

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: P531147

Luminaire Tested: **GALN-SA6B-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-830-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14823 lumens
Efficiency: N/A
Efficacy: 61.0 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): 243
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

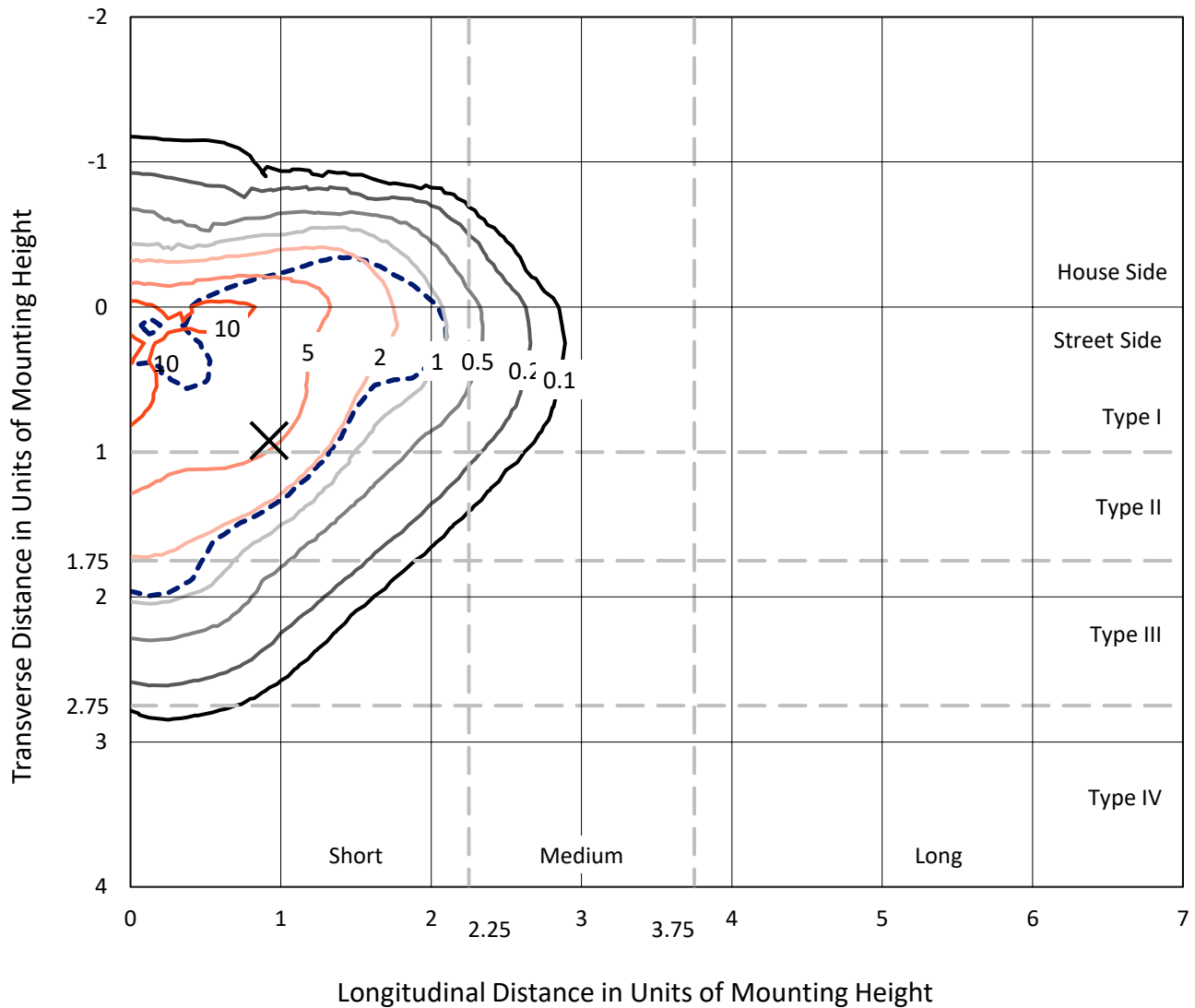


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Iso-Footcandle Lines of Horizontal Illumination

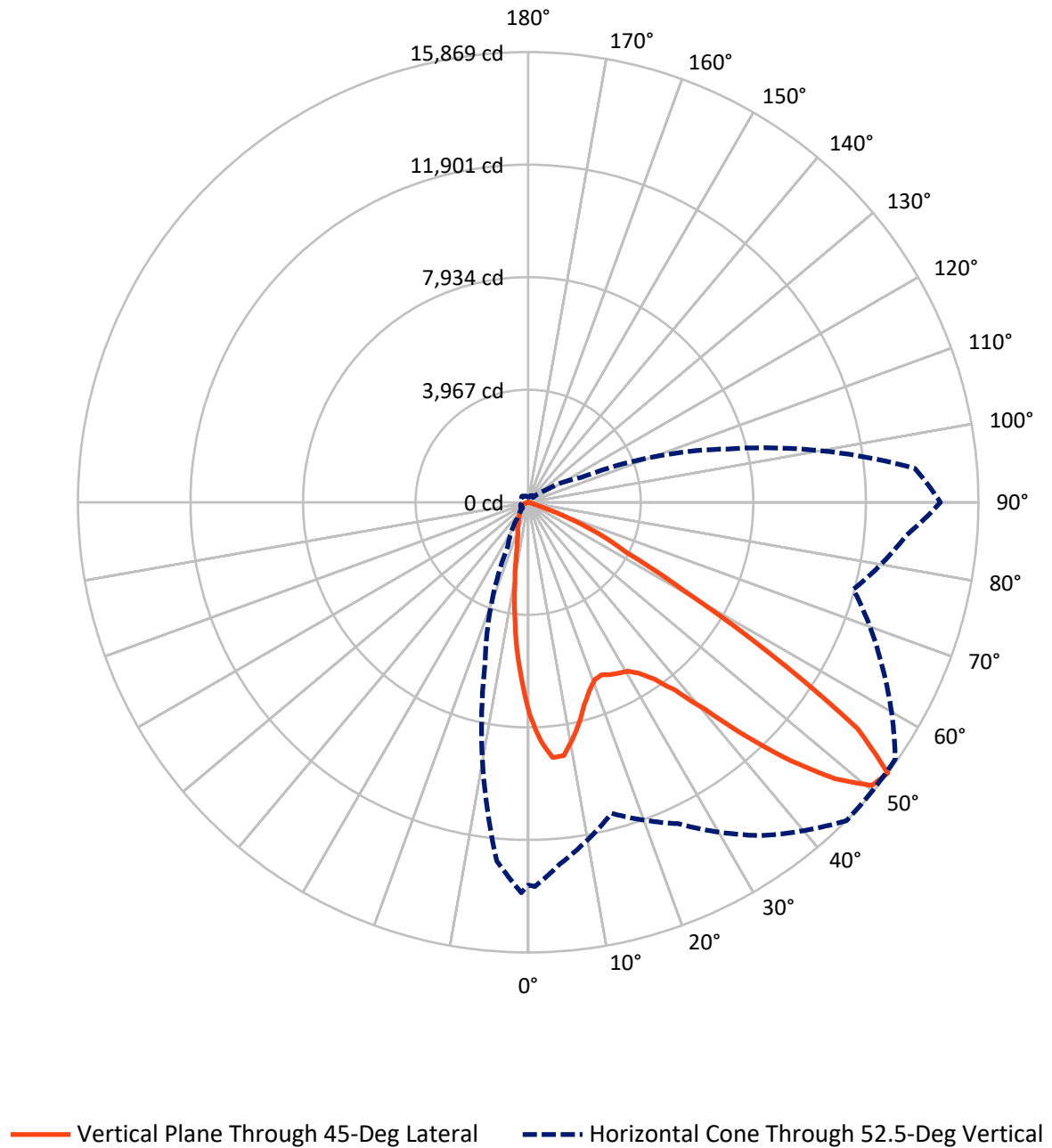
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	3008.3	0.0	3008.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	11814.7	0.0	11814.7
	% Fixture	79.7	0.0	79.7
Total	Lumens	14823.0	0.0	14823.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.1	3.7
10°-20°	1081.4	7.3
20°-30°	1645.8	11.1
30°-40°	2459.8	16.6
40°-50°	3503.0	23.6
50°-60°	3765.6	25.4
60°-70°	1668.6	11.3
70°-80°	135.0	0.9
80°-90°	15.7	0.1
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°	14823.0	100.0
0°-180°	14823.0	100.0

Coefficient of Utilization



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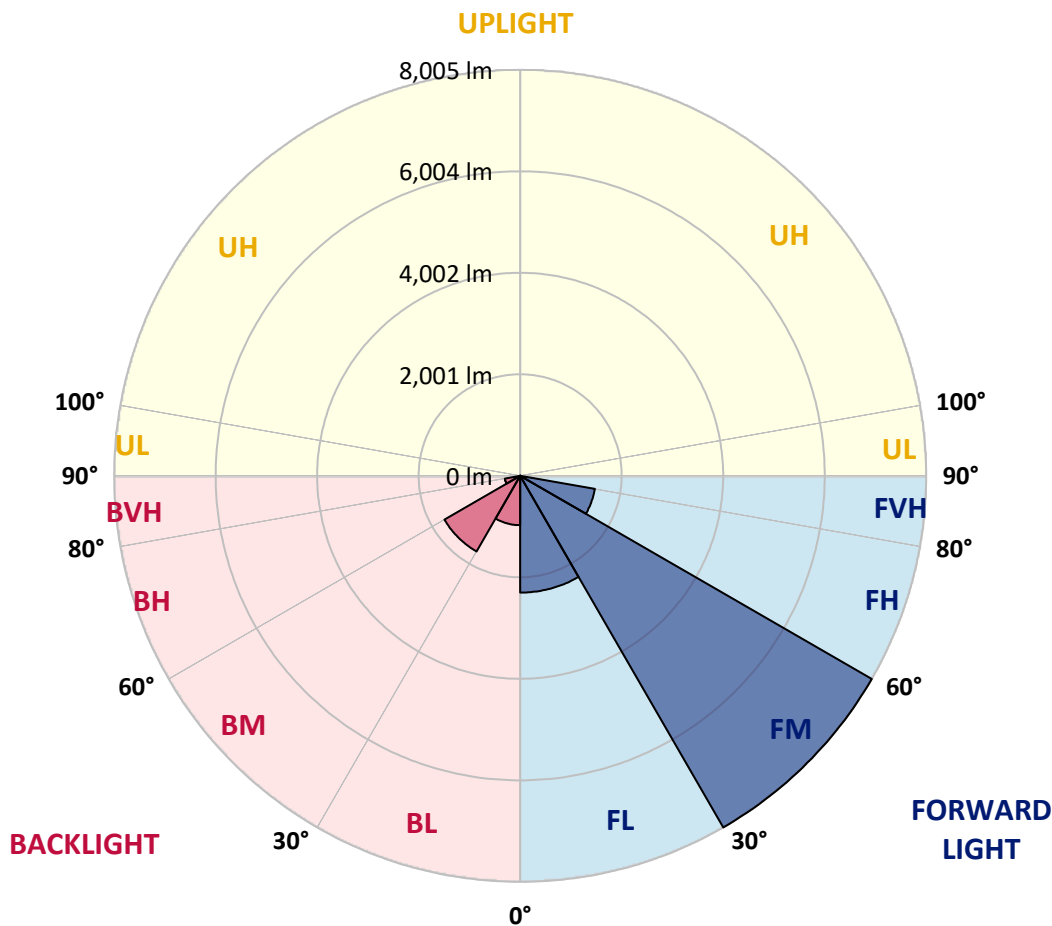
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2302.3	15.5			
FM	(30°-60°)	8004.9	54.0			
FH	(60°-80°)	1495.8	10.1			G1/1800
FVH	(80°-90°)	11.7	0.1			G1/100
BL	(0°-30°)	973.0	6.6	B2/1000		
BM	(30°-60°)	1723.4	11.6	B2/2500		
BH	(60°-80°)	307.8	2.1	B1/500		G1/500
BVH	(80°-90°)	4.1	0.0			G0/10
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°	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0
2.5°	7953.3	7976.6	8104.9	8265.2	8349.8	8542.2	8408.1	8443.1	8370.2	8113.6	7912.4
5°	7711.3	7708.4	7871.6	8268.1	8644.2	9026.1	9037.8	8833.7	8475.1	8081.5	7518.9
7.5°	6982.4	7096.1	7265.2	7897.9	8594.7	8880.4	9017.4	8778.3	8227.3	7664.6	7055.3
10°	6431.4	6489.7	6775.4	7539.3	8049.5	8431.4	8515.9	8378.9	7956.2	7253.6	6571.4
12.5°	6113.6	6142.8	6478.1	7119.5	7658.8	7941.6	7982.4	8046.6	7743.4	7084.5	6265.2
15°	6116.5	6139.9	6591.8	7128.2	7341.0	7265.2	7399.3	7396.4	7527.6	7052.4	6521.8
17.5°	6556.8	6583.0	6991.2	7256.5	7163.2	6985.3	6976.6	7110.7	7387.7	7451.8	6909.5
20°	7314.8	7376.0	7676.3	7661.7	7136.9	6778.3	6679.2	6781.3	7425.6	7790.0	7690.9
22.5°	8335.2	8419.7	8629.6	8227.3	7256.5	6638.4	6606.3	6804.6	7676.3	8545.1	8577.2
25°	9518.8	9661.7	9763.7	9247.7	7682.1	6880.4	6728.8	7069.9	8014.5	9364.3	9705.4
27.5°	10303.1	10451.8	10428.5	9690.9	7967.8	6944.5	6816.2	7134.0	8308.9	9559.7	10294.3
30°	10915.3	11005.7	11169.0	9929.9	8253.6	7125.3	6906.6	7405.2	8405.2	9897.8	11005.7
32.5°	11629.6	11690.8	11702.5	10352.7	8693.8	7352.7	7186.5	7743.4	8830.8	10221.5	11635.4
35°	12349.7	12440.1	12250.6	10874.5	8964.9	7775.4	7653.0	8329.4	9171.9	10556.7	12329.3
37.5°	13131.0	13177.7	12740.4	11090.3	9352.7	8463.5	8396.4	8962.0	9763.7	11163.1	13099.0
40°	13787.0	13830.7	13262.2	11355.6	9760.8	9425.5	9597.6	10169.0	10568.4	11556.7	13483.8
42.5°	14151.4	14253.5	13437.2	11209.8	10580.1	10515.9	11279.8	11480.9	11501.3	11667.5	13827.8
45°	14250.6	14203.9	13148.5	11329.3	11297.2	12308.9	13002.8	13268.1	12428.4	11871.6	13915.3
47.5°	13792.8	13854.1	12722.9	11224.4	12238.9	13667.5	14565.4	15058.1	13119.4	11693.7	13699.6
50°	13422.6	13343.9	12585.9	11148.6	12492.6	14308.9	15693.7	15804.5	13754.9	11912.4	13463.4
52.5°	13495.5	13545.0	12804.5	11349.7	12498.4	14346.8	15868.6	15792.8	13775.4	11862.8	13378.9
55°	13650.0	13431.3	12711.2	10906.6	11661.7	13288.5	14084.4	13967.8	12714.1	11335.1	13171.9
57.5°	11778.3	12116.5	11687.9	9737.5	9571.3	10011.5	9997.0	10355.6	9483.9	9755.0	11991.1
60°	9559.7	9618.0	9778.3	8329.4	6623.8	6472.2	6262.3	6034.9	6381.9	8341.0	10906.6
62.5°	8408.1	8338.1	8909.5	7577.2	4676.3	3915.4	3880.4	4020.4	4924.1	7956.2	10230.2
65°	6110.7	6198.2	6612.2	5880.4	3510.2	2988.3	2935.8	3349.8	3985.4	6376.0	7807.5
67.5°	3731.7	3900.8	3938.7	3626.8	2381.9	1892.1	1816.3	2192.4	2877.5	4125.3	4577.2
70°	1723.0	1927.1	2119.5	1979.6	1379.0	778.4	734.7	921.3	1451.9	2373.2	2428.5
72.5°	521.9	524.8	734.7	766.8	446.1	174.9	154.5	204.1	492.7	784.2	825.1
75°	37.9	40.8	99.1	113.7	84.5	43.7	46.6	55.4	105.0	174.9	131.2
77.5°	2.9	2.9	2.9	14.6	26.2	29.2	37.9	43.7	55.4	64.1	58.3
80°	2.9	0.0	2.9	11.7	20.4	29.2	35.0	40.8	43.7	49.6	43.7
82.5°	0.0	0.0	0.0	8.7	20.4	29.2	32.1	43.7	49.6	58.3	49.6
85°	0.0	0.0	0.0	8.7	20.4	32.1	29.2	14.6	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°	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0
2.5°	7947.4	7833.7	7574.3	7443.1	7134.0	7090.3	6787.1	6737.5	6635.5	6580.1	6446.0
5°	7271.1	7134.0	6711.3	6355.6	5941.6	5653.0	5431.4	5230.3	5113.6	5005.8	5055.3
7.5°	6720.0	6320.6	5851.2	5256.5	4778.4	4469.3	4131.1	3854.2	3690.9	3580.1	3606.4
10°	6142.8	5883.3	5230.3	4562.6	3985.4	3766.7	3501.4	3288.6	3058.3	2860.0	2766.7
12.5°	5962.0	5577.2	4758.0	4078.7	3641.4	3428.5	3125.3	2880.4	2586.0	2344.0	2259.4
15°	5994.1	5623.8	4629.7	3903.7	3387.7	3020.4	2658.9	2355.7	2032.0	1863.0	1775.5
17.5°	6516.0	5874.6	4714.2	3720.1	3035.0	2524.8	2078.7	1693.9	1451.9	1277.0	1239.1
20°	7157.4	6416.8	4895.0	3586.0	2746.3	2008.7	1518.9	1186.6	985.4	956.3	947.5
22.5°	8096.1	7303.1	5282.7	3495.6	2393.6	1565.6	1040.8	863.0	807.6	801.7	804.7
25°	9408.1	8413.9	5705.5	3419.8	2128.3	1207.0	851.3	731.8	714.3	705.5	720.1
27.5°	9976.6	9084.4	5930.0	3256.5	1886.3	1087.5	839.6	725.9	676.4	661.8	670.5
30°	10679.2	9530.5	6282.7	2976.6	1530.6	895.0	784.2	790.1	766.8	693.9	670.5
32.5°	11612.1	10087.3	6460.6	2778.4	1367.3	740.5	574.3	527.7	588.9	600.6	621.0
35°	12209.8	10652.9	6550.9	2661.8	1282.8	632.6	486.9	443.1	428.6	431.5	443.1
37.5°	13320.5	11416.8	6664.6	2539.3	1218.6	551.0	440.2	399.4	379.0	379.0	390.7
40°	13985.3	12023.2	6819.2	2472.3	1154.5	501.5	399.4	364.4	346.9	346.9	352.8
42.5°	14151.4	12323.5	6766.7	2449.0	1081.6	489.8	364.4	338.2	317.8	314.9	311.9
45°	14448.8	12781.2	6775.4	2422.7	1005.8	446.1	344.0	314.9	285.7	282.8	279.9
47.5°	14775.3	13110.6	6792.9	2320.7	932.9	373.2	358.6	291.5	256.6	250.7	250.7
50°	14495.5	13373.0	6944.5	2218.6	839.6	303.2	352.8	274.0	227.4	218.7	221.6
52.5°	14530.4	13682.1	7265.2	2075.8	723.0	242.0	285.7	259.5	207.0	192.4	195.3
55°	13970.7	13355.5	7309.0	1924.2	565.6	186.6	218.7	227.4	174.9	169.1	169.1
57.5°	12026.1	11308.9	6448.9	1559.7	373.2	154.5	157.4	198.2	151.6	145.8	148.7
60°	10291.4	9078.6	5189.4	1029.1	233.2	122.4	113.7	201.2	134.1	131.2	139.9
62.5°	9381.8	7460.6	3935.8	638.5	160.3	93.3	78.7	163.3	116.6	116.6	128.3
65°	6778.3	5011.6	2288.6	335.3	113.7	72.9	58.3	93.3	96.2	99.1	105.0
67.5°	4198.2	2530.6	965.0	163.3	75.8	49.6	37.9	58.3	64.1	64.1	70.0
70°	2072.9	1008.7	320.7	93.3	58.3	40.8	26.2	32.1	32.1	29.2	32.1
72.5°	641.4	303.2	81.6	58.3	40.8	26.2	14.6	11.7	5.8	0.0	2.9
75°	72.9	58.3	52.5	40.8	26.2	11.7	2.9	0.0	0.0	0.0	0.0
77.5°	43.7	49.6	49.6	40.8	26.2	8.7	0.0	0.0	0.0	0.0	0.0
80°	35.0	37.9	40.8	37.9	23.3	11.7	0.0	0.0	0.0	0.0	0.0
82.5°	43.7	49.6	55.4	49.6	32.1	14.6	5.8	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	8.7	2.9	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°	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0
2.5°	6390.6	6326.5	6416.8	6282.7	6279.8	6282.7	6244.8	6209.8	6265.2	6413.9	6428.5
5°	4877.5	5014.5	5058.3	5201.1	5122.4	5005.8	5029.1	4950.4	5142.8	5227.3	5160.3
7.5°	3551.0	3542.2	3836.7	3854.2	3892.1	3895.0	3889.2	3734.7	3577.2	3612.2	3717.2
10°	2755.1	2606.4	2749.2	2734.7	2828.0	2801.7	2839.6	2673.4	2728.8	2728.8	2795.9
12.5°	2244.9	2087.4	2061.2	2023.3	2061.2	2075.8	2090.4	2058.3	2151.6	2195.3	2242.0
15°	1714.3	1626.8	1603.5	1530.6	1542.3	1583.1	1618.1	1632.6	1603.5	1670.5	1676.4
17.5°	1244.9	1242.0	1256.5	1253.6	1242.0	1233.2	1230.3	1192.4	1180.7	1186.6	1209.9
20°	944.6	967.9	1017.5	1067.0	1093.3	1061.2	1017.5	953.3	927.1	932.9	935.8
22.5°	807.6	842.6	909.6	965.0	991.2	932.9	854.2	798.8	787.2	784.2	781.3
25°	731.8	772.6	822.1	839.6	836.7	801.7	743.4	720.1	714.3	708.4	682.2
27.5°	691.0	705.5	714.3	734.7	743.4	720.1	705.5	670.5	664.7	664.7	647.2
30°	667.6	658.9	670.5	656.0	667.6	650.1	653.1	653.1	638.5	644.3	644.3
32.5°	621.0	623.9	623.9	594.7	603.5	583.1	603.5	621.0	623.9	626.8	650.1
35°	454.8	507.3	533.5	533.5	542.3	527.7	524.8	504.4	478.1	451.9	440.2
37.5°	399.4	419.8	454.8	475.2	489.8	478.1	451.9	419.8	405.2	393.6	381.9
40°	355.7	373.2	396.5	419.8	449.0	434.4	393.6	379.0	361.5	361.5	349.9
42.5°	320.7	329.4	344.0	379.0	411.1	381.9	352.8	341.1	332.4	329.4	326.5
45°	288.6	291.5	306.1	335.3	373.2	344.0	314.9	300.3	303.2	306.1	303.2
47.5°	259.5	265.3	274.0	309.0	332.4	317.8	285.7	277.0	277.0	277.0	279.9
50°	224.5	239.1	256.6	285.7	303.2	294.5	268.2	256.6	250.7	250.7	253.6
52.5°	201.2	212.8	236.1	271.1	294.5	279.9	253.6	236.1	224.5	221.6	227.4
55°	174.9	195.3	233.2	259.5	291.5	277.0	247.8	227.4	207.0	204.1	204.1
57.5°	157.4	189.5	224.5	256.6	282.8	271.1	247.8	221.6	195.3	192.4	192.4
60°	148.7	183.7	218.7	247.8	282.8	265.3	244.9	215.7	186.6	186.6	183.7
62.5°	139.9	172.0	207.0	236.1	271.1	256.6	236.1	207.0	177.8	177.8	172.0
65°	116.6	148.7	172.0	198.2	236.1	221.6	201.2	180.8	157.4	151.6	154.5
67.5°	81.6	102.0	125.4	151.6	174.9	169.1	160.3	145.8	125.4	122.4	119.5
70°	40.8	55.4	75.8	102.0	122.4	116.6	110.8	99.1	87.5	84.5	84.5
72.5°	5.8	17.5	32.1	46.6	64.1	67.1	64.1	61.2	58.3	55.4	58.3
75°	0.0	0.0	0.0	11.7	26.2	32.1	37.9	43.7	43.7	37.9	46.6
77.5°	0.0	0.0	0.0	0.0	2.9	14.6	29.2	37.9	46.6	40.8	55.4
80°	0.0	0.0	0.0	0.0	2.9	17.5	29.2	40.8	46.6	40.8	58.3
82.5°	0.0	0.0	0.0	0.0	2.9	20.4	29.2	37.9	43.7	40.8	52.5
85°	0.0	0.0	0.0	0.0	8.7	17.5	11.7	5.8	2.9	2.9	8.7
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°	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0	7516.0
2.5°	6510.1	6717.1	6938.7	7023.2	7285.6	7483.9	7618.0	7906.6	7950.3	7953.3
5°	5230.3	5335.2	5714.2	5892.1	6282.7	6585.9	6909.5	7376.0	7688.0	7711.3
7.5°	3717.2	4008.7	4169.0	4632.6	5113.6	5588.9	6069.9	6612.2	6973.7	6982.4
10°	2991.2	3180.7	3466.4	3813.4	4218.6	4702.6	5344.0	5973.7	6341.0	6431.4
12.5°	2408.1	2740.5	3067.0	3425.6	3734.7	4099.1	4790.0	5629.7	5932.9	6113.6
15°	1854.2	2157.4	2542.2	2962.1	3311.9	3798.8	4586.0	5545.1	6055.3	6116.5
17.5°	1367.3	1638.5	1994.1	2390.6	2915.4	3606.4	4620.9	5973.7	6454.7	6556.8
20°	982.5	1139.9	1419.8	1880.4	2548.1	3381.9	4655.9	6408.1	7139.9	7314.8
22.5°	778.4	842.6	1026.2	1434.4	2137.0	3145.7	4903.7	7239.0	8081.5	8335.2
25°	676.4	711.4	798.8	1131.2	1877.5	3122.4	5300.2	8236.1	9335.2	9518.8
27.5°	653.1	658.9	734.7	1037.9	1737.6	2967.9	5451.8	8944.5	10116.5	10303.1
30°	688.0	781.3	787.2	877.5	1478.1	2661.8	5530.5	9629.6	10778.3	10915.3
32.5°	594.7	565.6	586.0	679.3	1300.3	2483.9	5679.2	10227.3	11533.4	11629.6
35°	414.0	434.4	481.0	588.9	1137.0	2297.4	5717.1	10886.2	12250.6	12349.7
37.5°	381.9	393.6	431.5	501.5	1000.0	2192.4	5664.7	11367.2	12994.0	13131.0
40°	355.7	370.3	390.7	454.8	897.9	2075.8	5591.8	11801.6	13448.8	13787.0
42.5°	335.3	346.9	364.4	434.4	810.5	1959.2	5489.7	12413.9	13857.0	14151.4
45°	311.9	329.4	349.9	422.7	760.9	1880.4	5413.9	12376.0	14093.1	14250.6
47.5°	288.6	317.8	341.1	393.6	746.3	1842.5	5446.0	12233.1	13900.7	13792.8
50°	265.3	303.2	344.0	326.5	711.4	1766.7	5483.9	12428.4	13443.0	13422.6
52.5°	244.9	288.6	320.7	268.2	632.6	1693.9	5851.2	12685.0	13766.6	13495.5
55°	215.7	259.5	256.6	215.7	513.1	1638.5	6139.9	12690.8	13548.0	13650.0
57.5°	195.3	230.3	201.2	180.8	379.0	1370.2	5670.5	10641.3	11597.5	11778.3
60°	180.8	224.5	151.6	142.9	247.8	988.3	4950.4	8241.9	9218.6	9559.7
62.5°	166.2	212.8	119.5	116.6	172.0	702.6	4069.9	6897.9	7944.5	8408.1
65°	145.8	151.6	96.2	90.4	122.4	379.0	2478.1	4749.2	5938.7	6110.7
67.5°	119.5	116.6	78.7	72.9	81.6	183.7	1093.3	2379.0	3443.1	3731.7
70°	96.2	96.2	67.1	58.3	58.3	84.5	285.7	947.5	1556.8	1723.0
72.5°	70.0	72.9	52.5	46.6	43.7	40.8	46.6	189.5	408.2	521.9
75°	61.2	64.1	52.5	40.8	32.1	26.2	20.4	17.5	23.3	37.9
77.5°	67.1	67.1	55.4	37.9	29.2	20.4	11.7	5.8	5.8	2.9
80°	84.5	87.5	72.9	49.6	35.0	23.3	14.6	5.8	2.9	2.9
82.5°	90.4	99.1	81.6	61.2	43.7	26.2	14.6	2.9	0.0	0.0
85°	23.3	37.9	64.1	55.4	43.7	26.2	14.6	2.9	0.0	0.0
87.5°	0.0	2.9	8.7	8.7	11.7	11.7	8.7	2.9	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)