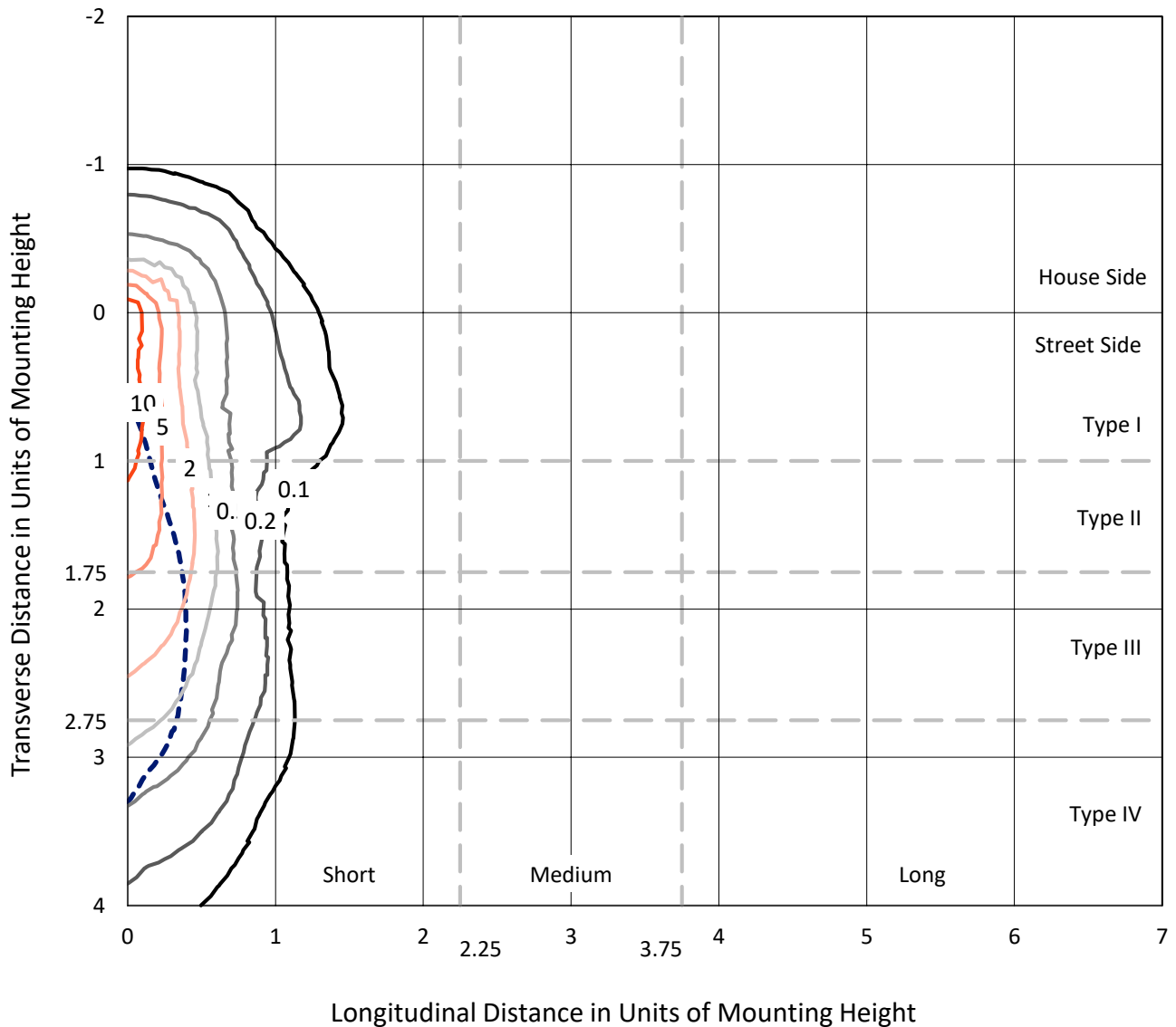
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

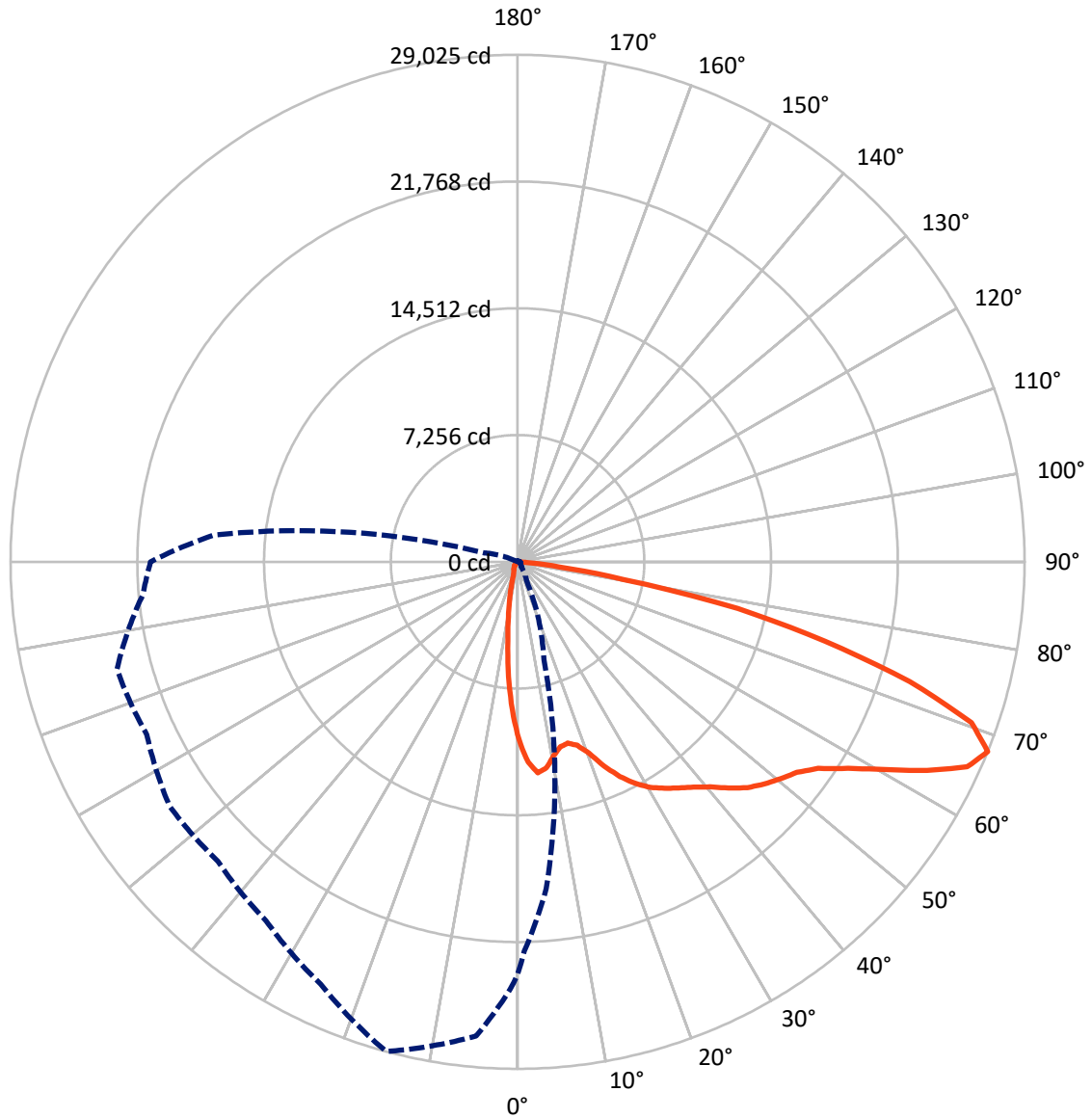
× Max cd
 - - - 1/2 Max cd



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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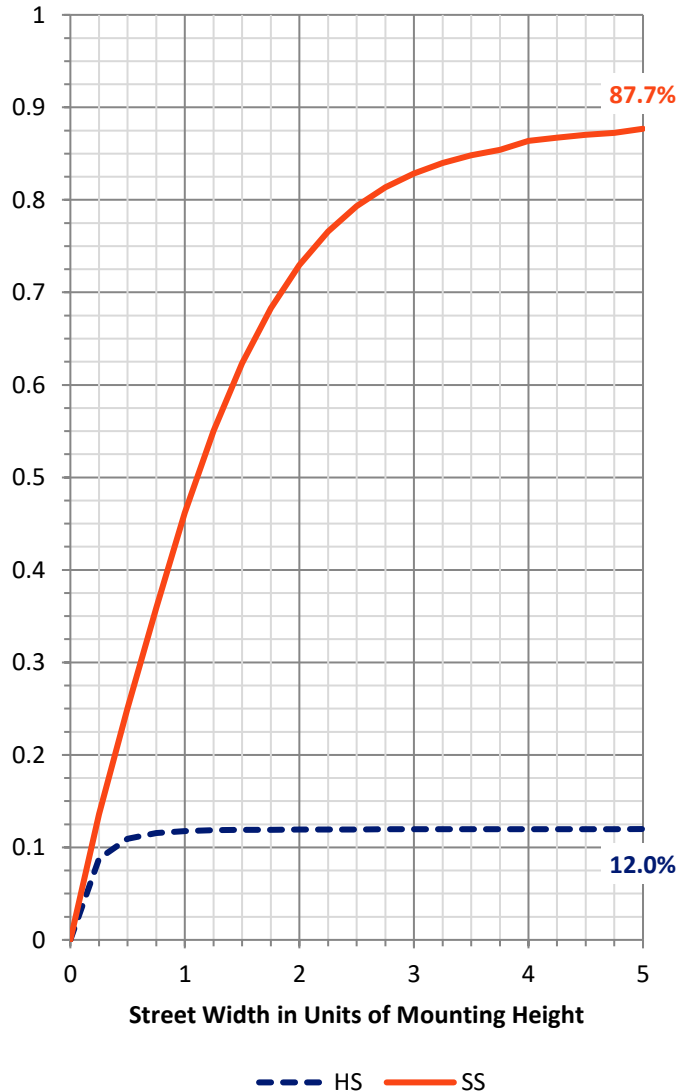
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3795.5	0.0	3795.5
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	27563.5	0.0	27563.5
	% Fixture	87.9	0.0	87.9
Total	Lumens	31359.0	0.0	31359.0
	% 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°	2216.0	7.1
30°-40°	3273.1	10.4
40°-50°	4720.5	15.1
50°-60°	6626.7	21.1
60°-70°	7724.8	24.6
70°-80°	3949.1	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°	31359.0	100.0
0°-180°	31359.0	100.0

Coefficient of Utilization

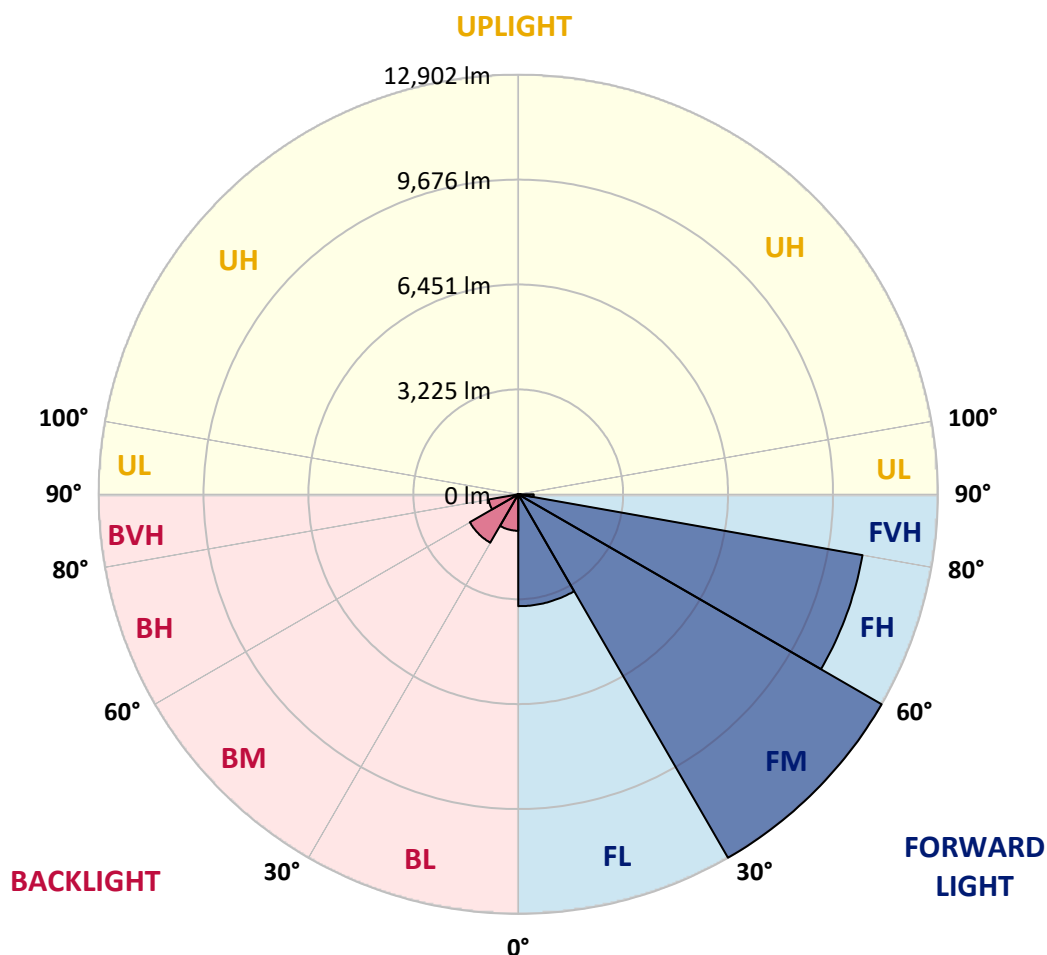


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3439.5	11.0			
FM (30°-60°)	12901.6	41.1			
FH (60°-80°)	10748.8	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°)	925.1	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°	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1
2.5°	11185.2	11099.1	11004.0	10693.5	10405.3	10075.5	9806.6	9619.4	9384.7	9080.1	9002.9
5°	11105.0	11012.9	10714.3	10023.5	9418.8	8830.5	8263.0	7930.2	7517.2	7098.3	6994.3
7.5°	10298.3	10201.8	9770.9	8824.6	8010.5	7160.7	6423.8	5967.7	5501.3	5118.0	4914.4
10°	9459.0	9353.5	8869.2	7720.8	6718.0	5949.9	5409.1	4973.9	4532.6	4122.6	3795.8
12.5°	8881.0	8742.9	8217.0	6915.6	6042.0	5520.6	5015.5	4494.0	3896.8	3457.0	3097.5
15°	8638.9	8481.4	7925.8	6605.1	5802.8	5190.8	4532.6	3892.3	3192.6	2689.0	2359.2
17.5°	8826.1	8621.1	8025.3	6584.3	5502.7	4669.3	3837.4	3085.6	2326.5	1816.9	1582.2
20°	9461.9	9193.0	8436.8	6578.3	5138.8	4049.8	2995.0	2145.2	1533.2	1233.1	1109.8
22.5°	10463.2	10108.2	9028.1	6625.9	4762.9	3399.1	2163.1	1457.4	1151.4	995.4	922.6
25°	11672.5	11261.0	9879.4	6793.7	4433.1	2766.2	1571.8	1151.4	971.6	857.2	796.3
27.5°	12822.4	12488.1	10955.0	7035.9	4177.6	2255.2	1276.1	976.1	830.5	754.7	705.7
30°	13970.8	13550.4	12058.8	7324.1	3870.0	1909.0	1121.6	889.9	744.3	664.1	632.9
32.5°	14805.7	14456.6	12923.4	7532.1	3541.7	1683.2	1002.8	814.1	695.3	613.6	567.5
35°	15787.7	15392.5	13664.8	7578.2	3330.8	1540.6	901.8	732.4	603.2	530.4	481.3
37.5°	16848.4	16356.7	14520.5	7477.1	3165.9	1470.8	826.0	695.3	563.1	488.8	436.8
40°	18022.1	17466.5	15342.0	7331.5	3003.9	1447.0	768.1	667.0	531.9	456.1	402.6
42.5°	19258.1	18603.0	16053.6	7178.5	2901.4	1365.3	762.1	638.8	508.1	426.4	372.9
45°	20296.6	19632.5	16784.6	7128.0	2828.6	1276.1	787.4	619.5	491.7	402.6	350.6
47.5°	21124.1	20495.6	17533.3	7240.9	2787.0	1194.4	717.6	644.8	482.8	381.8	331.3
50°	22112.0	21400.4	18588.1	7578.2	2726.1	1112.7	649.2	738.4	482.8	368.4	315.0
52.5°	23351.0	22646.8	19764.7	8101.1	2604.3	999.8	583.8	739.8	487.3	350.6	294.2
55°	24909.4	24398.4	21445.0	8674.5	2409.7	833.4	505.1	635.8	469.5	317.9	274.8
57.5°	26404.0	25986.5	22976.6	9066.8	2149.7	650.7	439.7	512.5	429.3	279.3	245.1
59°	26812.5	26356.4	23538.2	9084.6	1955.1	567.5	407.1	423.4	420.4	261.5	227.3
60°	26812.5	26328.2	23700.1	8989.5	1813.9	521.5	386.3	377.3	438.3	249.6	216.9
62.5°	26326.7	25646.3	23174.2	8346.2	1479.7	444.2	337.2	312.0	393.7	224.3	191.6
65°	25316.5	24325.6	21382.6	7183.0	1319.2	407.1	291.2	255.5	273.4	197.6	167.9
67.5°	23631.8	22288.8	18799.1	5802.8	1255.4	396.7	251.1	216.9	206.5	169.4	147.1
70°	20665.0	19174.9	15662.9	4562.3	1200.4	392.2	211.0	182.7	166.4	142.6	124.8
72.5°	15040.4	13486.5	11119.9	3567.0	1167.7	401.1	169.4	153.0	136.7	111.4	96.6
75°	8603.2	7585.6	6250.0	2356.2	995.4	383.3	130.7	127.8	98.1	80.2	66.9
77.5°	4445.0	4309.8	3745.3	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	87.7	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°	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1
2.5°	8909.3	8729.5	8717.6	8604.7	8463.6	8399.7	8362.6	8427.9	8508.2	8517.1	8637.4
5°	6915.6	6726.9	6805.6	6605.1	6645.2	6605.1	6539.7	6551.6	6587.2	6475.8	6614.0
7.5°	4856.5	4713.9	4804.5	4751.0	4822.3	4850.6	4810.4	4751.0	4575.7	4554.9	4675.3
10°	3660.6	3498.6	3402.1	3301.1	3323.3	3369.4	3354.5	3311.5	3200.0	3206.0	3321.9
12.5°	2941.5	2760.3	2568.6	2320.5	2259.6	2293.8	2259.6	2234.4	2127.4	2136.3	2238.8
15°	2231.4	2082.8	1882.3	1683.2	1574.8	1585.2	1490.1	1423.2	1356.4	1276.1	1338.5
17.5°	1506.4	1415.8	1356.4	1296.9	1167.7	1138.0	1017.7	888.4	837.9	800.8	827.5
20°	1066.7	1017.7	993.9	990.9	916.6	879.5	762.1	681.9	656.6	649.2	665.6
22.5°	891.4	855.7	821.5	802.2	765.1	722.0	632.9	592.8	574.9	566.0	577.9
25°	775.5	748.8	713.1	680.4	665.6	619.5	555.6	525.9	514.0	505.1	511.1
27.5°	689.3	665.6	624.0	603.2	591.3	551.2	496.2	472.4	462.0	459.1	457.6
30°	621.0	598.7	560.1	536.3	515.5	479.9	447.2	423.4	413.0	410.0	407.1
32.5°	552.7	534.8	509.6	485.8	463.5	430.8	402.6	383.3	366.9	364.0	362.5
35°	466.5	448.7	435.3	433.8	413.0	381.8	361.0	335.8	322.4	317.9	319.4
37.5°	414.5	390.7	361.0	371.4	365.5	343.2	315.0	289.7	276.3	273.4	273.4
40°	381.8	356.5	322.4	304.6	322.4	317.9	273.4	248.1	234.7	233.2	230.3
42.5°	350.6	325.4	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	263.0	211.0	166.4	136.7	124.8	130.7	111.4	104.0	98.1	95.1
52.5°	268.9	243.6	187.2	144.1	114.4	98.1	99.5	87.7	80.2	75.8	74.3
55°	252.6	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°	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1
2.5°	8668.6	8869.2	9048.9	9320.8	9643.2	10014.6	10334.0	10677.2	10999.5	11133.3	11225.4
5°	6642.2	6890.3	7180.0	7579.6	8111.5	8766.7	9380.2	10074.0	10819.8	11192.7	11543.3
7.5°	4696.1	4948.6	5308.1	5733.0	6376.3	7156.2	7958.5	8916.7	9926.9	10516.7	11097.6
10°	3376.8	3687.3	4023.1	4603.9	5257.6	5997.5	6823.5	7893.1	9019.2	9672.9	10372.6
12.5°	2298.3	2651.8	3159.9	3810.6	4578.7	5303.7	6021.2	7041.8	8349.2	8996.9	9747.2
15°	1378.7	1574.8	2112.6	2865.8	3807.6	4710.9	5496.8	6520.4	7913.9	8707.2	9487.2
17.5°	849.8	940.4	1233.1	1851.1	2840.5	3983.0	5060.0	6343.6	7976.3	8942.0	9776.9
20°	677.4	713.1	806.7	1093.4	1882.3	3180.7	4568.3	6308.0	8485.9	9674.4	10570.2
22.5°	588.3	622.5	684.9	794.8	1184.0	2381.5	4101.8	6340.6	9216.8	10772.2	11818.1
25°	518.5	548.2	607.6	698.2	867.6	1677.3	3602.6	6486.2	10169.1	12134.6	13245.8
27.5°	463.5	488.8	543.7	626.9	744.3	1170.7	3036.6	6663.0	11298.2	13528.1	14624.5
30°	413.0	435.3	484.3	561.6	646.2	900.3	2415.6	6783.3	12428.7	14624.5	15609.4
32.5°	369.9	386.3	430.8	496.2	561.6	717.6	1836.2	6764.0	13268.1	15536.6	16318.1
35°	325.4	341.7	380.3	436.8	488.8	592.8	1444.0	6403.0	13999.0	16483.0	17129.2
37.5°	276.3	297.1	334.3	384.8	420.4	521.5	1167.7	5967.7	14740.3	17564.5	18034.0
40°	234.7	255.5	288.2	343.2	365.5	494.7	897.3	5437.4	15573.8	18773.8	19026.4
42.5°	194.6	213.9	248.1	295.6	344.7	426.4	664.1	4831.2	16374.5	19807.8	19931.1
45°	157.5	176.8	212.4	260.0	368.4	353.6	514.0	4182.0	17020.8	20668.0	20708.1
47.5°	124.8	142.6	179.8	245.1	343.2	282.3	366.9	3672.5	17563.0	21339.5	21234.0
50°	96.6	111.4	150.0	280.8	300.1	233.2	277.8	3503.1	18048.8	21755.4	21482.1
52.5°	75.8	89.1	123.3	263.0	233.2	193.1	233.2	3662.1	18714.4	22100.1	21621.7
55°	60.9	74.3	96.6	150.0	159.0	163.4	199.1	3810.6	19862.8	22908.3	22446.3
57.5°	50.5	63.9	78.7	105.5	120.3	138.2	176.8	3827.0	21216.2	24251.3	23814.5
59°	46.1	57.9	71.3	93.6	105.5	126.3	166.4	3737.8	21693.1	24740.1	24521.7
60°	43.1	55.0	66.9	86.2	98.1	118.8	160.4	3653.1	21713.8	24722.2	24823.3
62.5°	37.1	49.0	59.4	72.8	83.2	101.0	144.1	3339.7	20834.4	23912.6	24642.0
65°	32.7	43.1	53.5	62.4	71.3	90.6	130.7	2767.7	19332.4	22606.7	23401.5
67.5°	29.7	37.1	49.0	55.0	63.9	80.2	115.9	1972.9	17456.1	21009.7	21525.2
70°	26.7	35.7	44.6	50.5	57.9	69.8	99.5	1133.5	14740.3	18671.3	19038.2
72.5°	25.3	34.2	40.1	47.5	52.0	62.4	90.6	533.3	10793.0	14957.2	15915.5
75°	22.3	31.2	37.1	44.6	49.0	56.5	77.3	255.5	7178.5	10824.2	11913.2
77.5°	13.4	25.3	34.2	40.1	43.1	49.0	63.9	147.1	4581.7	7492.0	8824.6
80°	0.0	8.9	25.3	34.2	37.1	41.6	49.0	115.9	2451.3	4280.1	5137.3
82.5°	0.0	0.0	17.8	26.7	25.3	28.2	37.1	72.8	1105.3	2797.4	3152.5
85°	0.0	0.0	5.9	20.8	17.8	13.4	25.3	25.3	242.2	1415.8	1766.4
87.5°	0.0	0.0	0.0	1.5	8.9	5.9	10.4	3.0	1.5	105.5	427.9
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°	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1	10215.1
2.5°	11547.7	11657.7	11843.4	11931.0	11887.9	11705.2	11486.8	11264.0	11133.3	11185.2
5°	12257.9	12823.9	13150.7	13259.2	13077.9	12667.9	12131.6	11424.4	11173.4	11105.0
7.5°	12257.9	13323.1	13997.5	14116.4	13712.3	12908.6	11902.8	10799.0	10432.0	10298.3
10°	11827.0	13277.0	14217.4	14406.1	13841.5	12639.7	11292.2	10032.4	9597.1	9459.0
12.5°	11341.2	12902.6	13893.5	14153.5	13690.0	12372.3	10868.8	9513.9	9001.4	8881.0
15°	11042.6	12442.1	13262.1	13450.8	13254.7	12216.3	10767.8	9357.9	8754.8	8638.9
17.5°	11149.6	12085.5	12381.2	12491.1	12623.3	12161.3	11042.6	9699.6	8936.0	8826.1
20°	11552.2	11709.7	11556.7	11694.8	12051.4	12214.8	11697.8	10525.6	9609.0	9461.9
22.5°	12235.6	11515.1	11085.7	11140.7	11574.5	12391.6	12699.1	11705.2	10647.5	10463.2
25°	13031.9	11672.5	10824.2	10775.2	11220.9	12624.8	13614.2	12988.8	11876.1	11672.5
27.5°	14033.2	12026.1	10770.8	10721.7	11097.6	12843.2	14374.9	14257.5	13170.0	12822.4
30°	14805.7	12373.7	10929.7	10816.8	11220.9	12994.7	14985.5	15334.6	14201.1	13970.8
32.5°	15359.8	12783.8	11188.2	11024.8	11568.5	13256.2	15456.4	16321.0	15154.8	14805.7
35°	15781.8	13229.5	11605.7	11336.8	12046.9	13652.9	15897.6	17371.4	16169.5	15787.7
37.5°	16176.9	13854.9	12257.9	11937.0	12797.1	14291.7	16364.1	18562.8	17304.5	16848.4
40°	16728.1	14563.6	13263.6	12978.4	14058.4	15162.3	16946.5	19804.8	18595.5	18022.1
42.5°	17279.3	15324.2	14293.2	14370.4	15631.7	16220.0	17698.2	21118.1	19870.2	19258.1
45°	17782.9	16108.6	15759.5	16116.0	17092.1	17380.3	18445.5	21877.3	20887.8	20296.6
47.5°	18231.6	17089.1	17216.9	18166.2	18753.0	18430.6	19004.1	22532.4	21645.5	21124.1
50°	18753.0	18357.8	19137.8	20480.8	20665.0	19381.4	19512.2	23307.9	22530.9	22112.0
52.5°	19323.5	19694.9	21265.2	22449.2	22389.8	20413.9	20023.2	24177.0	23744.7	23351.0
55°	19971.2	20774.9	23138.6	24291.4	24240.9	21566.8	20870.0	25251.1	25266.0	24909.4
57.5°	20932.4	21704.9	24410.3	25781.5	25866.2	22897.9	22305.1	26454.5	26641.7	26404.0
59°	21621.7	22308.1	24913.9	26404.0	26748.6	23927.4	23354.0	27152.7	27029.4	26812.5
60°	22132.8	22691.4	25163.5	26729.3	27261.2	24625.7	24128.0	27562.7	27075.5	26812.5
62.5°	23397.1	23526.3	25613.6	27097.7	27851.0	26176.7	26305.9	28261.0	26756.1	26326.7
65°	23986.9	24053.7	25607.7	26438.1	27280.5	27384.5	28281.8	28281.8	25976.1	25316.5
67.5°	23740.2	23417.9	24337.5	24251.3	25092.2	26666.9	29024.6	27244.8	24484.5	23631.8
70°	21734.6	20494.2	20085.6	20122.7	20766.0	23195.0	27553.8	24193.4	21661.9	20665.0
72.5°	18084.5	15108.8	14100.0	15251.4	15419.3	17826.0	23481.7	18219.7	15974.9	15040.4
75°	14545.7	10650.4	9010.3	10225.5	10510.8	13045.2	18164.7	11347.2	9331.2	8603.2
77.5°	10449.9	7645.0	6465.4	6380.7	6749.2	8273.4	12889.3	5710.7	4762.9	4445.0
80°	5936.5	5031.8	5418.1	5112.0	5297.7	5172.9	6123.7	2504.8	2051.6	1917.9
82.5°	3583.3	2974.2	3220.8	2681.5	3393.2	2954.9	2359.2	802.2	696.8	662.6
85°	2330.9	1625.3	846.8	567.5	1169.2	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)