

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: P952065

Luminaire Tested: **GALN-SB6A-740-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952065  
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-SB6A-740-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

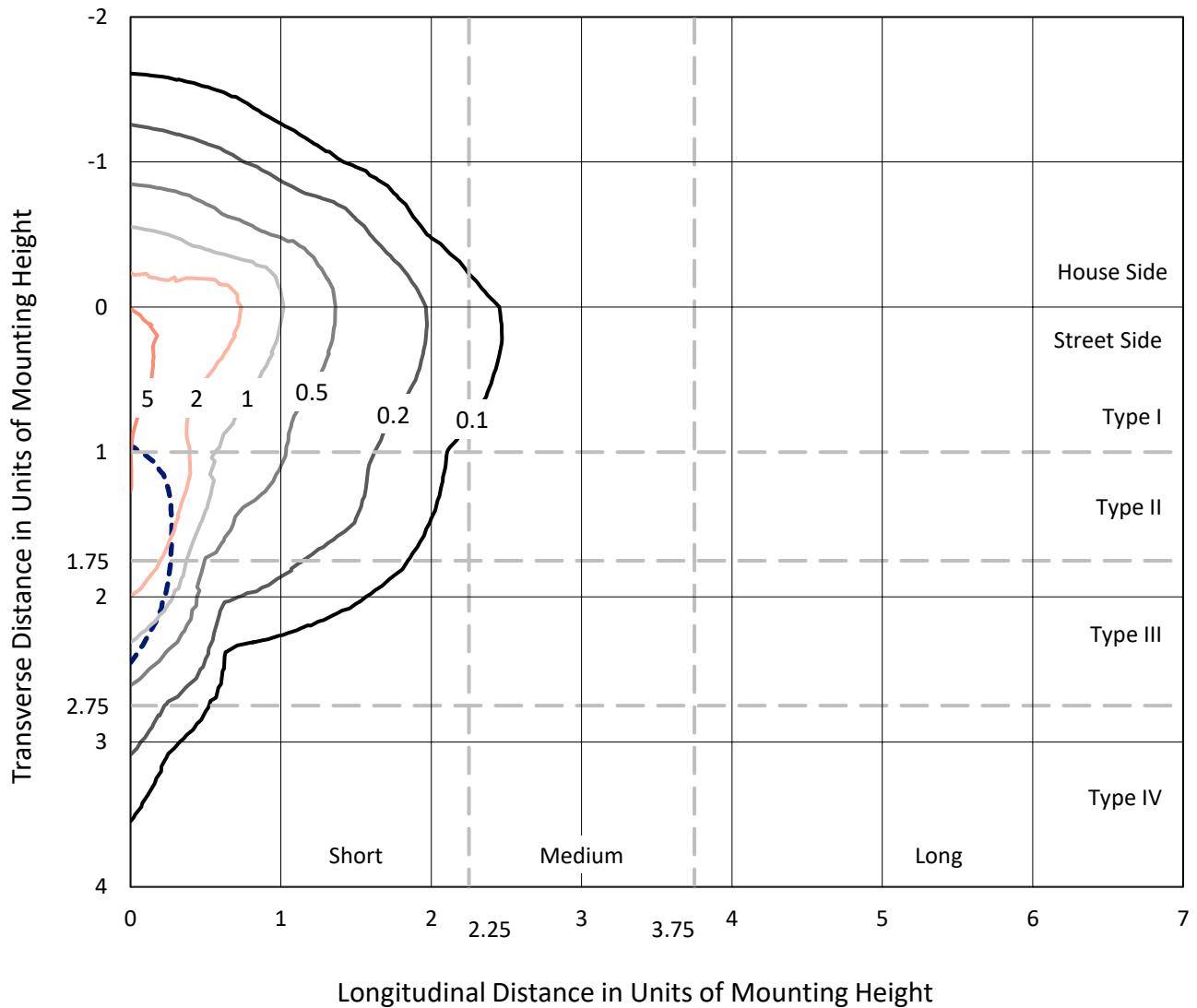
Lumens per Lamp: N/A  
Luminaire Lumens: 21964 lumens  
Efficiency: N/A  
Efficacy: 128.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

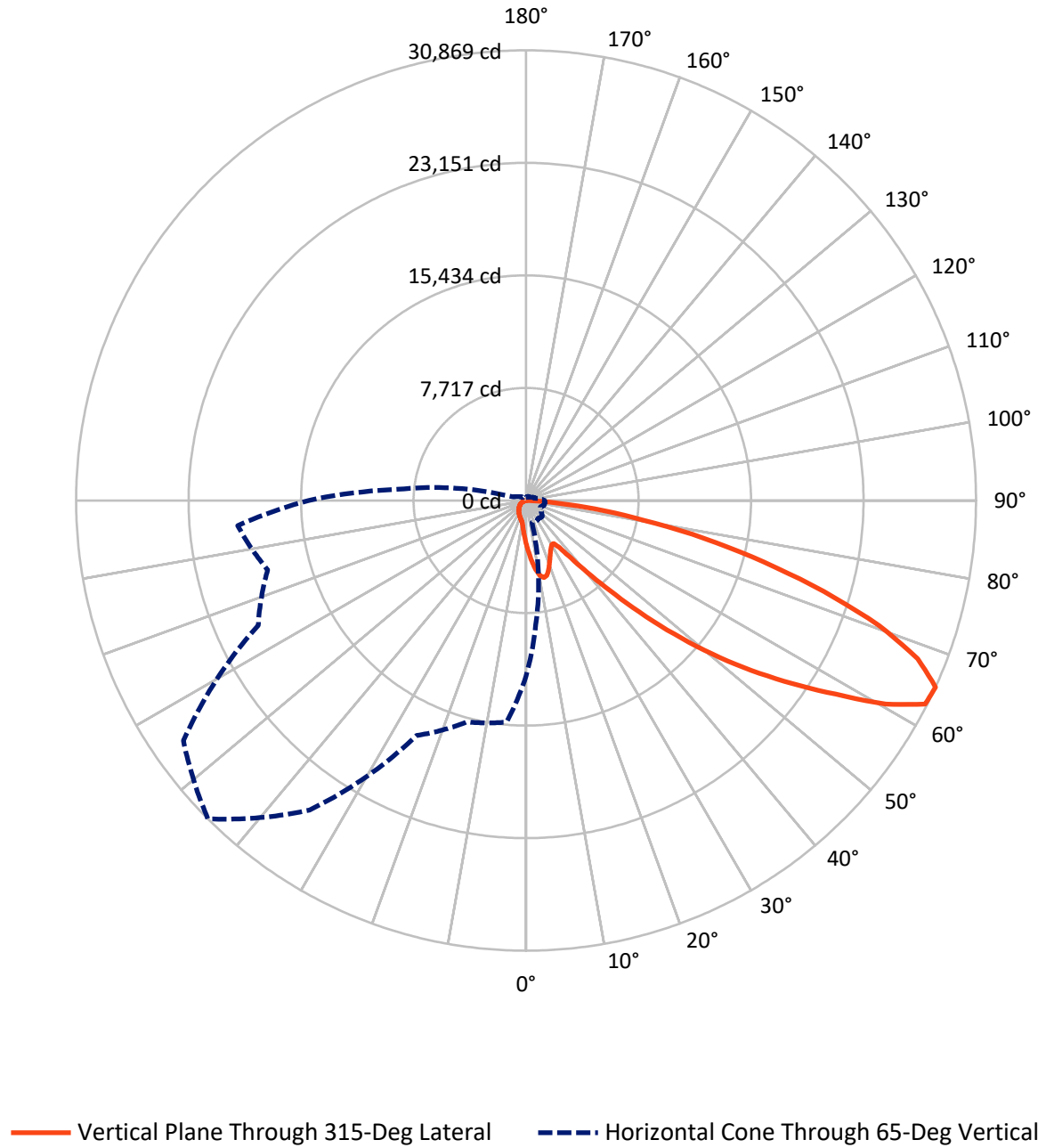
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3075.9	0.0	3075.9
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	18888.1	0.0	18888.1
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	21964.0	0.0	21964.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.4	1.4
10°-20°	897.6	4.1
20°-30°	1322.3	6.0
30°-40°	1698.8	7.7
40°-50°	2747.5	12.5
50°-60°	4818.1	21.9
60°-70°	6028.7	27.4
70°-80°	3522.9	16.0
80°-90°	628.5	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°	21964.0	100.0
0°-180°	21964.0	100.0

**Coefficient of Utilization**



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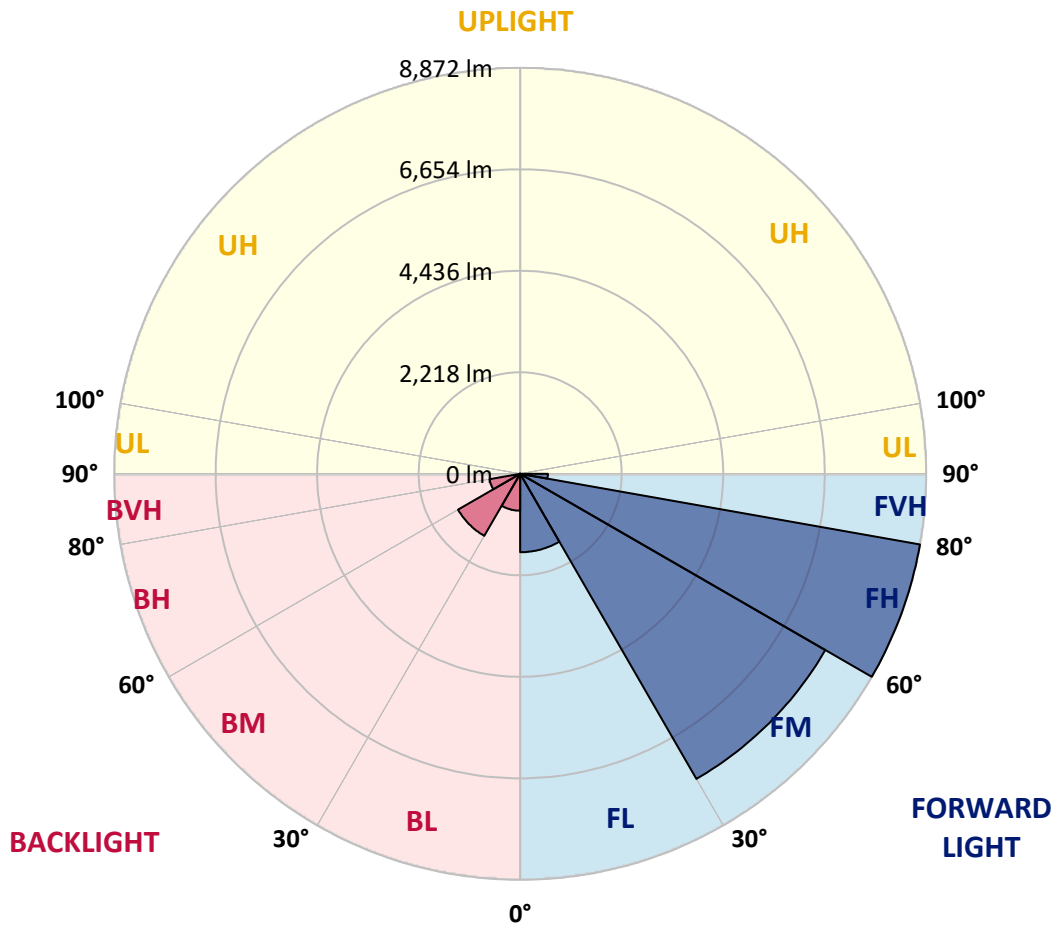
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1713.1	7.8			
FM (30°-60°)	7698.1	35.0			
FH (60°-80°)	8872.5	40.4			G4/12000
FVH (80°-90°)	604.4	2.8			G4/750
BL (0°-30°)	806.2	3.7	B2/1000		
BM (30°-60°)	1566.3	7.1	B2/2500		
BH (60°-80°)	679.2	3.1	B2/1000		G2/1000
BVH (80°-90°)	24.1	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°
0°	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3
2.5°	3436.2	3377.2	3342.4	3256.2	3169.9	3100.3	3006.5	2944.5	2870.3	2799.2
5°	3829.6	3734.3	3619.3	3462.0	3318.2	3171.4	3029.2	2888.5	2740.2	2604.0
7.5°	4162.5	4024.8	3822.1	3613.3	3430.2	3253.1	3086.7	2900.6	2720.5	2507.2
10°	4416.7	4241.2	3974.9	3701.0	3490.7	3312.2	3150.3	2992.9	2811.3	2554.1
12.5°	4571.0	4383.4	4067.2	3746.4	3505.8	3306.1	3180.5	3110.9	3039.8	2784.1
15°	4684.5	4481.8	4132.2	3778.2	3471.0	3225.9	3133.6	3203.2	3284.9	3121.5
17.5°	4802.5	4589.2	4217.0	3791.8	3377.2	3070.1	3030.7	3210.8	3399.9	3392.3
20°	4914.5	4702.7	4291.1	3782.7	3225.9	2880.9	2915.7	3145.7	3365.1	3457.4
22.5°	5043.1	4819.2	4362.2	3747.9	3029.2	2703.9	2812.8	3042.8	3235.0	3343.9
25°	5200.5	4966.0	4462.1	3696.5	2817.4	2557.1	2708.4	2923.3	3079.1	3154.8
27.5°	5370.0	5141.5	4595.3	3669.2	2646.4	2452.7	2590.4	2781.1	2920.3	2973.2
30°	5580.3	5345.7	4752.6	3639.0	2534.4	2392.2	2467.9	2616.1	2752.3	2805.3
32.5°	5810.3	5572.7	4903.9	3566.4	2466.3	2346.8	2348.3	2442.1	2566.2	2629.8
35°	6097.8	5845.1	5065.8	3407.5	2411.9	2293.8	2231.8	2277.2	2380.1	2455.7
37.5°	6507.8	6202.2	5264.0	3180.5	2331.7	2212.1	2109.2	2119.8	2198.5	2281.7
40°	7073.7	6681.8	5497.1	2944.5	2216.7	2097.1	1974.6	1970.0	2027.5	2109.2
42.5°	7839.3	7315.8	5777.0	2719.0	2106.2	1957.9	1832.4	1824.8	1870.2	1941.3
45°	8850.1	8126.8	6120.4	2525.3	2020.0	1821.8	1697.7	1694.7	1732.5	1794.5
47.5°	10143.8	9254.1	6463.9	2393.7	1974.6	1714.3	1587.2	1593.3	1626.6	1682.6
50°	11818.7	10723.3	6568.3	2327.1	1974.6	1656.8	1488.9	1519.1	1546.4	1588.7
52.5°	13826.6	12133.5	6223.3	2266.6	1986.7	1664.4	1405.7	1470.7	1490.4	1526.7
55°	15687.7	12825.0	5350.3	2183.4	1989.7	1711.3	1334.5	1431.4	1467.7	1481.3
57.5°	16768.1	12587.4	4325.9	2042.7	1977.6	1743.1	1289.2	1383.0	1452.6	1461.6
60°	16562.3	11753.7	3185.1	1935.2	1888.3	1731.0	1275.5	1308.8	1419.3	1432.9
62.5°	14976.6	10355.6	2210.6	1852.0	1691.6	1678.0	1271.0	1192.3	1346.7	1379.9
65°	12038.1	8152.5	1561.5	1594.8	1482.8	1563.0	1246.8	1071.3	1258.9	1304.3
67.5°	8733.6	5516.7	1127.3	1292.2	1343.6	1376.9	1192.3	983.5	1159.0	1219.6
70°	5604.5	2979.3	791.3	853.4	1131.8	1169.6	1098.5	904.8	1057.7	1127.3
72.5°	3984.0	1759.7	568.9	597.7	909.4	974.4	966.9	817.1	939.6	1024.4
75°	2749.3	969.9	384.3	426.7	659.7	791.3	746.0	702.1	795.9	882.1
77.5°	1723.4	434.3	230.0	296.6	432.7	621.9	511.4	543.2	620.4	700.6
80°	959.3	168.0	128.6	196.7	236.0	452.4	282.9	349.5	457.0	514.5
82.5°	208.8	21.2	57.5	84.7	92.3	263.3	149.8	202.8	287.5	282.9
85°	0.0	0.0	10.6	12.1	6.1	113.5	54.5	66.6	93.8	87.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
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°
3041.3	0°	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3
2735.7	2.5°	2723.6	2649.4	2594.9	2567.7	2545.0	2566.2	2578.3	2578.3	2629.8	2660.0
2520.8	5°	2467.9	2334.7	2233.3	2165.2	2124.4	2138.0	2153.1	2169.8	2234.8	2278.7
2393.7	7.5°	2290.8	2086.6	1932.2	1836.9	1787.0	1794.5	1805.1	1818.7	1882.3	1926.2
2411.9	10°	2257.5	1964.0	1746.1	1620.5	1560.0	1549.4	1543.4	1538.8	1576.6	1609.9
2617.6	12.5°	2393.7	1970.0	1665.9	1513.1	1438.9	1407.2	1370.9	1342.1	1348.2	1369.3
2929.3	15°	2637.3	2047.2	1640.2	1457.1	1364.8	1311.8	1269.5	1234.7	1227.1	1234.7
3201.7	17.5°	2915.7	2151.6	1637.2	1408.7	1293.7	1239.2	1204.4	1172.6	1162.1	1163.6
3354.5	20°	3100.3	2234.8	1628.1	1354.2	1225.6	1177.2	1146.9	1115.1	1104.6	1107.6
3312.2	22.5°	3118.5	2278.7	1614.5	1293.7	1157.5	1116.7	1086.4	1057.7	1056.1	1056.1
3153.3	25°	3020.1	2278.7	1585.7	1239.2	1092.5	1056.1	1028.9	994.1	1000.2	1003.2
2973.2	27.5°	2867.3	2224.2	1531.2	1195.3	1036.5	998.6	971.4	939.6	947.2	951.7
2805.3	30°	2716.0	2154.6	1466.2	1145.4	983.5	939.6	920.0	892.7	895.7	901.8
2638.8	32.5°	2575.3	2080.5	1389.0	1104.6	930.6	886.7	871.5	841.3	845.8	851.9
2475.4	35°	2436.1	1998.8	1298.2	1056.1	882.1	838.3	826.1	791.3	794.4	803.5
2312.0	37.5°	2286.3	1912.5	1224.1	1007.7	835.2	789.8	777.7	741.4	744.4	755.0
2142.5	40°	2128.9	1827.8	1151.5	956.3	785.3	739.9	729.3	690.0	693.0	705.1
1976.1	42.5°	1970.0	1735.5	1095.5	889.7	733.8	685.4	674.8	638.5	643.1	656.7
1830.8	45°	1823.3	1625.1	1059.2	815.6	685.4	631.0	620.4	587.1	596.2	611.3
1708.3	47.5°	1697.7	1511.6	1044.0	753.5	634.0	575.0	565.9	538.7	553.8	570.4
1603.9	50°	1590.3	1402.6	1024.4	690.0	585.6	526.6	517.5	499.3	519.0	535.6
1532.8	52.5°	1513.1	1278.6	982.0	632.5	543.2	485.7	482.7	473.6	491.8	506.9
1479.8	55°	1446.5	1149.9	913.9	582.5	505.4	450.9	453.9	449.4	464.5	476.6
1448.0	57.5°	1386.0	1038.0	827.7	543.2	464.5	420.6	429.7	423.7	431.2	438.8
1414.7	60°	1313.4	924.5	724.8	499.3	416.1	390.4	401.0	384.3	382.8	385.8
1354.2	62.5°	1205.9	771.7	617.3	444.8	373.7	357.1	361.6	329.9	305.6	305.6
1264.9	65°	1056.1	620.4	517.5	384.3	325.3	311.7	308.7	263.3	230.0	227.0
1168.1	67.5°	882.1	509.9	429.7	323.8	270.8	261.8	264.8	231.5	198.2	195.2
1071.3	70°	718.7	422.2	346.5	258.7	208.8	217.9	231.5	198.2	166.4	161.9
957.8	72.5°	584.1	335.9	270.8	198.2	154.3	180.1	196.7	161.9	131.6	128.6
817.1	75°	450.9	246.6	193.7	134.7	112.0	139.2	154.3	118.0	93.8	89.3
632.5	77.5°	301.1	152.8	108.9	84.7	66.6	95.3	102.9	62.0	54.5	53.0
460.0	80°	183.1	71.1	46.9	40.9	22.7	34.8	40.9	25.7	28.7	30.3
245.1	82.5°	92.3	19.7	7.6	1.5	0.0	0.0	12.1	6.1	12.1	15.1
66.6	85°	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	7.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°
3041.3	0°	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3
2672.1	2.5°	2756.9	2820.4	2880.9	2977.8	3077.6	3176.0	3275.8	3372.7	3407.5	3433.2
2307.5	5°	2439.1	2558.6	2697.8	2890.0	3095.8	3307.6	3522.5	3719.2	3808.4	3869.0
1964.0	7.5°	2110.8	2266.6	2466.3	2755.3	3077.6	3415.0	3752.5	4062.6	4206.4	4322.9
1640.2	10°	1785.4	1954.9	2207.6	2537.5	2973.2	3457.4	3923.4	4350.1	4536.2	4683.0
1407.2	12.5°	1499.5	1658.3	1923.1	2287.8	2809.8	3424.1	4021.8	4534.7	4754.1	4919.1
1240.7	15°	1298.2	1410.2	1644.7	2038.1	2616.1	3316.7	4027.8	4622.5	4863.1	5035.6
1171.1	17.5°	1186.3	1224.1	1376.9	1783.9	2401.3	3176.0	3971.9	4652.8	4910.0	5070.4
1109.1	20°	1125.7	1131.8	1174.2	1454.1	2125.9	3044.3	3918.9	4683.0	4953.9	5088.5
1065.2	22.5°	1077.3	1077.3	1087.9	1189.3	1770.3	2887.0	3902.3	4736.0	5014.4	5097.6
1015.3	25°	1033.4	1033.4	1036.5	1063.7	1402.6	2646.4	3891.7	4817.7	5097.6	5120.3
965.4	27.5°	988.0	989.6	989.6	1004.7	1130.3	2319.6	3846.3	4923.6	5197.5	5150.6
916.9	30°	942.7	945.7	945.7	956.3	1000.2	1936.8	3757.0	5050.7	5327.6	5189.9
868.5	32.5°	897.3	900.3	900.3	909.4	941.1	1546.4	3645.0	5167.2	5459.2	5206.5
821.6	35°	850.4	854.9	851.9	864.0	897.3	1230.1	3502.8	5283.7	5601.5	5259.5
776.2	37.5°	803.5	806.5	805.0	817.1	854.9	1062.2	3337.9	5371.5	5795.1	5377.5
727.8	40°	756.5	755.0	755.0	768.6	809.5	1013.8	3130.6	5510.7	6073.5	5584.8
679.4	42.5°	708.1	708.1	705.1	720.2	770.2	977.5	2932.4	5760.3	6479.1	5914.7
634.0	45°	664.2	662.7	656.7	670.3	732.3	913.9	2862.8	6226.4	7078.2	6448.8
588.6	47.5°	621.9	620.4	605.2	617.3	686.9	856.4	3123.0	6989.0	7908.9	7234.1
552.3	50°	584.1	585.6	556.8	567.4	641.6	812.5	3687.4	7978.5	9012.0	8291.7
522.0	52.5°	549.3	549.3	511.4	517.5	585.6	773.2	4224.5	9051.3	10467.6	9767.0
490.2	55°	514.5	511.4	469.1	472.1	529.6	717.2	4304.7	10098.4	12452.7	11986.7
455.4	57.5°	475.1	469.1	429.7	429.7	478.1	676.4	3731.3	10903.3	14916.0	15248.9
390.4	60°	426.7	422.2	396.4	388.9	437.3	712.7	2632.8	10997.1	16504.8	19587.0
310.2	62.5°	364.7	370.7	357.1	346.5	397.9	739.9	1560.0	10242.1	16120.5	20966.9
240.6	65°	287.5	311.7	308.7	301.1	437.3	623.4	921.5	8792.6	14941.8	19853.3
210.3	67.5°	245.1	261.8	257.2	257.2	458.5	473.6	579.5	6869.4	13319.7	18532.3
175.5	70°	208.8	225.5	208.8	208.8	346.5	287.5	401.0	4796.5	11569.1	17070.7
140.7	72.5°	172.5	189.1	171.0	158.9	276.9	214.9	293.5	2997.4	9907.7	15548.5
99.9	75°	131.6	151.3	137.7	122.6	183.1	160.4	222.4	1741.6	8208.5	13303.1
60.5	77.5°	83.2	108.9	102.9	86.2	134.7	116.5	160.4	1036.5	6333.8	10394.9
36.3	80°	51.4	56.0	57.5	54.5	77.2	78.7	108.9	590.1	4335.0	7244.7
22.7	82.5°	33.3	33.3	25.7	28.7	37.8	45.4	62.0	222.4	2548.0	4410.7
13.6	85°	24.2	21.2	13.6	13.6	18.2	22.7	24.2	68.1	1033.4	1741.6
6.1	87.5°	12.1	10.6	4.5	6.1	9.1	7.6	6.1	3.0	260.3	556.8
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°
3041.3	0°	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3	3041.3
3490.7	2.5°	3521.0	3567.9	3570.9	3570.9	3530.0	3528.5	3445.3	3436.2
4005.1	5°	4145.9	4176.1	4183.7	4168.6	4086.9	4026.3	3864.4	3829.6
4530.2	7.5°	4717.8	4778.3	4778.3	4742.0	4608.9	4484.8	4250.3	4162.5
4964.4	10°	5174.8	5244.4	5229.2	5155.1	4987.1	4816.2	4531.7	4416.7
5227.7	12.5°	5397.2	5468.3	5429.0	5344.2	5180.8	5000.8	4701.2	4571.0
5303.4	15°	5392.7	5373.0	5332.1	5321.5	5242.9	5106.7	4826.8	4684.5
5256.5	17.5°	5200.5	5034.1	5002.3	5108.2	5208.1	5174.8	4935.7	4802.5
5144.5	20°	4896.4	4605.8	4577.1	4779.9	5064.3	5209.6	5037.1	4914.5
4982.6	22.5°	4575.6	4262.4	4195.8	4419.7	4847.9	5220.2	5165.7	5043.1
4804.1	25°	4271.5	3956.7	3890.2	4099.0	4607.4	5202.0	5304.9	5200.5
4633.1	27.5°	4017.3	3713.1	3651.1	3859.9	4375.9	5150.6	5444.1	5370.0
4463.6	30°	3820.6	3539.1	3493.7	3695.0	4176.1	5087.0	5621.1	5580.3
4306.3	32.5°	3705.6	3499.8	3516.4	3681.3	4068.7	5017.4	5790.6	5810.3
4229.1	35°	3819.0	3828.1	3973.4	4041.5	4168.6	5006.8	6020.6	6097.8
4321.4	37.5°	4383.4	4698.1	4999.2	4943.3	4657.3	5129.4	6364.1	6507.8
4723.9	40°	5344.2	5990.3	6479.1	6265.7	5545.5	5504.6	6858.8	7073.7
5438.0	42.5°	6518.4	7613.9	8418.8	7846.9	6690.9	6161.3	7565.5	7839.3
6302.0	45°	7757.6	9615.7	10883.7	9694.4	7911.9	7081.3	8635.2	8850.1
7111.5	47.5°	9063.4	12048.7	13688.9	11743.1	9043.7	8128.3	10093.8	10143.8
7878.7	50°	10491.8	14716.3	16548.7	13790.3	10136.2	9328.2	11876.2	11818.7
8772.9	52.5°	11852.0	17459.5	19347.9	15846.6	11095.5	10817.1	13944.6	13826.6
9995.5	55°	13150.3	20201.3	22163.7	17822.7	12000.3	12784.1	16401.9	15687.7
11758.2	57.5°	14655.8	22666.1	25065.9	19807.9	13265.3	15338.2	19149.7	16768.1
15133.9	60°	16881.5	25466.8	28347.7	22528.4	15671.1	18022.4	20134.7	16562.3
19176.9	62.5°	19723.1	28042.1	30733.9	25194.5	18087.5	18527.8	18683.6	14976.6
18352.3	65°	20275.4	28694.2	30868.6	25907.1	17775.8	15716.5	15253.5	12038.1
16392.8	67.5°	18810.7	27515.5	28986.3	24580.1	15724.0	12145.6	11446.5	8733.6
15106.7	70°	17167.5	25268.6	25705.9	22324.1	13829.6	8933.3	7730.4	5604.5
14226.1	72.5°	15483.5	22271.2	21366.3	19387.2	12154.7	6504.8	5575.7	3984.0
12971.7	75°	13483.1	18329.6	16830.1	16108.4	10063.6	5105.2	4033.9	2749.3
11157.5	77.5°	10797.4	12902.1	12501.2	12486.0	7562.4	3729.8	2691.8	1723.4
8716.9	80°	7616.9	8373.4	8169.2	9403.9	5073.4	2705.4	1620.5	959.3
6067.5	82.5°	3687.4	4630.1	4752.6	5599.9	2467.9	1591.8	373.7	208.8
2372.5	85°	1443.5	2233.3	1883.8	2125.9	693.0	443.3	9.1	0.0
390.4	87.5°	161.9	258.7	237.6	187.6	84.7	18.2	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)