

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: P953533

Luminaire Tested: **GALN-SB7A-760-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953533  
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-SB7A-760-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

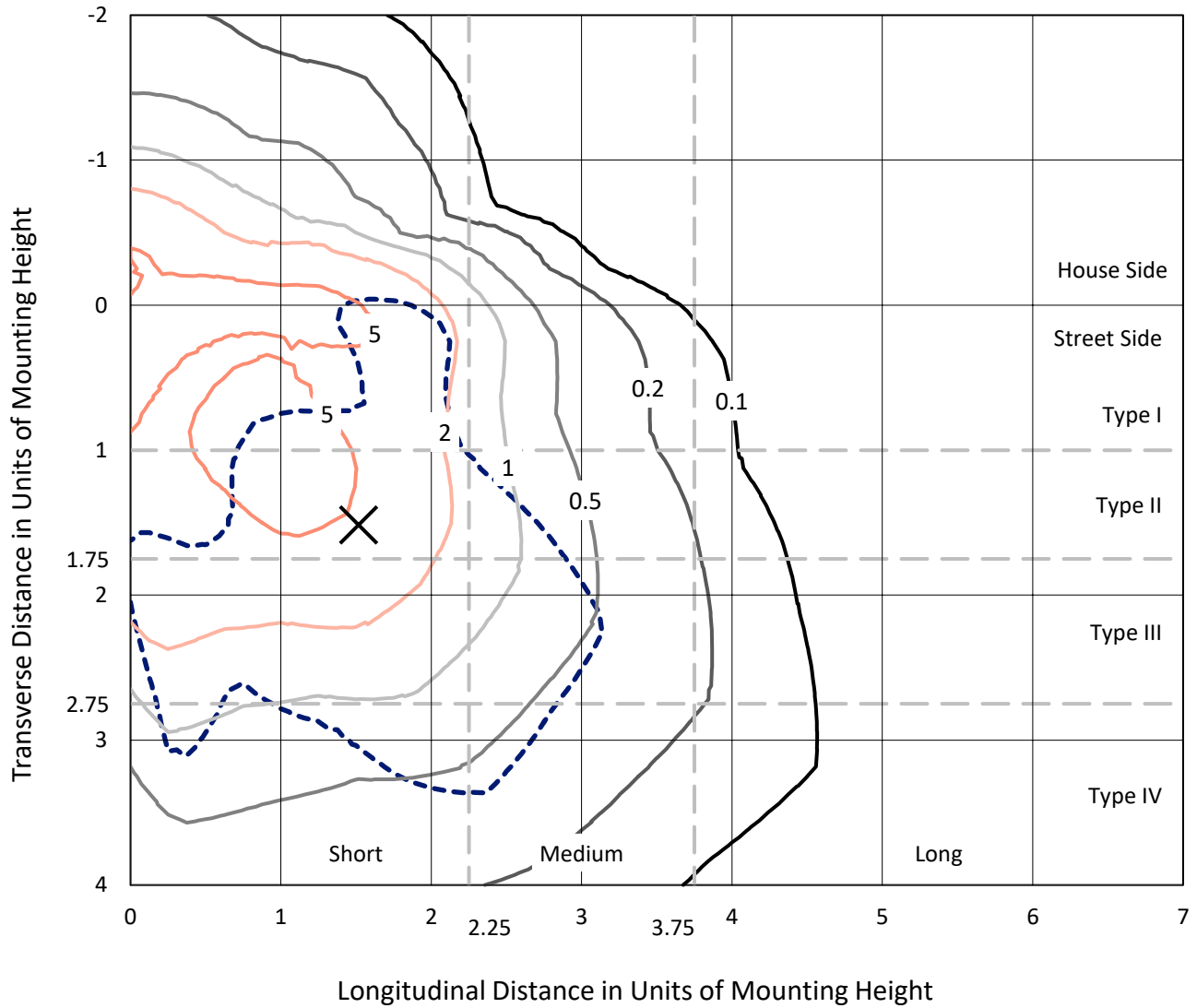
Lumens per Lamp: N/A  
Luminaire Lumens: 25758 lumens  
Efficiency: N/A  
Efficacy: 129.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): 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

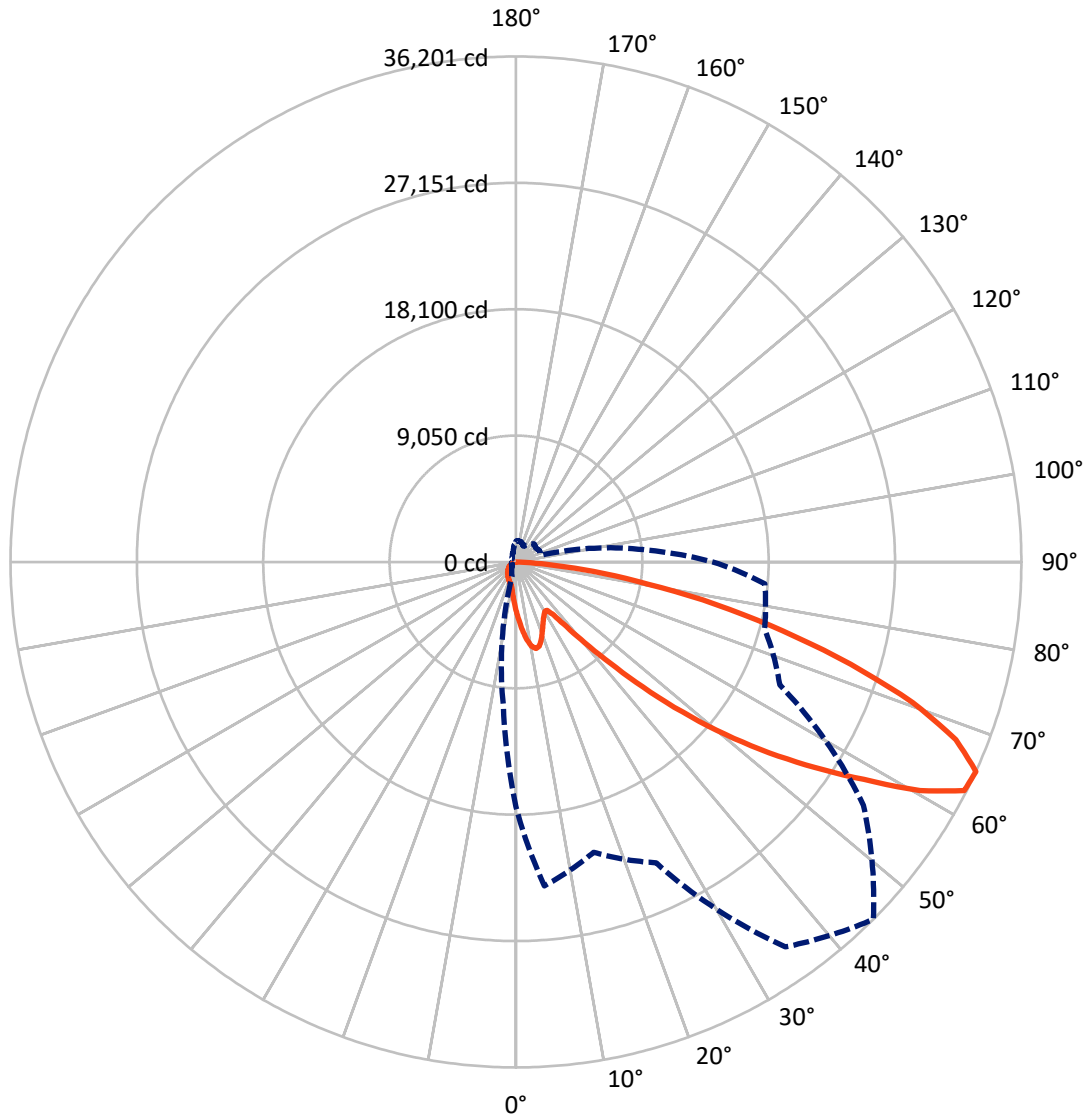
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5119.9	0.0	5119.9
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	20638.1	0.0	20638.1
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	25758.0	0.0	25758.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.2	1.4
10°-20°	1052.6	4.1
20°-30°	1550.8	6.0
30°-40°	1992.3	7.7
40°-50°	3222.1	12.5
50°-60°	5650.3	21.9
60°-70°	7070.1	27.4
70°-80°	4131.4	16.0
80°-90°	737.1	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°	25758.0	100.0
0°-180°	25758.0	100.0



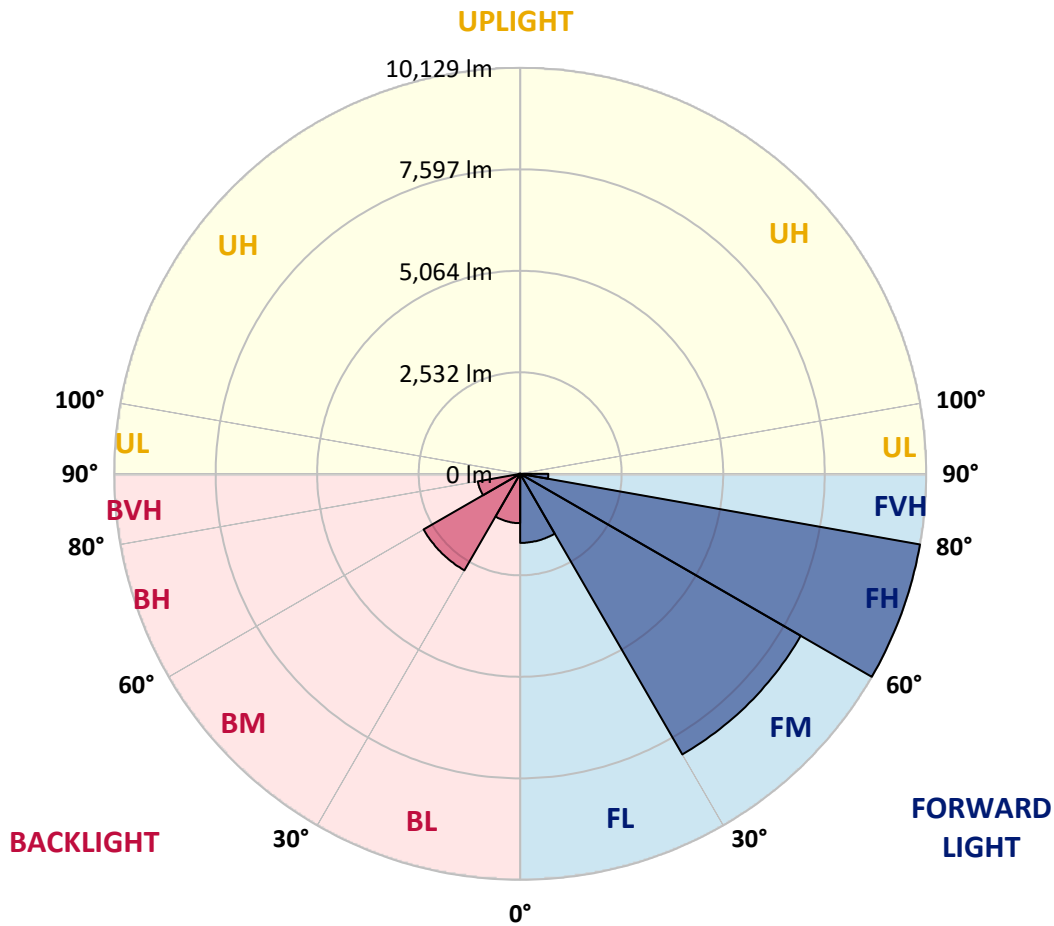
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1723.5	6.7			
FM (30°-60°)	8083.2	31.4			
FH (60°-80°)	10128.8	39.3			G4/12000
FVH (80°-90°)	702.6	2.7			G4/750
BL (0°-30°)	1231.0	4.8	B3/2500		
BM (30°-60°)	2781.6	10.8	B3/5000		
BH (60°-80°)	1072.7	4.2	B3/2500		G3/2500
BVH (80°-90°)	34.5	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-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7
2.5°	3996.1	4026.2	4093.7	4129.2	4184.2	4187.7	4187.7	4139.8	4138.0	4040.4
5°	4466.3	4537.3	4697.0	4862.0	4897.5	4906.4	4888.6	4792.8	4721.8	4532.0
7.5°	4933.0	5069.6	5312.7	5532.8	5603.7	5603.7	5561.1	5405.0	5259.5	4984.5
10°	5319.8	5491.9	5822.0	6068.6	6150.3	6132.5	6045.6	5848.6	5648.1	5314.5
12.5°	5575.3	5768.8	6130.7	6329.5	6412.9	6366.8	6267.4	6075.7	5864.6	5513.2
15°	5703.1	5905.4	6219.5	6324.2	6301.1	6253.2	6240.8	6148.5	5988.8	5660.5
17.5°	5758.1	5946.2	6164.5	6098.8	5903.6	5866.4	5990.6	6107.7	6068.6	5788.3
20°	5809.6	5967.5	6033.2	5742.1	5401.4	5367.7	5605.5	5939.1	6109.5	5907.2
22.5°	5880.6	5978.1	5843.3	5366.0	4998.6	4920.6	5183.2	5685.4	6121.9	6058.0
25°	5978.1	6004.8	5633.9	5009.3	4640.2	4562.1	4807.0	5403.2	6100.6	6221.2
27.5°	6095.3	6040.3	5433.4	4711.2	4354.5	4281.8	4526.6	5131.7	6040.3	6384.5
30°	6247.9	6086.4	5234.6	4480.5	4150.5	4097.2	4333.2	4897.5	5965.7	6592.1
32.5°	6402.2	6105.9	5050.1	4345.6	4104.3	4123.8	4317.3	4771.5	5884.1	6790.8
35°	6569.0	6168.0	4959.6	4478.7	4489.4	4659.7	4739.6	4888.6	5871.7	7060.6
37.5°	6796.2	6306.4	5067.8	5140.6	5509.7	5862.8	5797.2	5461.8	6015.4	7463.4
40°	7122.7	6549.5	5539.9	6267.4	7025.1	7598.2	7348.0	6503.4	6455.5	8043.6
42.5°	7598.2	6936.4	6377.4	7644.4	8929.1	9873.1	9202.3	7846.6	7225.6	8872.3
45°	8300.9	7562.7	7390.6	9097.6	11276.7	12763.7	11368.9	9278.6	8304.5	10126.8
47.5°	9275.1	8483.7	8339.9	10629.0	14130.0	16053.5	13771.6	10605.9	9532.4	11837.4
50°	10568.7	9724.0	9239.6	12304.1	17258.4	19407.2	16172.4	11887.1	10939.5	13927.7
52.5°	12275.7	11454.1	10288.3	13899.3	20475.5	22690.0	18583.9	13012.1	12685.6	16353.4
55°	14603.8	14057.2	11722.1	15421.8	23690.8	25992.2	20901.3	14073.2	14992.4	19235.1
57.5°	17492.6	17883.0	13789.3	17187.4	26581.4	29395.7	23229.4	15556.7	17987.7	22457.5
60°	19355.8	22970.3	17748.1	19797.6	29865.9	33244.5	26419.9	18378.1	21135.6	23612.7
62.5°	18905.1	24588.7	22489.5	23130.0	32886.0	36042.8	29546.5	21211.9	21728.2	21911.0
65°	17522.8	23282.7	21522.4	23777.7	33650.8	36200.7	30382.3	20846.3	18431.3	17888.3
67.5°	15620.5	21733.6	19224.5	22060.1	32268.5	33993.3	28826.1	18440.2	14243.6	13423.8
70°	13567.5	20019.4	17716.2	20133.0	29633.4	30146.3	26180.3	16218.5	10476.4	9065.7
72.5°	11619.1	18234.3	16683.4	18158.0	26118.2	25057.1	22736.1	14254.2	7628.4	6538.9
75°	9626.4	15601.0	15212.4	15812.2	21495.8	19737.3	18890.9	11801.9	5987.0	4730.7
77.5°	7427.9	12190.5	13084.8	12662.5	15130.8	14660.6	14642.8	8868.7	4374.0	3156.8
80°	5083.8	8496.1	10222.6	8932.6	9819.8	9580.3	11028.3	5949.8	3172.7	1900.4
82.5°	2988.2	5172.5	7115.6	4324.4	5429.8	5573.6	6567.3	2894.1	1866.7	438.3
85°	1212.0	2042.4	2782.3	1692.8	2619.1	2209.2	2493.1	812.7	519.9	10.6
87.5°	305.2	653.0	457.8	189.9	303.4	278.6	220.0	99.4	21.3	0.0
90°	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°
3566.7	0°	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7
4029.8	2.5°	3960.6	3919.8	3818.6	3717.5	3635.9	3525.8	3453.1	3366.1	3282.7	3208.2
4491.2	5°	4379.4	4244.5	4060.0	3891.4	3719.3	3552.5	3387.4	3213.5	3053.8	2956.2
4881.5	7.5°	4720.1	4482.3	4237.4	4022.7	3815.1	3619.9	3401.6	3190.5	2940.3	2807.2
5179.6	10°	4973.8	4661.5	4340.3	4093.7	3884.3	3694.4	3509.9	3296.9	2995.3	2828.5
5360.6	12.5°	5140.6	4769.7	4393.6	4111.4	3877.2	3729.9	3648.3	3564.9	3265.0	3069.8
5493.7	15°	5255.9	4846.0	4430.8	4070.6	3783.1	3674.9	3756.5	3852.3	3660.7	3435.3
5632.1	17.5°	5381.9	4945.4	4446.8	3960.6	3600.4	3554.2	3765.4	3987.2	3978.3	3754.8
5763.4	20°	5515.0	5032.4	4436.1	3783.1	3378.6	3419.4	3689.1	3946.4	4054.6	3934.0
5914.3	22.5°	5651.6	5115.8	4395.3	3552.5	3171.0	3298.7	3568.4	3793.8	3921.6	3884.3
6098.8	25°	5823.8	5232.9	4335.0	3304.0	2998.8	3176.3	3428.3	3611.0	3699.7	3698.0
6297.5	27.5°	6029.6	5389.0	4303.1	3103.5	2876.4	3037.9	3261.5	3424.7	3486.8	3486.8
6544.2	30°	6269.2	5573.6	4267.6	2972.2	2805.4	2894.1	3068.0	3227.7	3289.8	3289.8
6813.9	32.5°	6535.3	5751.0	4182.4	2892.4	2752.2	2754.0	2864.0	3009.5	3084.0	3094.7
7151.1	35°	6854.7	5940.9	3996.1	2828.5	2690.1	2617.3	2670.6	2791.2	2879.9	2903.0
7631.9	37.5°	7273.5	6173.3	3729.9	2734.4	2594.3	2473.6	2486.0	2578.3	2675.9	2711.4
8295.6	40°	7836.0	6446.6	3453.1	2599.6	2459.4	2315.7	2310.3	2377.8	2473.6	2512.6
9193.5	42.5°	8579.5	6774.9	3188.7	2470.0	2296.1	2148.9	2140.0	2193.2	2276.6	2317.4
10378.8	45°	9530.6	7177.7	2961.6	2368.9	2136.4	1990.9	1987.4	2031.8	2104.5	2147.1
11896.0	47.5°	10852.6	7580.5	2807.2	2315.7	2010.5	1861.4	1868.5	1907.5	1973.2	2003.4
13860.3	50°	12575.6	7702.9	2729.1	2315.7	1943.0	1746.1	1781.6	1813.5	1863.2	1880.9
16215.0	52.5°	14229.4	7298.3	2658.1	2329.9	1951.9	1648.5	1724.8	1747.8	1790.4	1797.5
18397.6	55°	15040.3	6274.5	2560.5	2333.4	2006.9	1565.1	1678.6	1721.2	1737.2	1735.4
19664.5	57.5°	14761.7	5073.2	2395.5	2319.2	2044.2	1511.8	1621.9	1703.5	1714.1	1698.2
19423.2	60°	13784.0	3735.2	2269.5	2214.5	2030.0	1495.9	1534.9	1664.4	1680.4	1659.1
17563.6	62.5°	12144.4	2592.5	2171.9	1983.8	1967.9	1490.5	1398.3	1579.3	1618.3	1588.1
14117.6	65°	9560.8	1831.2	1870.3	1739.0	1833.0	1462.2	1256.3	1476.3	1529.6	1483.4
10242.2	67.5°	6469.7	1322.0	1515.4	1575.7	1614.8	1398.3	1153.4	1359.2	1430.2	1369.9
6572.6	70°	3493.9	928.0	1000.8	1327.3	1371.7	1288.3	1061.1	1240.3	1322.0	1256.3
4672.1	72.5°	2063.7	667.2	700.9	1066.4	1142.8	1133.9	958.2	1101.9	1201.3	1123.2
3224.2	75°	1137.4	450.7	500.4	773.7	928.0	874.8	823.3	933.4	1034.5	958.2
2021.1	77.5°	509.3	269.7	347.8	507.5	729.3	599.8	637.0	727.5	821.6	741.7
1125.0	80°	197.0	150.8	230.7	276.8	530.6	331.8	409.9	535.9	603.3	539.4
244.9	82.5°	24.8	67.4	99.4	108.2	308.8	175.7	237.8	337.1	331.8	287.5
0.0	85°	0.0	12.4	14.2	7.1	133.1	63.9	78.1	110.0	102.9	78.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	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

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**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
3566.7	0°	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7
3194.0	2.5°	3107.1	3043.2	3011.3	2984.6	3009.5	3023.7	3023.7	3084.0	3119.5	3133.7
2894.1	5°	2738.0	2619.1	2539.2	2491.3	2507.3	2525.1	2544.6	2620.9	2672.3	2706.0
2686.5	7.5°	2447.0	2266.0	2154.2	2095.6	2104.5	2116.9	2132.9	2207.4	2258.9	2303.2
2647.5	10°	2303.2	2047.7	1900.4	1829.5	1817.0	1809.9	1804.6	1849.0	1888.0	1923.5
2807.2	12.5°	2310.3	1953.7	1774.5	1687.5	1650.2	1607.7	1573.9	1581.0	1605.9	1650.2
3092.9	15°	2400.8	1923.5	1708.8	1600.6	1538.5	1488.8	1448.0	1439.1	1448.0	1455.1
3419.4	17.5°	2523.3	1920.0	1652.0	1517.2	1453.3	1412.5	1375.2	1362.8	1364.6	1373.4
3635.9	20°	2620.9	1909.3	1588.1	1437.3	1380.5	1345.0	1307.8	1295.4	1298.9	1300.7
3657.2	22.5°	2672.3	1893.3	1517.2	1357.5	1309.5	1274.1	1240.3	1238.6	1238.6	1249.2
3541.8	25°	2672.3	1859.6	1453.3	1281.2	1238.6	1206.6	1165.8	1172.9	1176.5	1190.7
3362.6	27.5°	2608.5	1795.8	1401.8	1215.5	1171.1	1139.2	1101.9	1110.8	1116.1	1132.1
3185.2	30°	2526.8	1719.4	1343.3	1153.4	1101.9	1078.9	1046.9	1050.5	1057.6	1075.3
3020.1	32.5°	2439.9	1629.0	1295.4	1091.3	1039.8	1022.1	986.6	991.9	999.0	1018.5
2856.9	35°	2344.1	1522.5	1238.6	1034.5	983.0	968.9	928.0	931.6	942.2	963.5
2681.2	37.5°	2242.9	1435.5	1181.8	979.5	926.3	912.1	869.5	873.0	885.5	910.3
2496.7	40°	2143.5	1350.4	1121.5	920.9	867.7	855.3	809.2	812.7	826.9	853.5
2310.3	42.5°	2035.3	1284.7	1043.4	860.6	803.8	791.4	748.8	754.1	770.1	796.7
2138.2	45°	1905.8	1242.1	956.4	803.8	739.9	727.5	688.5	699.1	716.9	743.5
1990.9	47.5°	1772.7	1224.4	883.7	743.5	674.3	663.6	631.7	649.5	669.0	690.3
1865.0	50°	1644.9	1201.3	809.2	686.7	617.5	606.9	585.6	608.6	628.2	647.7
1774.5	52.5°	1499.4	1151.6	741.7	637.0	569.6	566.1	555.4	576.7	594.4	612.2
1696.4	55°	1348.6	1071.8	683.2	592.7	528.8	532.3	527.0	544.8	559.0	574.9
1625.4	57.5°	1217.3	970.6	637.0	544.8	493.3	503.9	496.8	505.7	514.6	534.1
1540.2	60°	1084.2	850.0	585.6	488.0	457.8	470.2	450.7	448.9	452.5	457.8
1414.2	62.5°	905.0	724.0	521.7	438.3	418.8	424.1	386.8	358.4	358.4	363.8
1238.6	65°	727.5	606.9	450.7	381.5	365.5	362.0	308.8	269.7	266.2	282.1
1034.5	67.5°	598.0	503.9	379.7	317.6	307.0	310.5	271.5	232.5	228.9	246.6
842.9	70°	495.1	406.4	303.4	244.9	255.5	271.5	232.5	195.2	189.9	205.8
684.9	72.5°	393.9	317.6	232.5	181.0	211.2	230.7	189.9	154.4	150.8	165.0
528.8	75°	289.2	227.1	157.9	131.3	163.3	181.0	138.4	110.0	104.7	117.1
353.1	77.5°	179.2	127.8	99.4	78.1	111.8	120.7	72.8	63.9	62.1	71.0
214.7	80°	83.4	55.0	47.9	26.6	40.8	47.9	30.2	33.7	35.5	42.6
108.2	82.5°	23.1	8.9	1.8	0.0	0.0	14.2	7.1	14.2	17.7	26.6
8.9	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	8.9	16.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
0.0	90°	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°	360°
3566.7	0°	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7	3566.7
3233.1	2.5°	3307.6	3378.6	3492.1	3609.2	3724.6	3841.7	3955.3	3996.1
2860.4	5°	3000.6	3163.9	3389.2	3630.5	3879.0	4130.9	4361.6	4466.3
2475.4	7.5°	2658.1	2892.4	3231.3	3609.2	4004.9	4400.7	4764.4	4933.0
2093.9	10°	2292.6	2588.9	2975.8	3486.8	4054.6	4601.2	5101.6	5319.8
1758.5	12.5°	1944.8	2255.3	2683.0	3295.2	4015.6	4716.5	5318.0	5575.3
1522.5	15°	1653.8	1928.8	2390.2	3068.0	3889.6	4723.6	5421.0	5703.1
1391.2	17.5°	1435.5	1614.8	2092.1	2816.1	3724.6	4657.9	5456.5	5758.1
1320.2	20°	1327.3	1377.0	1705.3	2493.1	3570.2	4595.8	5491.9	5809.6
1263.4	22.5°	1263.4	1275.8	1394.7	2076.1	3385.7	4576.3	5554.1	5880.6
1212.0	25°	1212.0	1215.5	1247.4	1644.9	3103.5	4563.9	5649.9	5978.1
1158.7	27.5°	1160.5	1160.5	1178.2	1325.5	2720.2	4510.7	5774.1	6095.3
1105.5	30°	1109.0	1109.0	1121.5	1172.9	2271.3	4406.0	5923.1	6247.9
1052.3	32.5°	1055.8	1055.8	1066.4	1103.7	1813.5	4274.7	6059.8	6402.2
997.2	35°	1002.6	999.0	1013.2	1052.3	1442.6	4107.9	6196.4	6569.0
942.2	37.5°	945.8	944.0	958.2	1002.6	1245.7	3914.5	6299.3	6796.2
887.2	40°	885.5	885.5	901.4	949.3	1188.9	3671.4	6462.6	7122.7
830.4	42.5°	830.4	826.9	844.6	903.2	1146.3	3438.9	6755.4	7598.2
779.0	45°	777.2	770.1	786.1	858.8	1071.8	3357.3	7301.9	8300.9
729.3	47.5°	727.5	709.8	724.0	805.6	1004.3	3662.5	8196.2	9275.1
684.9	50°	686.7	653.0	665.4	752.4	952.9	4324.4	9356.7	10568.7
644.1	52.5°	644.1	599.8	606.9	686.7	906.7	4954.3	10614.8	12275.7
603.3	55°	599.8	550.1	553.6	621.1	841.1	5048.3	11842.7	14603.8
557.2	57.5°	550.1	503.9	503.9	560.7	793.2	4375.8	12786.7	17492.6
500.4	60°	495.1	464.9	456.0	512.8	835.8	3087.6	12896.8	19355.8
427.6	62.5°	434.7	418.8	406.4	466.7	867.7	1829.5	12011.3	18905.1
337.1	65°	365.5	362.0	353.1	512.8	731.1	1080.6	10311.4	17522.8
287.5	67.5°	307.0	301.7	301.7	537.7	555.4	679.6	8056.0	15620.5
244.9	70°	264.4	244.9	244.9	406.4	337.1	470.2	5625.0	13567.5
202.3	72.5°	221.8	200.5	186.3	324.7	252.0	344.2	3515.2	11619.1
154.4	75°	177.4	161.5	143.7	214.7	188.1	260.8	2042.4	9626.4
97.6	77.5°	127.8	120.7	101.1	157.9	136.6	188.1	1215.5	7427.9
60.3	80°	65.7	67.4	63.9	90.5	92.3	127.8	692.0	5083.8
39.0	82.5°	39.0	30.2	33.7	44.4	53.2	72.8	260.8	2988.2
28.4	85°	24.8	16.0	16.0	21.3	26.6	28.4	79.9	1212.0
14.2	87.5°	12.4	5.3	7.1	10.6	8.9	7.1	3.5	305.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)