

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: P324567

Luminaire Tested: **GAN-SA3C-760-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324567
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-SA3C-760-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 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: 16007 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

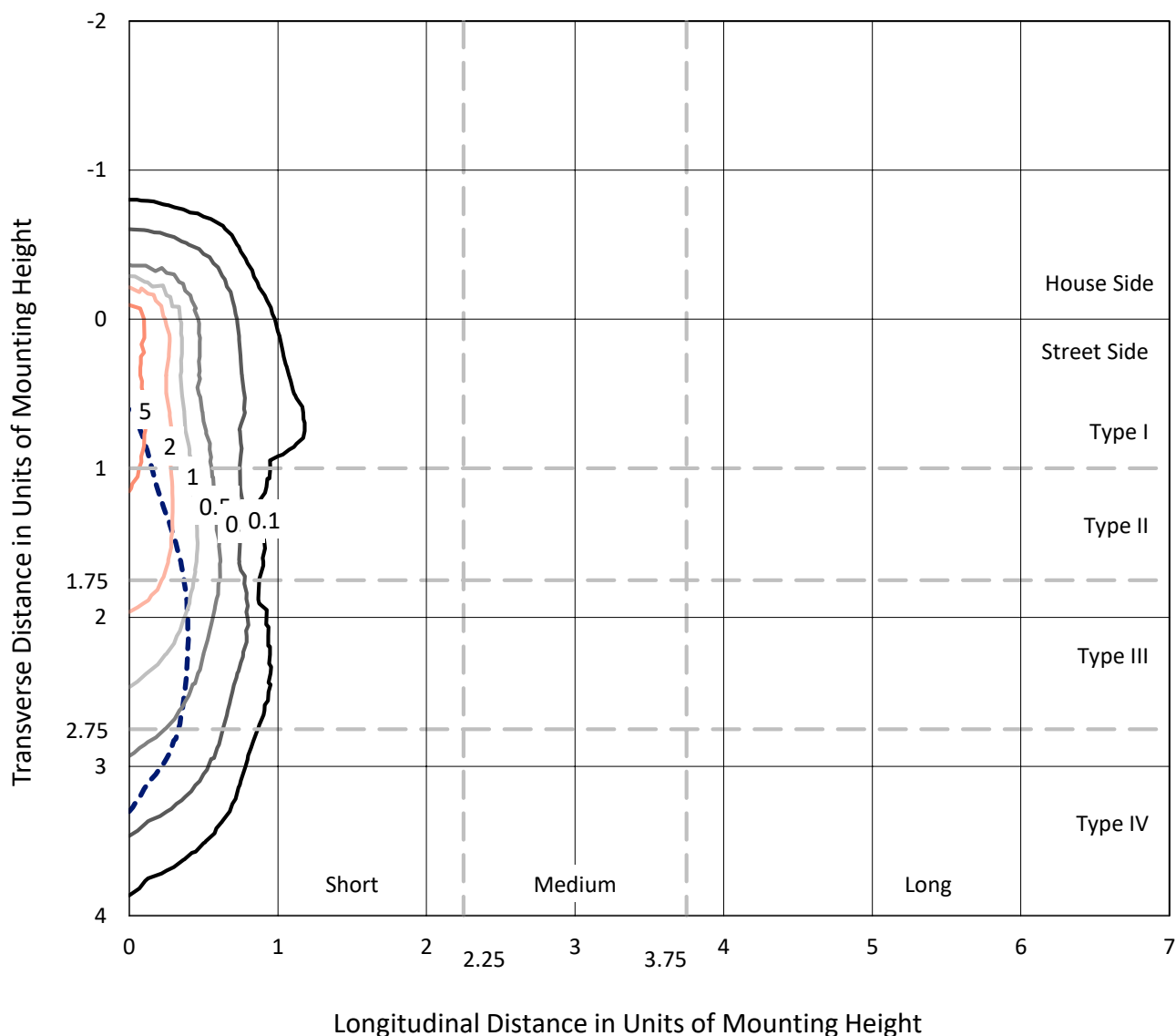
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

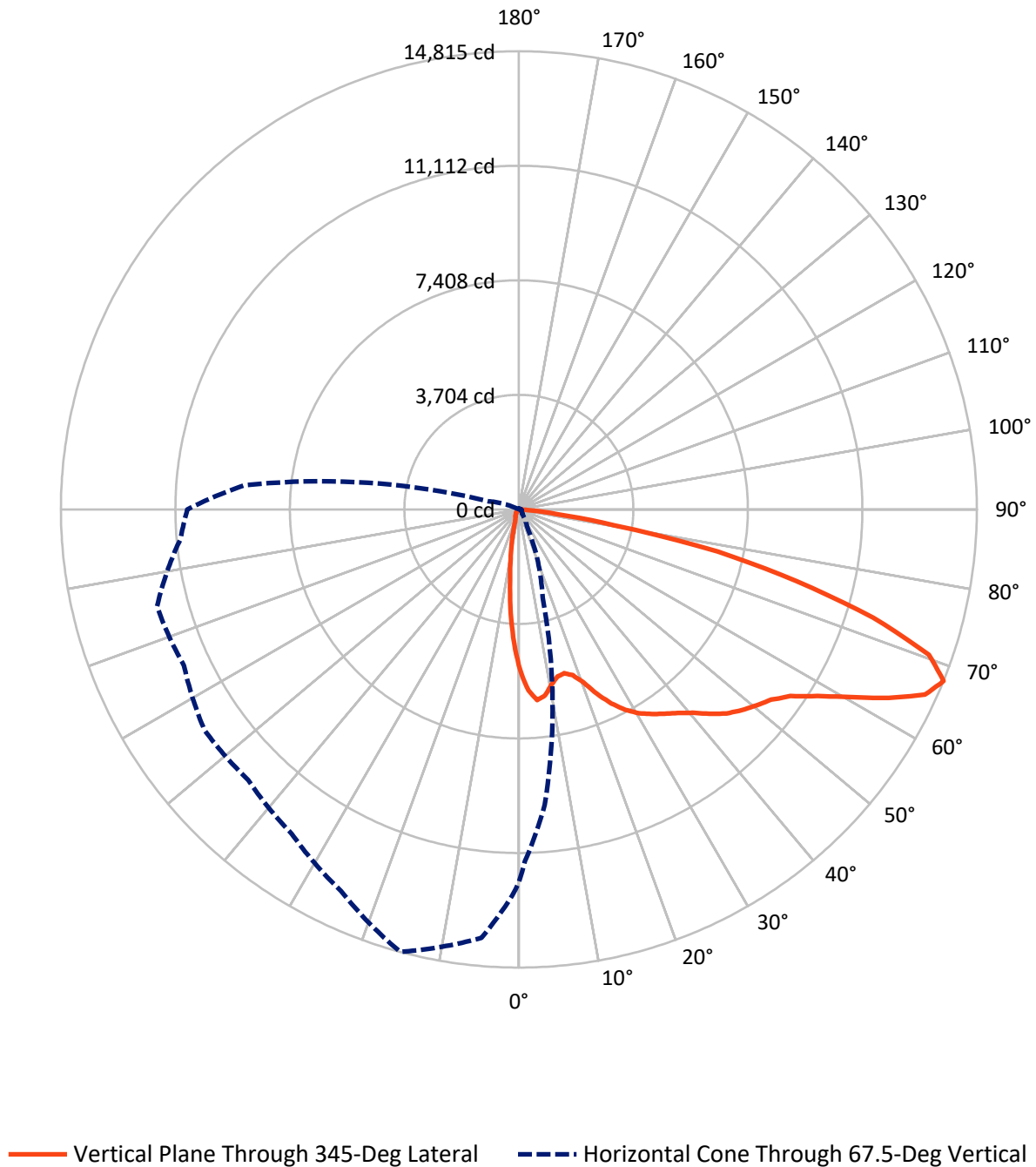
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1937.4	0.0	1937.4
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	14069.6	0.0	14069.6
	% Fixture	87.9	0.0	87.9
Total	Lumens	16007.0	0.0	16007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.2	2.5
10°-20°	796.6	5.0
20°-30°	1131.1	7.1
30°-40°	1670.7	10.4
40°-50°	2409.6	15.1
50°-60°	3382.5	21.1
60°-70°	3943.1	24.6
70°-80°	2015.8	12.6
80°-90°	257.4	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°	16007.0	100.0
0°-180°	16007.0	100.0

Coefficient of Utilization



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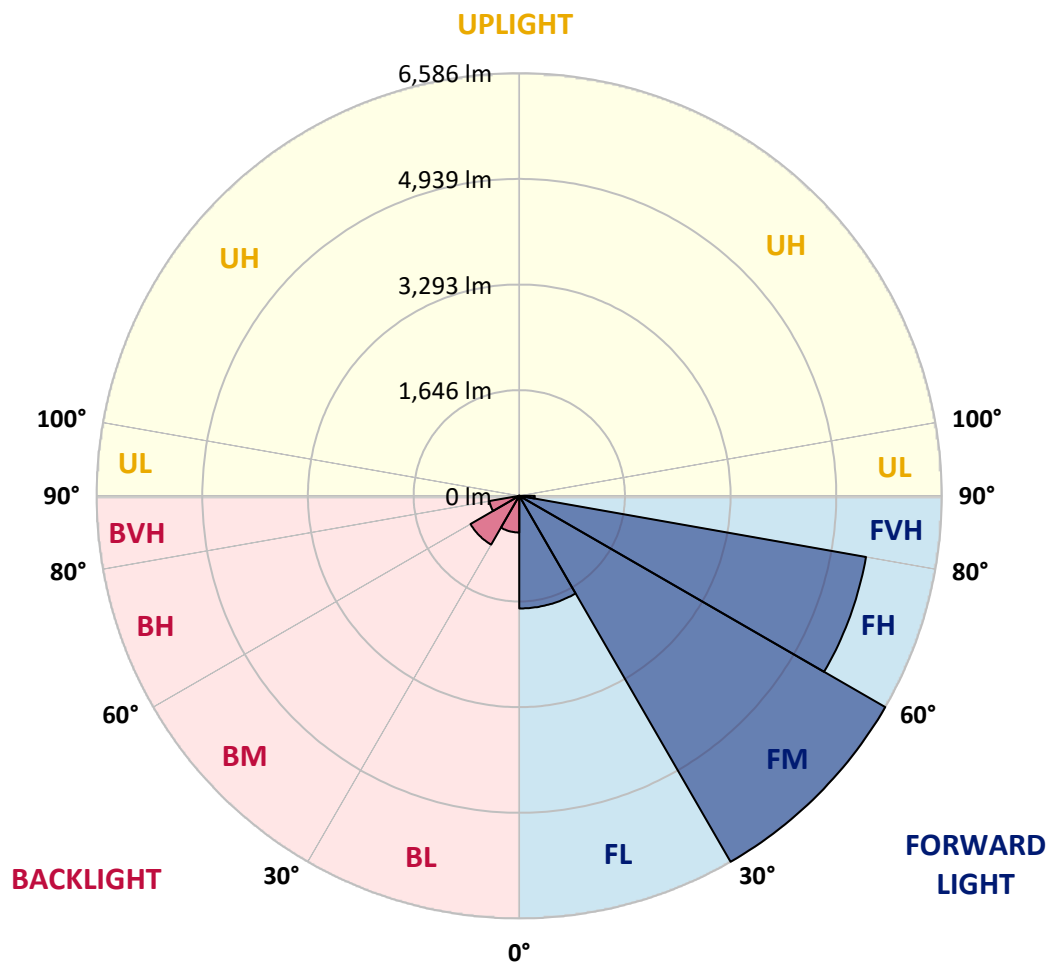
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1755.7	11.0			
FM	(30°-60°)	6585.5	41.1			
FH	(60°-80°)	5486.6	34.3			G3/7500
FVH	(80°-90°)	241.8	1.5			G3/500
BL	(0°-30°)	572.2	3.6	B2/1000		
BM	(30°-60°)	877.3	5.5	B1/1000		
BH	(60°-80°)	472.2	2.9	B1/500		G1/500
BVH	(80°-90°)	15.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3
2.5°	5709.4	5665.5	5616.9	5458.4	5311.3	5143.0	5005.7	4910.2	4790.3	4634.9	4595.5
5°	5668.5	5621.5	5469.0	5116.4	4807.8	4507.5	4217.8	4047.9	3837.1	3623.3	3570.2
7.5°	5256.7	5207.4	4987.5	4504.5	4088.9	3655.1	3279.0	3046.2	2808.1	2612.4	2508.5
10°	4828.3	4774.4	4527.2	3941.0	3429.2	3037.1	2761.1	2538.9	2313.7	2104.4	1937.5
12.5°	4533.3	4462.7	4194.3	3530.0	3084.1	2817.9	2560.1	2293.9	1989.1	1764.6	1581.1
15°	4409.7	4329.3	4045.7	3371.5	2962.0	2649.6	2313.7	1986.8	1629.6	1372.6	1204.2
17.5°	4505.2	4400.6	4096.5	3360.9	2808.8	2383.4	1958.8	1575.0	1187.5	927.4	807.6
20°	4829.8	4692.5	4306.5	3357.9	2623.1	2067.2	1528.8	1095.0	782.6	629.4	566.5
22.5°	5340.9	5159.7	4608.3	3382.1	2431.2	1735.1	1104.1	743.9	587.7	508.1	470.9
25°	5958.2	5748.1	5042.9	3467.8	2262.8	1412.0	802.3	587.7	495.9	437.6	406.5
27.5°	6545.1	6374.5	5591.9	3591.4	2132.4	1151.1	651.4	498.2	423.9	385.2	360.2
30°	7131.3	6916.7	6155.3	3738.5	1975.4	974.4	572.5	454.2	379.9	339.0	323.0
32.5°	7557.5	7379.3	6596.7	3844.7	1807.8	859.2	511.9	415.6	354.9	313.2	289.7
35°	8058.7	7857.0	6975.1	3868.2	1700.2	786.4	460.3	373.9	307.9	270.7	245.7
37.5°	8600.2	8349.2	7411.9	3816.7	1616.0	750.7	421.6	354.9	287.4	249.5	222.9
40°	9199.3	8915.6	7831.2	3742.3	1533.3	738.6	392.1	340.5	271.5	232.8	205.5
42.5°	9830.2	9495.8	8194.5	3664.2	1481.0	696.9	389.0	326.1	259.3	217.6	190.3
45°	10360.3	10021.3	8567.6	3638.4	1443.9	651.4	401.9	316.2	251.0	205.5	179.0
47.5°	10782.6	10461.9	8949.8	3696.1	1422.6	609.7	366.3	329.1	246.5	194.9	169.1
50°	11286.9	10923.7	9488.2	3868.2	1391.5	568.0	331.4	376.9	246.5	188.1	160.8
52.5°	11919.4	11559.9	10088.8	4135.2	1329.3	510.4	298.0	377.6	248.7	179.0	150.1
55°	12714.9	12454.0	10946.4	4427.9	1230.0	425.4	257.8	324.6	239.6	162.3	140.3
57.5°	13477.7	13264.6	11728.3	4628.1	1097.3	332.1	224.5	261.6	219.2	142.6	125.1
59°	13686.3	13453.5	12014.9	4637.2	998.0	289.7	207.8	216.1	214.6	133.5	116.0
60°	13686.3	13439.1	12097.6	4588.6	925.9	266.2	197.2	192.6	223.7	127.4	110.7
62.5°	13438.3	13091.0	11829.1	4260.3	755.3	226.7	172.1	159.2	201.0	114.5	97.8
65°	12922.6	12416.8	10914.6	3666.5	673.4	207.8	148.6	130.4	139.5	100.9	85.7
67.5°	12062.7	11377.2	9595.9	2962.0	640.8	202.5	128.2	110.7	105.4	86.4	75.1
70°	10548.3	9787.7	7995.0	2328.8	612.7	200.2	107.7	93.3	84.9	72.8	63.7
72.5°	7677.3	6884.1	5676.1	1820.7	596.0	204.7	86.4	78.1	69.8	56.9	49.3
75°	4391.5	3872.0	3190.3	1202.7	508.1	195.6	66.7	65.2	50.0	40.9	34.1
77.5°	2268.9	2199.9	1911.7	461.8	243.4	85.7	44.0	37.9	29.6	25.0	20.5
80°	979.0	968.4	838.0	133.5	64.5	47.8	25.0	15.9	13.6	10.6	8.3
82.5°	338.2	338.2	298.0	44.7	28.8	23.5	3.0	0.0	0.0	0.0	0.0
85°	68.2	76.6	53.8	0.0	9.9	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°	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3
2.5°	4547.7	4455.9	4449.9	4392.2	4320.2	4287.6	4268.6	4302.0	4342.9	4347.5	4408.9
5°	3530.0	3433.7	3473.9	3371.5	3392.0	3371.5	3338.2	3344.2	3362.4	3305.5	3376.1
7.5°	2479.0	2406.2	2452.4	2425.1	2461.5	2475.9	2455.5	2425.1	2335.6	2325.0	2386.5
10°	1868.5	1785.9	1736.6	1685.0	1696.4	1719.9	1712.3	1690.3	1633.4	1636.5	1695.6
12.5°	1501.5	1409.0	1311.1	1184.5	1153.4	1170.9	1153.4	1140.5	1085.9	1090.5	1142.8
15°	1139.0	1063.2	960.8	859.2	803.8	809.1	760.6	726.5	692.4	651.4	683.3
17.5°	768.9	722.7	692.4	662.0	596.0	580.9	519.5	453.5	427.7	408.7	422.4
20°	544.5	519.5	507.3	505.8	467.9	448.9	389.0	348.1	335.2	331.4	339.7
22.5°	455.0	436.8	419.4	409.5	390.5	368.5	323.0	302.6	293.5	288.9	295.0
25°	395.8	382.2	364.0	347.3	339.7	316.2	283.6	268.4	262.4	257.8	260.9
27.5°	351.9	339.7	318.5	307.9	301.8	281.3	253.3	241.1	235.8	234.3	233.6
30°	317.0	305.6	285.9	273.8	263.1	244.9	228.3	216.1	210.8	209.3	207.8
32.5°	282.1	273.0	260.1	248.0	236.6	219.9	205.5	195.6	187.3	185.8	185.0
35°	238.1	229.0	222.2	221.4	210.8	194.9	184.3	171.4	164.6	162.3	163.0
37.5°	211.6	199.4	184.3	189.6	186.5	175.2	160.8	147.9	141.0	139.5	139.5
40°	194.9	182.0	164.6	155.5	164.6	162.3	139.5	126.6	119.8	119.1	117.5
42.5°	179.0	166.1	146.4	131.2	135.7	142.6	120.6	108.4	101.6	100.1	97.8
45°	167.6	153.9	131.9	114.5	105.4	119.8	103.1	88.0	84.2	81.1	79.6
47.5°	157.0	144.1	119.1	99.3	84.2	86.4	82.7	72.0	67.5	64.5	63.7
50°	147.9	134.2	107.7	84.9	69.8	63.7	66.7	56.9	53.1	50.0	48.5
52.5°	137.3	124.4	95.5	73.6	58.4	50.0	50.8	44.7	40.9	38.7	37.9
55°	128.9	116.0	85.7	64.5	51.6	40.9	36.4	34.9	32.6	31.1	30.3
57.5°	117.5	105.4	75.8	54.6	44.0	33.4	28.1	28.1	27.3	25.8	25.0
59°	110.7	100.1	69.8	49.3	40.2	28.8	25.0	25.8	25.0	23.5	22.7
60°	105.4	95.5	65.2	45.5	37.9	26.5	22.7	24.3	23.5	22.0	21.2
62.5°	93.3	86.4	56.1	37.9	33.4	21.2	19.0	20.5	20.5	19.7	19.0
65°	81.9	74.3	47.8	31.8	31.1	18.2	15.2	18.2	19.0	17.4	15.9
67.5°	71.3	63.7	41.7	25.8	28.8	14.4	11.4	15.2	20.5	15.9	14.4
70°	60.7	53.1	32.6	20.5	30.3	9.9	9.1	13.6	24.3	17.4	13.6
72.5°	47.0	40.9	22.7	15.2	32.6	6.8	6.8	11.4	27.3	19.0	12.9
75°	32.6	26.5	13.6	9.1	26.5	4.5	4.5	10.6	25.8	17.4	12.1
77.5°	19.0	14.4	4.5	0.8	13.6	0.0	0.8	7.6	18.2	10.6	5.3
80°	6.8	3.0	0.0	0.0	8.3	0.0	0.0	0.0	1.5	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°	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3
2.5°	4424.8	4527.2	4619.0	4757.7	4922.3	5111.9	5274.9	5450.1	5614.6	5682.9	5729.9
5°	3390.5	3517.1	3665.0	3869.0	4140.5	4474.9	4788.1	5142.2	5522.9	5713.2	5892.2
7.5°	2397.1	2526.0	2709.5	2926.4	3254.7	3652.9	4062.4	4551.5	5067.1	5368.2	5664.7
10°	1723.7	1882.2	2053.5	2350.1	2683.7	3061.4	3483.0	4029.0	4603.8	4937.5	5294.6
12.5°	1173.1	1353.6	1613.0	1945.1	2337.2	2707.2	3073.5	3594.5	4261.8	4592.4	4975.4
15°	703.7	803.8	1078.3	1462.8	1943.6	2404.7	2805.8	3328.3	4039.6	4444.5	4842.7
17.5°	433.8	480.0	629.4	944.9	1449.9	2033.1	2582.9	3238.1	4071.5	4564.4	4990.5
20°	345.8	364.0	411.8	558.1	960.8	1623.6	2331.9	3219.9	4331.6	4938.2	5395.5
22.5°	300.3	317.7	349.6	405.7	604.4	1215.6	2093.7	3236.5	4704.7	5498.6	6032.5
25°	264.7	279.8	310.2	356.4	442.9	856.2	1838.9	3310.9	5190.7	6194.0	6761.2
27.5°	236.6	249.5	277.5	320.0	379.9	597.6	1550.0	3401.1	5767.1	6905.3	7465.0
30°	210.8	222.2	247.2	286.6	329.9	459.5	1233.0	3462.5	6344.2	7465.0	7967.7
32.5°	188.8	197.2	219.9	253.3	286.6	366.3	937.3	3452.7	6772.6	7930.6	8329.5
35°	166.1	174.4	194.1	222.9	249.5	302.6	737.1	3268.4	7145.7	8413.6	8743.5
37.5°	141.0	151.7	170.6	196.4	214.6	266.2	596.0	3046.2	7524.1	8965.7	9205.3
40°	119.8	130.4	147.1	175.2	186.5	252.5	458.0	2775.5	7949.5	9583.0	9711.9
42.5°	99.3	109.2	126.6	150.9	175.9	217.6	339.0	2466.1	8358.3	10110.8	10173.7
45°	80.4	90.2	108.4	132.7	188.1	180.5	262.4	2134.7	8688.1	10549.8	10570.3
47.5°	63.7	72.8	91.8	125.1	175.2	144.1	187.3	1874.6	8964.9	10892.6	10838.8
50°	49.3	56.9	76.6	143.3	153.2	119.1	141.8	1788.1	9212.9	11104.9	10965.4
52.5°	38.7	45.5	62.9	134.2	119.1	98.6	119.1	1869.3	9552.6	11280.9	11036.7
55°	31.1	37.9	49.3	76.6	81.1	83.4	101.6	1945.1	10138.8	11693.4	11457.5
57.5°	25.8	32.6	40.2	53.8	61.4	70.5	90.2	1953.4	10829.7	12378.9	12156.0
59°	23.5	29.6	36.4	47.8	53.8	64.5	84.9	1907.9	11073.1	12628.4	12516.9
60°	22.0	28.1	34.1	44.0	50.0	60.7	81.9	1864.7	11083.7	12619.3	12670.9
62.5°	19.0	25.0	30.3	37.2	42.5	51.6	73.6	1704.7	10634.8	12206.0	12578.4
65°	16.7	22.0	27.3	31.8	36.4	46.3	66.7	1412.8	9868.1	11539.4	11945.2
67.5°	15.2	19.0	25.0	28.1	32.6	40.9	59.1	1007.1	8910.3	10724.2	10987.4
70°	13.6	18.2	22.7	25.8	29.6	35.6	50.8	578.6	7524.1	9530.6	9717.9
72.5°	12.9	17.4	20.5	24.3	26.5	31.8	46.3	272.2	5509.2	7634.8	8123.9
75°	11.4	15.9	19.0	22.7	25.0	28.8	39.4	130.4	3664.2	5525.2	6081.0
77.5°	6.8	12.9	17.4	20.5	22.0	25.0	32.6	75.1	2338.7	3824.2	4504.5
80°	0.0	4.5	12.9	17.4	19.0	21.2	25.0	59.1	1251.2	2184.7	2622.3
82.5°	0.0	0.0	9.1	13.6	12.9	14.4	19.0	37.2	564.2	1427.9	1609.2
85°	0.0	0.0	3.0	10.6	9.1	6.8	12.9	12.9	123.6	722.7	901.6
87.5°	0.0	0.0	0.0	0.8	4.5	3.0	5.3	1.5	0.8	53.8	218.4
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°	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3	5214.3
2.5°	5894.5	5950.6	6045.4	6090.1	6068.1	5974.9	5863.4	5749.6	5682.9	5709.4
5°	6256.9	6545.9	6712.7	6768.1	6675.5	6466.2	6192.5	5831.5	5703.4	5668.5
7.5°	6256.9	6800.7	7144.9	7205.6	6999.4	6589.1	6075.7	5512.3	5325.0	5256.7
10°	6037.0	6777.2	7257.2	7353.5	7065.3	6451.8	5764.0	5121.0	4898.8	4828.3
12.5°	5789.1	6586.1	7091.9	7224.6	6988.0	6315.3	5547.9	4856.3	4594.7	4533.3
15°	5636.6	6351.0	6769.6	6865.9	6765.8	6235.7	5496.3	4776.7	4468.8	4409.7
17.5°	5691.2	6169.0	6319.9	6376.0	6443.5	6207.7	5636.6	4951.1	4561.3	4505.2
20°	5896.7	5977.1	5899.0	5969.5	6151.5	6235.0	5971.1	5372.7	4904.9	4829.8
22.5°	6245.6	5877.8	5658.6	5686.7	5908.1	6325.2	6482.2	5974.9	5434.9	5340.9
25°	6652.0	5958.2	5525.2	5500.1	5727.6	6444.3	6949.3	6630.0	6062.1	5958.2
27.5°	7163.1	6138.7	5497.9	5472.8	5664.7	6555.7	7337.6	7277.7	6722.6	6545.1
30°	7557.5	6316.1	5579.0	5521.4	5727.6	6633.1	7649.2	7827.4	7248.8	7131.3
32.5°	7840.3	6525.4	5711.0	5627.5	5905.1	6766.5	7889.6	8331.0	7735.7	7557.5
35°	8055.7	6752.9	5924.0	5786.8	6149.3	6969.0	8114.8	8867.1	8253.6	8058.7
37.5°	8257.4	7072.1	6256.9	6093.2	6532.2	7295.1	8353.0	9475.3	8833.0	8600.2
40°	8538.8	7433.9	6770.3	6624.7	7176.0	7739.5	8650.2	10109.2	9492.0	9199.3
42.5°	8820.1	7822.1	7295.9	7335.3	7979.1	8279.4	9033.9	10779.6	10142.6	9830.2
45°	9077.2	8222.5	8044.3	8226.3	8724.5	8871.7	9415.4	11167.1	10662.1	10360.3
47.5°	9306.2	8723.0	8788.2	9272.8	9572.4	9407.8	9700.5	11501.5	11048.8	10782.6
50°	9572.4	9370.6	9768.8	10454.3	10548.3	9893.1	9959.9	11897.4	11500.8	11286.9
52.5°	9863.5	10053.1	10854.7	11459.1	11428.7	10420.2	10220.7	12341.0	12120.3	11919.4
55°	10194.2	10604.4	11810.9	12399.4	12373.6	11008.6	10653.0	12889.3	12896.9	12714.9
57.5°	10684.8	11079.1	12460.1	13160.0	13203.2	11688.1	11385.5	13503.5	13599.1	13477.7
59°	11036.7	11387.0	12717.1	13477.7	13653.7	12213.6	11920.9	13859.9	13797.0	13686.3
60°	11297.5	11582.7	12844.5	13643.8	13915.3	12570.0	12316.0	14069.2	13820.5	13686.3
62.5°	11942.9	12008.9	13074.3	13831.9	14216.3	13361.7	13427.7	14425.6	13657.5	13438.3
65°	12243.9	12278.1	13071.3	13495.2	13925.1	13978.2	14436.3	14436.3	13259.3	12922.6
67.5°	12118.1	11953.5	12422.9	12378.9	12808.1	13612.0	14815.4	13906.9	12498.0	12062.7
70°	11094.3	10461.1	10252.6	10271.5	10599.9	11839.7	14064.7	12349.3	11057.2	10548.3
72.5°	9231.1	7712.2	7197.3	7785.0	7870.7	9099.2	11986.1	9300.1	8154.3	7677.3
75°	7424.8	5436.4	4599.2	5219.6	5365.2	6658.9	9272.1	5792.1	4763.0	4391.5
77.5°	5334.1	3902.3	3300.2	3257.0	3445.1	4223.1	6579.2	2915.0	2431.2	2268.9
80°	3030.3	2568.5	2765.6	2609.4	2704.2	2640.5	3125.8	1278.5	1047.2	979.0
82.5°	1829.1	1518.2	1644.1	1368.8	1732.0	1508.3	1204.2	409.5	355.7	338.2
85°	1189.8	829.6	432.2	289.7	596.8	963.8	269.2	111.5	85.7	68.2
87.5°	410.3	211.6	21.2	9.1	63.7	179.7	9.9	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)