

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: P193044

Luminaire Tested: **GAN-AF-06-LED-U-SLL-7030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-SLL-7030-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33194 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 382
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: 28.75 FT

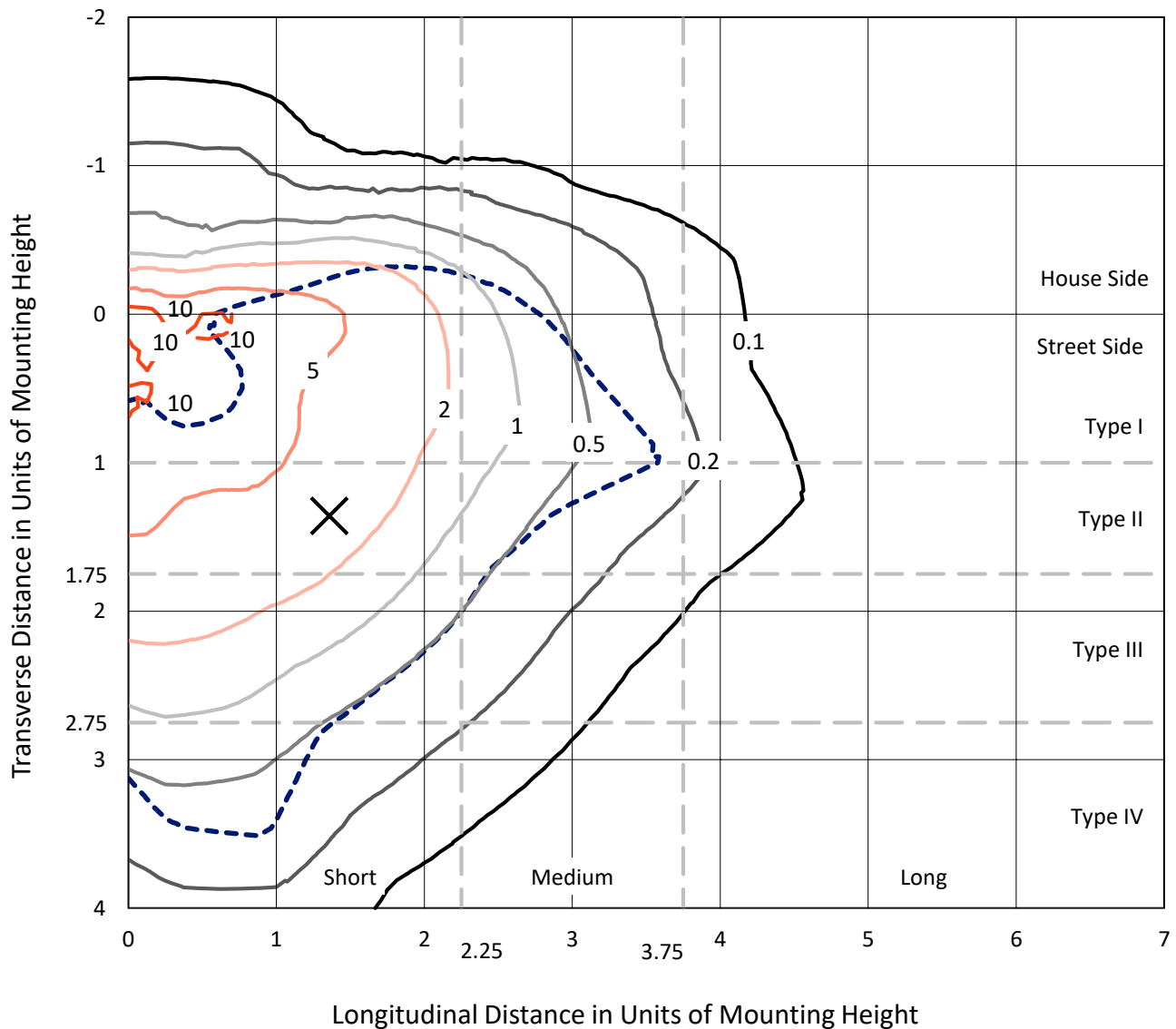


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

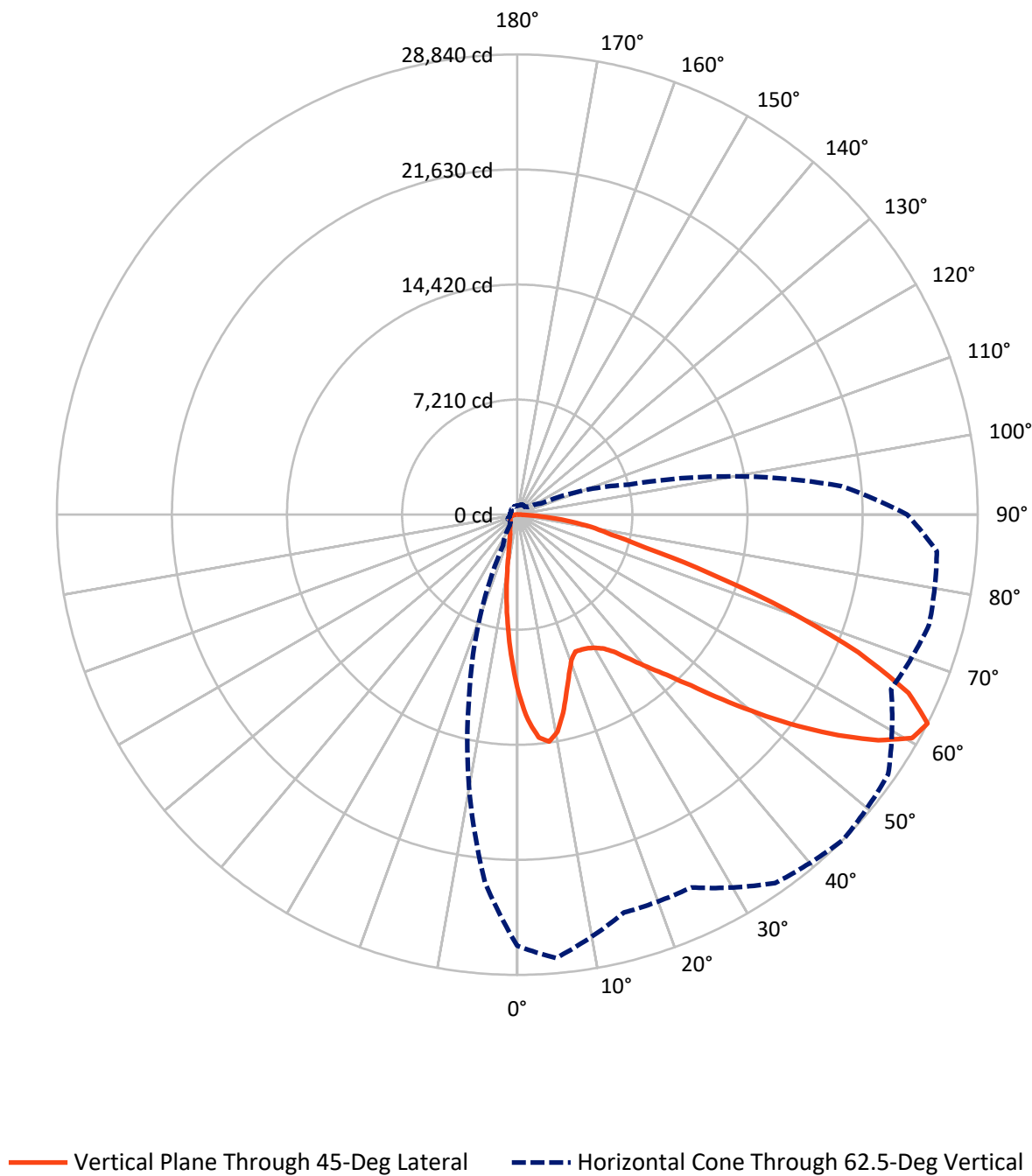


Based on 30 foot mounting height. Maximum calculated value = 14.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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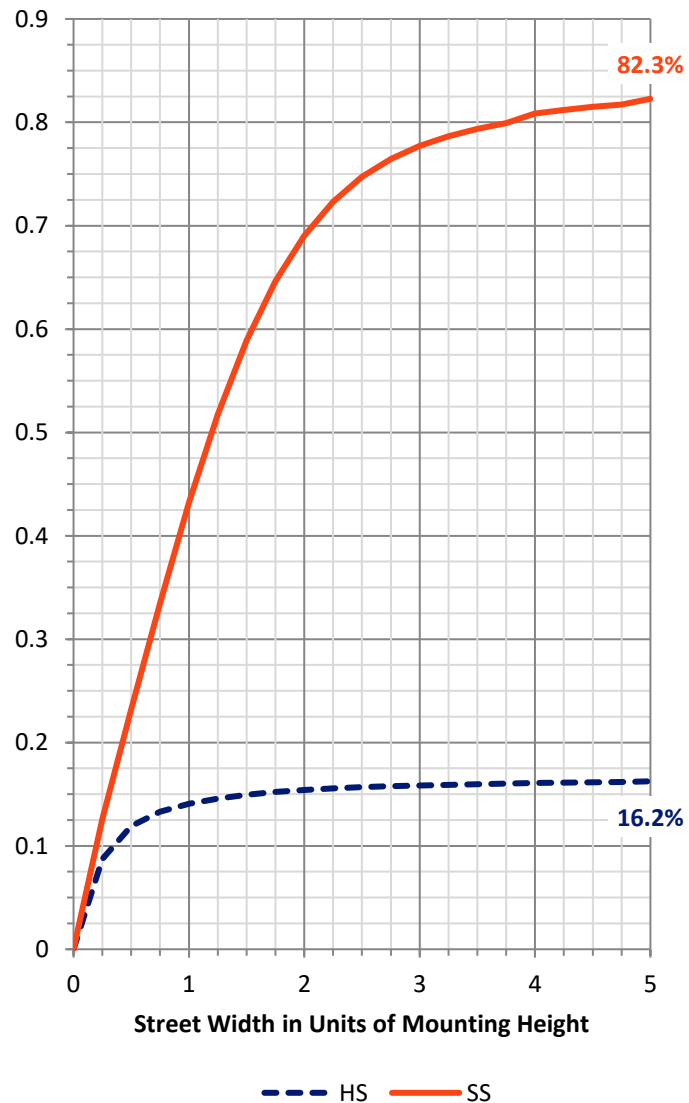
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5493.1	0.0	5493.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	27700.9	0.0	27700.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	33194.0	0.0	33194.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	816.4	2.5
10°-20°	1497.0	4.5
20°-30°	2182.7	6.6
30°-40°	3361.6	10.1
40°-50°	4947.4	14.9
50°-60°	7256.8	21.9
60°-70°	8112.0	24.4
70°-80°	3971.5	12.0
80°-90°	1048.6	3.2
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°	33194.0	100.0
0°-180°	33194.0	100.0

Coefficient of Utilization



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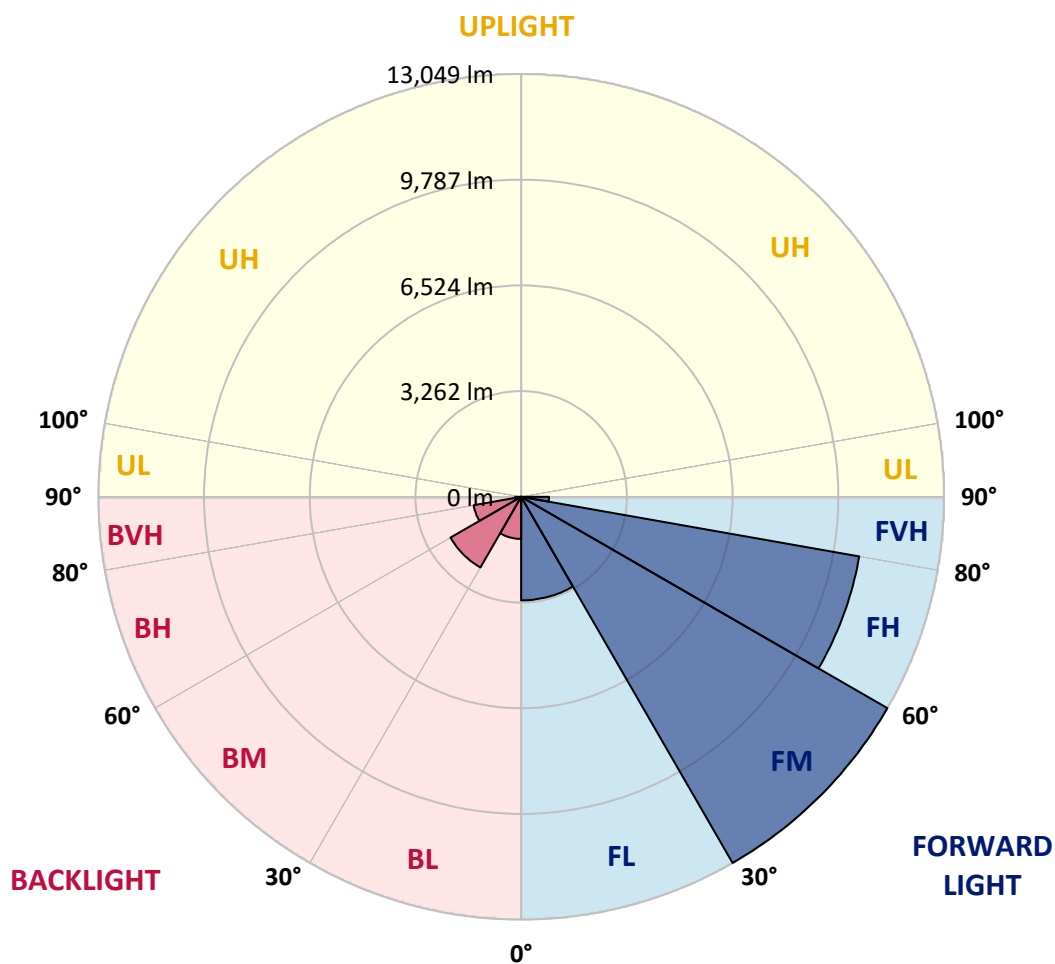
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3196.5	9.6			
FM	(30°-60°)	13048.9	39.3			
FH	(60°-80°)	10594.4	31.9			G4/12000
FVH	(80°-90°)	861.1	2.6			G5
BL	(0°-30°)	1299.6	3.9	B3/2500		
BM	(30°-60°)	2516.9	7.6	B3/5000		
BH	(60°-80°)	1489.2	4.5	B3/2500		G3/2500
BVH	(80°-90°)	187.4	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7
2.5°	11652.7	11838.8	12202.0	12473.8	12804.1	12880.7	12986.5	12882.5	12698.2	12453.7	12373.4
5°	10957.5	11355.2	12236.6	13012.1	13701.8	14023.0	14112.4	13847.8	13313.1	12610.7	12181.9
7.5°	9842.5	10408.2	11601.5	12743.9	13760.2	14360.6	14346.0	13731.0	12747.5	11603.5	10915.4
10°	8880.9	9526.9	10895.5	12172.7	13251.2	13833.2	13608.8	12822.3	11649.0	10331.5	9585.4
12.5°	8342.6	8975.7	10364.5	11647.1	12548.7	12749.4	12577.8	11807.7	10702.0	9370.0	8716.7
15°	8249.6	8944.8	10152.7	11196.5	11702.0	11526.8	11322.4	10977.5	10196.5	9059.8	8379.1
17.5°	8652.8	9419.2	10395.5	10882.7	10796.9	10492.1	10433.7	10472.1	10284.1	9404.6	8620.0
20°	9426.6	10346.2	10973.9	10734.8	10109.0	9689.2	9703.9	10289.6	10846.1	10278.7	9382.7
22.5°	10512.3	11561.5	11807.7	10813.3	9818.8	9320.7	9441.1	10390.0	11742.1	11556.0	10411.9
25°	11917.2	12873.4	12696.4	11098.0	9848.0	9366.2	9463.1	10736.7	12800.4	12833.3	11685.5
27.5°	13278.5	14165.4	13442.7	11475.7	9968.5	9474.0	9601.7	11282.2	13811.4	14220.1	13141.6
30°	14340.5	14957.3	13738.4	11820.5	10205.7	9683.7	9842.5	11800.4	14271.1	15156.1	14262.0
32.5°	15220.1	15663.4	14209.0	12247.5	10641.8	10014.0	10293.2	12430.0	14933.5	16046.6	15358.7
35°	16344.0	16470.0	14794.8	12723.8	11315.1	10588.9	10935.5	13046.7	15564.8	16946.2	16438.9
37.5°	17661.4	17499.1	15347.7	13375.2	12185.4	11488.5	11775.0	13723.7	16084.9	17966.3	17542.8
40°	18964.3	18573.8	16041.1	14386.0	13455.5	12548.7	12888.0	14446.4	16570.3	18988.0	18621.3
42.5°	20071.9	19493.5	16725.4	15497.4	14637.9	13718.3	14123.4	15174.4	17033.7	19860.3	19557.4
45°	20891.3	20172.3	17376.8	16564.8	16267.4	15273.0	15464.5	16008.2	17535.6	20588.4	20327.3
47.5°	21623.0	20854.8	18114.0	17641.4	17692.5	17294.7	16986.3	16979.0	18126.7	21183.1	21055.5
50°	22602.8	21801.8	18905.9	18750.8	19831.1	19566.4	18885.9	18112.2	18875.0	21858.3	21843.7
52.5°	23953.1	23301.7	19873.0	19946.1	21827.3	22000.7	21157.6	19473.4	20046.4	23097.3	23009.8
55°	25549.7	25170.2	21190.5	21320.1	24276.1	24400.3	23562.7	21175.9	21769.0	24891.0	24648.4
57.5°	26796.1	26715.7	22635.7	22969.6	26104.4	26662.9	25892.8	23146.6	23710.5	26402.0	25792.4
60°	27292.4	27681.1	24173.9	24633.7	27796.0	28414.6	27739.4	24878.3	25431.1	27027.8	25713.9
62.5°	27024.0	27892.7	25812.5	25774.1	28173.7	28839.7	28365.4	25841.7	26706.7	26381.8	24413.0
65°	25785.1	27131.8	26763.2	25480.5	26881.8	26936.6	26783.3	25411.1	27007.7	24340.0	21898.5
67.5°	23086.4	25024.2	25511.4	22962.3	23396.6	23040.8	22783.5	23053.4	25438.4	21279.9	18404.1
70°	18803.7	21719.6	21953.3	18365.8	18168.7	17929.7	17417.0	18900.4	22341.9	17440.7	14603.3
72.5°	13825.8	16891.5	17608.5	13470.1	12557.7	12607.0	12202.0	14243.8	18165.1	12955.5	10902.8
75°	9459.3	12231.1	13776.6	9399.1	8304.4	8324.4	8273.3	10092.5	14468.2	9012.2	8158.3
77.5°	6910.2	8738.5	10390.0	6319.0	6134.7	6021.6	5994.2	7061.7	11092.4	6543.4	6335.4
80°	5545.4	6455.9	6979.6	4379.3	4709.6	4700.5	4549.0	4855.6	7244.1	4786.2	4738.8
82.5°	3846.5	4961.5	5654.8	3432.3	3178.7	3125.8	3162.3	3616.6	5120.2	3271.8	3111.1
85°	2029.1	3295.5	5600.1	3041.8	1886.8	1505.4	1872.1	2961.5	4435.9	1733.5	1518.1
87.5°	259.2	952.5	3707.8	1213.5	744.5	401.4	888.6	1667.9	2848.4	354.0	308.3
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7
2.5°	12167.2	11924.5	11607.0	11313.2	11008.5	10705.7	10309.7	10061.4	9890.0	9857.2	9784.1
5°	11871.7	11065.1	10455.7	9928.3	9450.3	8775.0	8401.1	8090.8	7924.8	7908.3	7868.2
7.5°	10508.5	9395.5	8572.6	7826.2	7149.3	6603.6	6001.5	5720.5	5605.5	5633.0	5660.2
10°	9090.8	7846.4	6901.2	6138.4	5541.6	5081.8	4598.2	4271.7	4045.5	3999.8	3990.7
12.5°	8054.4	6689.4	5771.6	5233.3	4771.7	4339.2	3826.5	3441.4	3147.6	3047.2	2979.7
15°	7616.4	6123.8	5162.2	4581.9	4072.7	3523.5	3047.2	2644.1	2373.9	2286.4	2237.1
17.5°	7709.5	5966.8	4742.4	3999.8	3348.4	2775.4	2175.1	1830.2	1667.9	1625.8	1625.8
20°	8198.5	5937.7	4395.7	3463.3	2651.2	1987.1	1494.4	1297.4	1244.5	1239.0	1253.5
22.5°	8884.5	6039.9	4136.7	2998.0	2060.1	1450.6	1164.1	1091.2	1067.5	1072.9	1089.4
25°	9906.4	6384.7	3948.7	2583.8	1616.7	1187.8	1038.3	994.5	983.6	998.1	1018.2
27.5°	11118.0	6729.6	3831.9	2271.8	1364.8	1085.7	987.1	941.6	948.8	967.1	985.3
30°	12181.9	7012.4	3647.6	2049.1	1286.4	1091.2	987.1	925.1	917.9	921.5	926.9
32.5°	13136.1	7204.0	3432.3	1837.5	1109.4	968.9	921.5	912.4	872.2	857.5	859.5
35°	13959.1	7204.0	3302.8	1713.4	994.5	859.5	782.9	737.2	717.1	718.9	739.0
37.5°	14752.8	7059.9	3238.9	1644.1	932.4	817.5	749.9	709.8	682.5	677.0	680.5
40°	15453.5	6850.0	3165.9	1614.9	885.0	791.9	728.1	695.2	666.1	656.8	658.8
42.5°	16015.6	6680.3	3085.6	1576.6	855.8	773.7	713.5	684.3	651.4	642.3	640.5
45°	16623.2	6623.8	2979.7	1499.9	870.4	775.5	709.8	678.8	645.9	635.1	631.3
47.5°	17424.2	6800.8	2870.2	1408.7	901.4	784.6	715.3	678.8	644.1	635.1	631.3
50°	18433.3	7216.8	2731.6	1275.5	870.4	810.1	713.5	673.4	644.1	635.1	627.7
52.5°	19729.0	7778.8	2549.1	1122.2	852.1	872.2	709.8	662.3	635.1	622.2	609.4
55°	21303.6	8238.5	2332.0	996.3	810.1	855.8	704.4	649.6	620.4	602.1	591.2
57.5°	22456.8	8404.7	2052.8	914.2	751.8	828.4	697.1	633.1	602.1	587.6	572.9
60°	22228.8	8083.5	1817.4	863.0	717.1	748.1	691.6	618.6	585.7	574.8	562.0
62.5°	20402.2	7244.1	1665.9	839.3	695.2	682.5	697.1	603.9	571.1	560.2	556.5
65°	17663.3	6005.1	1605.8	833.8	677.0	644.1	647.8	587.6	554.7	545.6	541.9
67.5°	14570.4	4846.4	1552.8	852.1	653.3	616.8	598.5	565.6	538.3	529.2	521.8
70°	11490.2	4030.8	1529.1	841.2	624.1	589.4	569.4	541.9	518.2	509.1	503.5
72.5°	9253.1	3404.9	1516.3	830.3	585.7	552.9	534.6	510.9	485.3	481.8	476.3
75°	7829.8	2676.9	1388.5	795.6	541.9	509.1	496.4	474.4	448.8	448.8	445.2
77.5°	6039.9	1936.1	1155.1	704.4	496.4	459.9	448.8	432.4	403.2	408.7	406.9
80°	4461.5	1262.7	903.2	583.9	439.8	405.2	399.6	383.2	352.2	359.5	359.5
82.5°	3056.4	828.4	649.6	478.1	375.9	343.1	343.1	326.5	291.9	295.6	306.6
85°	1534.5	569.4	485.3	370.4	291.9	275.6	275.6	262.8	228.2	229.9	244.5
87.5°	467.1	343.1	321.1	264.6	209.9	206.2	197.1	187.9	166.1	164.2	173.4
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7
2.5°	9672.8	9568.8	9442.9	9165.5	9072.6	9067.0	9151.0	9063.4	9231.4	9160.1	9238.5
5°	7800.7	7698.5	7558.0	7204.0	6988.7	6842.7	6773.4	6569.0	6716.8	6609.1	6698.5
7.5°	5736.8	5760.7	5667.6	5459.5	4990.6	4755.2	4616.5	4492.4	4600.2	4589.2	4760.8
10°	4032.6	4096.4	4030.8	3821.1	3441.4	3311.8	3337.5	3386.7	3527.2	3600.2	3864.7
12.5°	2903.1	2899.5	2857.5	2669.5	2419.5	2434.2	2538.2	2624.0	2753.6	2830.2	3100.2
15°	2167.8	2134.9	2116.7	1963.4	1821.1	1852.1	1903.2	1912.2	1994.4	2040.1	2259.1
17.5°	1638.6	1655.1	1675.1	1565.5	1457.9	1437.9	1397.8	1348.5	1372.2	1381.4	1490.9
20°	1301.1	1366.8	1416.0	1339.3	1229.8	1171.5	1120.4	1087.5	1087.5	1085.7	1116.7
22.5°	1136.9	1184.3	1237.2	1184.3	1085.7	1034.5	1005.4	979.8	976.2	976.2	1005.4
25°	1047.4	1082.1	1133.1	1096.6	1023.6	985.3	957.9	925.1	912.4	908.7	928.8
27.5°	1003.5	1018.2	1043.8	1010.8	948.8	930.6	923.4	894.1	877.7	868.6	888.6
30°	928.8	925.1	926.9	894.1	844.8	843.1	855.8	861.3	855.8	854.0	885.0
32.5°	859.5	852.1	850.4	821.1	775.5	764.6	775.5	786.4	799.2	817.5	854.0
35°	771.8	790.1	801.1	775.5	720.8	687.9	675.1	655.1	644.1	644.1	686.1
37.5°	702.5	744.5	760.9	737.2	677.0	631.3	609.4	605.9	607.6	614.9	655.1
40°	678.8	709.8	724.4	700.7	640.5	598.5	585.7	582.2	585.7	596.7	636.9
42.5°	664.2	686.1	684.3	655.1	605.9	576.6	569.4	565.6	569.4	580.2	624.1
45°	651.4	666.1	651.4	616.8	571.1	556.5	558.4	556.5	560.2	571.1	613.1
47.5°	640.5	645.9	627.7	593.1	545.6	541.9	549.2	554.7	558.4	567.5	611.3
50°	624.1	624.1	607.6	571.1	523.7	525.5	534.6	547.4	549.2	560.2	594.8
52.5°	603.9	602.1	591.2	556.5	505.5	510.9	510.9	525.5	529.2	541.9	578.4
55°	587.6	583.9	578.4	545.6	489.1	498.1	492.6	498.1	507.3	520.1	560.2
57.5°	572.9	565.6	565.6	536.5	476.3	479.8	467.1	474.4	485.3	496.4	538.3
60°	558.4	551.1	554.7	523.7	456.1	452.6	447.1	461.6	465.3	478.1	520.1
62.5°	541.9	536.5	538.3	509.1	441.6	432.4	432.4	445.2	447.1	465.3	505.5
65°	529.2	521.8	520.1	494.5	425.1	414.2	419.7	425.1	428.9	447.1	485.3
67.5°	516.4	501.8	501.8	481.8	406.9	395.9	406.9	405.2	410.6	426.9	458.1
70°	500.0	479.8	481.8	472.6	388.6	375.9	385.0	383.2	386.9	397.8	428.9
72.5°	474.4	458.1	461.6	458.1	370.4	352.2	355.8	355.8	355.8	364.9	397.8
75°	441.6	428.9	439.8	448.8	348.5	323.0	326.5	326.5	321.1	326.5	366.8
77.5°	401.4	394.1	430.6	417.8	323.0	291.9	291.9	288.3	277.4	284.6	328.5
80°	357.6	352.2	397.8	350.4	293.8	253.6	249.9	240.9	229.9	235.4	279.1
82.5°	312.1	306.6	333.9	268.2	253.6	209.9	200.7	184.3	173.4	178.8	218.9
85°	255.4	255.4	257.3	202.5	193.4	160.6	149.5	127.8	114.9	118.6	156.9
87.5°	182.5	187.9	173.4	138.6	114.9	89.4	82.2	69.4	58.4	67.5	82.2
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7	11214.7
2.5°	9640.1	9840.8	10068.8	10360.7	10610.7	11021.3	11415.4	11652.7
5°	7207.7	7541.6	7957.6	8492.2	8990.4	9738.5	10481.2	10957.5
7.5°	5158.4	5516.2	5965.0	6632.9	7337.2	8291.5	9273.3	9842.5
10°	4268.0	4634.8	5012.5	5463.2	6039.9	7078.2	8238.5	8880.9
12.5°	3530.8	3923.2	4330.1	4804.4	5339.2	6266.1	7603.6	8342.6
15°	2702.4	3140.3	3620.2	4220.5	4890.2	5961.4	7446.7	8249.6
17.5°	1852.1	2341.1	2930.6	3671.3	4490.7	5862.9	7727.7	8652.8
20°	1275.5	1631.4	2260.8	3129.4	4114.7	5850.1	8267.8	9426.6
22.5°	1067.5	1226.2	1686.1	2631.3	3831.9	6007.0	9105.3	10512.3
25°	987.1	1082.1	1346.6	2198.9	3625.8	6368.2	10258.6	11917.2
27.5°	939.7	1025.5	1222.6	1916.0	3463.3	6787.9	11380.8	13278.5
30°	957.9	1045.6	1187.8	1771.8	3242.5	7138.4	12377.1	14340.5
32.5°	863.0	901.4	1018.2	1644.1	3083.8	7432.2	13249.4	15220.1
35°	735.4	802.8	908.7	1583.8	3087.4	7629.1	14200.0	16344.0
37.5°	700.7	768.2	844.8	1562.0	3129.4	7839.1	15291.2	17661.4
40°	678.8	740.9	806.6	1549.2	3169.5	8030.5	16360.5	18964.3
42.5°	664.2	720.8	802.8	1505.4	3189.6	8202.1	17240.0	20071.9
45°	662.3	720.8	817.5	1461.6	3220.6	8386.4	17977.2	20891.3
47.5°	664.2	744.5	790.1	1408.7	3220.6	8694.9	18842.1	21623.0
50°	656.8	784.6	760.9	1333.8	3145.8	9278.8	20028.1	22602.8
52.5°	653.3	779.1	704.4	1218.9	3016.2	10205.7	21548.1	23953.1
55°	644.1	751.8	664.2	1047.4	2864.8	11216.5	23175.7	25549.7
57.5°	635.1	666.1	642.3	897.8	2631.3	11928.2	24296.2	26796.1
60°	711.6	582.2	624.1	824.8	2319.2	12123.4	24252.4	27292.4
62.5°	658.8	545.6	600.4	808.3	2100.3	11576.0	23132.1	27024.0
65°	516.4	521.8	576.6	855.8	2041.8	10125.4	21146.7	25785.1
67.5°	472.6	498.1	552.9	916.0	2047.3	8107.2	18179.7	23086.4
70°	445.2	472.6	525.5	947.1	2061.9	6043.4	14373.4	18803.7
72.5°	414.2	437.9	494.5	952.5	1967.1	4390.2	11077.9	13825.8
75°	377.7	399.6	450.7	830.3	1629.5	3045.5	8474.0	9459.3
77.5°	335.8	352.2	395.9	640.5	1209.8	1948.8	6361.0	6910.2
80°	286.5	295.6	332.1	468.9	828.4	1218.9	5032.6	5545.4
82.5°	229.9	233.6	257.3	352.2	538.3	782.9	3370.2	3846.5
85°	162.4	162.4	177.0	255.4	366.8	496.4	1830.2	2029.1
87.5°	76.6	78.4	78.4	140.5	191.6	251.9	421.5	259.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)