

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: P324127

Luminaire Tested: **GAN-SA3C-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324127
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-SA3C-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 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: 14579 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

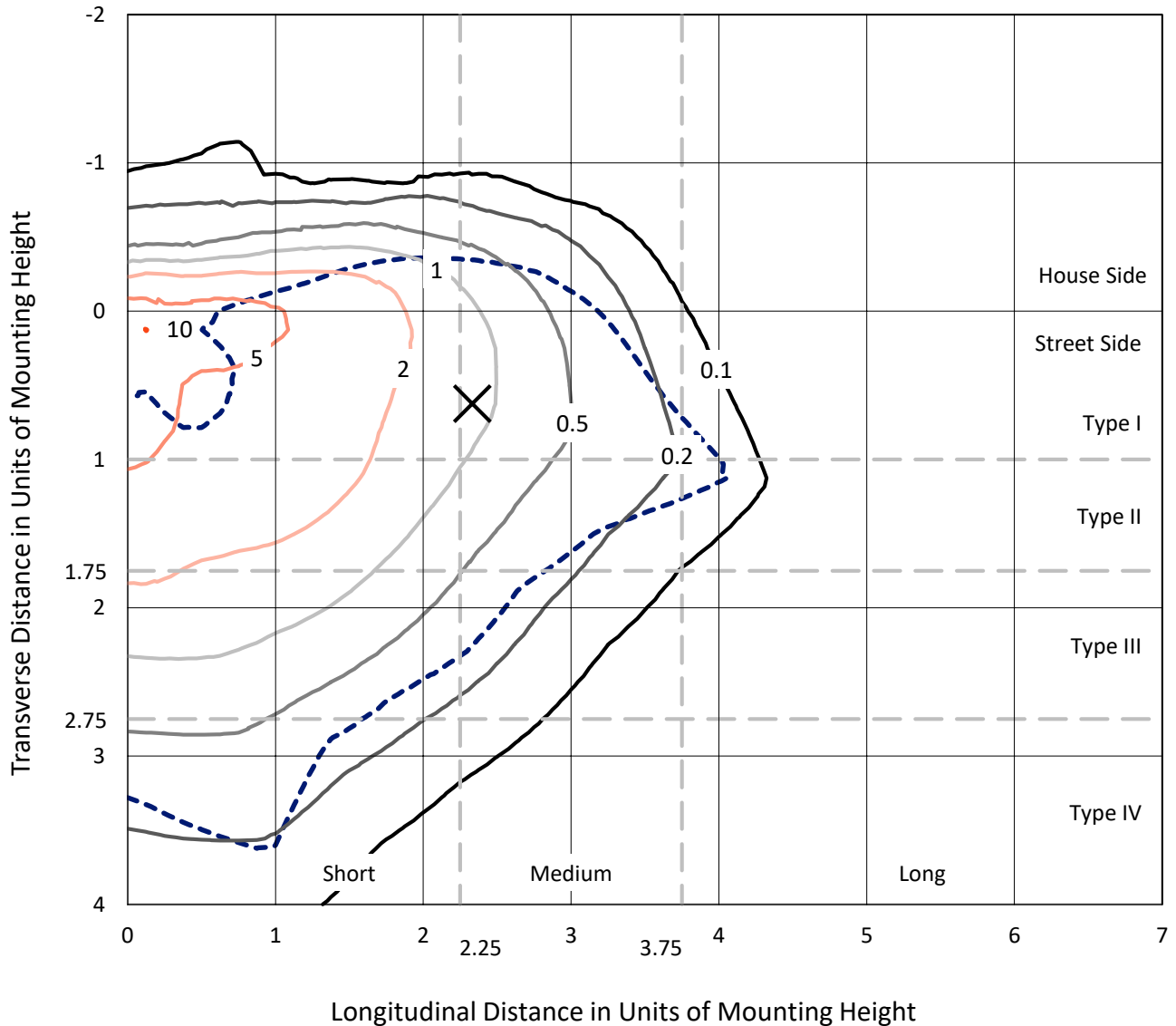
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

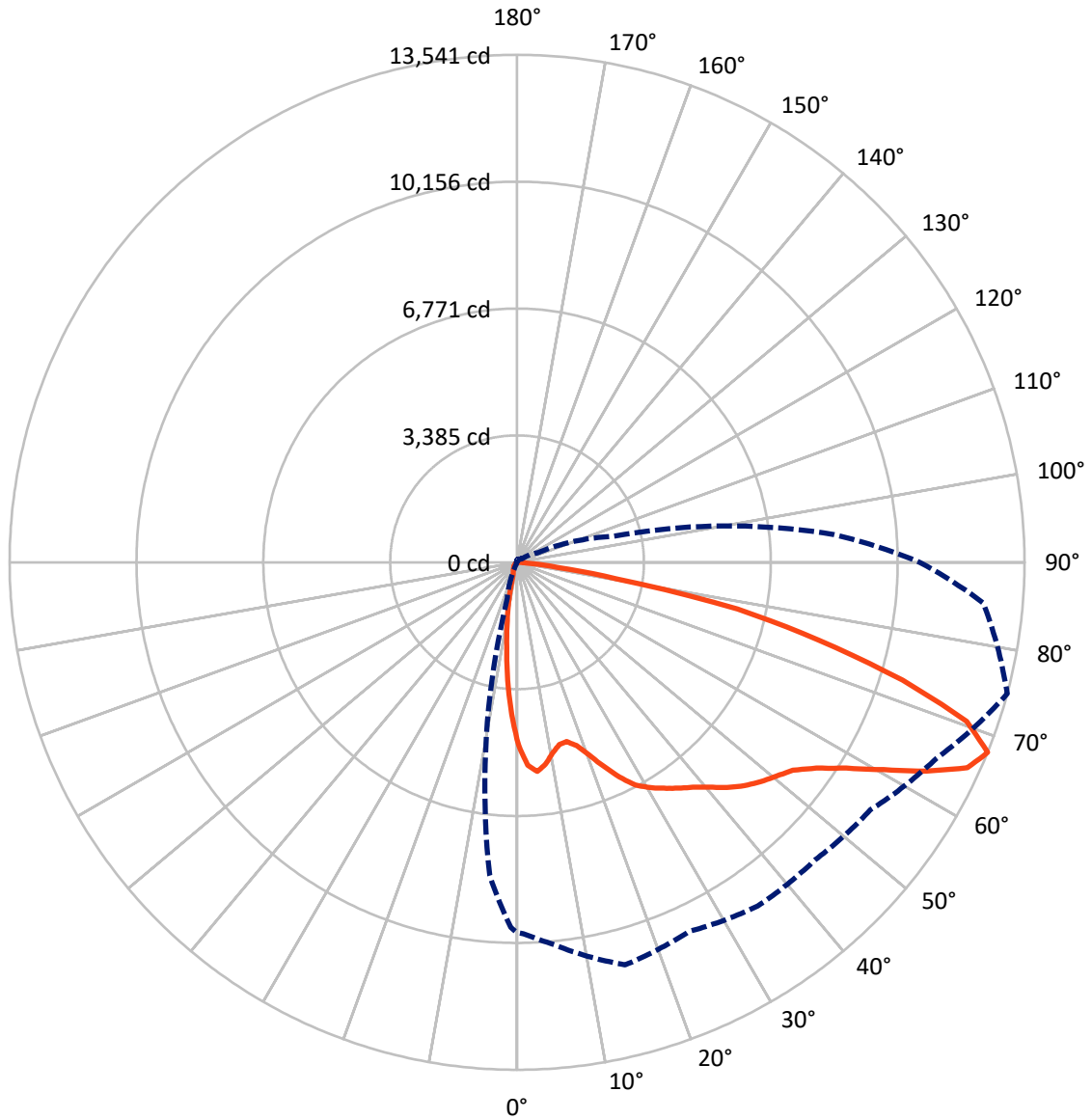
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	2187.7	0.0	2187.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	12391.3	0.0	12391.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	14579.0	0.0	14579.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.0	2.5
10°-20°	730.5	5.0
20°-30°	1033.5	7.1
30°-40°	1519.5	10.4
40°-50°	2184.0	15.0
50°-60°	3074.5	21.1
60°-70°	3590.8	24.6
70°-80°	1831.9	12.6
80°-90°	243.4	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°	14579.0	100.0
0°-180°	14579.0	100.0

Coefficient of Utilization



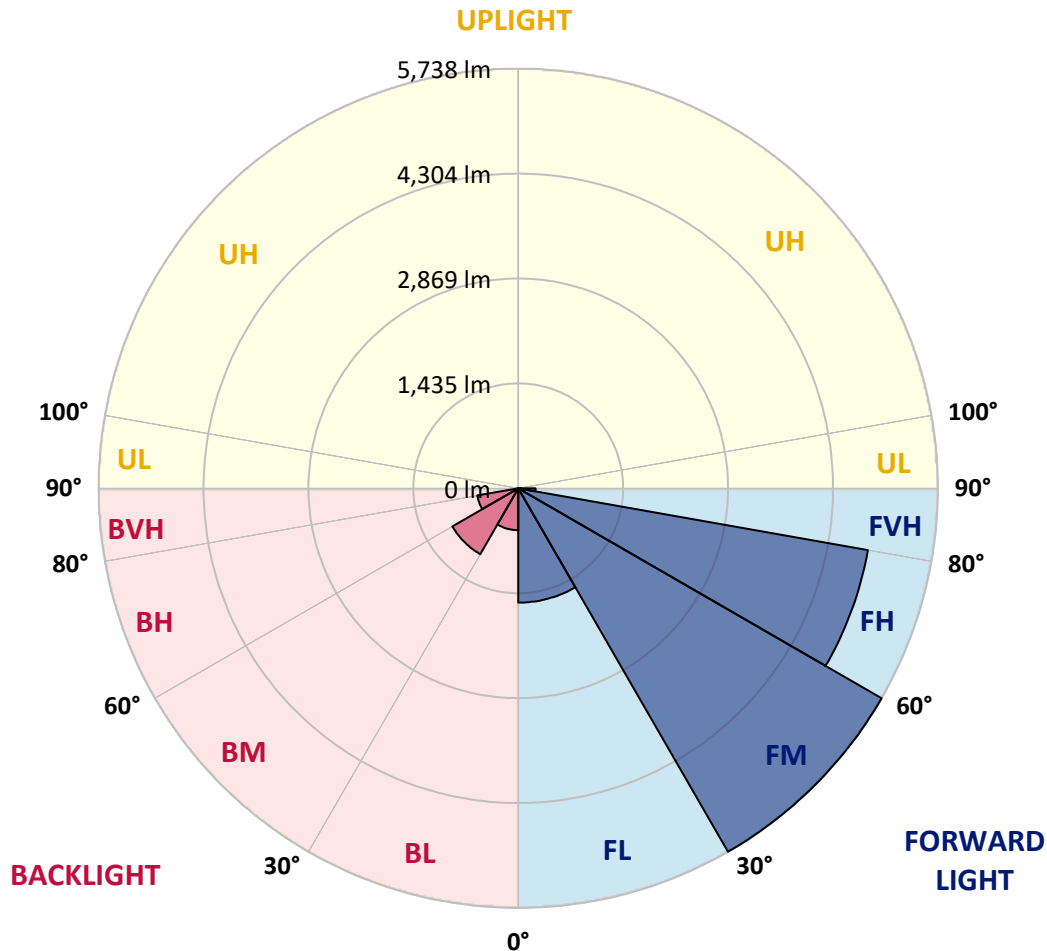
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1562.9	10.7			
FM (30°-60°)	5738.0	39.4			
FH (60°-80°)	4854.4	33.3			G2/5000
FVH (80°-90°)	236.0	1.6			G3/500
BL (0°-30°)	572.1	3.9	B2/1000		
BM (30°-60°)	1040.0	7.1	B2/2500		
BH (60°-80°)	568.3	3.9	B2/1000		G2/1000
BVH (80°-90°)	7.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0
2.5°	5301.9	5310.2	5353.0	5452.5	5560.9	5569.2	5642.4	5567.1	5541.6	5420.0	5294.3
5°	5342.0	5373.8	5520.9	5813.0	6066.4	6147.9	6206.0	6058.2	5902.8	5605.8	5288.8
7.5°	5019.5	5072.6	5304.0	5852.4	6305.4	6505.7	6543.7	6312.3	5931.8	5442.8	4966.3
10°	4606.5	4667.2	4946.3	5620.3	6242.6	6585.8	6638.3	6335.1	5788.1	5179.0	4617.5
12.5°	4272.2	4343.3	4628.6	5359.2	6026.4	6406.2	6509.8	6258.4	5663.8	4991.8	4379.3
15°	4118.2	4199.7	4499.4	5190.7	5786.7	6085.8	6171.4	6063.0	5594.8	4962.1	4324.0
17.5°	4206.6	4295.0	4604.4	5205.2	5561.6	5689.4	5758.4	5802.6	5594.8	5141.0	4485.6
20°	4569.2	4664.5	4991.8	5352.3	5375.1	5327.5	5401.4	5556.8	5659.7	5480.8	4873.7
22.5°	5070.6	5182.4	5551.9	5604.4	5284.0	5103.7	5113.4	5357.2	5777.8	5911.7	5412.4
25°	5681.8	5818.5	6194.2	5980.1	5322.0	4970.4	4967.0	5192.8	5893.1	6343.4	6012.6
27.5°	6288.8	6439.4	6769.5	6438.7	5478.7	4946.3	4939.3	5143.1	6005.7	6727.4	6668.0
30°	6797.8	6944.2	7228.8	6770.9	5647.9	5002.9	4969.7	5196.3	6072.7	6976.7	7145.9
32.5°	7212.2	7329.6	7559.6	6999.5	5828.9	5112.7	5040.9	5338.5	6186.6	7187.3	7585.1
35°	7668.0	7791.6	7883.5	7217.0	6031.9	5270.8	5167.9	5564.4	6362.0	7401.4	8066.5
37.5°	8188.0	8311.0	8299.9	7415.9	6289.5	5532.6	5467.0	5922.1	6634.8	7613.4	8603.8
40°	8697.0	8822.7	8733.0	7633.5	6592.0	5964.2	5915.9	6459.4	7000.2	7884.9	9233.7
42.5°	9173.6	9309.6	9117.6	7839.3	6952.5	6508.4	6591.3	7151.4	7457.4	8219.1	9776.5
45°	9557.6	9696.4	9440.2	8039.6	7332.4	7168.7	7418.0	7918.0	8007.1	8501.6	10143.2
47.5°	9836.6	9967.8	9663.9	8239.8	7818.6	7976.0	8410.4	8721.9	8503.7	8746.8	10403.6
50°	10014.8	10117.0	9729.5	8490.5	8456.7	8918.0	9444.3	9596.2	8971.2	8967.8	10719.9
52.5°	10128.0	10174.3	9777.9	8752.3	9122.5	9943.6	10456.8	10504.4	9452.6	9210.9	11146.0
55°	10518.2	10555.5	10120.4	9069.3	9672.9	10842.1	11372.5	11328.3	9997.5	9686.7	11648.8
57.5°	11184.0	11223.3	10828.3	9525.1	10118.3	11397.4	12036.2	12115.6	10636.3	10355.2	12187.5
60°	11518.2	11591.4	11450.6	10102.5	10550.0	11752.4	12488.6	12742.0	11434.7	11236.5	12709.6
62.5°	11215.1	11321.4	11525.8	10742.7	10978.9	11947.8	12629.5	12966.5	12252.4	12263.4	13031.4
65°	10610.1	10695.0	11041.7	11093.5	11227.5	11923.6	12281.4	12652.9	12753.1	13206.8	13014.1
67.5°	9879.4	9911.2	10205.4	11121.1	10867.0	11197.1	11235.8	11510.6	12357.4	13541.1	12491.3
70°	8827.6	8844.8	9101.7	10196.4	9338.6	9411.1	9353.8	9409.8	10623.9	12726.8	11171.5
72.5°	7104.5	7148.0	7513.3	8467.8	6803.3	6594.1	7044.4	7019.5	8181.8	10752.3	8297.2
75°	5230.8	5306.1	5857.9	6820.6	4775.0	4319.2	4647.9	4735.6	5816.4	8317.2	5188.7
77.5°	3662.4	3718.3	4252.9	5013.9	3455.9	3088.5	2969.7	3074.0	3839.2	6016.7	2614.0
80°	2109.9	2130.6	2471.7	2895.1	2328.8	2664.4	2413.7	2485.6	2300.5	2676.9	1124.3
82.5°	1380.6	1384.0	1517.3	1723.1	1450.3	1685.1	1247.3	1594.7	1415.1	1075.3	366.0
85°	745.9	750.0	879.9	1223.1	821.2	464.1	272.8	560.1	875.0	246.6	100.1
87.5°	82.2	75.3	265.2	444.8	227.9	42.1	14.5	62.8	140.2	15.9	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°	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0
2.5°	5230.1	5172.8	5029.8	4878.6	4757.0	4643.1	4528.4	4388.2	4279.8	4257.7	4221.8
5°	5118.2	4936.6	4636.9	4335.7	4093.3	3787.4	3593.3	3442.1	3294.3	3285.3	3255.6
7.5°	4727.3	4488.4	4066.4	3650.0	3308.8	3017.3	2723.1	2526.3	2371.6	2317.0	2284.6
10°	4351.6	4083.0	3556.0	3080.9	2776.3	2518.7	2311.5	2105.7	1919.2	1790.8	1732.8
12.5°	4089.2	3792.2	3211.4	2801.9	2583.6	2339.1	2086.4	1829.5	1614.7	1460.0	1365.4
15°	3987.7	3670.7	3096.1	2691.4	2422.0	2112.6	1789.4	1495.9	1257.6	1117.4	1032.5
17.5°	4108.5	3739.7	3087.1	2556.7	2180.3	1795.6	1438.6	1091.9	867.4	761.1	706.5
20°	4415.2	3959.4	3083.6	2391.6	1893.0	1419.9	974.5	718.2	582.2	522.8	497.2
22.5°	4848.9	4239.7	3111.3	2228.6	1594.0	1014.5	672.7	527.6	457.9	426.1	411.6
25°	5406.9	4633.4	3189.3	2080.9	1312.9	756.9	524.2	442.0	393.0	368.1	357.7
27.5°	6001.5	5086.5	3310.9	1952.4	1084.3	603.6	448.9	378.5	343.2	326.0	316.3
30°	6491.9	5611.3	3433.8	1809.4	918.5	526.3	410.9	345.3	304.6	293.5	284.5
32.5°	6920.8	6008.4	3520.8	1680.3	810.1	467.6	371.6	308.7	281.1	259.7	250.0
35°	7364.8	6339.2	3518.0	1589.8	735.5	423.4	338.4	276.2	243.1	218.2	210.6
37.5°	7845.5	6712.9	3458.0	1512.5	703.1	388.1	319.8	259.0	225.8	201.0	191.3
40°	8408.4	7105.1	3396.5	1440.0	694.1	359.8	306.6	245.2	209.9	185.8	176.1
42.5°	8956.7	7458.7	3342.6	1386.1	655.4	359.1	294.9	234.8	197.5	174.0	163.0
45°	9395.3	7788.2	3332.3	1353.6	614.7	371.6	288.7	227.9	187.8	164.4	154.0
47.5°	9759.9	8145.9	3398.6	1330.8	576.0	339.1	303.9	223.1	178.9	156.1	144.3
50°	10193.6	8585.2	3554.6	1293.5	535.2	305.3	348.1	224.5	171.3	147.8	135.4
52.5°	10798.6	9192.9	3783.9	1230.7	479.3	274.2	342.5	225.8	163.0	138.8	126.4
55°	11476.8	9951.9	4030.5	1126.4	401.3	233.4	293.5	216.2	147.1	129.1	117.4
57.5°	12189.5	10640.5	4176.9	1002.1	319.1	201.7	234.8	196.8	129.8	116.0	108.4
60°	12301.4	10902.2	4109.9	849.5	253.5	175.4	174.0	200.3	116.0	102.2	96.7
62.5°	12023.1	10573.5	3786.0	713.4	212.0	154.0	143.0	174.7	105.0	91.2	85.6
65°	11487.9	9684.6	3261.1	643.0	196.8	131.9	118.8	122.9	91.9	79.4	74.6
67.5°	10743.4	8498.1	2677.6	602.9	194.8	113.3	101.5	93.2	79.4	69.1	64.9
70°	9221.2	7079.6	2136.1	580.8	189.2	95.3	85.6	76.0	66.3	58.7	55.2
72.5°	6786.8	5016.7	1661.6	556.6	190.6	76.0	74.6	62.8	53.2	45.6	44.2
75°	3921.4	2866.1	1089.8	451.0	181.6	58.7	62.2	44.2	37.3	31.8	31.8
77.5°	2089.8	1748.0	415.1	187.8	66.3	37.3	35.2	26.2	23.5	19.3	18.6
80°	910.9	769.4	125.0	52.5	36.6	20.0	13.1	11.7	10.4	8.3	7.6
82.5°	322.5	278.3	40.7	25.6	15.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	73.2	52.5	0.0	6.2	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°	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0
2.5°	4148.6	4133.4	4043.6	4047.1	4062.9	4085.7	4031.9	4056.7	4123.7	4187.9	4212.1
5°	3208.0	3211.4	3156.8	3190.7	3221.1	3241.8	3154.8	3156.2	3209.3	3281.8	3319.8
7.5°	2260.4	2254.9	2257.7	2338.5	2395.8	2354.3	2386.8	2274.2	2281.1	2332.9	2294.3
10°	1680.3	1604.3	1561.5	1622.3	1685.1	1662.3	1606.4	1569.8	1595.3	1652.7	1648.5
12.5°	1320.5	1211.4	1147.1	1103.6	1155.4	1112.6	1111.2	1079.4	1044.9	1051.1	1143.0
15°	993.1	913.7	837.7	768.0	766.6	752.1	678.2	595.3	588.4	592.6	640.2
17.5°	683.0	656.1	625.0	564.9	549.0	488.3	416.4	383.3	366.7	374.3	390.2
20°	480.0	469.6	473.1	440.6	417.8	359.8	317.7	304.6	301.8	309.4	317.0
22.5°	397.8	379.2	377.1	362.6	339.8	297.7	274.9	267.3	263.8	270.7	276.2
25°	348.1	329.4	321.8	312.9	288.7	259.7	245.9	239.0	235.5	239.6	243.1
27.5°	306.6	289.4	282.5	276.2	252.8	232.0	221.0	214.8	212.0	213.4	216.9
30°	275.6	260.4	251.4	243.8	223.8	209.3	199.6	193.4	190.6	190.6	194.1
32.5°	243.1	234.8	226.5	216.9	198.2	188.5	178.9	172.0	169.2	169.9	172.7
35°	202.4	199.6	201.7	192.7	176.8	168.5	158.8	151.2	149.2	149.9	152.6
37.5°	179.6	167.1	174.7	169.9	160.9	149.9	137.4	130.5	127.1	129.1	130.5
40°	165.1	149.9	144.3	149.2	147.8	129.8	118.8	111.9	109.1	109.8	111.2
42.5°	152.6	134.7	122.2	121.5	129.8	113.3	101.5	95.3	91.9	91.9	93.2
45°	140.9	121.5	106.4	94.6	109.1	96.0	84.9	79.4	75.3	75.3	76.0
47.5°	131.9	110.5	92.5	77.3	82.2	78.7	69.8	64.2	60.1	60.1	60.8
50°	123.6	99.4	80.1	64.9	61.5	64.9	56.6	50.4	47.7	47.0	48.3
52.5°	114.6	88.4	68.4	55.2	48.3	49.0	44.2	40.1	36.6	36.6	38.0
55°	105.7	79.4	59.4	47.0	40.1	36.6	35.2	32.5	29.7	29.7	31.1
57.5°	96.7	69.8	50.4	38.7	31.8	29.0	29.0	26.9	24.9	24.9	26.2
60°	88.4	60.1	41.4	31.8	24.9	24.2	24.9	22.8	21.4	21.4	22.8
62.5°	78.7	51.1	33.8	26.2	20.0	19.3	21.4	20.0	18.6	18.6	20.0
65°	67.0	43.5	26.9	20.0	15.2	15.2	18.0	16.6	15.2	15.2	16.6
67.5°	56.6	36.6	20.7	14.5	11.0	11.7	15.2	13.8	13.1	13.1	14.5
70°	47.0	28.3	14.5	9.0	6.2	9.0	11.7	11.7	11.7	11.7	13.1
72.5°	35.2	19.3	8.3	3.5	2.8	6.2	9.7	11.0	10.4	10.4	12.4
75°	22.8	11.0	2.8	0.0	0.0	3.5	7.6	9.0	9.0	8.3	10.4
77.5°	13.1	3.5	0.0	0.0	0.0	0.0	4.8	4.1	3.5	2.8	4.8
80°	3.5	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°	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0	4891.0
2.5°	4309.5	4391.0	4505.6	4627.2	4814.3	4962.8	5108.6	5233.6	5281.9	5301.9
5°	3411.0	3530.5	3698.3	3913.8	4251.5	4555.4	4863.4	5173.5	5308.1	5342.0
7.5°	2447.6	2600.2	2813.6	3083.6	3479.4	3873.0	4303.3	4758.4	4967.0	5019.5
10°	1811.5	1998.0	2242.5	2527.0	2904.8	3309.5	3778.4	4298.4	4536.7	4606.5
12.5°	1285.3	1537.3	1864.7	2210.7	2538.0	2899.2	3373.7	3946.9	4196.9	4272.2
15°	754.9	998.6	1386.1	1849.5	2268.7	2634.7	3116.8	3766.7	4042.2	4118.2
17.5°	433.0	554.6	847.4	1364.0	1933.1	2440.0	3036.0	3811.6	4136.2	4206.6
20°	330.8	369.5	488.3	878.5	1540.8	2248.7	3036.0	4065.7	4465.6	4569.2
22.5°	289.4	317.7	366.0	524.2	1134.0	2043.6	3071.2	4433.1	4955.9	5070.6
25°	256.9	282.5	323.9	394.3	773.5	1799.8	3154.8	4884.1	5533.3	5681.8
27.5°	230.0	254.1	291.4	345.3	529.0	1505.6	3267.3	5413.1	6170.0	6288.8
30°	205.8	228.6	262.4	300.4	408.2	1172.0	3363.3	5911.7	6670.1	6797.8
32.5°	183.0	203.7	234.1	262.4	334.3	866.7	3373.7	6306.8	7085.1	7212.2
35°	161.6	180.3	207.9	230.0	276.9	684.4	3212.8	6649.3	7500.2	7668.0
37.5°	140.9	158.8	183.0	199.6	243.8	558.0	2966.9	7031.3	8032.7	8188.0
40°	121.5	137.4	162.3	173.3	230.7	428.9	2699.7	7431.8	8554.8	8697.0
42.5°	103.6	118.8	143.0	164.4	202.4	320.4	2411.0	7807.5	9024.4	9173.6
45°	86.3	102.2	126.4	174.0	167.8	239.6	2102.3	8056.8	9395.3	9557.6
47.5°	69.8	87.7	120.9	165.7	134.0	176.1	1857.8	8293.0	9676.3	9836.6
50°	55.9	73.9	136.1	147.8	109.8	134.7	1755.6	8504.4	9860.7	10014.8
52.5°	45.6	62.2	128.5	113.3	91.9	111.2	1810.8	8846.9	10031.3	10128.0
55°	38.0	49.0	77.3	78.7	78.0	94.6	1879.2	9338.6	10472.6	10518.2
57.5°	33.1	39.4	53.9	60.8	65.6	84.3	1880.6	10044.4	11155.7	11184.0
60°	28.3	34.5	44.9	49.0	56.6	75.3	1812.2	10291.0	11424.3	11518.2
62.5°	24.9	30.4	37.3	40.7	47.7	67.7	1652.0	9933.9	11055.5	11215.1
65°	22.1	27.6	31.1	34.5	42.1	60.8	1388.2	9219.8	10443.6	10610.1
67.5°	19.3	24.2	27.6	31.1	38.0	53.9	1022.1	8390.4	9741.3	9879.4
70°	17.3	21.4	24.9	27.6	33.1	45.6	620.2	7119.7	8770.2	8827.6
72.5°	16.6	19.3	22.8	24.9	29.0	40.1	314.2	5232.2	7011.2	7104.5
75°	14.5	17.3	20.7	22.1	25.6	34.5	127.8	3436.5	5080.9	5230.8
77.5°	11.7	15.9	18.6	20.0	22.1	28.3	64.9	2196.2	3565.7	3662.4
80°	4.1	11.7	15.9	16.6	18.6	20.7	42.8	1202.4	2068.4	2109.9
82.5°	0.0	7.6	12.4	11.7	13.1	15.9	27.6	571.8	1365.4	1380.6
85°	0.0	3.5	9.7	7.6	5.5	11.0	9.7	125.0	716.2	745.9
87.5°	0.0	0.0	0.7	3.5	2.8	4.1	1.4	0.7	64.9	82.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)