

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: P527302

Luminaire Tested: **GALN-SA2B-740-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527302
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-SA2B-740-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 800mA 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: 8522 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

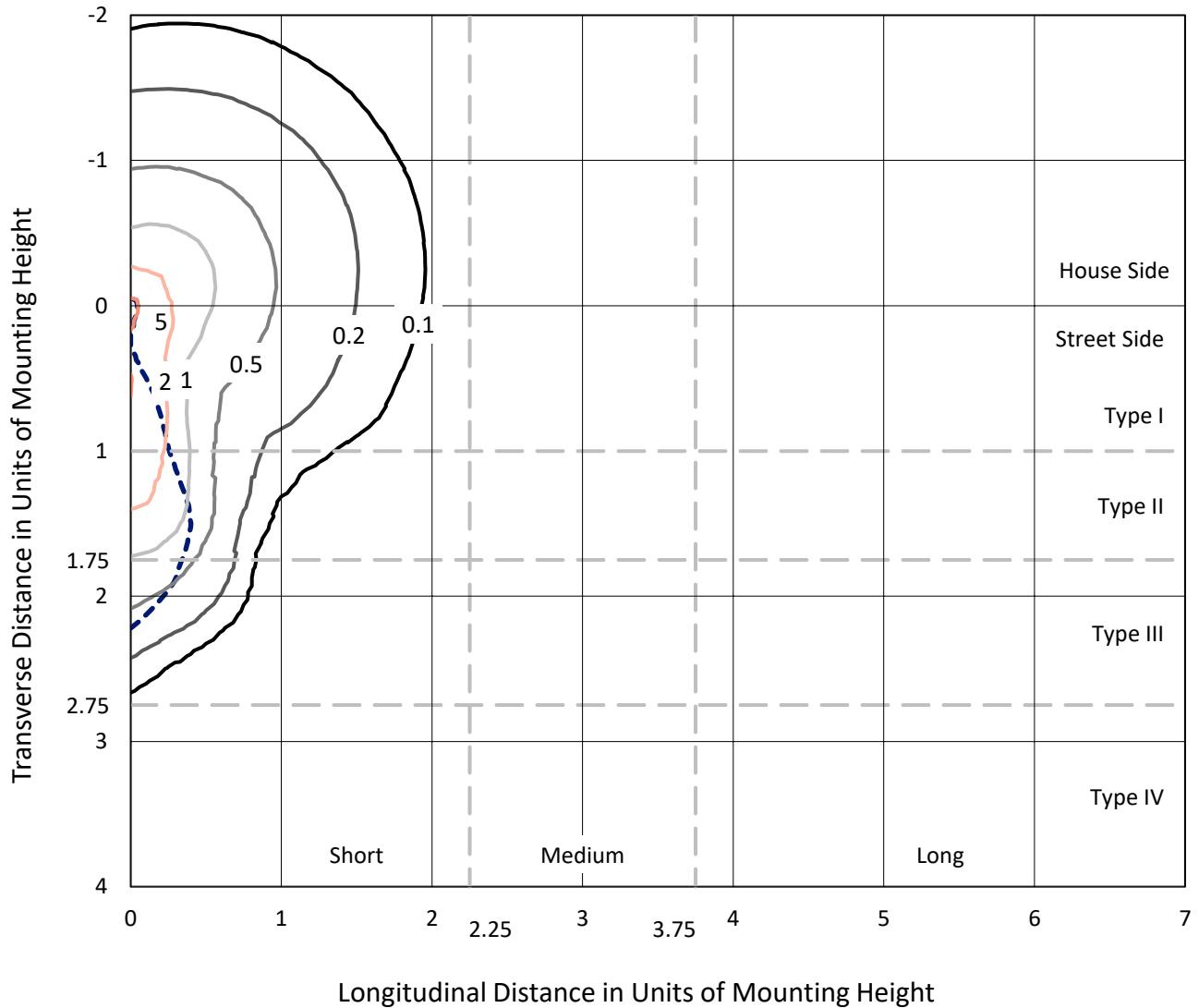
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

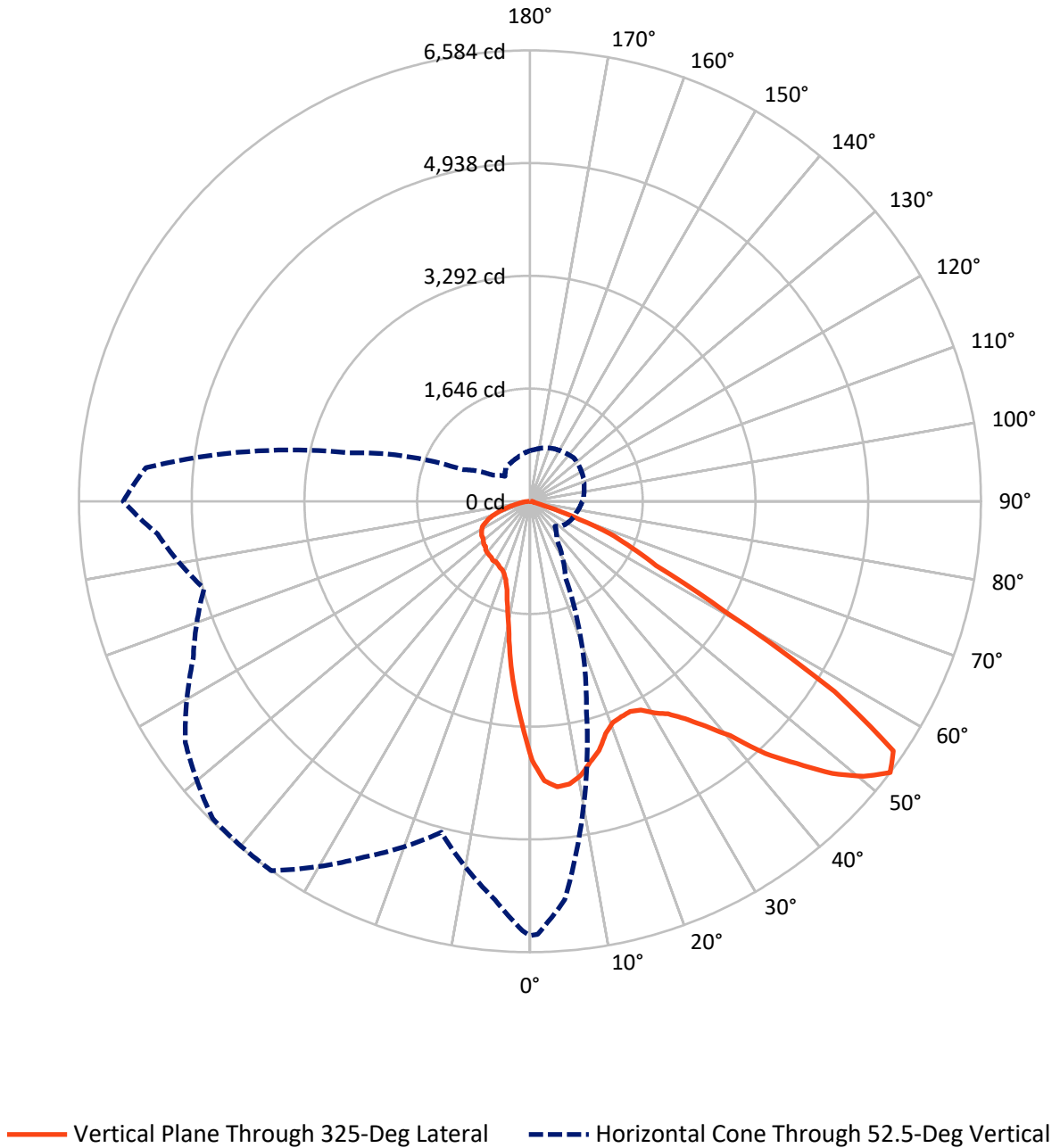
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	2569.0	0.0	2569.0
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	5953.0	0.0	5953.0
	% Fixture	69.9	0.0	69.9
Total	Lumens	8522.0	0.0	8522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.5	3.4
10°-20°	625.5	7.3
20°-30°	945.1	11.1
30°-40°	1365.7	16.0
40°-50°	1817.5	21.3
50°-60°	2033.0	23.9
60°-70°	1145.8	13.4
70°-80°	255.4	3.0
80°-90°	45.5	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°	8522.0	100.0
0°-180°	8522.0	100.0

Coefficient of Utilization



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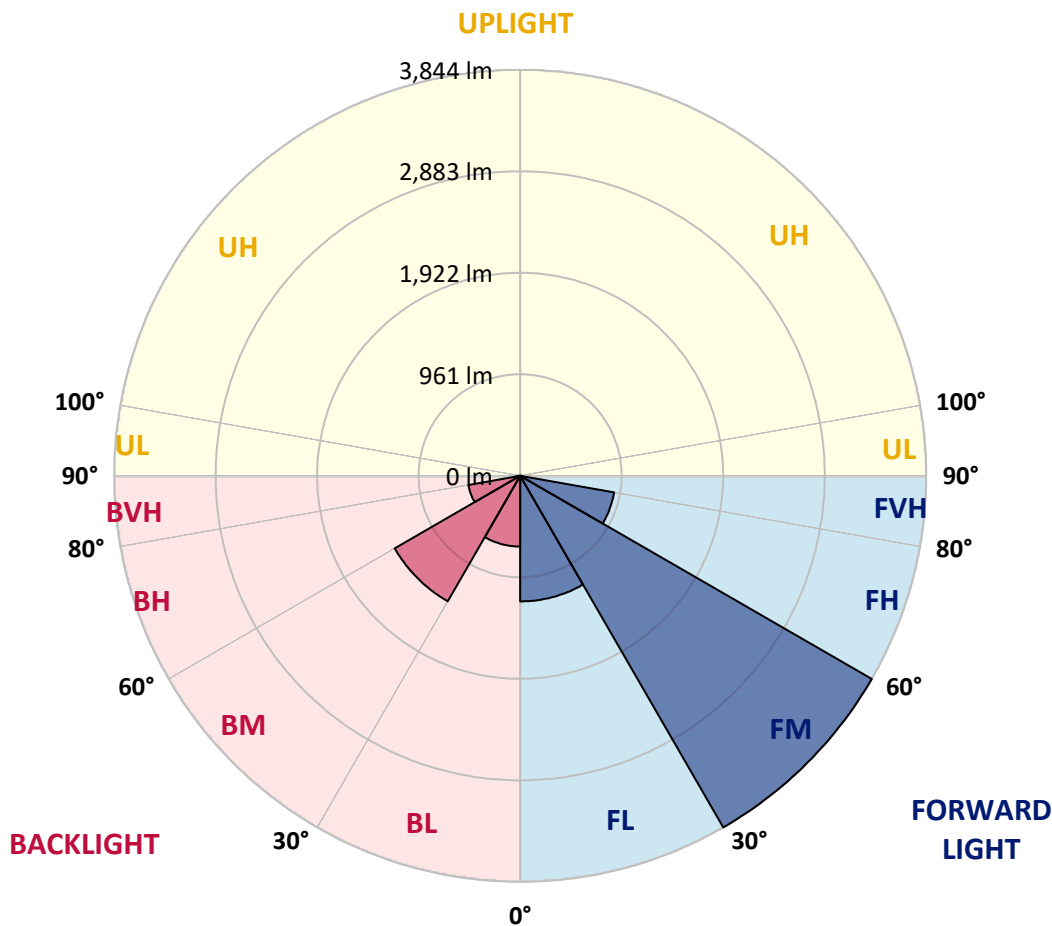
CATALOG NUMBER: GALN-SA2B-740-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1189.2	14.0			
FM (30°-60°)	3844.1	45.1			
FH (60°-80°)	903.2	10.6			G1/1800
FVH (80°-90°)	16.5	0.2			G1/100
BL (0°-30°)	669.9	7.9	B2/1000		
BM (30°-60°)	1372.1	16.1	B2/2500		
BH (60°-80°)	498.0	5.8	B1/500		G1/500
BVH (80°-90°)	29.0	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°	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1
2.5°	3845.1	3906.9	3840.2	3721.6	3637.6	3561.0	3480.7	3464.7	3359.7	3341.2	3264.6
5°	3626.5	3612.9	3531.4	3375.7	3204.1	3048.4	2933.5	2822.4	2747.0	2659.3	2653.2
7.5°	3360.9	3281.9	3234.9	2999.0	2786.6	2542.0	2437.0	2267.8	2214.7	2135.6	2094.9
10°	3123.8	3065.7	2955.8	2719.9	2423.4	2261.6	2149.2	2057.8	1996.0	1914.5	1812.0
12.5°	3006.4	2983.0	2859.4	2493.8	2274.0	2101.0	2022.0	1933.1	1828.1	1697.1	1646.5
15°	3027.4	2948.4	2854.5	2450.6	2146.7	1980.0	1854.0	1742.8	1608.2	1483.4	1410.6
17.5°	3184.3	3123.8	2936.0	2477.8	2098.6	1857.7	1629.2	1464.9	1343.9	1231.5	1180.8
20°	3493.1	3405.4	3194.2	2512.4	1994.8	1687.3	1425.4	1222.8	1093.1	1033.8	1016.6
22.5°	3835.2	3783.4	3446.1	2590.2	1912.1	1529.2	1209.2	1006.7	958.5	942.4	974.6
25°	4251.5	4116.8	3837.7	2717.4	1847.8	1394.5	1026.4	914.0	889.3	905.4	942.4
27.5°	4567.7	4531.9	4111.9	2837.2	1760.1	1232.7	923.9	849.8	857.2	873.3	907.9
30°	4943.2	4761.6	4377.5	2920.0	1681.1	1121.5	852.3	832.5	839.9	867.1	884.4
32.5°	5169.2	5101.3	4544.2	3044.7	1589.7	1025.2	796.7	778.2	789.3	830.0	870.8
35°	5457.0	5322.4	4750.5	3076.8	1525.4	986.9	757.2	743.6	769.5	797.9	843.6
37.5°	5793.0	5700.3	5035.8	3054.6	1490.9	947.4	723.8	717.6	736.2	775.7	828.8
40°	5991.8	5963.4	5185.3	3068.2	1436.5	912.8	685.5	692.9	731.2	762.1	814.0
42.5°	6183.3	5998.0	5406.4	3063.2	1401.9	865.9	689.2	680.6	710.2	746.0	795.5
45°	6225.3	6041.3	5458.3	3028.7	1359.9	820.2	660.8	664.5	700.3	744.8	776.9
47.5°	6198.1	6062.3	5554.6	3018.8	1320.4	788.0	618.8	663.3	684.3	720.1	765.8
50°	6179.6	6172.2	5636.1	3065.7	1267.3	737.4	568.2	647.2	668.2	704.1	753.5
52.5°	6342.6	6326.6	5839.9	3189.2	1225.3	683.1	516.3	606.5	657.1	691.7	739.9
55°	6441.5	6371.0	6189.5	3341.2	1154.9	611.4	480.5	555.8	629.9	660.8	710.2
57.5°	5794.2	5746.0	5599.1	3118.8	1036.3	517.5	436.0	504.0	592.9	641.1	691.7
60°	4820.9	4745.6	4368.8	2650.7	764.6	402.7	408.8	463.2	583.0	601.5	660.8
62.5°	4545.5	4358.9	3846.3	2133.2	586.7	345.8	366.8	426.1	531.1	562.0	621.3
65°	3606.7	3468.4	2752.0	1540.3	392.8	300.1	334.7	384.1	458.3	518.8	573.1
67.5°	2257.9	2125.7	1468.6	728.8	274.2	256.9	298.9	350.8	411.3	465.7	526.2
70°	1179.6	1035.1	678.1	263.1	189.0	210.0	249.5	298.9	358.2	402.7	449.6
72.5°	439.7	357.0	221.1	113.6	130.9	160.6	202.6	238.4	280.4	334.7	360.7
75°	67.9	58.1	56.8	69.2	88.9	116.1	144.5	180.3	217.4	252.0	269.3
77.5°	32.1	30.9	34.6	45.7	59.3	82.8	105.0	139.6	169.2	191.5	201.3
80°	21.0	19.8	22.2	30.9	44.5	61.8	84.0	107.5	134.6	153.2	150.7
82.5°	12.4	13.6	13.6	21.0	30.9	44.5	60.5	81.5	100.0	116.1	106.2
85°	7.4	6.2	6.2	12.4	21.0	35.8	50.6	34.6	35.8	35.8	40.8
87.5°	2.5	2.5	2.5	1.2	2.5	2.5	3.7	6.2	7.4	8.6	11.1
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°	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1
2.5°	3262.1	3300.4	3286.8	3238.6	3275.7	3281.9	3257.2	3342.4	3358.4	3332.5	3339.9
5°	2644.5	2654.4	2676.6	2723.6	2756.9	2796.4	2796.4	2798.9	2765.6	2849.6	2824.9
7.5°	2060.3	2066.5	2092.4	2192.4	2220.9	2296.2	2328.3	2306.1	2239.4	2211.0	2234.4
10°	1778.7	1742.8	1734.2	1746.5	1810.8	1842.9	1870.1	1862.6	1851.5	1829.3	1804.6
12.5°	1590.9	1565.0	1544.0	1514.3	1518.0	1548.9	1569.9	1552.6	1557.6	1562.5	1569.9
15°	1387.1	1368.6	1357.5	1313.0	1308.1	1329.1	1336.5	1346.3	1364.9	1366.1	1357.5
17.5°	1170.9	1154.9	1179.6	1204.3	1187.0	1188.2	1201.8	1210.5	1205.5	1183.3	1172.2
20°	1022.7	1040.0	1064.7	1088.2	1106.7	1117.8	1122.8	1109.2	1093.1	1047.4	1046.2
22.5°	979.5	1001.7	1022.7	1058.5	1075.8	1104.2	1078.3	1047.4	1025.2	1003.0	977.0
25°	947.4	965.9	1007.9	1021.5	1054.8	1078.3	1059.8	1028.9	990.6	958.5	938.7
27.5°	923.9	944.9	972.1	1009.1	1035.1	1048.7	1030.1	1017.8	978.3	940.0	911.6
30°	909.1	931.3	980.7	1011.6	1033.8	1045.0	1012.8	998.0	969.6	937.5	912.8
32.5°	899.2	919.0	961.0	1000.5	1015.3	1015.3	1020.3	1003.0	963.4	909.1	888.1
35°	867.1	894.3	928.9	974.6	1001.7	1017.8	993.1	973.3	947.4	891.8	853.5
37.5°	848.6	867.1	911.6	954.8	978.3	995.6	985.7	951.1	916.5	870.8	839.9
40°	828.8	858.4	898.0	938.7	964.7	982.0	974.6	933.8	891.8	848.6	827.6
42.5°	815.2	835.0	875.7	921.4	952.3	985.7	963.4	912.8	883.2	823.9	800.4
45°	804.1	836.2	879.4	898.0	930.1	964.7	925.1	894.3	859.7	816.5	796.7
47.5°	790.5	820.2	848.6	898.0	912.8	928.9	921.4	872.0	842.4	795.5	781.9
50°	785.6	796.7	848.6	875.7	896.7	912.8	893.0	856.0	827.6	779.4	749.8
52.5°	765.8	786.8	820.2	856.0	881.9	901.7	869.6	846.1	807.8	757.2	738.6
55°	741.1	753.5	812.7	849.8	863.4	877.0	864.6	826.3	786.8	734.9	716.4
57.5°	709.0	737.4	785.6	837.5	854.7	862.2	842.4	811.5	762.1	716.4	686.8
60°	675.6	705.3	758.4	800.4	817.7	844.9	815.2	796.7	739.9	689.2	657.1
62.5°	642.3	675.6	715.2	768.3	783.1	794.2	786.8	760.9	715.2	658.4	618.8
65°	602.8	627.5	676.9	704.1	713.9	739.9	713.9	704.1	663.3	608.9	575.6
67.5°	543.5	564.5	607.7	633.6	641.1	652.2	650.9	639.8	594.1	557.1	527.4
70°	475.5	494.1	521.2	552.1	555.8	569.4	557.1	554.6	525.0	474.3	458.3
72.5°	381.7	399.0	434.8	448.4	449.6	454.5	448.4	439.7	432.3	379.2	363.1
75°	292.7	302.6	319.9	332.3	332.3	338.4	334.7	326.1	306.3	273.0	256.9
77.5°	203.8	213.7	235.9	243.3	242.1	244.6	233.4	224.8	195.2	177.9	164.3
80°	148.2	154.4	165.5	170.5	171.7	175.4	161.8	154.4	137.1	117.3	111.2
82.5°	107.5	111.2	112.4	118.6	118.6	112.4	108.7	101.3	88.9	76.6	71.6
85°	44.5	45.7	46.9	54.3	55.6	66.7	61.8	58.1	50.6	43.2	39.5
87.5°	11.1	12.4	16.1	13.6	16.1	16.1	17.3	19.8	19.8	16.1	16.1
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°	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1
2.5°	3368.3	3378.2	3504.2	3520.3	3582.0	3645.0	3772.2	3863.6	3937.7	3985.9	3999.5
5°	2850.8	2913.8	2971.8	3065.7	3150.9	3272.0	3411.6	3584.5	3801.9	3913.0	3957.5
7.5°	2232.0	2306.1	2390.1	2481.5	2606.2	2823.6	3010.1	3210.2	3488.1	3603.0	3777.2
10°	1821.9	1904.6	2015.8	2086.2	2236.9	2444.4	2661.8	2892.8	3158.4	3323.9	3525.2
12.5°	1610.7	1678.6	1781.1	1929.3	2041.7	2176.4	2338.2	2629.7	3010.1	3167.0	3305.3
15°	1377.2	1452.6	1571.1	1735.4	1870.1	2030.6	2212.2	2529.6	2934.8	3176.9	3294.2
17.5°	1184.5	1238.9	1363.6	1505.7	1660.1	1835.5	2096.1	2524.7	3013.8	3323.9	3515.3
20°	1051.1	1058.5	1126.5	1247.5	1457.5	1686.0	2024.5	2500.0	3267.0	3577.1	3819.2
22.5°	967.1	959.7	961.0	1063.5	1210.5	1539.0	1912.1	2584.0	3554.8	3979.7	4142.8
25°	925.1	905.4	893.0	915.3	1048.7	1364.9	1826.8	2695.2	3864.9	4312.0	4512.1
27.5°	902.9	868.3	843.6	847.3	944.9	1277.2	1773.7	2743.3	4172.4	4775.2	4845.6
30°	894.3	851.0	815.2	802.9	867.1	1154.9	1660.1	2826.1	4447.9	5029.6	5090.2
32.5°	863.4	810.3	775.7	764.6	790.5	1047.4	1578.6	2885.4	4691.2	5306.3	5285.3
35°	827.6	783.1	739.9	718.9	737.4	978.3	1513.1	2857.0	4977.8	5521.2	5510.1
37.5°	823.9	765.8	730.0	695.4	694.2	893.0	1424.2	2884.1	5160.6	5906.6	5754.7
40°	791.7	754.7	707.8	679.3	663.3	849.8	1337.7	2819.9	5428.6	6062.3	5912.8
42.5°	793.0	737.4	696.6	663.3	647.2	786.8	1278.4	2802.6	5522.5	6315.5	5986.9
45°	773.2	718.9	684.3	644.8	636.1	738.6	1221.6	2722.3	5688.0	6327.8	5894.3
47.5°	753.5	705.3	668.2	621.3	601.5	721.3	1177.1	2655.6	5601.5	6211.7	5765.8
50°	739.9	684.3	649.7	616.4	560.8	691.7	1119.1	2639.6	5480.5	6054.8	5527.4
52.5°	716.4	667.0	631.2	605.2	516.3	664.5	1096.8	2733.4	5628.7	5937.5	5458.3
55°	694.2	643.5	597.8	547.2	479.2	592.9	1035.1	2821.1	5844.9	6208.0	5772.0
57.5°	670.7	622.5	573.1	512.6	443.4	518.8	970.9	2837.2	5439.7	5737.4	5479.3
60°	639.8	578.1	541.0	462.0	405.1	429.8	769.5	2501.2	4219.4	4791.3	4799.9
62.5°	605.2	538.5	506.4	413.8	365.6	370.6	627.5	2102.3	3422.7	3966.2	4202.1
65°	559.5	495.3	457.0	382.9	337.2	321.1	459.5	1540.3	2600.1	3217.6	3485.7
67.5°	500.2	439.7	391.6	333.5	301.4	275.4	313.7	867.1	1535.3	2160.3	2241.8
70°	437.3	385.4	334.7	286.6	250.7	232.2	229.7	384.1	733.7	1162.3	1322.9
72.5°	344.6	307.6	266.8	231.0	207.5	180.3	164.3	159.3	248.3	473.1	653.4
75°	247.0	216.2	192.7	169.2	151.9	137.1	124.8	113.6	103.8	118.6	163.0
77.5°	155.6	144.5	126.0	119.8	109.9	106.2	101.3	95.1	87.7	82.8	82.8
80°	105.0	97.6	91.4	90.2	86.5	85.2	86.5	80.3	72.9	66.7	69.2
82.5°	70.4	69.2	67.9	66.7	67.9	69.2	71.6	70.4	64.2	60.5	61.8
85°	42.0	44.5	46.9	49.4	54.3	48.2	39.5	33.3	29.6	27.2	25.9
87.5°	16.1	22.2	19.8	18.5	19.8	18.5	17.3	16.1	13.6	12.4	12.4
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°	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1
2.5°	4089.7	4114.4	4135.4	4130.4	4087.2	4029.2	4005.7	3885.9	3861.2	3845.1
5°	4145.3	4288.5	4319.4	4300.9	4188.5	4046.4	3908.1	3732.7	3630.2	3626.5
7.5°	4042.7	4219.4	4275.0	4316.9	4167.5	3920.5	3683.3	3420.2	3356.0	3360.9
10°	3782.1	4063.7	4200.8	4244.1	4072.4	3858.7	3530.1	3263.3	3126.2	3123.8
12.5°	3637.6	3858.7	3897.0	3957.5	3906.9	3690.7	3441.2	3142.3	3008.9	3006.4
15°	3509.1	3654.9	3666.0	3751.2	3778.4	3632.7	3464.7	3146.0	3038.5	3027.4
17.5°	3621.5	3520.3	3478.3	3489.4	3569.7	3622.8	3600.5	3356.0	3246.0	3184.3
20°	3696.9	3470.9	3343.6	3356.0	3451.1	3645.0	3803.1	3659.8	3485.7	3493.1
22.5°	3898.2	3478.3	3279.4	3265.8	3416.5	3761.1	4031.6	4044.0	3876.0	3835.2
25°	4199.6	3563.5	3259.6	3255.9	3400.4	3885.9	4298.4	4498.5	4326.8	4251.5
27.5°	4441.7	3696.9	3321.4	3333.7	3451.1	3987.2	4525.7	4791.3	4660.3	4567.7
30°	4654.2	3835.2	3407.9	3351.0	3587.0	4040.3	4623.3	5124.8	5019.8	4943.2
32.5°	4741.8	4031.6	3545.0	3451.1	3699.4	4104.5	4825.8	5448.4	5358.2	5169.2
35°	4890.1	4141.6	3619.1	3611.7	3895.8	4258.9	4921.0	5662.1	5625.0	5457.0
37.5°	5008.6	4252.7	3882.2	3800.6	4165.0	4518.3	5074.1	5957.3	5872.0	5793.0
40°	5100.1	4451.6	4128.0	4235.4	4496.0	4754.2	5214.9	5975.8	6221.6	5991.8
42.5°	5016.1	4629.4	4531.9	4788.8	5035.8	5023.5	5231.0	6119.1	6303.1	6183.3
45°	4995.1	4930.8	5170.5	5403.9	5460.7	5247.0	5116.1	5961.0	6278.4	6225.3
47.5°	4944.4	5227.3	5644.8	6025.2	5938.7	5396.5	4979.0	5932.6	6293.2	6198.1
50°	4927.1	5291.5	5995.6	6366.1	6314.2	5526.2	4914.8	5749.8	6188.2	6179.6
52.5°	4925.9	5423.7	6141.3	6551.4	6583.5	5731.2	5002.5	5842.4	6269.8	6342.6
55°	4981.5	5381.7	6122.8	6448.9	6436.5	5639.8	5012.4	5904.2	6369.8	6441.5
57.5°	4698.6	4820.9	5053.1	5311.3	5244.6	4671.4	4476.3	5458.3	5846.1	5794.2
60°	4057.6	3674.7	3412.8	3400.4	3270.8	3091.7	3663.5	4871.5	4871.5	4820.9
62.5°	3553.6	2412.3	2072.6	1976.3	2068.9	2275.2	3533.8	4738.1	4603.5	4545.5
65°	3107.7	1841.7	1498.3	1471.1	1631.7	1942.9	3195.4	4036.6	3799.4	3606.7
67.5°	1999.8	1348.8	1114.1	1066.0	1259.9	1426.6	2127.0	2482.7	2333.3	2257.9
70°	1289.5	878.2	620.1	581.8	657.1	879.4	1358.7	1447.6	1230.2	1179.6
72.5°	610.2	379.2	217.4	179.1	201.3	336.0	537.3	578.1	480.5	439.7
75°	193.9	139.6	88.9	76.6	72.9	86.5	123.5	95.1	69.2	67.9
77.5°	86.5	82.8	70.4	59.3	51.9	43.2	35.8	29.6	30.9	32.1
80°	71.6	65.5	58.1	51.9	43.2	33.3	25.9	19.8	19.8	21.0
82.5°	63.0	56.8	50.6	43.2	37.1	27.2	19.8	13.6	12.4	12.4
85°	27.2	32.1	34.6	37.1	29.6	22.2	13.6	8.6	7.4	7.4
87.5°	11.1	9.9	8.6	7.4	6.2	6.2	4.9	3.7	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)