

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: P527068

Luminaire Tested: **GALN-SA2A-740-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-740-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6849 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

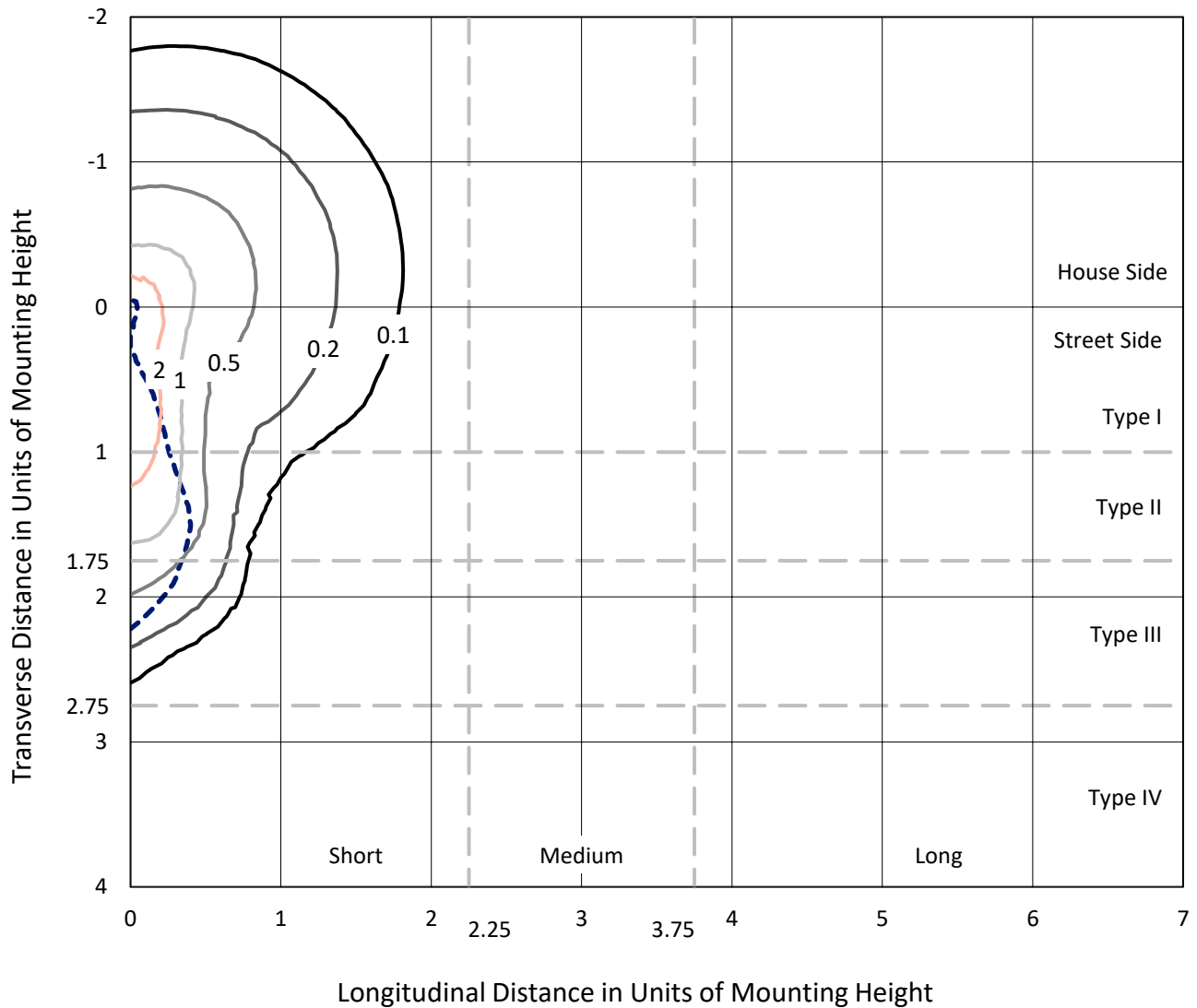
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

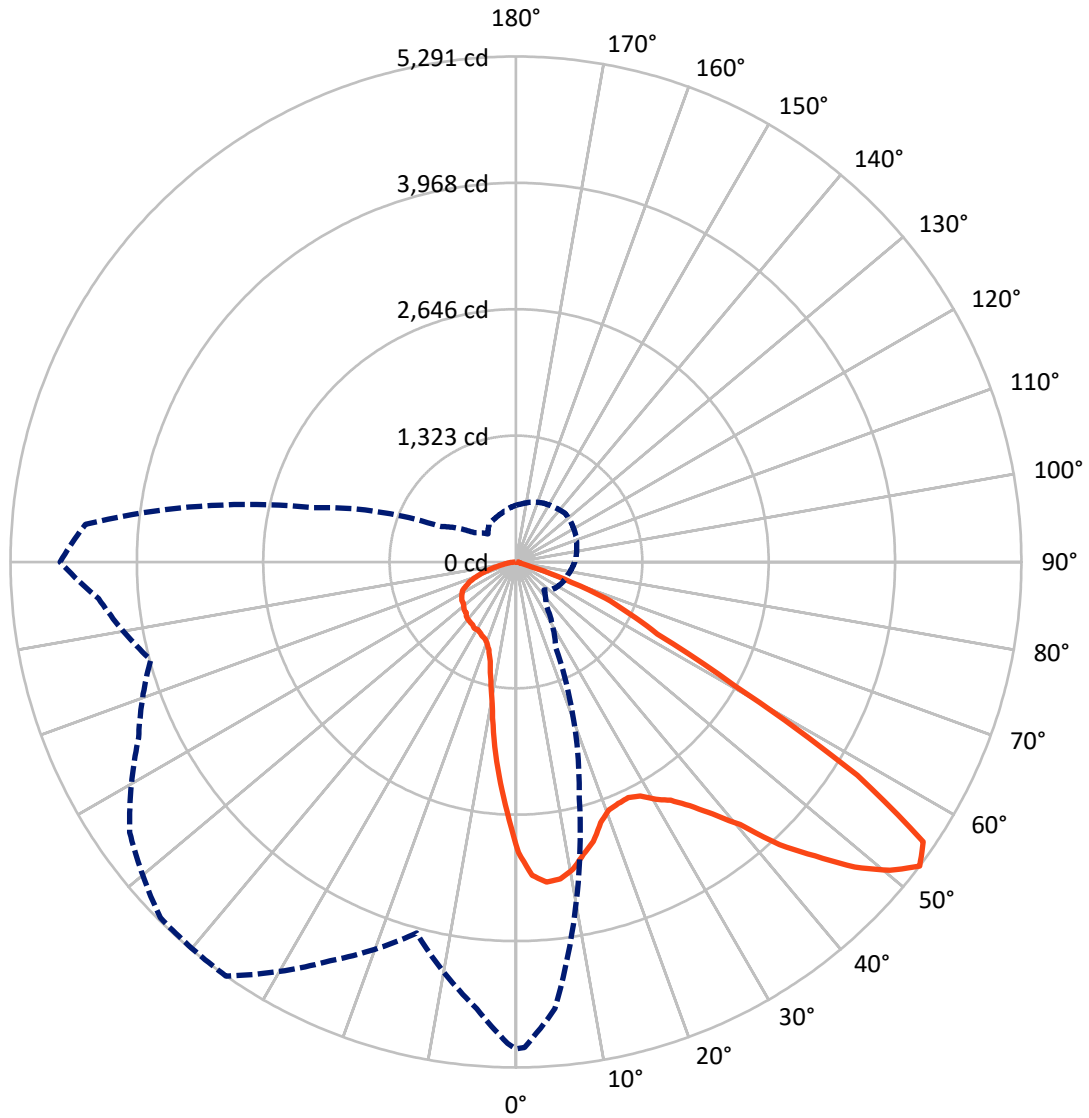
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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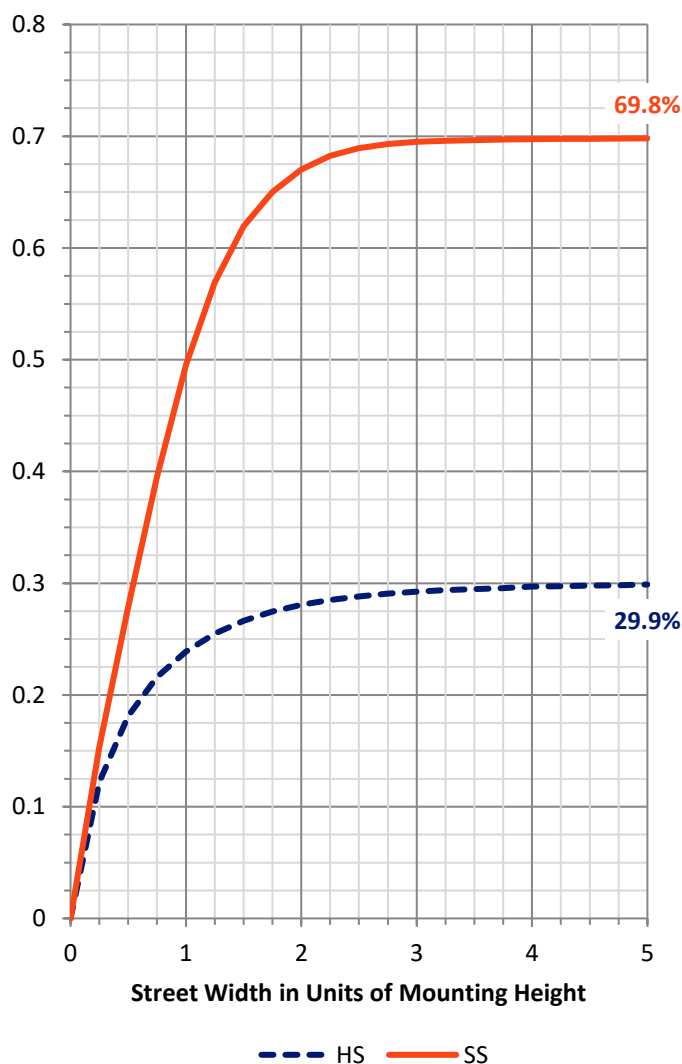
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2064.7	0.0	2064.7
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	4784.3	0.0	4784.3
	% Fixture	69.9	0.0	69.9
Total	Lumens	6849.0	0.0	6849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.9	3.4
10°-20°	502.7	7.3
20°-30°	759.6	11.1
30°-40°	1097.6	16.0
40°-50°	1460.7	21.3
50°-60°	1633.9	23.9
60°-70°	920.8	13.4
70°-80°	205.3	3.0
80°-90°	36.6	0.5
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°	6849.0	100.0
0°-180°	6849.0	100.0

Coefficient of Utilization



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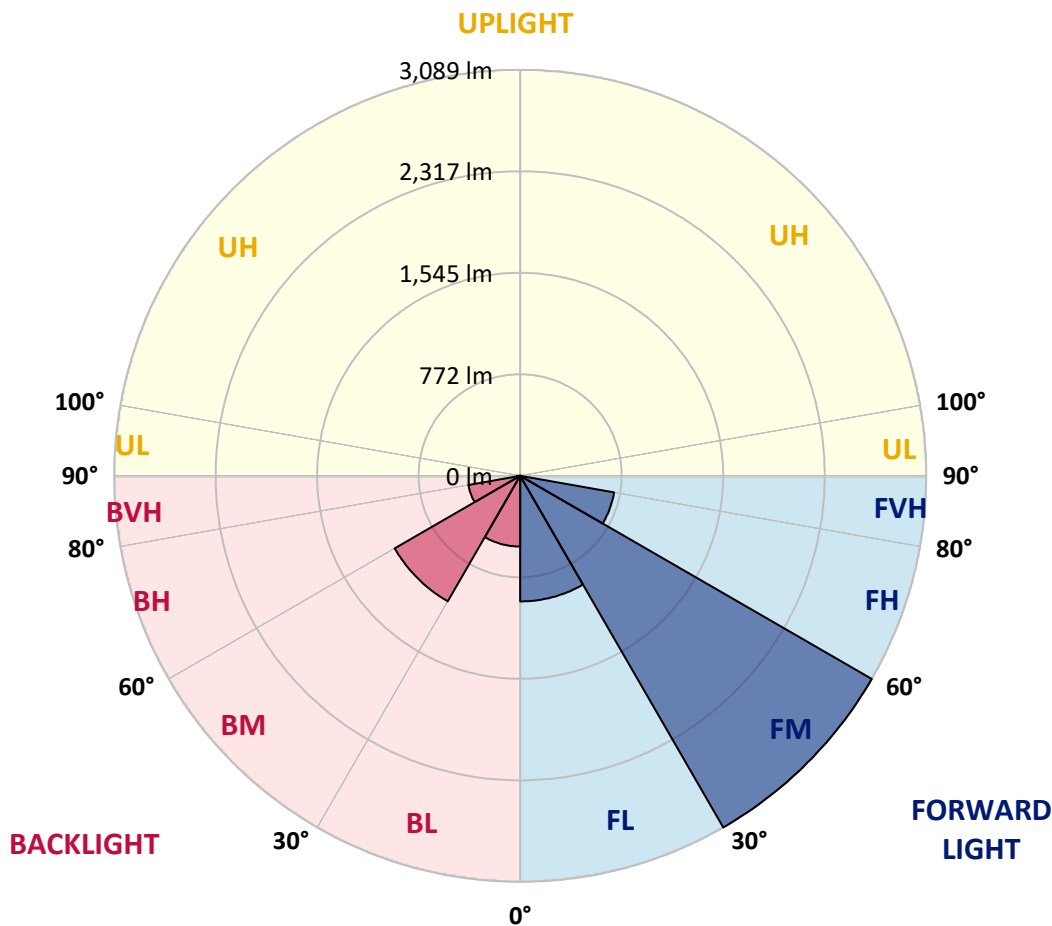
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	955.8	14.0			
FM (30°-60°)	3089.4	45.1			
FH (60°-80°)	725.9	10.6			G1/1800
FVH (80°-90°)	13.2	0.2			G1/100
BL (0°-30°)	538.4	7.9	B2/1000		
BM (30°-60°)	1102.7	16.1	B2/2500		
BH (60°-80°)	400.2	5.8	B1/500		G1/500
BVH (80°-90°)	23.3	0.3			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°	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6
2.5°	3090.3	3139.9	3086.3	2991.0	2923.5	2861.9	2797.4	2784.5	2700.1	2685.2	2623.7
5°	2914.5	2903.6	2838.1	2713.0	2575.0	2450.0	2357.6	2268.3	2207.8	2137.3	2132.3
7.5°	2701.1	2637.6	2599.9	2410.3	2239.5	2043.0	1958.6	1822.6	1779.9	1716.4	1683.6
10°	2510.5	2463.9	2375.5	2185.9	1947.7	1817.6	1727.3	1653.8	1604.2	1538.7	1456.3
12.5°	2416.2	2397.4	2298.1	2004.2	1827.5	1688.6	1625.0	1553.6	1469.2	1364.0	1323.3
15°	2433.1	2369.6	2294.1	1969.5	1725.3	1591.3	1490.0	1400.7	1292.5	1192.2	1133.7
17.5°	2559.2	2510.5	2359.6	1991.3	1686.6	1493.0	1309.4	1177.3	1080.1	989.7	949.0
20°	2807.3	2736.9	2567.1	2019.1	1603.2	1356.0	1145.6	982.8	878.5	830.9	817.0
22.5°	3082.3	3040.6	2769.6	2081.7	1536.7	1229.0	971.8	809.0	770.3	757.4	783.2
25°	3416.9	3308.6	3084.3	2183.9	1485.1	1120.8	824.9	734.6	714.7	727.6	757.4
27.5°	3671.0	3642.2	3304.7	2280.2	1414.6	990.7	742.5	683.0	688.9	701.8	729.6
30°	3972.8	3826.8	3518.1	2346.7	1351.1	901.4	685.0	669.1	675.0	696.9	710.8
32.5°	4154.4	4099.8	3652.1	2447.0	1277.6	823.9	640.3	625.4	634.3	667.1	699.8
35°	4385.7	4277.5	3817.9	2472.8	1226.0	793.2	608.5	597.6	618.4	641.3	678.0
37.5°	4655.7	4581.3	4047.2	2454.9	1198.2	761.4	581.7	576.8	591.6	623.4	666.1
40°	4815.6	4792.7	4167.3	2465.9	1154.5	733.6	550.9	556.9	587.7	612.5	654.2
42.5°	4969.4	4820.5	4345.0	2461.9	1126.7	695.9	553.9	547.0	570.8	599.6	639.3
45°	5003.2	4855.3	4386.7	2434.1	1093.0	659.1	531.1	534.1	562.9	598.6	624.4
47.5°	4981.3	4872.1	4464.1	2426.1	1061.2	633.3	497.3	533.1	550.0	578.7	615.5
50°	4966.4	4960.5	4529.7	2463.9	1018.5	592.6	456.6	520.2	537.0	565.8	605.5
52.5°	5097.5	5084.6	4693.5	2563.1	984.8	549.0	414.9	487.4	528.1	555.9	594.6
55°	5176.9	5120.3	4974.4	2685.2	928.2	491.4	386.2	446.7	506.3	531.1	570.8
57.5°	4656.7	4618.0	4499.9	2506.6	832.9	415.9	350.4	405.0	476.5	515.2	555.9
60°	3874.5	3813.9	3511.2	2130.3	614.5	323.6	328.6	372.3	468.6	483.4	531.1
62.5°	3653.1	3503.2	3091.2	1714.4	471.5	278.0	294.8	342.5	426.9	451.7	499.3
65°	2898.7	2787.5	2211.7	1237.9	315.7	241.2	269.0	308.7	368.3	416.9	460.6
67.5°	1814.6	1708.4	1180.3	585.7	220.4	206.5	240.2	281.9	330.6	374.2	422.9
70°	948.0	831.9	545.0	211.4	151.9	168.8	200.5	240.2	287.9	323.6	361.3
72.5°	353.4	286.9	177.7	91.3	105.2	129.1	162.8	191.6	225.3	269.0	289.9
75°	54.6	46.7	45.7	55.6	71.5	93.3	116.1	144.9	174.7	202.5	216.4
77.5°	25.8	24.8	27.8	36.7	47.6	66.5	84.4	112.2	136.0	153.9	161.8
80°	16.9	15.9	17.9	24.8	35.7	49.6	67.5	86.4	108.2	123.1	121.1
82.5°	9.9	10.9	10.9	16.9	24.8	35.7	48.6	65.5	80.4	93.3	85.4
85°	6.0	5.0	5.0	9.9	16.9	28.8	40.7	27.8	28.8	28.8	32.8
87.5°	2.0	2.0	2.0	1.0	2.0	2.0	3.0	5.0	6.0	6.9	8.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6
2.5°	2621.7	2652.5	2641.6	2602.8	2632.6	2637.6	2617.7	2686.2	2699.1	2678.3	2684.2
5°	2125.4	2133.3	2151.2	2188.9	2215.7	2247.5	2247.5	2249.4	2222.6	2290.1	2270.3
7.5°	1655.8	1660.8	1681.6	1762.0	1784.9	1845.4	1871.2	1853.4	1799.8	1776.9	1795.8
10°	1429.5	1400.7	1393.7	1403.7	1455.3	1481.1	1502.9	1497.0	1488.0	1470.2	1450.3
12.5°	1278.6	1257.7	1240.9	1217.0	1220.0	1244.8	1261.7	1247.8	1251.8	1255.8	1261.7
15°	1114.8	1099.9	1091.0	1055.2	1051.3	1068.1	1074.1	1082.0	1096.9	1097.9	1091.0
17.5°	941.1	928.2	948.0	967.9	954.0	955.0	965.9	972.8	968.9	951.0	942.1
20°	822.0	835.8	855.7	874.6	889.5	898.4	902.4	891.4	878.5	841.8	840.8
22.5°	787.2	805.1	822.0	850.7	864.6	887.5	866.6	841.8	823.9	806.1	785.2
25°	761.4	776.3	810.0	821.0	847.8	866.6	851.7	826.9	796.1	770.3	754.4
27.5°	742.5	759.4	781.2	811.0	831.9	842.8	827.9	818.0	786.2	755.4	732.6
30°	730.6	748.5	788.2	813.0	830.9	839.8	814.0	802.1	779.3	753.5	733.6
32.5°	722.7	738.6	772.3	804.1	816.0	816.0	820.0	806.1	774.3	730.6	713.7
35°	696.9	718.7	746.5	783.2	805.1	818.0	798.1	782.2	761.4	716.7	686.0
37.5°	682.0	696.9	732.6	767.4	786.2	800.1	792.2	764.4	736.6	699.8	675.0
40°	666.1	689.9	721.7	754.4	775.3	789.2	783.2	750.5	716.7	682.0	665.1
42.5°	655.2	671.1	703.8	740.5	765.4	792.2	774.3	733.6	709.8	662.1	643.3
45°	646.2	672.1	706.8	721.7	747.5	775.3	743.5	718.7	690.9	656.2	640.3
47.5°	635.3	659.1	682.0	721.7	733.6	746.5	740.5	700.8	677.0	639.3	628.4
50°	631.4	640.3	682.0	703.8	720.7	733.6	717.7	687.9	665.1	626.4	602.6
52.5°	615.5	632.3	659.1	687.9	708.8	724.7	698.9	680.0	649.2	608.5	593.6
55°	595.6	605.5	653.2	683.0	693.9	704.8	694.9	664.1	632.3	590.7	575.8
57.5°	569.8	592.6	631.4	673.0	686.9	692.9	677.0	652.2	612.5	575.8	551.9
60°	543.0	566.8	609.5	643.3	657.2	679.0	655.2	640.3	594.6	553.9	528.1
62.5°	516.2	543.0	574.8	617.5	629.4	638.3	632.3	611.5	574.8	529.1	497.3
65°	484.4	504.3	544.0	565.8	573.8	594.6	573.8	565.8	533.1	489.4	462.6
67.5°	436.8	453.7	488.4	509.3	515.2	524.1	523.1	514.2	477.5	447.7	423.9
70°	382.2	397.1	418.9	443.7	446.7	457.6	447.7	445.7	421.9	381.2	368.3
72.5°	306.7	320.6	349.4	360.3	361.3	365.3	360.3	353.4	347.4	304.8	291.9
75°	235.3	243.2	257.1	267.0	267.0	272.0	269.0	262.1	246.2	219.4	206.5
77.5°	163.8	171.7	189.6	195.6	194.6	196.6	187.6	180.7	156.8	142.9	132.0
80°	119.1	124.1	133.0	137.0	138.0	141.0	130.0	124.1	110.2	94.3	89.3
82.5°	86.4	89.3	90.3	95.3	95.3	90.3	87.4	81.4	71.5	61.5	57.6
85°	35.7	36.7	37.7	43.7	44.7	53.6	49.6	46.7	40.7	34.7	31.8
87.5°	8.9	9.9	12.9	10.9	12.9	12.9	13.9	15.9	15.9	12.9	12.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6
2.5°	2707.1	2715.0	2816.3	2829.2	2878.8	2929.4	3031.7	3105.1	3164.7	3203.4	3214.3
5°	2291.1	2341.8	2388.4	2463.9	2532.4	2629.6	2741.8	2880.8	3055.5	3144.9	3180.6
7.5°	1793.8	1853.4	1920.9	1994.3	2094.6	2269.3	2419.2	2580.0	2803.4	2895.7	3035.7
10°	1464.2	1530.7	1620.1	1676.7	1797.8	1964.5	2139.3	2324.9	2538.3	2671.3	2833.1
12.5°	1294.5	1349.1	1431.5	1550.6	1640.9	1749.1	1879.2	2113.4	2419.2	2545.3	2656.4
15°	1106.9	1167.4	1262.7	1394.7	1502.9	1632.0	1777.9	2033.0	2358.6	2553.2	2647.5
17.5°	952.0	995.7	1095.9	1210.1	1334.2	1475.1	1684.6	2029.1	2422.2	2671.3	2825.2
20°	844.8	850.7	905.3	1002.6	1171.4	1355.0	1627.0	2009.2	2625.7	2874.8	3069.4
22.5°	777.3	771.3	772.3	854.7	972.8	1236.9	1536.7	2076.7	2857.0	3198.5	3329.5
25°	743.5	727.6	717.7	735.6	842.8	1096.9	1468.2	2166.1	3106.1	3465.5	3626.3
27.5°	725.7	697.9	678.0	681.0	759.4	1026.4	1425.5	2204.8	3353.3	3837.8	3894.3
30°	718.7	684.0	655.2	645.3	696.9	928.2	1334.2	2271.3	3574.7	4042.2	4090.9
32.5°	693.9	651.2	623.4	614.5	635.3	841.8	1268.7	2318.9	3770.3	4264.6	4247.7
35°	665.1	629.4	594.6	577.7	592.6	786.2	1216.0	2296.1	4000.6	4437.3	4428.4
37.5°	662.1	615.5	586.7	558.9	557.9	717.7	1144.6	2317.9	4147.5	4747.1	4625.0
40°	636.3	606.5	568.8	546.0	533.1	683.0	1075.1	2266.3	4362.9	4872.1	4752.0
42.5°	637.3	592.6	559.9	533.1	520.2	632.3	1027.4	2252.4	4438.3	5075.6	4811.6
45°	621.4	577.7	550.0	518.2	511.2	593.6	981.8	2187.9	4571.4	5085.6	4737.1
47.5°	605.5	566.8	537.0	499.3	483.4	579.7	946.0	2134.3	4501.9	4992.3	4633.9
50°	594.6	550.0	522.2	495.4	450.7	555.9	899.4	2121.4	4404.6	4866.2	4442.3
52.5°	575.8	536.1	507.3	486.4	414.9	534.1	881.5	2196.8	4523.7	4771.9	4386.7
55°	557.9	517.2	480.5	439.8	385.2	476.5	831.9	2267.3	4697.4	4989.3	4638.9
57.5°	539.0	500.3	460.6	412.0	356.4	416.9	780.3	2280.2	4371.8	4611.1	4403.6
60°	514.2	464.6	434.8	371.3	325.6	345.5	618.4	2010.2	3391.0	3850.7	3857.6
62.5°	486.4	432.8	407.0	332.6	293.8	297.8	504.3	1689.6	2750.8	3187.5	3377.1
65°	449.7	398.1	367.3	307.7	271.0	258.1	369.3	1237.9	2089.6	2586.0	2801.4
67.5°	402.0	353.4	314.7	268.0	242.2	221.4	252.1	696.9	1233.9	1736.2	1801.7
70°	351.4	309.7	269.0	230.3	201.5	186.6	184.6	308.7	589.7	934.1	1063.2
72.5°	277.0	247.2	214.4	185.6	166.8	144.9	132.0	128.1	199.5	380.2	525.1
75°	198.5	173.7	154.9	136.0	122.1	110.2	100.3	91.3	83.4	95.3	131.0
77.5°	125.1	116.1	101.3	96.3	88.3	85.4	81.4	76.4	70.5	66.5	66.5
80°	84.4	78.4	73.5	72.5	69.5	68.5	69.5	64.5	58.6	53.6	55.6
82.5°	56.6	55.6	54.6	53.6	54.6	55.6	57.6	56.6	51.6	48.6	49.6
85°	33.8	35.7	37.7	39.7	43.7	38.7	31.8	26.8	23.8	21.8	20.8
87.5°	12.9	17.9	15.9	14.9	15.9	14.9	13.9	12.9	10.9	9.9	9.9
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°	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6	3039.6
2.5°	3286.8	3306.7	3323.5	3319.6	3284.8	3238.2	3219.3	3123.0	3103.2	3090.3
5°	3331.5	3446.6	3471.5	3456.6	3366.2	3252.1	3140.9	2999.9	2917.5	2914.5
7.5°	3249.1	3391.0	3435.7	3469.5	3349.3	3150.8	2960.2	2748.8	2697.1	2701.1
10°	3039.6	3266.0	3376.2	3410.9	3272.9	3101.2	2837.1	2622.7	2512.5	2510.5
12.5°	2923.5	3101.2	3131.9	3180.6	3139.9	2966.2	2765.6	2525.4	2418.2	2416.2
15°	2820.2	2937.4	2946.3	3014.8	3036.7	2919.5	2784.5	2528.4	2442.0	2433.1
17.5°	2910.6	2829.2	2795.4	2804.4	2868.9	2911.6	2893.7	2697.1	2608.8	2559.2
20°	2971.1	2789.5	2687.2	2697.1	2773.6	2929.4	3056.5	2941.4	2801.4	2807.3
22.5°	3132.9	2795.4	2635.6	2624.7	2745.8	3022.8	3240.2	3250.1	3115.1	3082.3
25°	3375.2	2863.9	2619.7	2616.7	2732.9	3123.0	3454.6	3615.4	3477.4	3416.9
27.5°	3569.7	2971.1	2669.4	2679.3	2773.6	3204.4	3637.2	3850.7	3745.4	3671.0
30°	3740.5	3082.3	2738.8	2693.2	2882.8	3247.1	3715.7	4118.7	4034.3	3972.8
32.5°	3811.0	3240.2	2849.0	2773.6	2973.1	3298.7	3878.5	4378.8	4306.3	4154.4
35°	3930.1	3328.5	2908.6	2902.6	3131.0	3422.8	3954.9	4550.5	4520.7	4385.7
37.5°	4025.4	3417.8	3120.0	3054.5	3347.4	3631.3	4078.0	4787.8	4719.3	4655.7
40°	4098.8	3577.7	3317.6	3403.9	3613.4	3820.9	4191.2	4802.7	5000.2	4815.6
42.5°	4031.3	3720.6	3642.2	3848.7	4047.2	4037.3	4204.1	4917.8	5065.7	4969.4
45°	4014.5	3962.8	4155.4	4343.0	4388.7	4217.0	4111.7	4790.7	5045.9	5003.2
47.5°	3973.8	4201.1	4536.6	4842.4	4772.9	4337.1	4001.5	4767.9	5057.8	4981.3
50°	3959.9	4252.7	4818.5	5116.3	5074.7	4441.3	3949.9	4621.0	4973.4	4966.4
52.5°	3958.9	4358.9	4935.7	5265.2	5291.1	4606.1	4020.4	4695.4	5038.9	5097.5
55°	4003.5	4325.2	4920.8	5182.9	5172.9	4532.6	4028.4	4745.1	5119.3	5176.9
57.5°	3776.2	3874.5	4061.1	4268.6	4215.0	3754.4	3597.5	4386.7	4698.4	4656.7
60°	3261.0	2953.3	2742.8	2732.9	2628.7	2484.7	2944.3	3915.2	3915.2	3874.5
62.5°	2856.0	1938.7	1665.7	1588.3	1662.8	1828.5	2840.1	3808.0	3699.8	3653.1
65°	2497.6	1480.1	1204.1	1182.3	1311.3	1561.5	2568.1	3244.1	3053.5	2898.7
67.5°	1607.2	1084.0	895.4	856.7	1012.5	1146.6	1709.4	1995.3	1875.2	1814.6
70°	1036.4	705.8	498.3	467.6	528.1	706.8	1092.0	1163.4	988.7	948.0
72.5°	490.4	304.8	174.7	143.9	161.8	270.0	431.8	464.6	386.2	353.4
75°	155.9	112.2	71.5	61.5	58.6	69.5	99.3	76.4	55.6	54.6
77.5°	69.5	66.5	56.6	47.6	41.7	34.7	28.8	23.8	24.8	25.8
80°	57.6	52.6	46.7	41.7	34.7	26.8	20.8	15.9	15.9	16.9
82.5°	50.6	45.7	40.7	34.7	29.8	21.8	15.9	10.9	9.9	9.9
85°	21.8	25.8	27.8	29.8	23.8	17.9	10.9	6.9	6.0	6.0
87.5°	8.9	7.9	6.9	6.0	5.0	5.0	4.0	3.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)