

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: McGRAW-EDISON

Report Number: P530915

Luminaire Tested: **GALN-SA6A-830-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-830-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11913 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 182
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



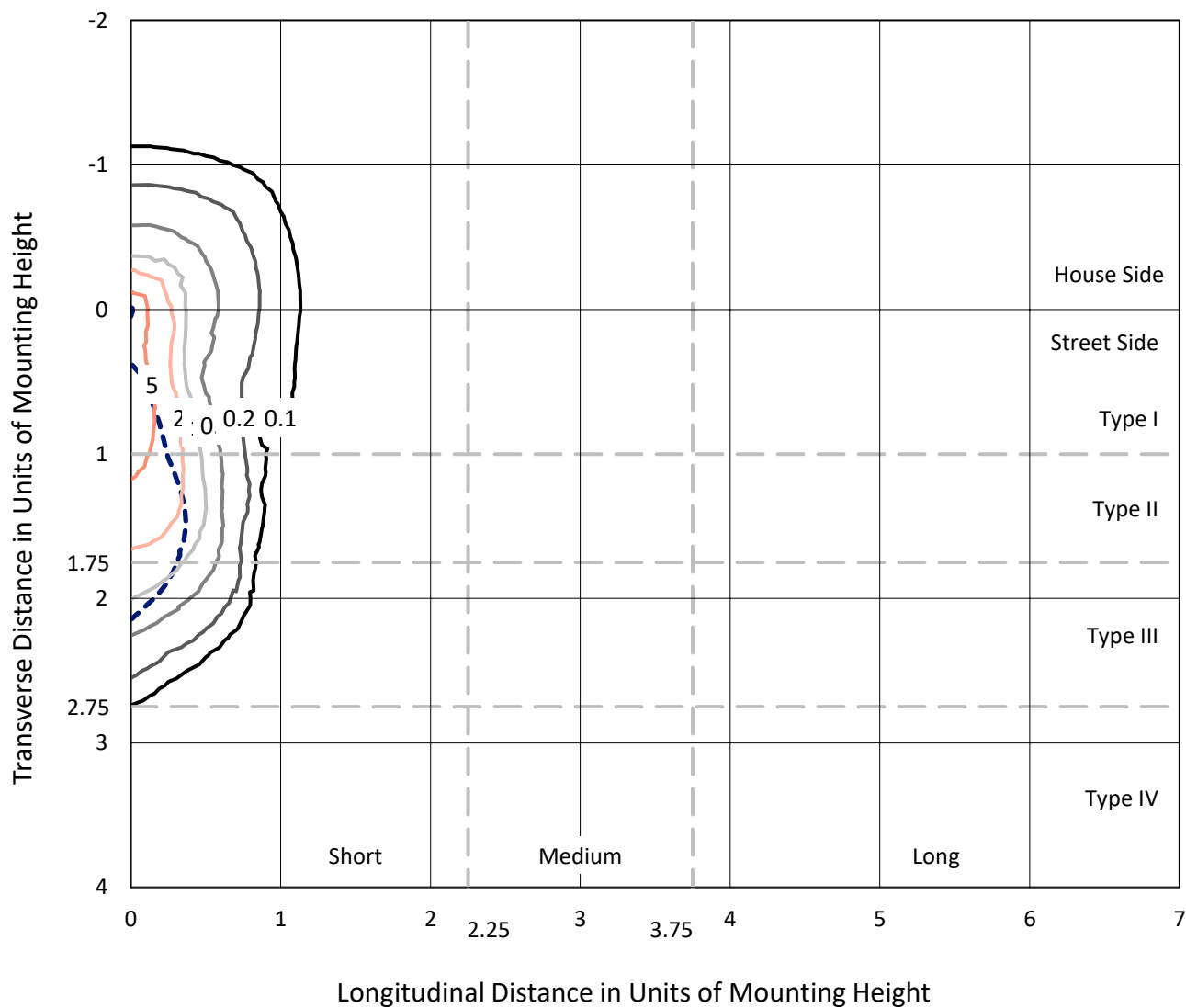
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



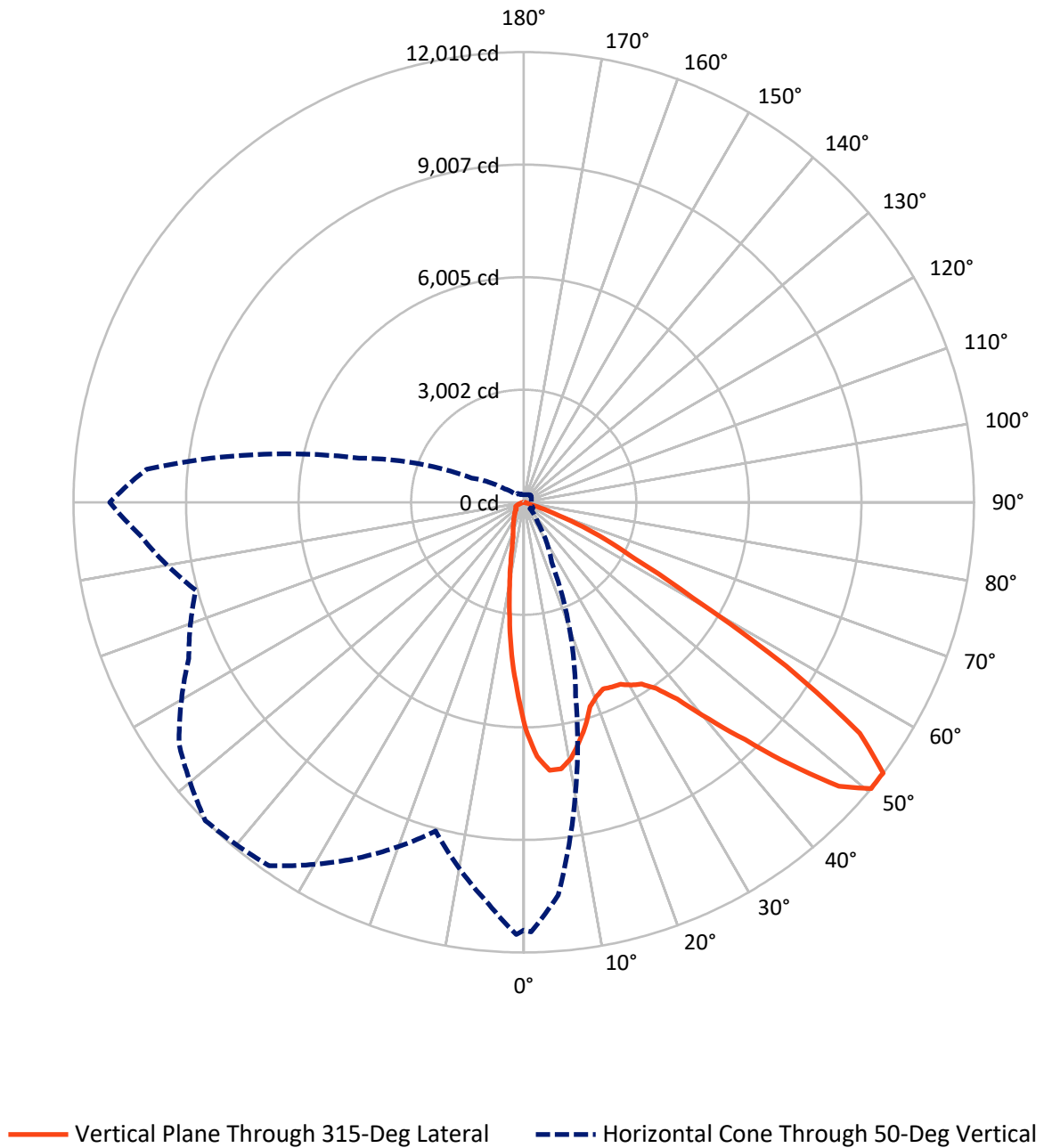
Based on 25 foot mounting height. Maximum calculated value = 9.7 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2386.2	0.0	2386.2
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	9526.8	0.0	9526.8
	% Fixture	80.0	0.0	80.0
Total	Lumens	11913.0	0.0	11913.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.4	3.7
10°-20°	875.2	7.3
20°-30°	1314.8	11.0
30°-40°	1973.5	16.6
40°-50°	2773.6	23.3
50°-60°	2991.8	25.1
60°-70°	1389.1	11.7
70°-80°	130.7	1.1
80°-90°	24.1	0.2
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°	11913.0	100.0
0°-180°	11913.0	100.0

Coefficient of Utilization



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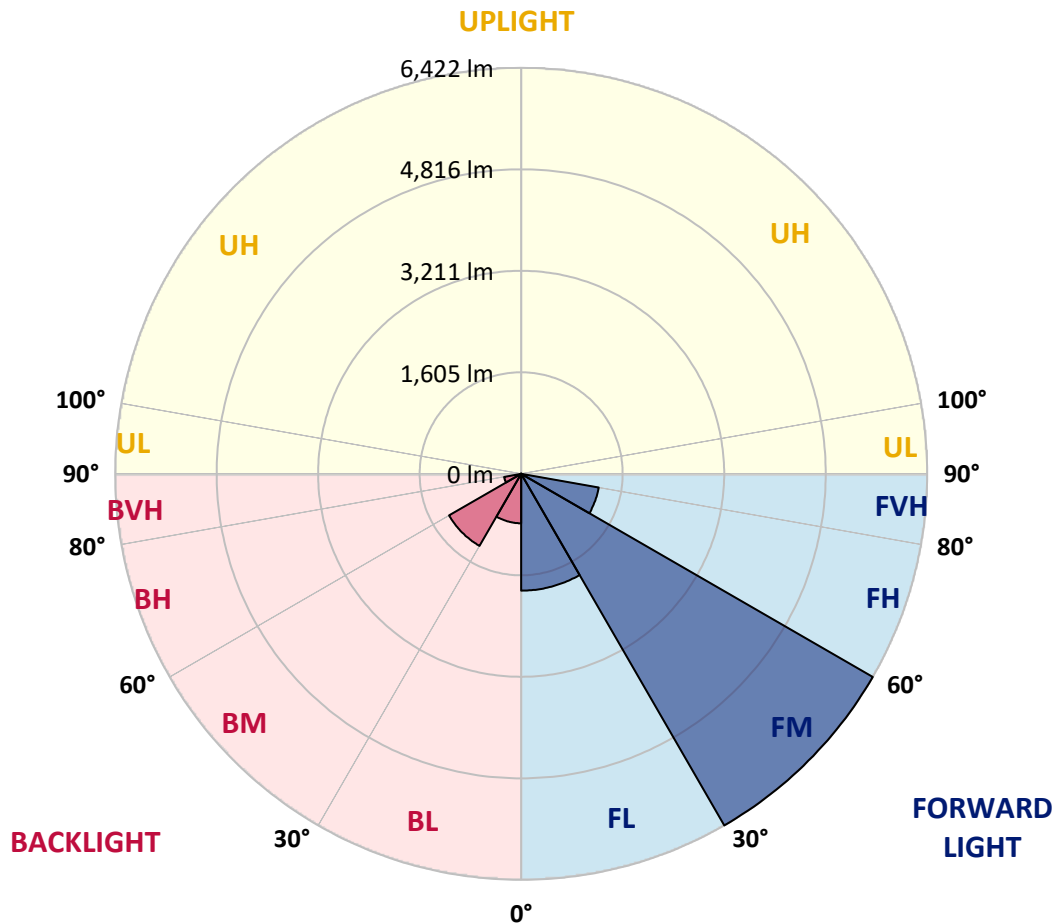
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1848.2	15.5			
FM	(30°-60°)	6422.0	53.9			
FH	(60°-80°)	1245.8	10.5			G1/1800
FVH	(80°-90°)	10.9	0.1			G1/100
BL	(0°-30°)	782.1	6.6	B2/1000		
BM	(30°-60°)	1316.8	11.1	B2/2500		
BH	(60°-80°)	274.0	2.3	B1/500		G1/500
BVH	(80°-90°)	13.2	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4
2.5°	6280.1	6183.2	6060.3	5958.7	5807.4	5502.5	5419.8	5320.5	5237.8	5126.7	4970.7
5°	5710.5	5679.8	5623.0	5240.1	4963.6	4594.9	4292.3	4164.7	3996.9	3859.8	3760.5
7.5°	5275.6	5152.7	4973.0	4587.8	4145.8	3751.1	3415.4	3219.2	2997.1	2921.4	2786.7
10°	4810.0	4838.3	4573.6	4032.3	3498.1	3179.1	2971.1	2782.0	2581.1	2448.7	2257.2
12.5°	4661.0	4568.9	4365.6	3696.7	3240.5	2942.7	2689.8	2455.8	2243.1	2030.3	1846.0
15°	4758.0	4616.1	4332.5	3625.8	3042.0	2670.9	2354.2	2037.4	1841.3	1569.4	1378.0
17.5°	5105.4	4991.9	4611.4	3701.4	2940.3	2410.9	1940.5	1614.3	1314.2	1068.4	971.4
20°	5684.5	5523.8	5046.3	3798.3	2789.1	2096.5	1574.2	1172.4	888.7	784.7	730.4
22.5°	6251.8	6164.3	5561.6	3985.1	2654.3	1817.6	1181.8	789.4	664.2	645.3	609.8
25°	7331.9	7069.6	6348.7	4323.0	2550.3	1555.3	891.1	635.8	562.5	548.4	553.1
27.5°	7974.8	7755.0	7076.7	4547.6	2434.5	1354.3	754.0	583.8	534.2	503.4	491.6
30°	8591.7	8336.5	7438.3	4680.0	2186.3	1141.6	668.9	560.2	548.4	503.4	489.3
32.5°	9066.8	8816.3	7960.6	4878.5	2084.7	1004.5	550.7	437.3	406.5	401.8	444.4
35°	9794.8	9527.7	8407.4	4987.2	2006.7	933.6	477.4	390.0	354.5	340.4	342.7
37.5°	10473.2	10291.2	8821.0	5029.8	1924.0	912.4	427.8	349.8	319.1	309.6	307.3
40°	11040.4	10633.9	9213.4	5074.7	1888.5	872.2	397.1	319.1	297.8	283.6	283.6
42.5°	11300.4	10886.8	9653.0	5048.7	1879.1	808.4	397.1	293.1	276.5	262.4	260.0
45°	11243.7	11075.9	9849.2	5036.9	1879.1	744.5	361.6	286.0	262.4	243.5	238.7
47.5°	11390.2	11170.4	10095.0	5086.5	1841.3	699.6	304.9	300.2	248.2	224.5	219.8
50°	11416.2	11458.8	10522.8	5344.1	1758.5	642.9	238.7	295.5	238.7	203.3	198.5
52°	11586.4	11321.7	10652.8	5481.2	1671.1	600.4	200.9	252.9	229.3	189.1	184.4
52.5°	11352.4	11525.0	10683.5	5530.9	1680.5	572.0	193.8	248.2	224.5	189.1	177.3
55°	11090.1	11255.5	10558.3	5637.2	1541.1	449.1	151.3	179.6	203.3	165.5	158.4
57.5°	9638.8	9806.6	9175.5	5162.1	1255.1	316.7	125.3	134.7	179.6	153.6	146.5
60°	8568.1	8447.5	7700.6	4306.5	891.1	177.3	99.3	104.0	196.2	141.8	139.5
62.5°	7830.6	7573.0	6436.1	3325.6	543.6	118.2	78.0	80.4	151.3	132.4	132.4
65°	5793.2	5504.9	4275.8	2011.4	267.1	82.7	59.1	63.8	94.5	113.5	113.5
67.5°	3306.7	3195.6	2065.8	907.6	111.1	52.0	44.9	49.6	73.3	92.2	87.5
70°	1519.8	1363.8	794.2	191.5	52.0	35.5	35.5	40.2	59.1	68.5	63.8
72.5°	444.4	420.7	193.8	30.7	21.3	21.3	23.6	30.7	44.9	52.0	47.3
75°	33.1	21.3	14.2	9.5	9.5	14.2	18.9	30.7	44.9	49.6	40.2
77.5°	2.4	4.7	2.4	2.4	7.1	14.2	21.3	37.8	59.1	61.5	44.9
80°	2.4	2.4	0.0	2.4	7.1	14.2	23.6	42.5	66.2	70.9	37.8
82.5°	0.0	0.0	0.0	2.4	9.5	18.9	28.4	44.9	61.5	75.6	40.2
85°	0.0	0.0	0.0	2.4	14.2	26.0	33.1	11.8	7.1	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°	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4
2.5°	5081.8	5020.3	4996.7	5017.9	5010.9	5003.8	5133.8	5105.4	5100.7	5143.2	5133.8
5°	3814.9	3706.1	4004.0	3883.4	4008.7	4084.3	4098.5	4105.6	4193.0	4100.9	4221.4
7.5°	2718.2	2746.5	2744.2	2824.5	2968.7	3096.3	3172.0	3112.9	3108.1	3096.3	3044.3
10°	2172.2	2122.5	2113.1	2094.2	2139.1	2247.8	2340.0	2266.7	2214.7	2285.6	2264.3
12.5°	1775.1	1706.5	1668.7	1593.1	1595.4	1668.7	1668.7	1668.7	1720.7	1760.9	1791.6
15°	1361.4	1304.7	1304.7	1229.1	1212.5	1214.9	1252.7	1257.4	1340.2	1363.8	1375.6
17.5°	952.5	921.8	957.3	988.0	969.1	973.8	988.0	992.7	1004.5	995.1	1018.7
20°	732.7	728.0	737.4	791.8	832.0	855.6	839.1	815.4	801.3	768.2	768.2
22.5°	621.6	631.1	647.6	692.5	744.5	758.7	739.8	685.4	642.9	638.2	640.5
25°	553.1	562.5	588.5	616.9	645.3	668.9	650.0	609.8	586.2	564.9	564.9
27.5°	510.5	515.3	529.4	550.7	574.4	593.3	586.2	564.9	538.9	529.4	508.2
30°	477.4	484.5	501.1	505.8	527.1	536.5	524.7	520.0	503.4	491.6	484.5
32.5°	460.9	458.5	470.4	475.1	477.4	484.5	470.4	477.4	475.1	456.2	449.1
35°	347.5	366.4	397.1	423.1	430.2	439.6	437.3	427.8	401.8	380.5	354.5
37.5°	312.0	323.8	340.4	361.6	390.0	401.8	397.1	373.5	342.7	328.5	323.8
40°	288.4	295.5	309.6	323.8	352.2	373.5	356.9	335.6	312.0	300.2	293.1
42.5°	267.1	269.5	276.5	290.7	312.0	345.1	316.7	288.4	278.9	271.8	267.1
45°	243.5	243.5	252.9	260.0	283.6	314.4	286.0	260.0	255.3	250.5	248.2
47.5°	224.5	226.9	231.6	241.1	260.0	281.3	262.4	241.1	229.3	226.9	222.2
50°	200.9	203.3	212.7	222.2	245.8	257.6	245.8	222.2	210.4	203.3	203.3
52°	182.0	189.1	198.5	217.5	234.0	252.9	238.7	212.7	198.5	191.5	186.7
52.5°	179.6	184.4	193.8	215.1	234.0	250.5	236.4	210.4	193.8	189.1	184.4
55°	160.7	167.8	184.4	210.4	231.6	250.5	231.6	208.0	184.4	172.5	167.8
57.5°	153.6	158.4	179.6	212.7	229.3	250.5	231.6	208.0	184.4	163.1	158.4
60°	146.5	156.0	179.6	205.6	226.9	252.9	234.0	205.6	179.6	153.6	153.6
62.5°	139.5	146.5	177.3	200.9	217.5	243.5	224.5	200.9	172.5	146.5	144.2
65°	120.5	132.4	156.0	167.8	186.7	210.4	191.5	174.9	151.3	130.0	127.6
67.5°	92.2	96.9	115.8	130.0	141.8	163.1	153.6	132.4	115.8	99.3	99.3
70°	63.8	68.5	82.7	89.8	101.6	113.5	106.4	89.8	78.0	68.5	66.2
72.5°	44.9	47.3	52.0	56.7	61.5	66.2	63.8	52.0	44.9	42.5	40.2
75°	35.5	40.2	42.5	40.2	37.8	35.5	35.5	30.7	26.0	23.6	23.6
77.5°	35.5	37.8	35.5	30.7	26.0	23.6	21.3	18.9	14.2	11.8	14.2
80°	30.7	30.7	30.7	26.0	23.6	21.3	18.9	16.5	14.2	11.8	11.8
82.5°	33.1	33.1	30.7	26.0	26.0	21.3	21.3	18.9	16.5	11.8	11.8
85°	0.0	0.0	0.0	4.7	11.8	21.3	21.3	18.9	16.5	14.2	14.2
87.5°	0.0	0.0	0.0	0.0	2.4	4.7	9.5	11.8	14.2	14.2	14.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4
2.5°	5218.9	5308.7	5478.9	5649.0	5753.0	5875.9	6098.1	6216.3	6369.9	6445.6	6594.5
5°	4204.9	4417.6	4493.2	4687.0	4895.0	5103.0	5433.9	5797.9	6100.5	6308.5	6577.9
7.5°	3068.0	3117.6	3410.7	3540.7	3881.1	4259.2	4710.7	5169.2	5552.1	5892.5	6098.1
10°	2299.8	2481.8	2666.2	2914.3	3188.5	3578.5	4011.0	4516.9	5013.2	5353.6	5613.6
12.5°	1848.3	1992.5	2238.3	2505.4	2843.4	3101.1	3536.0	4037.0	4680.0	5013.2	5355.9
15°	1399.3	1583.6	1862.5	2139.1	2496.0	2767.8	3207.4	3838.5	4665.8	5124.3	5419.8
17.5°	1037.6	1162.9	1413.4	1723.1	2087.1	2470.0	3063.2	3817.2	4824.1	5370.1	5675.0
20°	794.2	836.7	995.1	1271.6	1666.3	2167.4	2829.2	3909.4	5292.1	5968.1	6277.8
22.5°	642.9	661.8	723.3	914.7	1297.6	1902.7	2718.2	3973.2	5819.2	6684.3	7097.9
25°	560.2	555.4	595.6	678.4	1014.0	1654.5	2576.3	4214.3	6464.5	7525.7	7896.8
27.5°	510.5	510.5	529.4	588.5	841.4	1493.8	2486.5	4386.9	7114.5	8265.6	8466.5
30°	484.5	489.3	543.6	562.5	699.6	1302.4	2337.6	4561.8	7736.1	8738.3	9014.8
32.5°	449.1	430.2	418.4	465.6	588.5	1129.8	2188.7	4635.0	8239.6	9317.4	9553.7
35°	345.1	335.6	349.8	385.3	505.8	983.3	2023.3	4717.8	8818.6	9988.6	10035.9
37.5°	312.0	309.6	319.1	349.8	425.5	855.6	1905.1	4696.5	9260.6	10544.1	10416.4
40°	288.4	288.4	295.5	321.5	380.5	765.8	1782.2	4677.6	9688.4	11168.1	10794.6
42.5°	269.5	269.5	281.3	297.8	361.6	706.7	1690.0	4651.6	10047.7	11551.0	11016.8
45°	243.5	250.5	269.5	286.0	366.4	666.5	1621.4	4552.3	10170.6	11546.2	10910.4
47.5°	224.5	234.0	252.9	276.5	330.9	654.7	1574.2	4464.9	10128.1	11262.6	10577.2
50°	203.3	215.1	241.1	281.3	281.3	631.1	1524.5	4542.9	10097.4	11042.8	10258.1
52°	189.1	198.5	231.6	274.2	245.8	581.4	1493.8	4694.1	10222.6	11014.4	10116.3
52.5°	186.7	193.8	224.5	269.5	234.0	572.0	1472.5	4729.6	10262.8	10943.5	10213.2
55°	165.5	174.9	205.6	210.4	191.5	470.4	1404.0	4810.0	10064.3	10804.1	10121.0
57.5°	156.0	160.7	182.0	172.5	165.5	354.5	1207.8	4684.7	8939.2	9596.3	9416.6
60°	144.2	148.9	170.2	134.7	139.5	248.2	907.6	4067.8	7178.3	7996.1	8319.9
62.5°	139.5	137.1	160.7	108.7	118.2	179.6	640.5	3306.7	5530.9	6582.7	7142.8
65°	122.9	120.5	115.8	92.2	101.6	139.5	382.9	2158.0	3897.6	4980.1	5287.4
67.5°	94.5	99.3	85.1	73.3	85.1	108.7	212.7	966.7	2044.5	2987.6	3235.8
70°	66.2	70.9	68.5	63.8	75.6	89.8	122.9	330.9	846.2	1569.4	1730.2
72.5°	40.2	49.6	52.0	54.4	66.2	78.0	87.5	106.4	224.5	555.4	690.2
75°	23.6	33.1	40.2	47.3	54.4	66.2	73.3	75.6	78.0	104.0	167.8
77.5°	16.5	23.6	35.5	44.9	54.4	66.2	78.0	82.7	78.0	73.3	78.0
80°	14.2	23.6	33.1	42.5	56.7	68.5	78.0	78.0	75.6	66.2	70.9
82.5°	14.2	23.6	35.5	44.9	54.4	66.2	75.6	78.0	70.9	66.2	68.5
85°	16.5	26.0	37.8	47.3	59.1	54.4	49.6	40.2	37.8	30.7	33.1
87.5°	16.5	23.6	23.6	26.0	28.4	28.4	28.4	26.0	21.3	18.9	18.9
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°	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4	6041.4
2.5°	6601.6	6790.7	6783.6	6788.3	6759.9	6568.5	6476.3	6242.3	6308.5	6280.1
5°	6854.5	7041.2	7201.9	7183.0	6965.6	6705.6	6320.3	5956.3	5857.0	5710.5
7.5°	6601.6	7050.7	7199.6	7178.3	6856.8	6523.6	5909.0	5545.0	5372.5	5275.6
10°	6199.8	6719.7	6904.1	6941.9	6724.5	6218.7	5653.8	5069.9	4977.8	4810.0
12.5°	5970.5	6348.7	6462.1	6563.8	6488.1	6109.9	5459.9	4899.8	4772.1	4661.0
15°	5783.8	6008.3	6055.6	6171.4	6216.3	6013.0	5561.6	5084.1	4769.8	4758.0
17.5°	5956.3	5864.1	5691.6	5727.0	5868.8	6015.4	5823.9	5448.1	5143.2	5105.4
20°	6242.3	5835.8	5445.8	5533.2	5651.4	6100.5	6221.0	5956.3	5781.4	5684.5
22.5°	6570.8	5885.4	5367.8	5410.3	5634.9	6291.9	6863.9	6717.4	6391.2	6251.8
25°	7178.3	6022.5	5429.2	5457.6	5764.9	6559.0	7445.4	7554.1	7360.3	7331.9
27.5°	7771.6	6377.0	5563.9	5500.1	5831.0	6819.0	7797.6	8381.4	8041.0	7974.8
30°	8074.1	6665.4	5764.9	5656.1	6105.2	6977.4	8010.3	8920.3	8622.5	8591.7
32.5°	8537.4	6927.7	5920.8	5781.4	6258.8	7173.6	8407.4	9508.8	9220.5	9066.8
35°	8731.2	7213.7	6263.6	6100.5	6698.5	7447.7	8610.6	10033.5	9943.7	9794.8
37.5°	9104.6	7521.0	6667.7	6658.3	7230.3	7804.6	8977.0	10747.3	10730.8	10473.2
40°	9135.4	7856.6	7305.9	7603.7	8052.8	8426.3	9298.5	10945.9	11215.3	11040.4
42.5°	9182.6	8445.2	8409.7	8655.5	9040.8	8960.5	9310.3	10993.2	11404.4	11300.4
45°	9203.9	9033.7	9532.4	9986.3	10147.0	9660.1	9199.2	10903.3	11503.7	11243.7
47.5°	9033.7	9539.5	10440.1	11317.0	11364.2	10090.3	9151.9	10811.2	11562.8	11390.2
50°	9057.4	9856.3	11224.8	12009.5	11837.0	10470.8	9078.6	10754.4	11532.1	11416.2
52°	9000.6	9863.4	11335.9	11995.3	11874.8	10260.4	8953.4	10537.0	11503.7	11586.4
52.5°	9064.5	9820.8	11220.1	12004.8	11848.8	10364.4	8936.8	10657.5	11520.2	11352.4
55°	8844.6	9315.0	10541.7	10875.0	10851.3	9407.2	8428.6	10258.1	11087.7	11090.1
57.5°	7993.7	8074.1	8267.9	8260.8	8152.1	7395.7	7209.0	9433.2	9884.6	9638.8
60°	7043.6	5911.4	5389.0	5176.3	5055.8	4932.9	6377.0	8629.5	8672.1	8568.1
62.5°	6086.3	4098.5	3403.6	3344.5	3372.9	3822.0	6164.3	8310.5	8055.2	7830.6
65°	4911.6	2987.6	2472.3	2394.3	2670.9	3155.4	4989.6	6372.3	5979.9	5793.2
67.5°	3084.5	2179.3	1671.1	1524.5	1857.8	2172.2	3278.3	4004.0	3564.3	3306.7
70°	1829.4	1217.3	756.4	678.4	763.4	1158.2	1836.5	1997.3	1652.2	1519.8
72.5°	720.9	446.7	210.4	179.6	186.7	406.5	676.0	659.4	498.7	444.4
75°	193.8	134.7	73.3	59.1	49.6	75.6	108.7	70.9	26.0	33.1
77.5°	89.8	80.4	63.8	49.6	37.8	28.4	14.2	4.7	4.7	2.4
80°	78.0	68.5	59.1	49.6	37.8	23.6	11.8	2.4	2.4	2.4
82.5°	73.3	63.8	54.4	44.9	35.5	23.6	11.8	2.4	0.0	0.0
85°	30.7	40.2	44.9	42.5	37.8	23.6	11.8	2.4	0.0	0.0
87.5°	16.5	14.2	11.8	9.5	7.1	4.7	4.7	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)