

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: P955551

Luminaire Tested: **GALN-SB8C-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955551
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB8C-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

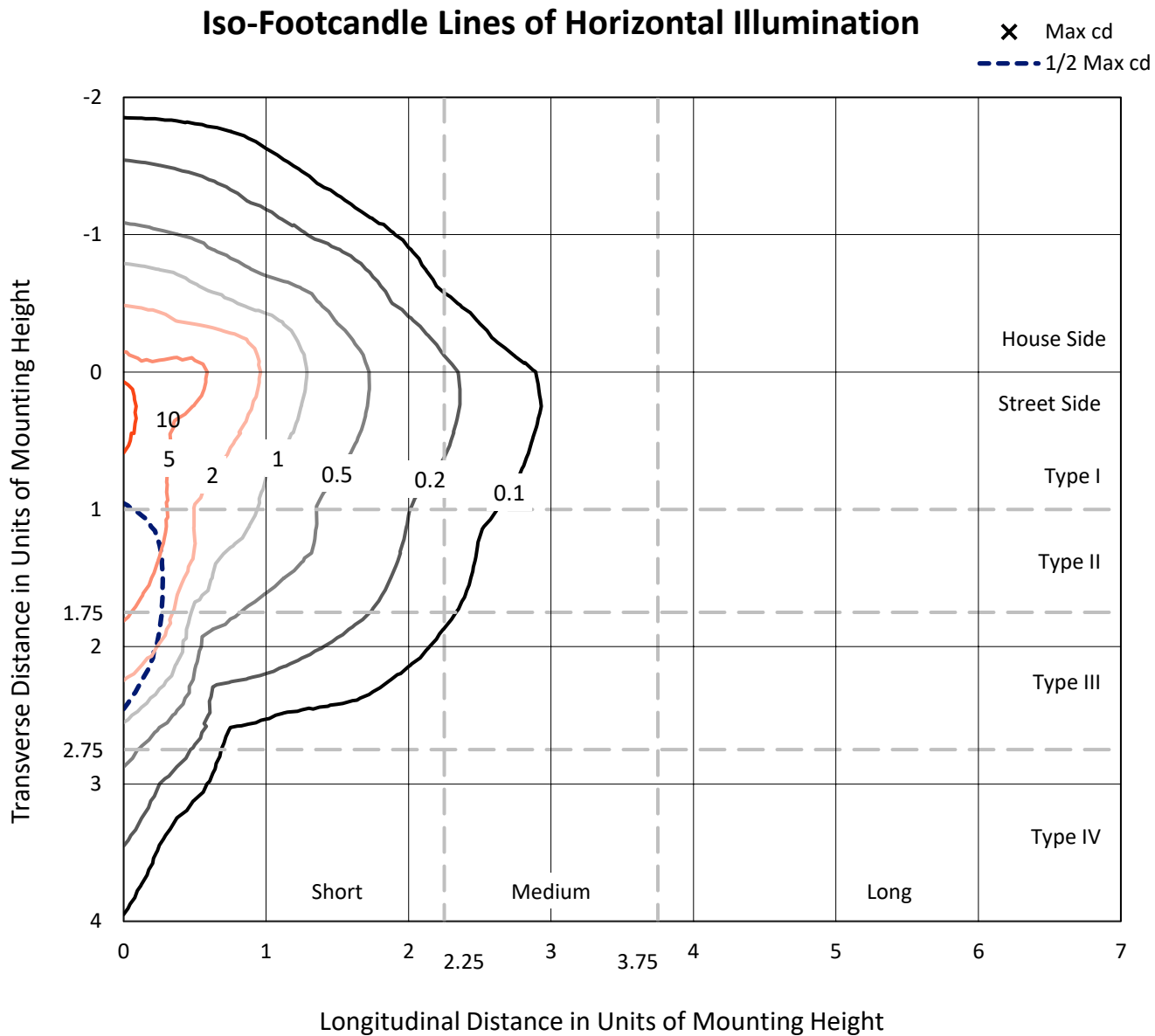
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38180 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 399.8
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

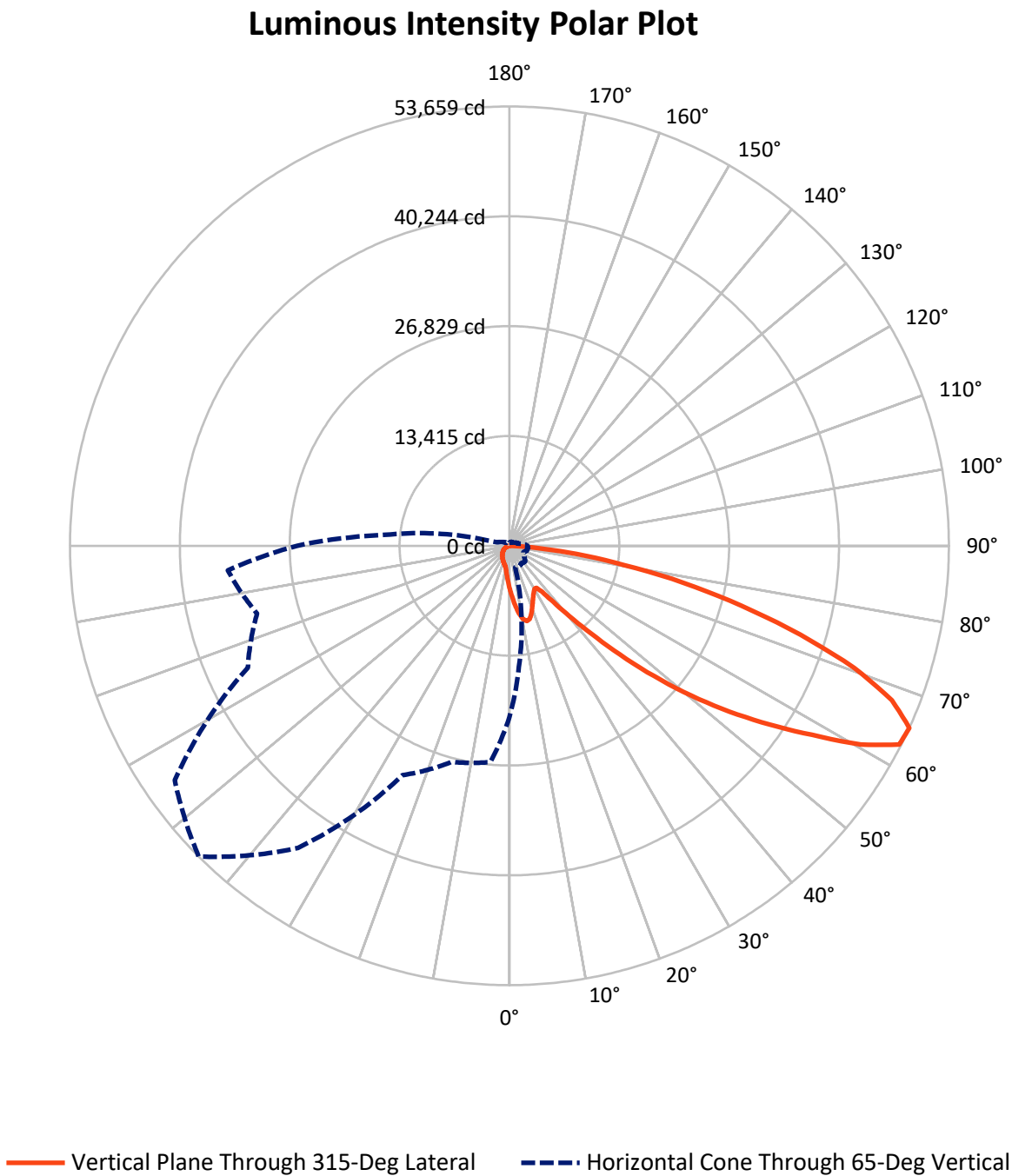


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CATALOG NUMBER: GALN-SB8C-722-U-SLR-HSS



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5346.8	0.0	5346.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	32833.2	0.0	32833.2
	% Fixture	86.0	0.0	86.0
Total	Lumens	38180.0	0.0	38180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.5	1.4
10°-20°	1560.3	4.1
20°-30°	2298.6	6.0
30°-40°	2953.1	7.7
40°-50°	4776.1	12.5
50°-60°	8375.3	21.9
60°-70°	10479.7	27.4
70°-80°	6123.9	16.0
80°-90°	1092.6	2.9
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°	38180.0	100.0
0°-180°	38180.0	100.0

Coefficient of Utilization



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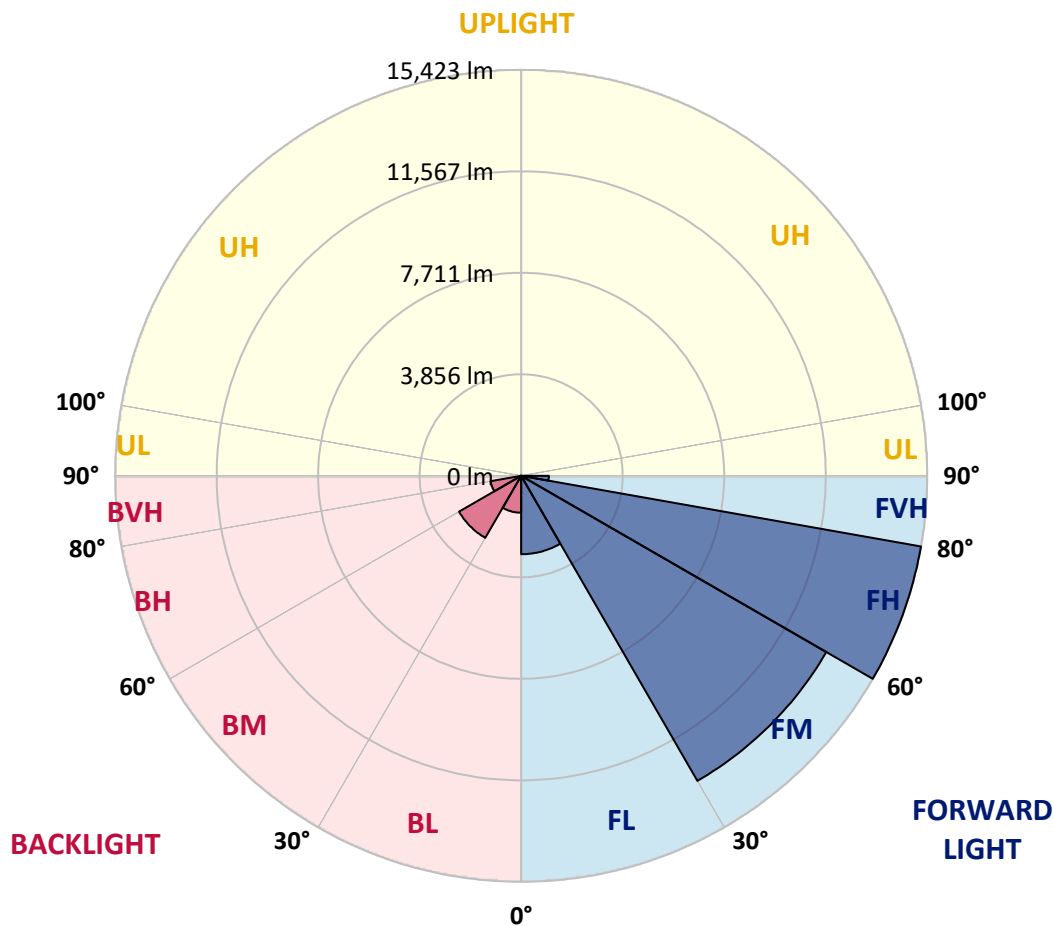
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2977.9	7.8			
FM	(30°-60°)	13381.7	35.0			
FH	(60°-80°)	15423.0	40.4			G5
FVH	(80°-90°)	1050.6	2.8			G5
BL	(0°-30°)	1401.5	3.7	B3/2500		
BM	(30°-60°)	2722.7	7.1	B3/5000		
BH	(60°-80°)	1180.6	3.1	B3/2500		G3/2500
BVH	(80°-90°)	42.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7
2.5°	5973.2	5870.6	5810.1	5660.2	5510.3	5389.3	5226.2	5118.4	4989.5	4865.9	4755.4
5°	6657.0	6491.3	6291.4	6017.9	5768.0	5512.9	5265.7	5021.1	4763.3	4526.6	4381.9
7.5°	7235.7	6996.3	6643.9	6280.9	5962.7	5654.9	5365.6	5042.1	4729.1	4358.2	4161.0
10°	7677.6	7372.5	6909.5	6433.5	6067.9	5757.5	5476.1	5202.5	4886.9	4439.8	4192.5
12.5°	7945.8	7619.7	7070.0	6512.4	6094.2	5747.0	5528.7	5407.7	5284.1	4839.6	4550.3
15°	8143.1	7790.7	7183.1	6567.6	6033.7	5607.6	5447.2	5568.1	5710.2	5426.1	5092.1
17.5°	8348.3	7977.4	7330.4	6591.3	5870.6	5336.7	5268.3	5581.3	5910.1	5896.9	5565.5
20°	8542.9	8174.7	7459.3	6575.5	5607.6	5007.9	5068.4	5468.2	5849.6	6010.0	5831.2
22.5°	8766.5	8377.2	7582.9	6515.0	5265.7	4700.2	4889.5	5289.3	5623.4	5812.7	5757.5
25°	9040.0	8632.3	7756.5	6425.6	4897.4	4445.0	4708.1	5081.6	5352.5	5484.0	5481.3
27.5°	9334.6	8937.4	7987.9	6378.2	4600.2	4263.6	4502.9	4834.3	5076.3	5168.3	5168.3
30°	9700.2	9292.5	8261.5	6325.6	4405.6	4158.4	4289.9	4547.6	4784.3	4876.4	4876.4
32.5°	10100.0	9687.0	8524.5	6199.4	4287.2	4079.4	4082.1	4245.1	4460.8	4571.3	4587.1
35°	10599.7	10160.5	8805.9	5923.2	4192.5	3987.4	3879.5	3958.5	4137.3	4268.8	4303.0
37.5°	11312.5	10781.2	9150.5	5528.7	4053.1	3845.4	3666.5	3684.9	3821.7	3966.3	4019.0
40°	12296.2	11615.0	9555.5	5118.4	3853.2	3645.5	3432.4	3424.5	3524.5	3666.5	3724.4
42.5°	13627.1	12717.0	10042.1	4726.5	3661.2	3403.5	3185.2	3172.0	3250.9	3374.6	3435.0
45°	15384.1	14126.8	10639.2	4389.8	3511.3	3166.8	2951.1	2945.8	3011.6	3119.4	3182.5
47.5°	17632.9	16086.3	11236.2	4161.0	3432.4	2980.0	2759.1	2769.6	2827.5	2924.8	2969.5
50°	20544.5	18640.2	11417.7	4045.3	3432.4	2880.1	2588.1	2640.7	2688.1	2761.7	2788.0
52.5°	24034.8	21091.6	10818.0	3940.0	3453.5	2893.2	2443.5	2556.6	2590.8	2653.9	2664.4
55°	27269.9	22293.6	9300.4	3795.4	3458.7	2974.8	2319.8	2488.2	2551.3	2575.0	2572.3
57.5°	29147.9	21880.7	7519.8	3550.8	3437.7	3030.0	2240.9	2404.0	2525.0	2540.8	2517.1
60°	28790.2	20431.4	5536.6	3364.0	3282.5	3009.0	2217.3	2275.1	2467.1	2490.8	2459.2
62.5°	26033.8	18001.1	3842.7	3219.4	2940.6	2916.9	2209.4	2072.6	2340.9	2398.7	2354.0
65°	20925.9	14171.5	2714.4	2772.2	2577.6	2717.0	2167.3	1862.2	2188.3	2267.2	2198.8
67.5°	15181.5	9589.7	1959.5	2246.2	2335.6	2393.5	2072.6	1709.6	2014.7	2119.9	2030.5
70°	9742.3	5178.9	1375.6	1483.4	1967.4	2033.1	1909.5	1572.9	1838.5	1959.5	1862.2
72.5°	6925.3	3058.9	989.0	1038.9	1580.8	1693.9	1680.7	1420.3	1633.4	1780.6	1664.9
75°	4779.1	1686.0	668.1	741.7	1146.8	1375.6	1296.7	1220.4	1383.5	1533.4	1420.3
77.5°	2995.8	754.9	399.8	515.5	752.2	1081.0	889.0	944.2	1078.4	1217.8	1099.4
80°	1667.5	292.0	223.6	341.9	410.3	786.4	491.8	607.6	794.3	894.3	799.6
82.5°	363.0	36.8	99.9	147.3	160.4	457.7	260.4	352.4	499.7	491.8	426.1
85°	0.0	0.0	18.4	21.0	10.5	197.3	94.7	115.7	163.1	152.6	115.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7
2.5°	4734.4	4605.5	4510.8	4463.5	4424.0	4460.8	4481.9	4481.9	4571.3	4623.9	4644.9
5°	4289.9	4058.4	3882.2	3763.8	3692.8	3716.5	3742.8	3771.7	3884.8	3961.1	4011.1
7.5°	3982.1	3627.1	3358.8	3193.1	3106.3	3119.4	3137.8	3161.5	3272.0	3348.2	3414.0
10°	3924.3	3414.0	3035.3	2816.9	2711.7	2693.3	2682.8	2674.9	2740.7	2798.5	2851.1
12.5°	4161.0	3424.5	2895.9	2630.2	2501.3	2446.1	2383.0	2333.0	2343.5	2380.3	2446.1
15°	4584.4	3558.7	2851.1	2532.9	2372.4	2280.4	2206.7	2146.2	2133.1	2146.2	2156.8
17.5°	5068.4	3740.1	2845.9	2448.7	2248.8	2154.1	2093.6	2038.4	2020.0	2022.6	2035.8
20°	5389.3	3884.8	2830.1	2354.0	2130.5	2046.3	1993.7	1938.5	1920.0	1925.3	1927.9
22.5°	5420.8	3961.1	2806.4	2248.8	2012.1	1941.1	1888.5	1838.5	1835.9	1835.9	1851.7
25°	5249.9	3961.1	2756.5	2154.1	1899.0	1835.9	1788.5	1728.0	1738.6	1743.8	1764.9
27.5°	4984.2	3866.4	2661.8	2077.9	1801.7	1735.9	1688.6	1633.4	1646.5	1654.4	1678.1
30°	4721.2	3745.4	2548.7	1991.1	1709.6	1633.4	1599.2	1551.8	1557.1	1567.6	1593.9
32.5°	4476.6	3616.5	2414.5	1920.0	1617.6	1541.3	1515.0	1462.4	1470.3	1480.8	1509.7
35°	4234.6	3474.5	2256.7	1835.9	1533.4	1457.1	1436.1	1375.6	1380.9	1396.6	1428.2
37.5°	3974.2	3324.6	2127.8	1751.7	1451.9	1373.0	1351.9	1288.8	1294.1	1312.5	1349.3
40°	3700.7	3177.3	2001.6	1662.3	1365.1	1286.2	1267.8	1199.4	1204.6	1225.7	1265.1
42.5°	3424.5	3016.8	1904.3	1546.6	1275.6	1191.5	1173.1	1109.9	1117.8	1141.5	1181.0
45°	3169.4	2824.8	1841.1	1417.7	1191.5	1096.8	1078.4	1020.5	1036.3	1062.6	1102.1
47.5°	2951.1	2627.6	1814.8	1309.8	1102.1	999.5	983.7	936.4	962.7	991.6	1023.1
50°	2764.3	2438.2	1780.6	1199.4	1017.9	915.3	899.5	868.0	902.2	931.1	960.0
52.5°	2630.2	2222.5	1707.0	1099.4	944.2	844.3	839.0	823.3	854.8	881.1	907.4
55°	2514.5	1999.0	1588.6	1012.6	878.5	783.8	789.1	781.2	807.5	828.5	852.2
57.5°	2409.3	1804.3	1438.7	944.2	807.5	731.2	747.0	736.5	749.6	762.8	791.7
60°	2283.0	1607.1	1259.9	868.0	723.3	678.6	697.0	668.1	665.4	670.7	678.6
62.5°	2096.3	1341.4	1073.1	773.3	649.7	620.7	628.6	573.4	531.3	531.3	539.2
65°	1835.9	1078.4	899.5	668.1	565.5	541.8	536.6	457.7	399.8	394.5	418.2
67.5°	1533.4	886.4	747.0	562.9	470.8	455.0	460.3	402.4	344.6	339.3	365.6
70°	1249.3	733.8	602.3	449.8	363.0	378.7	402.4	344.6	289.3	281.4	305.1
72.5°	1015.3	583.9	470.8	344.6	268.3	313.0	341.9	281.4	228.8	223.6	244.6
75°	783.8	428.7	336.7	234.1	194.6	242.0	268.3	205.2	163.1	155.2	173.6
77.5°	523.4	265.7	189.4	147.3	115.7	165.7	178.9	107.8	94.7	92.1	105.2
80°	318.3	123.6	81.5	71.0	39.5	60.5	71.0	44.7	50.0	52.6	63.1
82.5°	160.4	34.2	13.2	2.6	0.0	0.0	21.0	10.5	21.0	26.3	39.5
85°	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	13.2	23.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7
2.5°	4792.2	4902.7	5007.9	5176.2	5349.8	5520.8	5694.4	5862.7	5923.2	5967.9	6067.9
5°	4239.9	4447.7	4689.7	5023.7	5381.4	5749.6	6123.1	6465.0	6620.2	6725.4	6962.1
7.5°	3669.1	3940.0	4287.2	4789.6	5349.8	5936.4	6522.9	7062.1	7312.0	7514.5	7874.8
10°	3103.6	3398.2	3837.5	4410.9	5168.3	6010.0	6820.1	7561.8	7885.3	8140.5	8629.7
12.5°	2606.5	2882.7	3343.0	3976.9	4884.3	5952.1	6991.1	7882.7	8264.1	8550.8	9087.4
15°	2256.7	2451.3	2859.0	3542.9	4547.6	5765.4	7001.6	8035.3	8453.5	8753.3	9218.9
17.5°	2062.1	2127.8	2393.5	3101.0	4174.1	5520.8	6904.3	8087.9	8535.0	8813.8	9137.3
20°	1956.9	1967.4	2041.0	2527.6	3695.4	5292.0	6812.2	8140.5	8611.3	8845.4	8942.7
22.5°	1872.7	1872.7	1891.1	2067.3	3077.3	5018.4	6783.3	8232.5	8716.5	8861.2	8661.3
25°	1796.4	1796.4	1801.7	1849.0	2438.2	4600.2	6764.9	8374.6	8861.2	8900.6	8350.9
27.5°	1717.5	1720.2	1720.2	1746.5	1964.8	4032.1	6686.0	8558.7	9034.7	8953.2	8053.7
30°	1638.6	1643.9	1643.9	1662.3	1738.6	3366.7	6530.8	8779.6	9260.9	9021.6	7759.1
32.5°	1559.7	1565.0	1565.0	1580.8	1636.0	2688.1	6336.2	8982.1	9489.8	9050.5	7485.6
35°	1478.2	1486.1	1480.8	1501.8	1559.7	2138.4	6088.9	9184.7	9737.0	9142.6	7351.4
37.5°	1396.6	1401.9	1399.3	1420.3	1486.1	1846.4	5802.2	9337.2	10073.7	9347.7	7511.9
40°	1315.1	1312.5	1312.5	1336.1	1407.2	1762.2	5441.9	9579.2	10557.6	9708.1	8211.5
42.5°	1230.9	1230.9	1225.7	1252.0	1338.8	1699.1	5097.3	10013.2	11262.5	10281.5	9453.0
45°	1154.7	1152.0	1141.5	1165.2	1273.0	1588.6	4976.3	10823.3	12304.1	11209.9	10954.8
47.5°	1081.0	1078.4	1052.1	1073.1	1194.1	1488.7	5428.7	12148.9	13748.1	12575.0	12362.0
50°	1015.3	1017.9	967.9	986.3	1115.2	1412.4	6409.8	13869.1	15665.5	14413.5	13695.5
52.5°	954.8	954.8	889.0	899.5	1017.9	1344.0	7343.5	15733.9	18195.7	16978.0	15249.9
55°	894.3	889.0	815.4	820.6	920.6	1246.7	7482.9	17554.0	21646.6	20836.5	17375.1
57.5°	825.9	815.4	747.0	747.0	831.1	1175.7	6486.1	18953.2	25928.5	26507.2	20439.3
60°	741.7	733.8	689.1	676.0	760.1	1238.8	4576.6	19116.3	28690.3	34048.0	26307.3
62.5°	633.9	644.4	620.7	602.3	691.7	1286.2	2711.7	17803.8	28022.2	36446.7	33335.2
65°	499.7	541.8	536.6	523.4	760.1	1083.6	1601.8	15284.1	25973.3	34510.9	31901.7
67.5°	426.1	455.0	447.1	447.1	797.0	823.3	1007.4	11941.1	23153.7	32214.7	28495.6
70°	363.0	391.9	363.0	363.0	602.3	499.7	697.0	8337.7	20110.5	29674.0	26259.9
72.5°	299.8	328.8	297.2	276.2	481.3	373.5	510.3	5210.4	17222.6	27028.0	24729.2
75°	228.8	263.0	239.3	213.0	318.3	278.8	386.6	3027.4	14268.9	23124.7	22548.7
77.5°	144.7	189.4	178.9	149.9	234.1	202.5	278.8	1801.7	11010.0	18069.5	19395.1
80°	89.4	97.3	99.9	94.7	134.1	136.8	189.4	1025.8	7535.5	12593.4	15152.6
82.5°	57.9	57.9	44.7	50.0	65.8	78.9	107.8	386.6	4429.3	7667.0	10547.1
85°	42.1	36.8	23.7	23.7	31.6	39.5	42.1	118.4	1796.4	3027.4	4124.2
87.5°	21.0	18.4	7.9	10.5	15.8	13.2	10.5	5.3	452.4	967.9	678.6
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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7	5286.7
2.5°	6120.5	6202.0	6207.3	6207.3	6136.3	6133.6	5989.0	5973.2
5°	7206.8	7259.4	7272.5	7246.2	7104.2	6999.0	6717.5	6657.0
7.5°	8201.0	8306.2	8306.2	8243.1	8011.6	7795.9	7388.2	7235.7
10°	8995.3	9116.3	9090.0	8961.1	8669.1	8371.9	7877.5	7677.6
12.5°	9381.9	9505.6	9437.2	9289.9	9005.8	8692.8	8172.0	7945.8
15°	9374.0	9339.9	9268.8	9250.4	9113.7	8876.9	8390.3	8143.1
17.5°	9040.0	8750.7	8695.5	8879.6	9053.2	8995.3	8579.7	8348.3
20°	8511.3	8006.3	7956.4	8308.8	8803.3	9055.8	8755.9	8542.9
22.5°	7953.7	7409.3	7293.6	7682.8	8427.2	9074.2	8979.5	8766.5
25°	7425.1	6878.0	6762.3	7125.2	8009.0	9042.6	9221.5	9040.0
27.5°	6983.2	6454.5	6346.7	6709.6	7606.5	8953.2	9463.5	9334.6
30°	6641.3	6152.0	6073.1	6423.0	7259.4	8842.7	9771.2	9700.2
32.5°	6441.4	6083.7	6112.6	6399.3	7072.6	8721.8	10065.8	10100.0
35°	6638.6	6654.4	6906.9	7025.3	7246.2	8703.3	10465.6	10599.7
37.5°	7619.7	8166.8	8690.2	8592.9	8095.8	8916.4	11062.6	11312.5
40°	9289.9	10413.0	11262.5	10891.7	9639.7	9568.7	11922.7	12296.2
42.5°	11330.9	13235.2	14634.5	13640.2	11630.8	10710.2	13151.0	13627.1
45°	13485.1	16714.9	18919.1	16851.7	13753.3	12309.4	15010.6	15384.1
47.5°	15754.9	20944.3	23795.4	20413.0	15720.7	14129.5	17546.1	17632.9
50°	18237.8	25581.4	28766.5	23971.7	17619.7	16215.2	20644.5	20544.5
52.5°	20602.4	30349.9	33632.4	27546.1	19287.3	18803.3	24240.0	24034.8
55°	22859.1	35115.8	38527.2	30981.2	20860.1	22222.6	28511.4	27269.9
57.5°	25476.1	39400.4	43571.9	34432.0	23059.0	26662.4	33287.9	29147.9
60°	29345.2	44268.9	49276.9	39161.1	27241.0	31328.3	35000.1	28790.2
62.5°	34284.7	48745.6	53424.7	43795.5	31441.4	32206.8	32477.7	26033.8
65°	35244.7	49879.2	53658.8	45034.3	30899.6	27319.9	26515.1	20925.9
67.5°	32698.7	47830.2	50386.8	42727.7	27333.1	21112.6	19897.5	15181.5
70°	29842.3	43924.4	44684.5	38806.0	24040.1	15528.7	13437.7	9742.3
72.5°	26914.9	38714.0	37141.1	33700.8	21128.4	11307.2	9692.3	6925.3
75°	23437.7	31862.3	29255.7	28001.1	17493.5	8874.3	7012.1	4779.1
77.5°	18769.1	22427.7	21730.7	21704.4	13145.8	6483.5	4679.1	2995.8
80°	13240.4	14555.5	14200.5	16346.7	8819.1	4702.8	2816.9	1667.5
82.5°	6409.8	8048.4	8261.5	9734.4	4289.9	2767.0	649.7	363.0
85°	2509.2	3882.2	3274.6	3695.4	1204.6	770.6	15.8	0.0
87.5°	281.4	449.8	412.9	326.1	147.3	31.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)