

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: P952338

Luminaire Tested: **GALN-SB6B-722-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952338
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-SB6B-722-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA 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: 21528 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 220.4
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

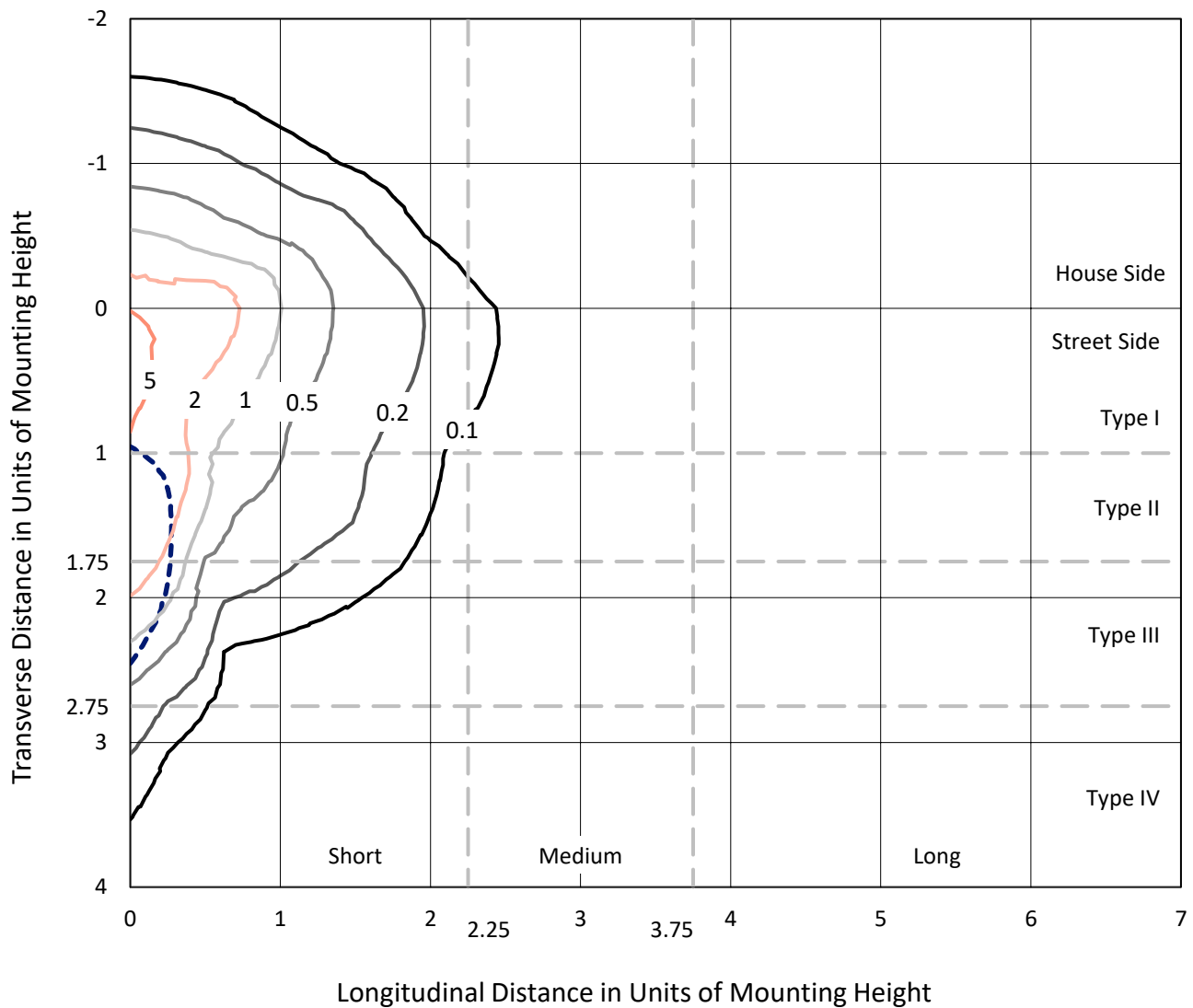


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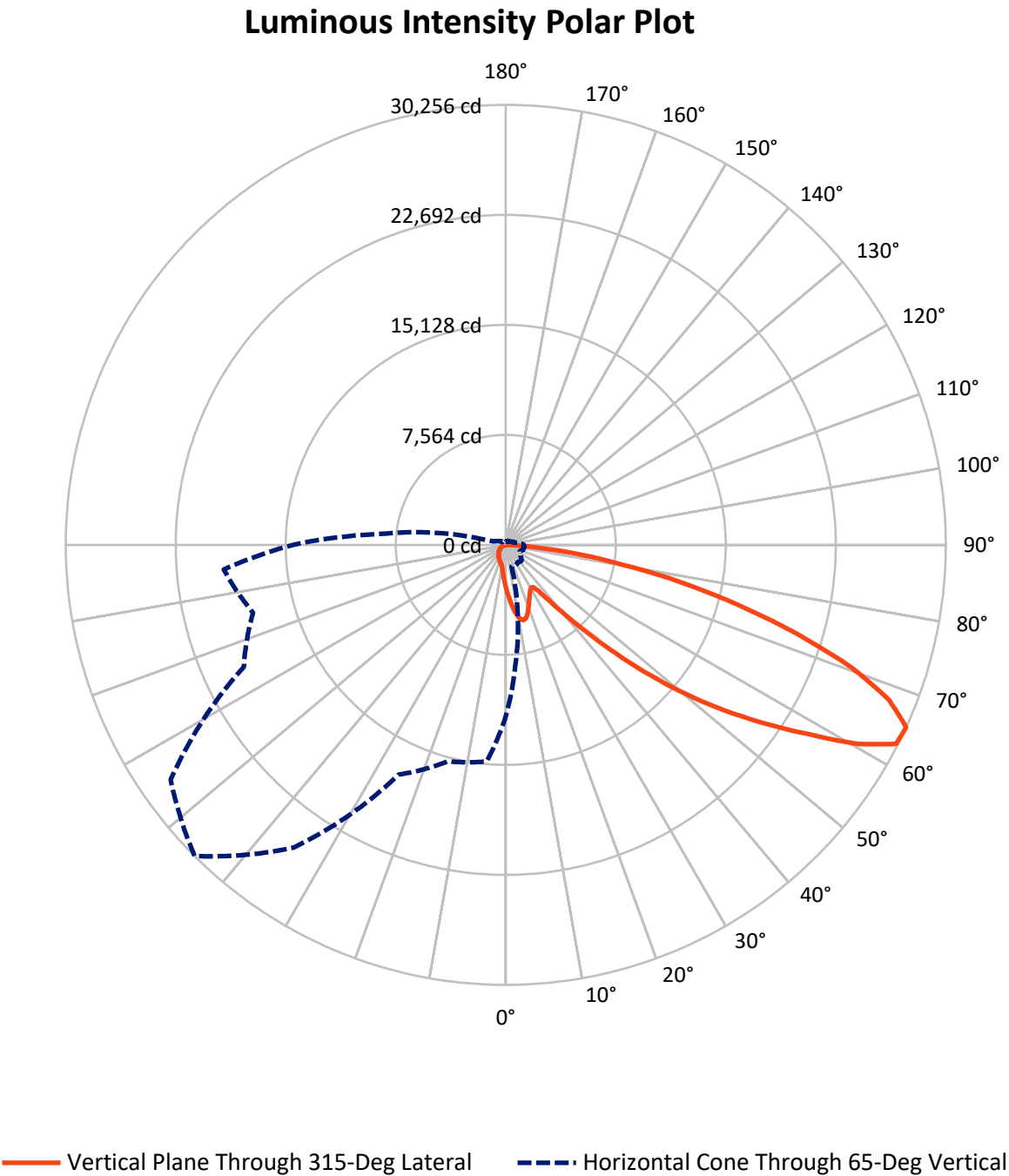
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3014.8	0.0	3014.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	18513.2	0.0	18513.2
	% Fixture	86.0	0.0	86.0
Total	Lumens	21528.0	0.0	21528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.5	1.4
10°-20°	879.8	4.1
20°-30°	1296.1	6.0
30°-40°	1665.1	7.7
40°-50°	2693.0	12.5
50°-60°	4722.4	21.9
60°-70°	5909.1	27.4
70°-80°	3453.0	16.0
80°-90°	616.1	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°	21528.0	100.0
0°-180°	21528.0	100.0

Coefficient of Utilization



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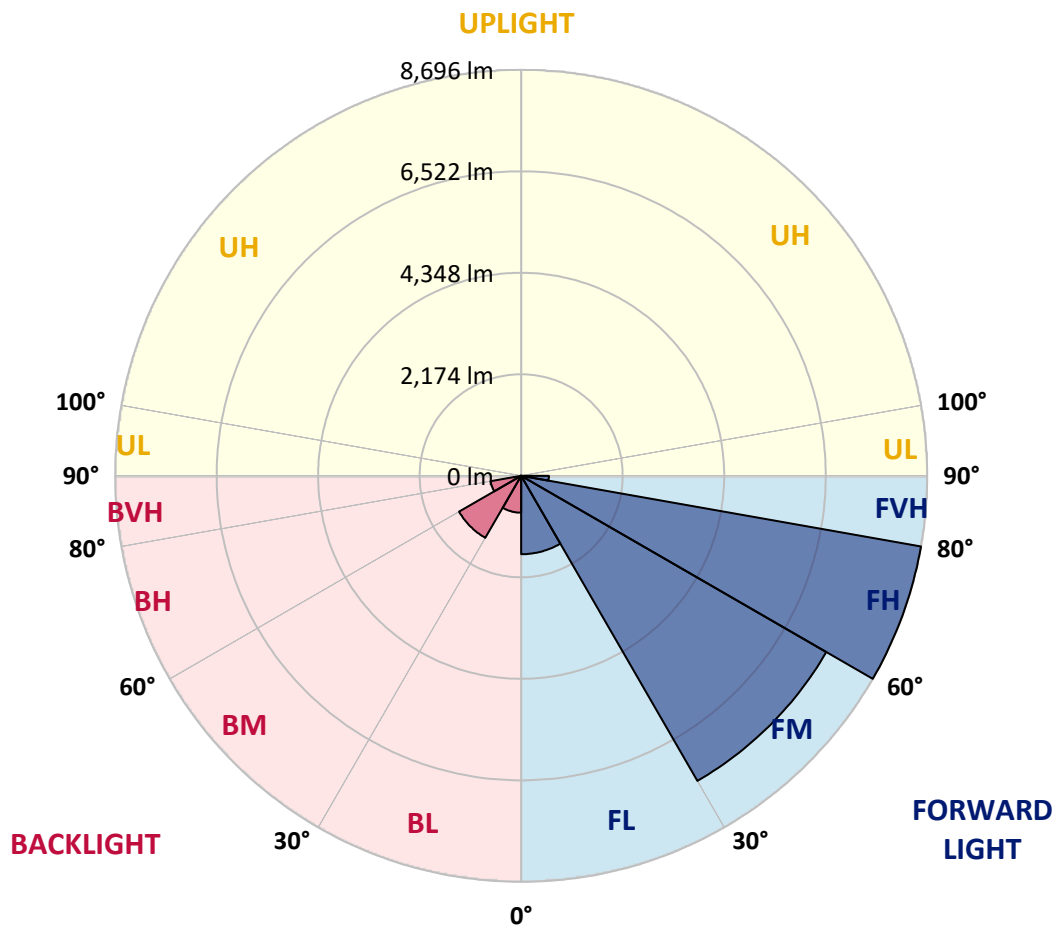
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1679.1	7.8			
FM	(30°-60°)	7545.3	35.0			
FH	(60°-80°)	8696.3	40.4			G4/12000
FVH	(80°-90°)	592.4	2.8			G4/750
BL	(0°-30°)	790.2	3.7	B2/1000		
BM	(30°-60°)	1535.2	7.1	B2/2500		
BH	(60°-80°)	665.7	3.1	B2/1000		G2/1000
BVH	(80°-90°)	23.7	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9
2.5°	3368.0	3310.2	3276.1	3191.5	3107.0	3038.8	2946.8	2886.0	2813.4	2743.7	2681.4
5°	3753.6	3660.2	3547.5	3393.2	3252.3	3108.5	2969.1	2831.2	2685.8	2552.3	2470.8
7.5°	4079.9	3944.9	3746.2	3541.5	3362.1	3188.6	3025.4	2843.0	2666.5	2457.4	2346.2
10°	4329.0	4157.0	3896.0	3627.6	3421.4	3246.4	3087.7	2933.5	2755.5	2503.4	2364.0
12.5°	4480.3	4296.4	3986.4	3672.0	3436.2	3240.5	3117.4	3049.2	2979.5	2728.8	2565.7
15°	4591.5	4392.8	4050.2	3703.2	3402.1	3161.9	3071.4	3139.6	3219.7	3059.5	2871.2
17.5°	4707.2	4498.1	4133.3	3716.5	3310.2	3009.1	2970.6	3147.0	3332.4	3325.0	3138.1
20°	4817.0	4609.3	4205.9	3707.6	3161.9	2823.7	2857.8	3083.3	3298.3	3388.8	3287.9
22.5°	4943.0	4723.5	4275.6	3673.5	2969.1	2650.2	2757.0	2982.4	3170.8	3277.6	3246.4
25°	5097.3	4867.4	4373.5	3623.1	2761.4	2506.4	2654.7	2865.3	3018.0	3092.2	3090.7
27.5°	5263.4	5039.4	4504.0	3596.4	2593.9	2404.0	2539.0	2725.9	2862.3	2914.2	2914.2
30°	5469.5	5239.6	4658.3	3566.7	2484.1	2344.7	2418.9	2564.2	2697.7	2749.6	2749.6
32.5°	5694.9	5462.1	4806.6	3495.6	2417.4	2300.2	2301.7	2393.6	2515.3	2577.5	2586.4
35°	5976.7	5729.0	4965.3	3339.8	2364.0	2248.3	2187.5	2232.0	2332.8	2407.0	2426.3
37.5°	6378.6	6079.0	5159.5	3117.4	2285.4	2168.2	2067.4	2077.8	2154.9	2236.4	2266.1
40°	6933.3	6549.2	5387.9	2886.0	2172.7	2055.5	1935.4	1930.9	1987.3	2067.4	2100.0
42.5°	7683.7	7170.6	5662.3	2665.0	2064.4	1919.1	1796.0	1788.6	1833.1	1902.8	1936.9
45°	8674.4	7965.5	5999.0	2475.2	1979.9	1785.6	1664.0	1661.0	1698.1	1758.9	1794.5
47.5°	9942.4	9070.4	6335.6	2346.2	1935.4	1680.3	1555.7	1561.7	1594.3	1649.2	1674.4
50°	11584.1	10510.4	6437.9	2280.9	1935.4	1623.9	1459.3	1489.0	1515.7	1557.2	1572.0
52.5°	13552.2	11892.6	6099.8	2221.6	1947.3	1631.4	1377.8	1441.5	1460.8	1496.4	1502.3
55°	15376.3	12570.4	5244.1	2140.0	1950.2	1677.3	1308.1	1403.0	1438.6	1451.9	1450.4
57.5°	16435.2	12337.5	4240.1	2002.1	1938.4	1708.5	1263.6	1355.5	1423.7	1432.6	1419.3
60°	16233.5	11520.4	3121.8	1896.8	1850.9	1696.6	1250.2	1282.8	1391.1	1404.5	1386.7
62.5°	14679.3	10150.0	2166.7	1815.3	1658.1	1644.7	1245.8	1168.6	1319.9	1352.5	1327.3
65°	11799.2	7990.7	1530.5	1563.1	1453.4	1532.0	1222.0	1050.0	1233.9	1278.4	1239.8
67.5°	8560.2	5407.2	1104.9	1266.5	1317.0	1349.6	1168.6	964.0	1136.0	1195.3	1144.9
70°	5493.2	2920.1	775.6	836.4	1109.3	1146.4	1076.7	886.9	1036.7	1104.9	1050.0
72.5°	3904.9	1724.8	557.6	585.8	891.3	955.1	947.7	800.8	921.0	1004.0	938.8
75°	2694.7	950.6	376.7	418.2	646.6	775.6	731.1	688.1	780.1	864.6	800.8
77.5°	1689.2	425.6	225.4	290.7	424.2	609.5	501.3	532.4	608.1	686.7	619.9
80°	940.3	164.6	126.1	192.8	231.4	443.4	277.3	342.6	447.9	504.2	450.8
82.5°	204.7	20.8	56.4	83.1	90.5	258.1	146.8	198.7	281.8	277.3	240.3
85°	0.0	0.0	10.4	11.9	5.9	111.2	53.4	65.3	91.9	86.0	65.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9
2.5°	2669.5	2596.8	2543.4	2516.7	2494.5	2515.3	2527.1	2527.1	2577.5	2607.2	2619.1
5°	2418.9	2288.4	2189.0	2122.3	2082.2	2095.6	2110.4	2126.7	2190.5	2233.5	2261.7
7.5°	2245.3	2045.1	1893.9	1800.4	1751.5	1758.9	1769.3	1782.6	1844.9	1887.9	1925.0
10°	2212.7	1925.0	1711.4	1588.4	1529.0	1518.6	1512.7	1508.3	1545.3	1578.0	1607.6
12.5°	2346.2	1930.9	1632.8	1483.1	1410.4	1379.2	1343.6	1315.5	1321.4	1342.2	1379.2
15°	2585.0	2006.6	1607.6	1428.2	1337.7	1285.8	1244.3	1210.2	1202.8	1210.2	1216.1
17.5°	2857.8	2108.9	1604.7	1380.7	1268.0	1214.6	1180.5	1149.4	1139.0	1140.5	1147.9
20°	3038.8	2190.5	1595.8	1327.3	1201.3	1153.8	1124.2	1093.0	1082.6	1085.6	1087.1
22.5°	3056.6	2233.5	1582.4	1268.0	1134.5	1094.5	1064.8	1036.7	1035.2	1035.2	1044.1
25°	2960.2	2233.5	1554.2	1214.6	1070.8	1035.2	1008.5	974.4	980.3	983.3	995.1
27.5°	2810.4	2180.1	1500.9	1171.6	1015.9	978.8	952.1	921.0	928.4	932.8	946.2
30°	2662.1	2111.9	1437.1	1122.7	964.0	921.0	901.7	875.0	878.0	883.9	898.7
32.5°	2524.2	2039.2	1361.4	1082.6	912.1	869.1	854.2	824.6	829.0	835.0	851.3
35°	2387.7	1959.1	1272.5	1035.2	864.6	821.6	809.7	775.6	778.6	787.5	805.3
37.5°	2240.9	1874.6	1199.8	987.7	818.6	774.2	762.3	726.7	729.7	740.0	760.8
40°	2086.7	1791.5	1128.6	937.3	769.7	725.2	714.8	676.3	679.2	691.1	713.3
42.5°	1930.9	1701.1	1073.7	872.0	719.3	671.8	661.4	625.8	630.3	643.6	665.9
45°	1787.1	1592.8	1038.1	799.4	671.8	618.4	608.1	575.4	584.3	599.2	621.4
47.5°	1664.0	1481.6	1023.3	738.6	621.4	563.6	554.7	528.0	542.8	559.1	576.9
50°	1558.7	1374.8	1004.0	676.3	573.9	516.1	507.2	489.4	508.7	525.0	541.3
52.5°	1483.1	1253.2	962.5	619.9	532.4	476.1	473.1	464.2	482.0	496.8	511.7
55°	1417.8	1127.1	895.8	571.0	495.3	442.0	444.9	440.5	455.3	467.2	480.5
57.5°	1358.5	1017.4	811.2	532.4	455.3	412.3	421.2	415.3	422.7	430.1	446.4
60°	1287.3	906.1	710.4	489.4	407.8	382.6	393.0	376.7	375.2	378.2	382.6
62.5°	1182.0	756.4	605.1	436.0	366.3	350.0	354.4	323.3	299.6	299.6	304.0
65°	1035.2	608.1	507.2	376.7	318.9	305.5	302.5	258.1	225.4	222.5	235.8
67.5°	864.6	499.8	421.2	317.4	265.5	256.6	259.5	226.9	194.3	191.3	206.1
70°	704.5	413.8	339.6	253.6	204.7	213.6	226.9	194.3	163.1	158.7	172.0
72.5°	572.5	329.2	265.5	194.3	151.3	176.5	192.8	158.7	129.0	126.1	137.9
75°	442.0	241.7	189.8	132.0	109.7	136.4	151.3	115.7	91.9	87.5	97.9
77.5°	295.1	149.8	106.8	83.1	65.3	93.4	100.8	60.8	53.4	51.9	59.3
80°	179.4	69.7	46.0	40.0	22.2	34.1	40.0	25.2	28.2	29.7	35.6
82.5°	90.5	19.3	7.4	1.5	0.0	0.0	11.9	5.9	11.9	14.8	22.2
85°	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	7.4	13.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9
2.5°	2702.1	2764.4	2823.7	2918.7	3016.5	3112.9	3210.8	3305.7	3339.8	3365.1	3421.4
5°	2390.7	2507.8	2644.3	2832.6	3034.3	3242.0	3452.6	3645.3	3732.8	3792.2	3925.6
7.5°	2068.9	2221.6	2417.4	2700.6	3016.5	3347.3	3678.0	3982.0	4122.9	4237.1	4440.3
10°	1750.0	1916.1	2163.8	2487.1	2914.2	3388.8	3845.6	4263.8	4446.2	4590.1	4865.9
12.5°	1469.7	1625.4	1885.0	2242.4	2754.0	3356.2	3942.0	4444.7	4659.8	4821.4	5124.0
15°	1272.5	1382.2	1612.1	1997.7	2564.2	3250.9	3947.9	4530.7	4766.5	4935.6	5198.1
17.5°	1162.7	1199.8	1349.6	1748.5	2353.6	3112.9	3893.0	4560.4	4812.5	4969.7	5152.1
20°	1103.4	1109.3	1150.9	1425.2	2083.7	2983.9	3841.1	4590.1	4855.5	4987.5	5042.4
22.5°	1055.9	1055.9	1066.3	1165.7	1735.2	2829.7	3824.8	4642.0	4914.8	4996.4	4883.7
25°	1012.9	1012.9	1015.9	1042.6	1374.8	2593.9	3814.4	4722.0	4996.4	5018.7	4708.7
27.5°	968.4	969.9	969.9	984.7	1107.8	2273.5	3769.9	4825.9	5094.3	5048.3	4541.1
30°	923.9	926.9	926.9	937.3	980.3	1898.3	3682.4	4950.4	5221.8	5086.9	4375.0
32.5°	879.5	882.4	882.4	891.3	922.5	1515.7	3572.7	5064.6	5350.9	5103.2	4220.8
35°	833.5	837.9	835.0	846.8	879.5	1205.7	3433.3	5178.8	5490.3	5155.1	4145.1
37.5°	787.5	790.5	789.0	800.8	837.9	1041.1	3271.6	5264.8	5680.1	5270.8	4235.6
40°	741.5	740.0	740.0	753.4	793.4	993.6	3068.4	5401.3	5953.0	5474.0	4630.1
42.5°	694.1	694.1	691.1	705.9	754.9	958.1	2874.2	5646.0	6350.4	5797.3	5330.1
45°	651.1	649.6	643.6	657.0	717.8	895.8	2805.9	6102.8	6937.7	6320.8	6176.9
47.5°	609.5	608.1	593.2	605.1	673.3	839.4	3061.0	6850.2	7751.9	7090.5	6970.4
50°	572.5	573.9	545.8	556.1	628.8	796.4	3614.2	7820.1	8833.1	8127.1	7722.3
52.5°	538.3	538.3	501.3	507.2	573.9	757.8	4140.7	8871.6	10259.8	9573.1	8598.7
55°	504.2	501.3	459.7	462.7	519.1	703.0	4219.3	9897.9	12205.5	11748.8	9797.1
57.5°	465.7	459.7	421.2	421.2	468.6	662.9	3657.2	10686.9	14619.9	14946.2	11524.8
60°	418.2	413.8	388.6	381.1	428.6	698.5	2580.5	10778.8	16177.2	19198.1	14833.5
62.5°	357.4	363.3	350.0	339.6	390.0	725.2	1529.0	10038.8	15800.5	20550.7	18796.2
65°	281.8	305.5	302.5	295.1	428.6	611.0	903.2	8618.0	14645.2	19459.2	17988.0
67.5°	240.3	256.6	252.1	252.1	449.4	464.2	568.0	6733.1	13055.3	18164.4	16067.4
70°	204.7	221.0	204.7	204.7	339.6	281.8	393.0	4701.3	11339.4	16731.8	14806.8
72.5°	169.1	185.4	167.6	155.7	271.4	210.6	287.7	2937.9	9711.0	15239.9	13943.7
75°	129.0	148.3	135.0	120.1	179.4	157.2	218.0	1707.0	8045.6	13039.0	12714.2
77.5°	81.6	106.8	100.8	84.5	132.0	114.2	157.2	1015.9	6208.1	10188.6	10936.0
80°	50.4	54.9	56.4	53.4	75.6	77.1	106.8	578.4	4249.0	7100.9	8543.9
82.5°	32.6	32.6	25.2	28.2	37.1	44.5	60.8	218.0	2497.5	4323.1	5947.0
85°	23.7	20.8	13.3	13.3	17.8	22.2	23.7	66.7	1012.9	1707.0	2325.4
87.5°	11.9	10.4	4.4	5.9	8.9	7.4	5.9	3.0	255.1	545.8	382.6
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°	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9	2980.9
2.5°	3451.1	3497.0	3500.0	3500.0	3460.0	3458.5	3376.9	3368.0
5°	4063.6	4093.2	4100.6	4085.8	4005.7	3946.4	3787.7	3753.6
7.5°	4624.2	4683.5	4683.5	4647.9	4517.4	4395.8	4165.9	4079.9
10°	5072.0	5140.3	5125.4	5052.8	4888.1	4720.6	4441.7	4329.0
12.5°	5290.1	5359.8	5321.2	5238.1	5078.0	4901.5	4607.8	4480.3
15°	5285.6	5266.3	5226.3	5215.9	5138.8	5005.3	4730.9	4591.5
17.5°	5097.3	4934.1	4903.0	5006.8	5104.7	5072.0	4837.7	4707.2
20°	4799.2	4514.4	4486.2	4685.0	4963.8	5106.2	4937.1	4817.0
22.5°	4484.8	4177.8	4112.5	4332.0	4751.7	5116.5	5063.1	4943.0
25°	4186.7	3878.2	3812.9	4017.6	4515.9	5098.7	5199.6	5097.3
27.5°	3937.5	3639.4	3578.6	3783.3	4289.0	5048.3	5336.0	5263.4
30°	3744.7	3468.9	3424.4	3621.6	4093.2	4986.0	5509.5	5469.5
32.5°	3632.0	3430.3	3446.6	3608.3	3987.9	4917.8	5675.6	5694.9
35°	3743.2	3752.1	3894.5	3961.2	4085.8	4907.4	5901.1	5976.7
37.5°	4296.4	4604.9	4900.0	4845.1	4564.8	5027.6	6237.7	6378.6
40°	5238.1	5871.4	6350.4	6141.3	5435.4	5395.4	6722.7	6933.3
42.5°	6389.0	7462.7	8251.7	7691.1	6558.1	6039.0	7415.3	7683.7
45°	7603.6	9424.8	10667.6	9501.9	7754.9	6940.7	8463.8	8674.4
47.5°	8883.5	11809.6	13417.2	11510.0	8864.2	7967.0	9893.5	9942.4
50°	10283.5	14424.2	16220.2	13516.6	9935.0	9143.0	11640.5	11584.1
52.5°	11616.8	17113.0	18963.8	15532.0	10875.2	10602.4	13667.8	13552.2
55°	12889.2	19800.3	21723.8	17468.9	11762.1	12530.3	16076.3	15376.3
57.5°	14364.9	22216.2	24568.3	19414.7	13001.9	15033.7	18769.5	16435.2
60°	16546.4	24961.3	27785.0	22081.2	15360.0	17664.7	19735.0	16233.5
62.5°	19331.6	27485.4	30123.8	24694.3	17728.4	18160.0	18312.8	14679.3
65°	19872.9	28124.6	30255.8	25392.9	17422.9	15404.5	14950.7	11799.2
67.5°	18437.3	26969.3	28410.9	24092.2	15411.9	11904.5	11219.3	8560.2
70°	16826.7	24767.0	25195.6	21881.0	13555.1	8756.0	7576.9	5493.2
72.5°	15176.1	21829.1	20942.2	19002.4	11913.4	6375.7	5465.1	3904.9
75°	13215.5	17965.7	16496.0	15788.6	9863.8	5003.8	3953.8	2694.7
77.5°	10583.1	12646.0	12253.0	12238.2	7412.3	3655.7	2638.4	1689.2
80°	7465.7	8207.2	8007.0	9217.2	4972.7	2651.7	1588.4	940.3
82.5°	3614.2	4538.1	4658.3	5488.8	2418.9	1560.2	366.3	204.7
85°	1414.8	2189.0	1846.4	2083.7	679.2	434.5	8.9	0.0
87.5°	158.7	253.6	232.8	183.9	83.1	17.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)