

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: P324460

Luminaire Tested: **GAN-SA6D-730-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324460
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-SA6D-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA 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: 31329 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

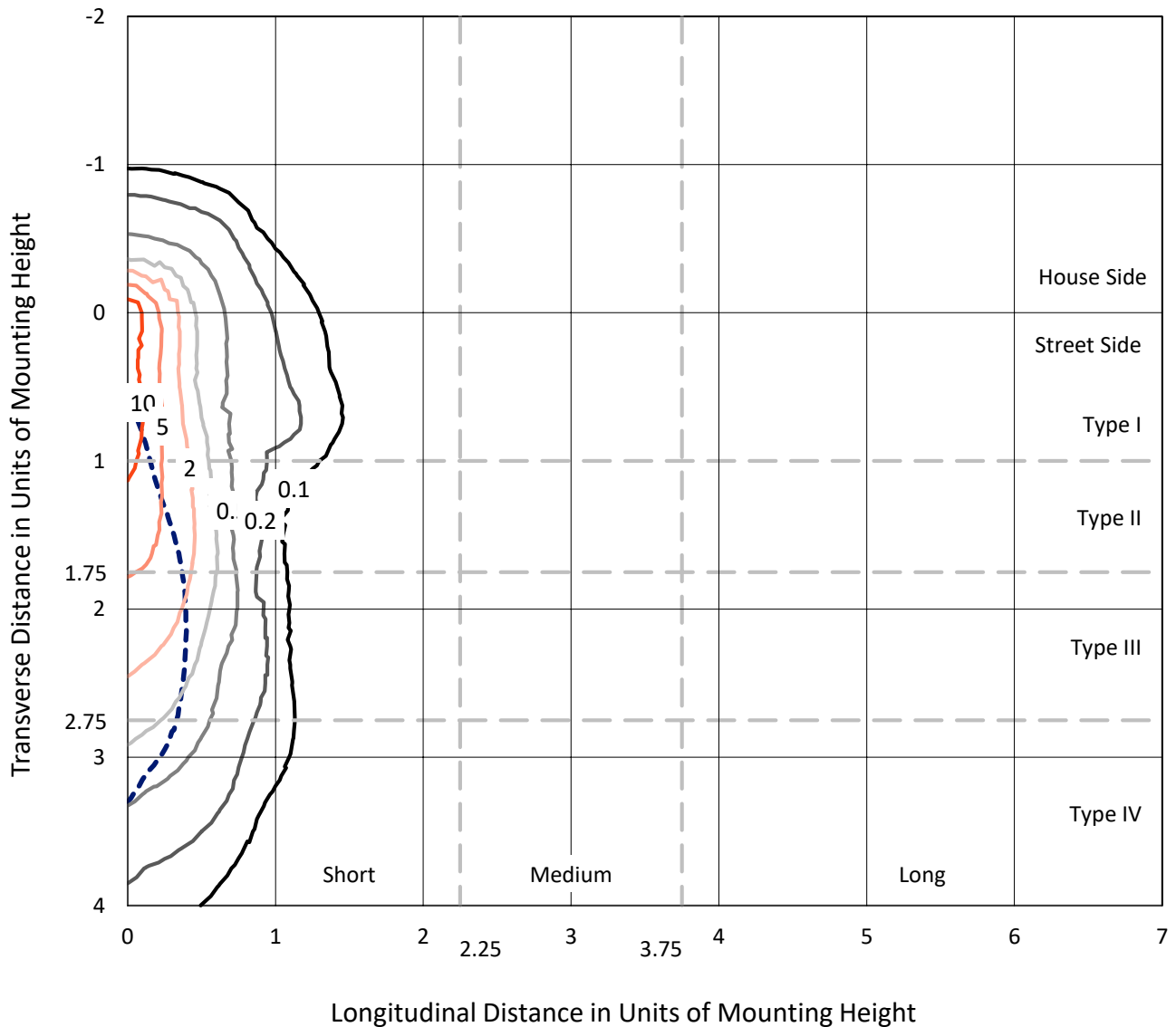
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

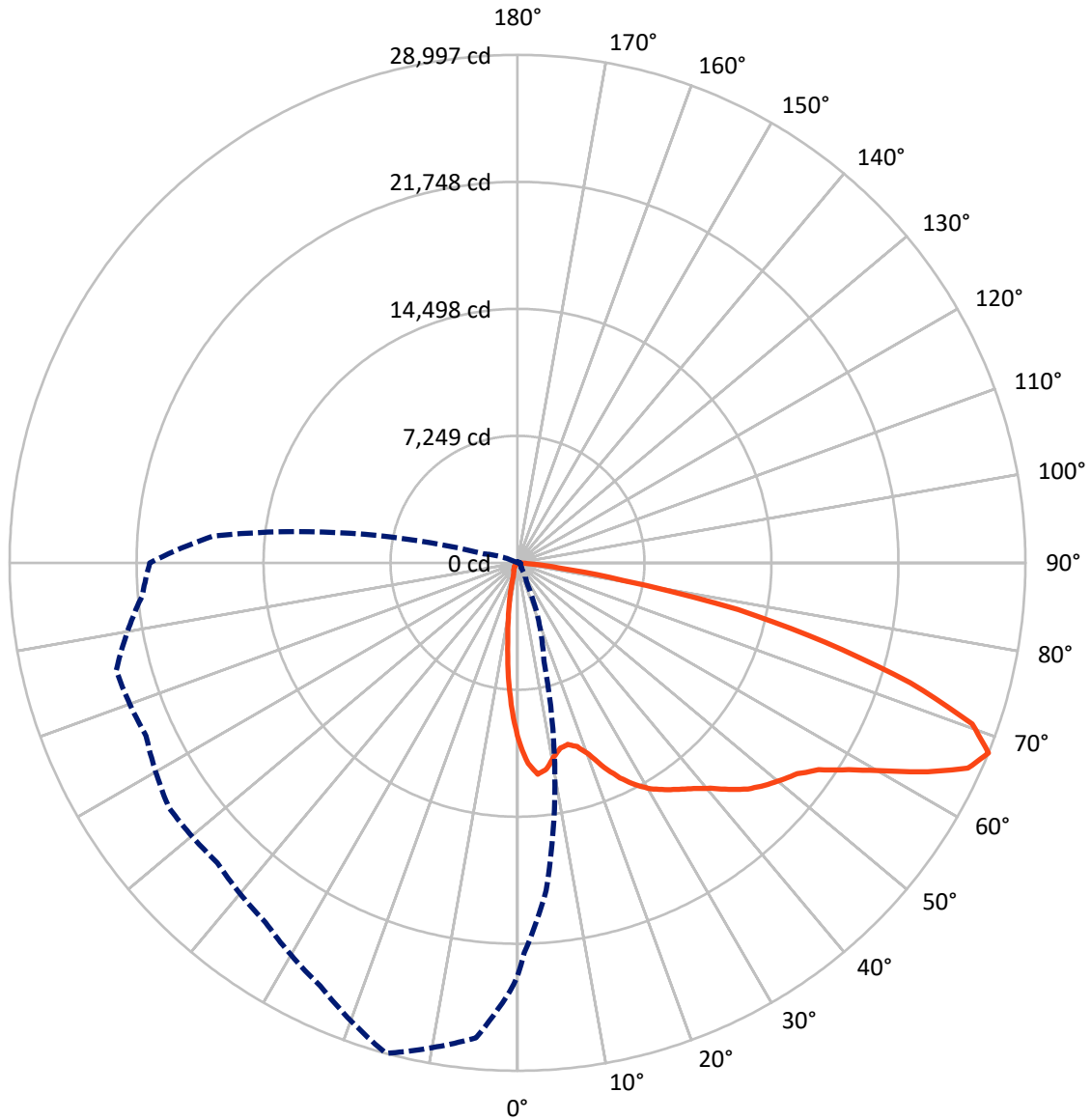
× Max cd
 - - - 1/2 Max cd



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	3791.8	0.0	3791.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	27537.2	0.0	27537.2
	% Fixture	87.9	0.0	87.9
Total	Lumens	31329.0	0.0	31329.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	783.3	2.5
10°-20°	1559.0	5.0
20°-30°	2213.9	7.1
30°-40°	3270.0	10.4
40°-50°	4716.0	15.1
50°-60°	6620.3	21.1
60°-70°	7717.4	24.6
70°-80°	3945.3	12.6
80°-90°	503.9	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°	31329.0	100.0
0°-180°	31329.0	100.0

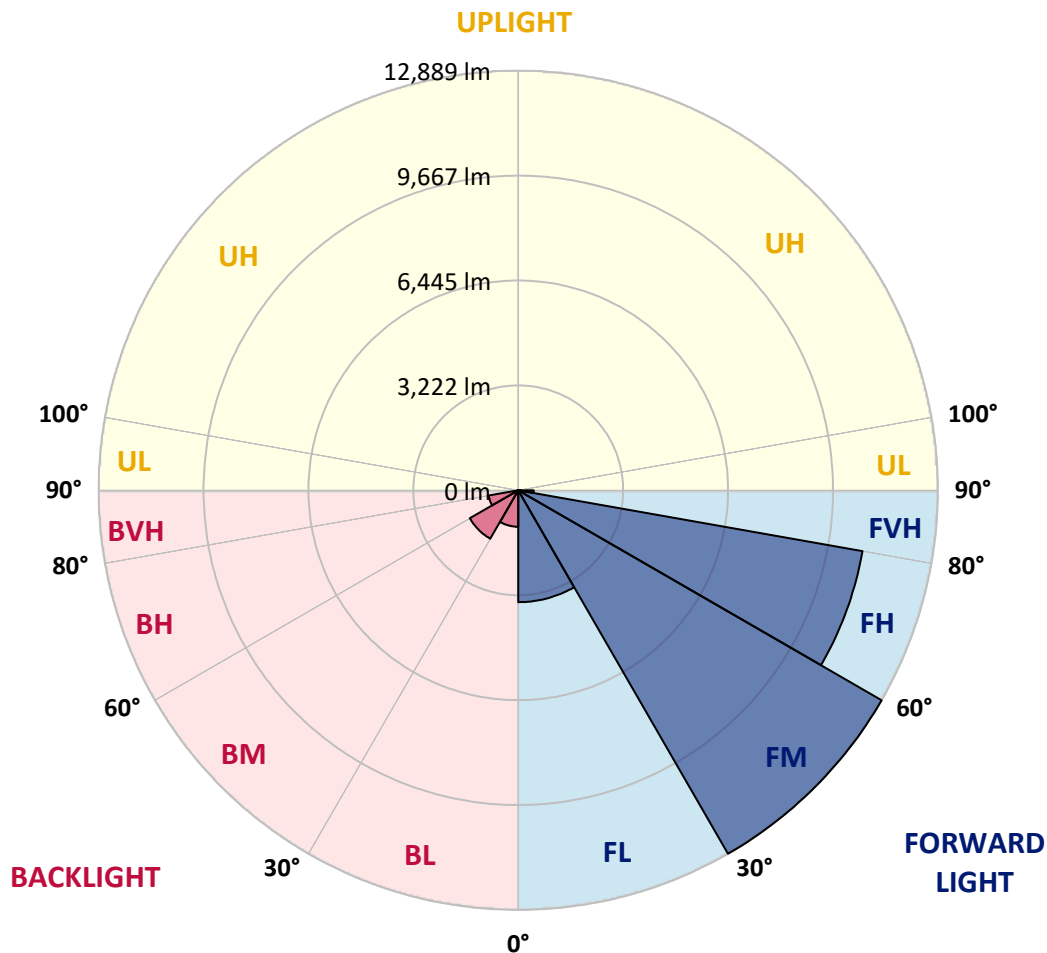


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3436.2	11.0			
FM (30°-60°)	12889.3	41.1			
FH (60°-80°)	10738.5	34.3			G4/12000
FVH (80°-90°)	473.2	1.5			G3/500
BL (0°-30°)	1120.0	3.6	B3/2500		
BM (30°-60°)	1717.1	5.5	B2/2500		
BH (60°-80°)	924.2	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°	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4
2.5°	11174.5	11088.5	10993.5	10683.3	10395.3	10065.8	9797.2	9610.2	9375.7	9071.4	8994.3
5°	11094.4	11002.4	10704.1	10013.9	9409.8	8822.1	8255.1	7922.7	7510.1	7091.5	6987.6
7.5°	10288.5	10192.0	9761.6	8816.2	8002.8	7153.8	6417.7	5962.0	5496.0	5113.1	4909.7
10°	9449.9	9344.5	8860.7	7713.4	6711.6	5944.2	5404.0	4969.1	4528.3	4118.7	3792.1
12.5°	8872.6	8734.5	8209.1	6909.0	6036.2	5515.3	5010.7	4489.7	3893.1	3453.7	3094.6
15°	8630.6	8473.3	7918.2	6598.8	5797.3	5185.8	4528.3	3888.6	3189.5	2686.4	2356.9
17.5°	8817.6	8612.8	8017.7	6578.0	5497.5	4664.8	3833.7	3082.7	2324.3	1815.2	1580.7
20°	9452.9	9184.2	8428.8	6572.0	5133.9	4045.9	2992.1	2143.2	1531.7	1231.9	1108.7
22.5°	10453.2	10098.5	9019.5	6619.5	4758.3	3395.9	2161.0	1456.0	1150.3	994.4	921.7
25°	11661.4	11250.2	9869.9	6787.2	4428.9	2763.6	1570.3	1150.3	970.7	856.4	795.5
27.5°	12810.1	12476.2	10944.5	7029.2	4173.6	2253.0	1274.9	975.1	829.7	754.0	705.0
30°	13957.4	13537.4	12047.3	7317.1	3866.3	1907.2	1120.6	889.0	743.6	663.4	632.3
32.5°	14791.5	14442.8	12911.1	7524.9	3538.3	1681.6	1001.8	813.3	694.6	613.0	567.0
35°	15772.6	15377.8	13651.7	7570.9	3327.6	1539.1	900.9	731.7	602.6	529.9	480.9
37.5°	16832.3	16341.0	14506.6	7470.0	3162.8	1469.4	825.2	694.6	562.5	488.3	436.4
40°	18004.8	17449.7	15327.3	7324.5	3001.1	1445.6	767.3	666.4	531.3	455.6	402.2
42.5°	19239.7	18585.2	16038.3	7171.7	2898.6	1364.0	761.4	638.2	507.6	426.0	372.5
45°	20277.1	19613.7	16768.5	7121.2	2825.9	1274.9	786.6	618.9	491.3	402.2	350.3
47.5°	21103.8	20476.0	17516.5	7234.0	2784.4	1193.3	716.9	644.1	482.4	381.4	331.0
50°	22090.8	21379.9	18570.3	7570.9	2723.5	1111.7	648.6	737.6	482.4	368.1	314.7
52.5°	23328.7	22625.2	19745.8	8093.3	2601.8	998.9	583.3	739.1	486.8	350.3	293.9
55°	24885.6	24375.0	21424.4	8666.2	2407.4	832.6	504.6	635.2	469.0	317.6	274.6
57.5°	26378.7	25961.6	22954.6	9058.1	2147.6	650.1	439.3	512.0	428.9	279.0	244.9
59°	26786.9	26331.2	23515.7	9075.9	1953.2	567.0	406.7	423.0	420.0	261.2	227.1
60°	26786.9	26303.0	23677.5	8980.9	1812.2	521.0	385.9	377.0	437.8	249.3	216.7
62.5°	26301.5	25621.8	23152.0	8338.2	1478.3	443.8	336.9	311.7	393.3	224.1	191.5
65°	25292.3	24302.3	21362.1	7176.1	1318.0	406.7	290.9	255.3	273.1	197.4	167.7
67.5°	23609.2	22267.5	18781.1	5797.3	1254.1	396.3	250.8	216.7	206.3	169.2	146.9
70°	20645.2	19156.6	15647.9	4558.0	1199.2	391.8	210.8	182.6	166.2	142.5	124.7
72.5°	15026.0	13473.6	11109.2	3563.6	1166.6	400.7	169.2	152.9	136.5	111.3	96.5
75°	8595.0	7578.3	6244.0	2353.9	994.4	382.9	130.6	127.6	98.0	80.1	66.8
77.5°	4440.7	4305.7	3741.7	903.9	476.4	167.7	86.1	74.2	57.9	49.0	40.1
80°	1916.1	1895.3	1640.0	261.2	126.2	93.5	49.0	31.2	26.7	20.8	16.3
82.5°	662.0	662.0	583.3	87.6	56.4	46.0	5.9	0.0	0.0	0.0	0.0
85°	133.6	149.9	105.4	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°	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4
2.5°	8900.8	8721.2	8709.3	8596.5	8455.5	8391.7	8354.6	8419.9	8500.0	8508.9	8629.1
5°	6909.0	6720.5	6799.1	6598.8	6638.8	6598.8	6533.5	6545.3	6580.9	6469.6	6607.7
7.5°	4851.9	4709.4	4799.9	4746.5	4817.7	4845.9	4805.8	4746.5	4571.3	4550.6	4670.8
10°	3657.1	3495.3	3398.8	3297.9	3320.2	3366.2	3351.3	3308.3	3197.0	3202.9	3318.7
12.5°	2938.7	2757.6	2566.2	2318.3	2257.5	2291.6	2257.5	2232.2	2125.4	2134.3	2236.7
15°	2229.3	2080.8	1880.5	1681.6	1573.3	1583.6	1488.7	1421.9	1355.1	1274.9	1337.3
17.5°	1505.0	1414.4	1355.1	1295.7	1166.6	1136.9	1016.7	887.6	837.1	800.0	826.7
20°	1065.7	1016.7	992.9	990.0	915.8	878.6	761.4	681.2	656.0	648.6	664.9
22.5°	890.5	854.9	820.8	801.5	764.4	721.3	632.3	592.2	574.4	565.5	577.4
25°	774.8	748.0	712.4	679.8	664.9	618.9	555.1	525.4	513.5	504.6	510.6
27.5°	688.7	664.9	623.4	602.6	590.7	550.6	495.7	472.0	461.6	458.6	457.1
30°	620.4	598.1	559.5	535.8	515.0	479.4	446.7	423.0	412.6	409.6	406.7
32.5°	552.1	534.3	509.1	485.3	463.1	430.4	402.2	382.9	366.6	363.6	362.1
35°	466.0	448.2	434.9	433.4	412.6	381.4	360.7	335.4	322.1	317.6	319.1
37.5°	414.1	390.3	360.7	371.1	365.1	342.9	314.7	289.4	276.1	273.1	273.1
40°	381.4	356.2	322.1	304.3	322.1	317.6	273.1	247.9	234.5	233.0	230.1
42.5°	350.3	325.0	286.5	256.8	265.7	279.0	236.0	212.2	198.9	195.9	191.5
45°	328.0	301.3	258.3	224.1	206.3	234.5	201.9	172.2	164.7	158.8	155.8
47.5°	307.2	282.0	233.0	194.4	164.7	169.2	161.8	141.0	132.1	126.2	124.7
50°	289.4	262.7	210.8	166.2	136.5	124.7	130.6	111.3	103.9	98.0	95.0
52.5°	268.6	243.4	187.0	144.0	114.3	98.0	99.4	87.6	80.1	75.7	74.2
55°	252.3	227.1	167.7	126.2	100.9	80.1	71.2	68.3	63.8	60.9	59.4
57.5°	230.1	206.3	148.4	106.9	86.1	65.3	54.9	54.9	53.4	50.5	49.0
59°	216.7	195.9	136.5	96.5	78.7	56.4	49.0	50.5	49.0	46.0	44.5
60°	206.3	187.0	127.6	89.1	74.2	51.9	44.5	47.5	46.0	43.0	41.6
62.5°	182.6	169.2	109.8	74.2	65.3	41.6	37.1	40.1	40.1	38.6	37.1
65°	160.3	145.5	93.5	62.3	60.9	35.6	29.7	35.6	37.1	34.1	31.2
67.5°	139.5	124.7	81.6	50.5	56.4	28.2	22.3	29.7	40.1	31.2	28.2
70°	118.7	103.9	63.8	40.1	59.4	19.3	17.8	26.7	47.5	34.1	26.7
72.5°	92.0	80.1	44.5	29.7	63.8	13.4	13.4	22.3	53.4	37.1	25.2
75°	63.8	51.9	26.7	17.8	51.9	8.9	8.9	20.8	50.5	34.1	23.7
77.5°	37.1	28.2	8.9	1.5	26.7	0.0	1.5	14.8	35.6	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°	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4
2.5°	8660.3	8860.7	9040.3	9311.9	9633.9	10005.0	10324.1	10667.0	10989.0	11122.6	11214.6
5°	6635.9	6883.7	7173.1	7572.4	8103.7	8758.3	9371.2	10064.4	10809.4	11182.0	11532.2
7.5°	4691.6	4943.9	5303.0	5727.5	6370.2	7149.4	7950.9	8908.2	9917.4	10506.7	11087.0
10°	3373.6	3683.8	4019.2	4599.5	5252.6	5991.7	6816.9	7885.6	9010.6	9663.6	10362.7
12.5°	2296.1	2649.3	3156.9	3807.0	4574.3	5298.6	6015.5	7035.1	8341.2	8988.3	9737.8
15°	1377.3	1573.3	2110.5	2863.0	3804.0	4706.4	5491.5	6514.2	7906.3	8698.9	9478.1
17.5°	849.0	939.5	1231.9	1849.3	2837.8	3979.1	5055.2	6337.5	7968.7	8933.4	9767.5
20°	676.8	712.4	805.9	1092.4	1880.5	3177.7	4563.9	6301.9	8477.8	9665.1	10560.1
22.5°	587.7	621.9	684.2	794.0	1182.9	2379.2	4097.9	6334.6	9208.0	10761.9	11806.8
25°	518.0	547.7	607.0	697.6	866.8	1675.7	3599.2	6480.0	10159.4	12123.0	13233.1
27.5°	463.1	488.3	543.2	626.3	743.6	1169.6	3033.7	6656.6	11287.3	13515.1	14610.5
30°	412.6	434.9	483.8	561.0	645.6	899.4	2413.3	6776.9	12416.8	14610.5	15594.5
32.5°	369.6	385.9	430.4	495.7	561.0	716.9	1834.5	6757.6	13255.4	15521.8	16302.5
35°	325.0	341.4	380.0	436.4	488.3	592.2	1442.6	6396.9	13985.6	16467.2	17112.8
37.5°	276.1	296.8	333.9	384.4	420.0	521.0	1166.6	5962.0	14726.2	17547.7	18016.7
40°	234.5	255.3	287.9	342.9	365.1	494.2	896.5	5432.2	15558.9	18755.8	19008.2
42.5°	194.4	213.7	247.9	295.4	344.3	426.0	663.4	4826.6	16358.9	19788.8	19912.0
45°	157.3	176.6	212.2	259.7	368.1	353.2	513.5	4178.0	17004.5	20648.2	20688.3
47.5°	124.7	142.5	179.6	244.9	342.9	282.0	366.6	3668.9	17546.2	21319.1	21213.7
50°	96.5	111.3	149.9	280.5	299.8	233.0	277.5	3499.7	18031.6	21734.6	21461.5
52.5°	75.7	89.1	123.2	262.7	233.0	192.9	233.0	3658.6	18696.5	22079.0	21601.1
55°	60.9	74.2	96.5	149.9	158.8	163.3	198.9	3807.0	19843.8	22886.4	22424.8
57.5°	50.5	63.8	78.7	105.4	120.2	138.0	176.6	3823.3	21195.9	24228.1	23791.7
59°	46.0	57.9	71.2	93.5	105.4	126.2	166.2	3734.2	21672.3	24716.4	24498.2
60°	43.0	54.9	66.8	86.1	98.0	118.7	160.3	3649.6	21693.1	24698.6	24799.5
62.5°	37.1	49.0	59.4	72.7	83.1	100.9	144.0	3336.5	20814.4	23889.7	24618.4
65°	32.7	43.0	53.4	62.3	71.2	90.5	130.6	2765.1	19313.9	22585.1	23379.1
67.5°	29.7	37.1	49.0	54.9	63.8	80.1	115.8	1971.0	17439.4	20989.6	21504.6
70°	26.7	35.6	44.5	50.5	57.9	69.8	99.4	1132.4	14726.2	18653.4	19020.0
72.5°	25.2	34.1	40.1	47.5	51.9	62.3	90.5	532.8	10782.7	14942.9	15900.2
75°	22.3	31.2	37.1	44.5	49.0	56.4	77.2	255.3	7171.7	10813.9	11901.8
77.5°	13.4	25.2	34.1	40.1	43.0	49.0	63.8	146.9	4577.3	7484.8	8816.2
80°	0.0	8.9	25.2	34.1	37.1	41.6	49.0	115.8	2448.9	4276.0	5132.4
82.5°	0.0	0.0	17.8	26.7	25.2	28.2	37.1	72.7	1104.2	2794.7	3149.5
85°	0.0	0.0	5.9	20.8	17.8	13.4	25.2	25.2	241.9	1414.4	1764.7
87.5°	0.0	0.0	0.0	1.5	8.9	5.9	10.4	3.0	1.5	105.4	427.4
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°	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4	10205.4
2.5°	11536.7	11646.5	11832.0	11919.6	11876.6	11694.0	11475.8	11253.2	11122.6	11174.5
5°	12246.1	12811.6	13138.1	13246.5	13065.4	12655.8	12120.0	11413.5	11162.7	11094.4
7.5°	12246.1	13310.3	13984.1	14102.9	13699.2	12896.2	11891.4	10788.7	10422.1	10288.5
10°	11815.7	13264.3	14203.8	14392.3	13828.3	12627.6	11281.4	10022.8	9587.9	9449.9
12.5°	11330.4	12890.3	13880.2	14140.0	13676.9	12360.4	10858.4	9504.8	8992.8	8872.6
15°	11032.1	12430.2	13249.5	13438.0	13242.0	12204.6	10757.5	9349.0	8746.4	8630.6
17.5°	11138.9	12074.0	12369.3	12479.2	12611.3	12149.7	11032.1	9690.3	8927.5	8817.6
20°	11541.1	11698.5	11545.6	11683.6	12039.8	12203.1	11686.6	10515.6	9599.8	9452.9
22.5°	12223.9	11504.0	11075.1	11130.0	11563.4	12379.7	12686.9	11694.0	10637.3	10453.2
25°	13019.4	11661.4	10813.9	10764.9	11210.2	12612.7	13601.2	12976.4	11864.7	11661.4
27.5°	14019.8	12014.6	10760.5	10711.5	11087.0	12830.9	14361.1	14243.9	13157.4	12810.1
30°	14791.5	12361.9	10919.3	10806.5	11210.2	12982.3	14971.1	15319.9	14187.5	13957.4
32.5°	15345.2	12771.5	11177.5	11014.3	11557.5	13243.5	15441.6	16305.4	15140.3	14791.5
35°	15766.7	13216.8	11594.6	11325.9	12035.4	13639.8	15882.4	17354.8	16154.0	15772.6
37.5°	16161.5	13841.7	12246.1	11925.6	12784.9	14278.0	16348.5	18545.1	17288.0	16832.3
40°	16712.1	14549.6	13250.9	12966.0	14045.0	15147.8	16930.3	19785.9	18577.7	18004.8
42.5°	17262.7	15309.5	14279.5	14356.7	15616.8	16204.5	17681.3	21097.9	19851.2	19239.7
45°	17765.9	16093.2	15744.4	16100.6	17075.7	17363.7	18427.8	21856.3	20867.9	20277.1
47.5°	18214.1	17072.8	17200.4	18148.8	18735.1	18413.0	18985.9	22510.9	21624.8	21103.8
50°	18735.1	18340.3	19119.5	20461.2	20645.2	19362.9	19493.5	23285.6	22509.4	22090.8
52.5°	19305.0	19676.0	21244.8	22427.8	22368.4	20394.4	20004.1	24153.9	23722.0	23328.7
55°	19952.1	20755.1	23116.4	24268.2	24217.7	21546.1	20850.1	25227.0	25241.8	24885.6
57.5°	20912.4	21684.2	24386.9	25756.8	25841.4	22876.0	22283.8	26429.2	26616.2	26378.7
59°	21601.1	22286.8	24890.0	26378.7	26723.0	23904.5	23331.6	27126.7	27003.5	26786.9
60°	22111.6	22669.7	25139.4	26703.7	27235.1	24602.1	24104.9	27536.4	27049.6	26786.9
62.5°	23374.7	23503.8	25589.1	27071.8	27824.3	26151.6	26280.7	28233.9	26730.5	26301.5
65°	23963.9	24030.7	25583.2	26412.8	27254.4	27358.3	28254.7	28254.7	25951.2	25292.3
67.5°	23717.5	23395.5	24314.2	24228.1	25068.1	26641.4	28996.8	27218.8	24461.1	23609.2
70°	21713.9	20474.5	20066.4	20103.5	20746.2	23172.8	27527.5	24170.2	21641.1	20645.2
72.5°	18067.2	15094.3	14086.5	15236.8	15404.5	17808.9	23459.3	18202.2	15959.6	15026.0
75°	14531.8	10640.2	9001.7	10215.8	10500.7	13032.8	18147.3	11336.3	9322.3	8595.0
77.5°	10439.9	7637.7	6459.2	6374.6	6742.7	8265.5	12876.9	5705.3	4758.3	4440.7
80°	5930.9	5027.0	5412.9	5107.1	5292.7	5168.0	6117.9	2502.4	2049.7	1916.1
82.5°	3579.9	2971.4	3217.7	2679.0	3389.9	2952.1	2356.9	801.5	696.1	662.0
85°	2328.7	1623.7	846.0	567.0	1168.1	1886.4	526.9	218.2	167.7	133.6
87.5°	803.0	414.1	41.6	17.8	124.7	351.8	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)