

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: P952567

Luminaire Tested: **GALN-SB6B-850-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952567
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-850-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 450mA 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: 24928 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

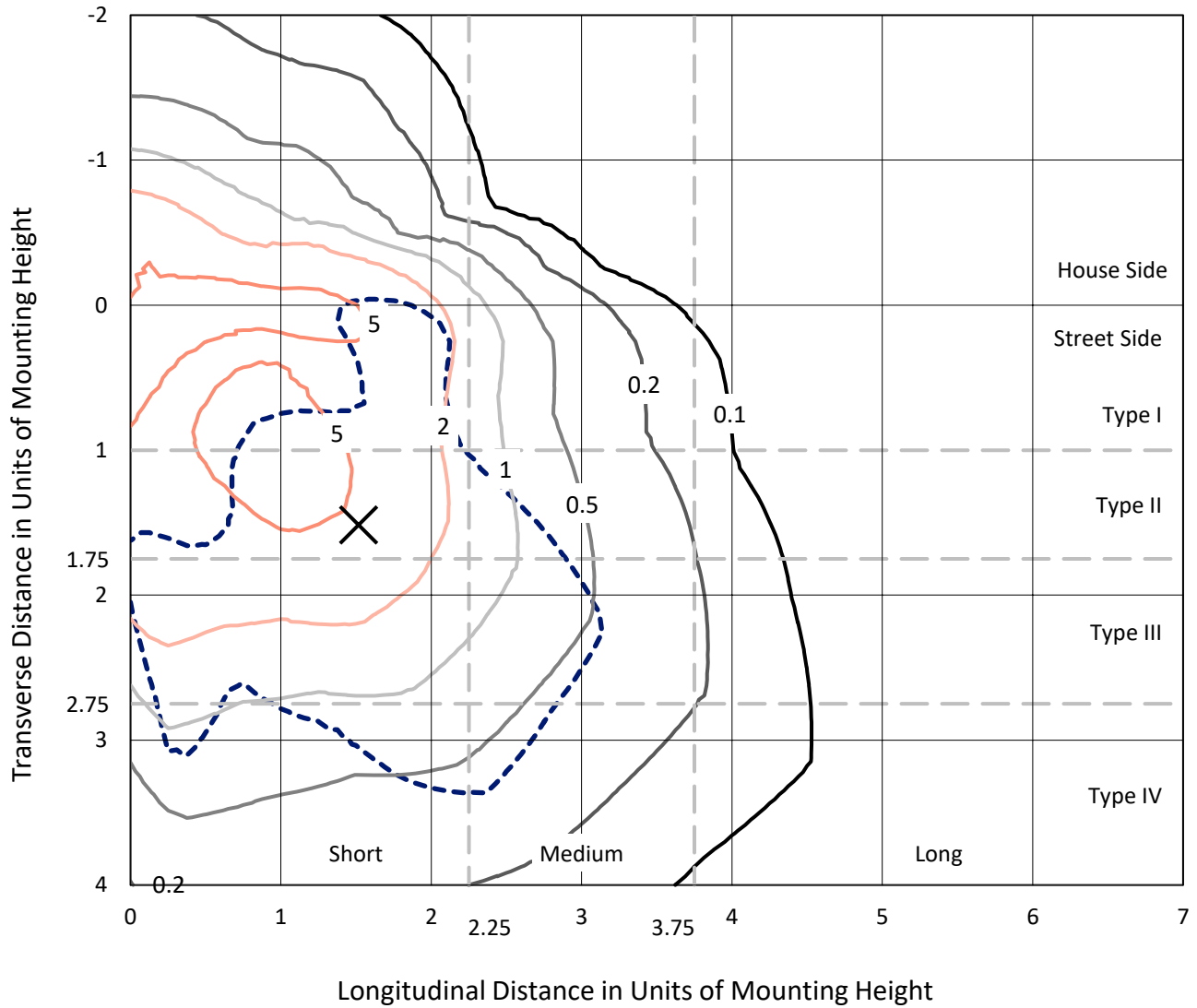
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

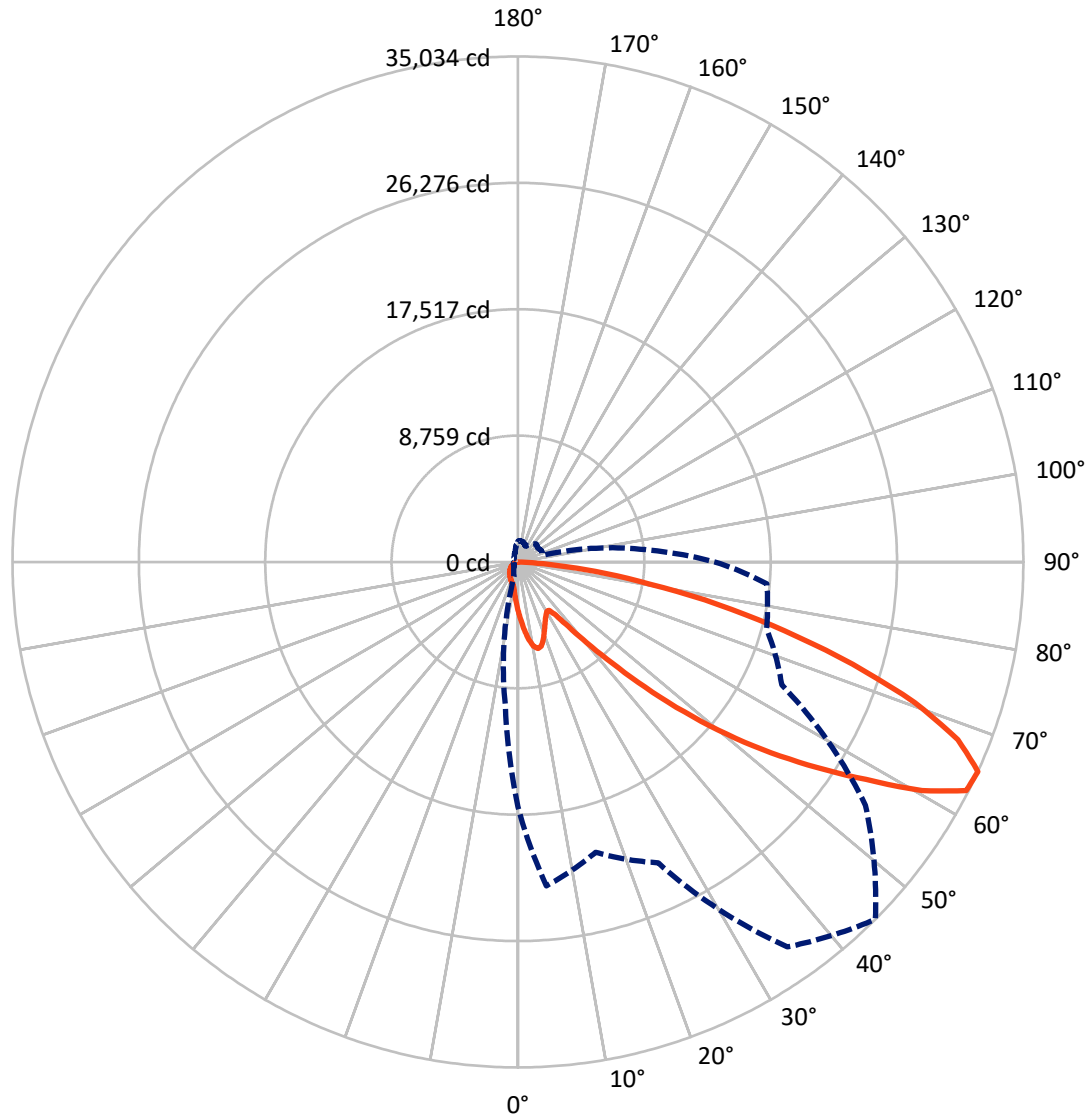
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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
House Side	Lumens	4954.9	0.0	4954.9
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	19973.1	0.0	19973.1
	% Fixture	80.1	0.0	80.1
Total	Lumens	24928.0	0.0	24928.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.8	1.4
10°-20°	1018.7	4.1
20°-30°	1500.8	6.0
30°-40°	1928.1	7.7
40°-50°	3118.3	12.5
50°-60°	5468.3	21.9
60°-70°	6842.3	27.4
70°-80°	3998.3	16.0
80°-90°	713.4	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°	24928.0	100.0
0°-180°	24928.0	100.0



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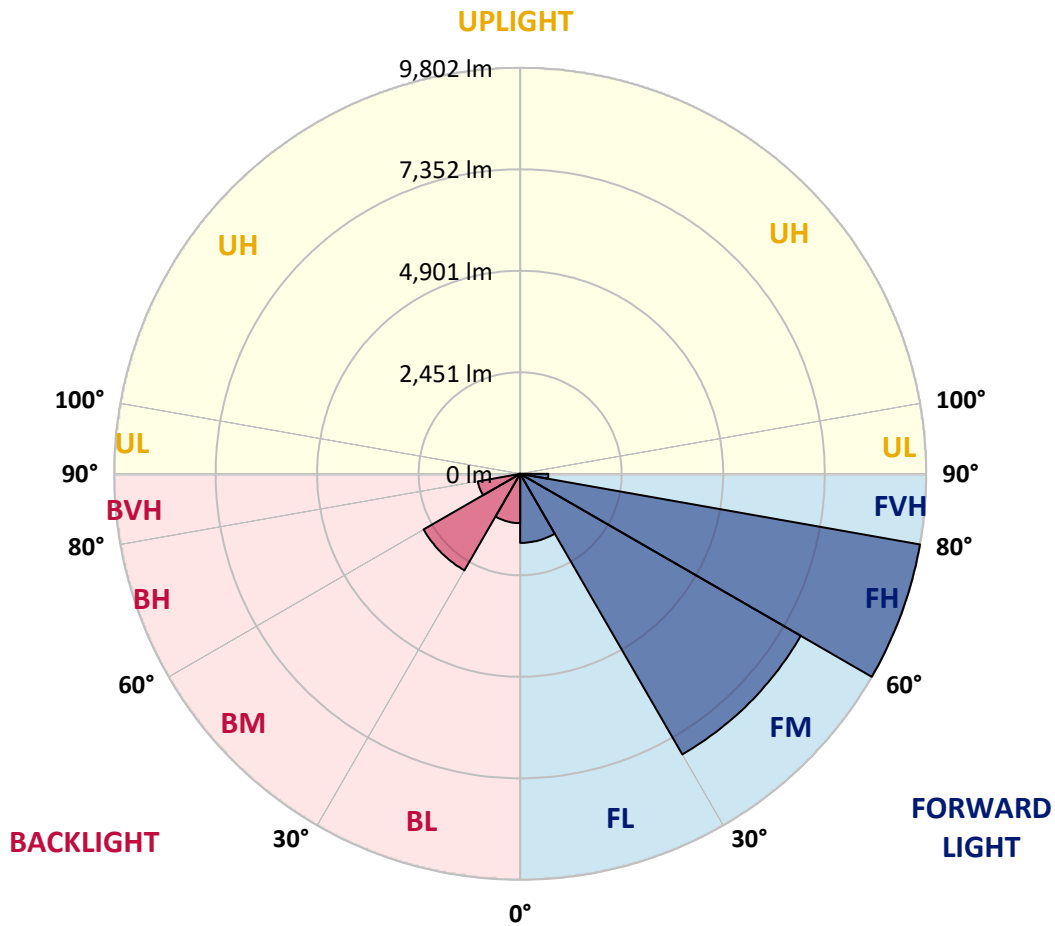
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1668.0	6.7			
FM (30°-60°)	7822.7	31.4			
FH (60°-80°)	9802.5	39.3			G4/12000
FVH (80°-90°)	679.9	2.7			G4/750
BL (0°-30°)	1191.4	4.8	B3/2500		
BM (30°-60°)	2692.0	10.8	B3/5000		
BH (60°-80°)	1038.1	4.2	B3/2500		G3/2500
BVH (80°-90°)	33.4	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°	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7
2.5°	3867.3	3896.5	3961.8	3996.1	4049.3	4052.8	4052.8	4006.4	4004.7	3910.2
5°	4322.4	4391.1	4545.6	4705.3	4739.7	4748.3	4731.1	4638.4	4569.7	4385.9
7.5°	4774.0	4906.3	5141.5	5354.5	5423.2	5423.2	5382.0	5230.8	5090.0	4823.8
10°	5148.4	5315.0	5634.4	5873.1	5952.1	5934.9	5850.8	5660.2	5466.1	5143.2
12.5°	5395.7	5582.9	5933.2	6125.5	6206.2	6161.6	6065.4	5880.0	5675.6	5335.6
15°	5519.3	5715.1	6019.1	6120.4	6098.1	6051.7	6039.7	5950.4	5795.8	5478.1
17.5°	5572.6	5754.6	5965.8	5902.3	5713.4	5677.3	5797.5	5910.9	5873.1	5601.8
20°	5622.4	5775.2	5838.7	5557.1	5227.4	5194.8	5424.9	5747.7	5912.6	5716.8
22.5°	5691.1	5785.5	5655.0	5193.1	4837.6	4762.0	5016.2	5502.2	5924.6	5862.8
25°	5785.5	5811.3	5452.4	4847.9	4490.7	4415.1	4652.1	5229.1	5904.0	6020.8
27.5°	5898.9	5845.6	5258.3	4559.4	4214.2	4143.8	4380.8	4966.4	5845.6	6178.8
30°	6046.5	5890.3	5066.0	4336.1	4016.7	3965.2	4193.6	4739.7	5773.5	6379.7
32.5°	6195.9	5909.2	4887.4	4205.6	3972.1	3991.0	4178.1	4617.8	5694.5	6572.0
35°	6357.4	5969.3	4799.8	4334.4	4344.7	4509.6	4586.9	4731.1	5682.5	6833.1
37.5°	6577.2	6103.2	4904.5	4975.0	5332.2	5673.9	5610.3	5285.8	5821.6	7222.9
40°	6893.2	6338.5	5361.3	6065.4	6798.7	7353.4	7111.3	6293.8	6247.5	7784.4
42.5°	7353.4	6712.8	6171.9	7398.0	8641.3	9554.9	8905.8	7593.8	6992.8	8586.4
45°	8033.4	7319.0	7152.5	8804.5	10913.3	12352.4	11002.6	8979.7	8036.9	9800.5
47.5°	8976.2	8210.3	8071.2	10286.5	13674.7	15536.2	13327.8	10264.2	9225.2	11456.0
50°	10228.1	9410.7	8941.9	11907.6	16702.3	18781.9	15651.3	11504.1	10587.0	13478.9
52.5°	11880.1	11085.0	9956.8	13451.4	19815.7	21958.8	17985.1	12592.8	12276.8	15826.4
55°	14133.2	13604.3	11344.3	14924.9	22927.4	25154.7	20227.8	13619.7	14509.3	18615.3
57.5°	16928.9	17306.7	13345.0	16633.6	25724.8	28448.4	22480.9	15055.4	17408.1	21733.9
60°	18732.1	22230.2	17176.2	19159.7	28903.5	32173.2	25568.6	17785.9	20454.5	22851.8
62.5°	18295.9	23796.3	21764.8	22384.7	31826.3	34881.4	28594.4	20528.4	21028.1	21205.0
65°	16958.1	22532.4	20828.9	23011.5	32566.5	35034.2	29403.2	20174.6	17837.4	17311.9
67.5°	15117.2	21033.2	18605.0	21349.2	31228.7	32897.9	27897.2	17846.0	13784.6	12991.2
70°	13130.3	19374.3	17145.3	19484.2	28678.6	29174.8	25336.7	15695.9	10138.8	8773.6
72.5°	11244.7	17646.8	16145.9	17572.9	25276.6	24249.7	22003.5	13794.9	7382.6	6328.2
75°	9316.2	15098.3	14722.2	15302.7	20803.1	19101.3	18282.1	11421.6	5794.1	4578.3
77.5°	7188.5	11797.7	12663.2	12254.5	14643.2	14188.2	14171.0	8583.0	4233.1	3055.0
80°	4920.0	8222.3	9893.2	8644.8	9503.4	9271.6	10672.9	5758.0	3070.5	1839.2
82.5°	2891.9	5005.9	6886.3	4185.0	5254.9	5394.0	6355.6	2800.9	1806.6	424.2
85°	1172.9	1976.6	2692.7	1638.3	2534.7	2138.0	2412.8	786.5	503.2	10.3
87.5°	295.4	632.0	443.1	183.7	293.7	269.6	212.9	96.2	20.6	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°
3451.7	0°	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7
3899.9	2.5°	3833.0	3793.5	3695.6	3597.7	3518.7	3412.2	3341.8	3257.7	3177.0	3104.8
4346.4	5°	4238.2	4107.7	3929.1	3766.0	3599.4	3438.0	3278.3	3110.0	2955.4	2861.0
4724.2	7.5°	4568.0	4337.8	4100.9	3893.1	3692.1	3503.2	3292.0	3087.7	2845.5	2716.7
5012.7	10°	4813.5	4511.3	4200.5	3961.8	3759.1	3575.4	3396.8	3190.7	2898.8	2737.3
5187.9	12.5°	4975.0	4616.0	4252.0	3978.9	3752.3	3609.7	3530.7	3450.0	3159.8	2970.9
5316.7	15°	5086.6	4689.9	4288.0	3939.4	3661.2	3556.5	3635.5	3728.2	3542.7	3324.7
5450.6	17.5°	5208.5	4786.1	4303.5	3833.0	3484.4	3439.7	3644.1	3858.7	3850.1	3633.8
5577.7	20°	5337.3	4870.2	4293.2	3661.2	3269.7	3309.2	3570.2	3819.2	3924.0	3807.2
5723.7	22.5°	5469.5	4950.9	4253.7	3438.0	3068.8	3192.4	3453.4	3671.5	3795.2	3759.1
5902.3	25°	5636.1	5064.3	4195.3	3197.6	2902.2	3073.9	3317.8	3494.7	3580.5	3578.8
6094.6	27.5°	5835.3	5215.4	4164.4	3003.5	2783.7	2940.0	3156.4	3314.3	3374.5	3374.5
6333.3	30°	6067.1	5394.0	4130.1	2876.4	2715.0	2800.9	2969.2	3123.7	3183.8	3183.8
6594.4	32.5°	6324.7	5565.7	4047.6	2799.2	2663.5	2665.2	2771.7	2912.5	2984.6	2994.9
6920.6	35°	6633.8	5749.4	3867.3	2737.3	2603.4	2533.0	2584.5	2701.3	2787.1	2809.5
7386.0	37.5°	7039.1	5974.4	3609.7	2646.3	2510.7	2393.9	2405.9	2495.2	2589.7	2624.0
8028.3	40°	7583.5	6238.9	3341.8	2515.8	2380.1	2241.0	2235.9	2301.2	2393.9	2431.7
8897.2	42.5°	8303.0	6556.6	3085.9	2390.5	2222.2	2079.6	2071.0	2122.6	2203.3	2242.8
10044.4	45°	9223.5	6946.4	2866.1	2292.6	2067.6	1926.8	1923.4	1966.3	2036.7	2077.9
11512.6	47.5°	10502.9	7336.2	2716.7	2241.0	1945.7	1801.4	1808.3	1846.1	1909.6	1938.8
13413.7	50°	12170.4	7454.7	2641.2	2241.0	1880.4	1689.8	1724.1	1755.1	1803.1	1820.3
15692.5	52.5°	13770.9	7063.2	2572.5	2254.8	1889.0	1595.4	1669.2	1691.5	1732.7	1739.6
17804.7	55°	14555.7	6072.3	2478.0	2258.2	1942.2	1514.6	1624.5	1665.8	1681.2	1679.5
19030.9	57.5°	14286.0	4909.7	2318.3	2244.5	1978.3	1463.1	1569.6	1648.6	1658.9	1643.4
18797.3	60°	13339.8	3614.9	2196.4	2143.2	1964.6	1447.7	1485.4	1610.8	1626.3	1605.7
16997.6	62.5°	11753.1	2508.9	2101.9	1919.9	1904.5	1442.5	1353.2	1528.4	1566.2	1537.0
13662.7	65°	9252.7	1772.2	1810.0	1682.9	1773.9	1415.0	1215.8	1428.8	1480.3	1435.6
9912.1	67.5°	6261.2	1279.4	1466.6	1524.9	1562.7	1353.2	1116.2	1315.4	1384.1	1325.7
6360.8	70°	3381.3	898.1	968.5	1284.5	1327.5	1246.7	1026.9	1200.4	1279.4	1215.8
4521.6	72.5°	1997.2	645.7	678.3	1032.1	1105.9	1097.3	927.3	1066.4	1162.6	1087.0
3120.3	75°	1100.8	436.2	484.3	748.7	898.1	846.6	796.8	903.3	1001.2	927.3
1956.0	77.5°	492.9	261.0	336.6	491.1	705.8	580.4	616.5	704.1	795.1	717.8
1088.8	80°	190.6	146.0	223.2	267.9	513.5	321.1	396.7	518.6	583.9	522.1
237.0	82.5°	24.0	65.3	96.2	104.8	298.8	170.0	230.1	326.3	321.1	278.2
0.0	85°	0.0	12.0	13.7	6.9	128.8	61.8	75.6	106.5	99.6	75.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	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°
3451.7	0°	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7
3091.1	2.5°	3007.0	2945.1	2914.2	2888.5	2912.5	2926.2	2926.2	2984.6	3019.0	3032.7
2800.9	5°	2649.8	2534.7	2457.4	2411.1	2426.5	2443.7	2462.6	2536.4	2586.2	2618.9
2600.0	7.5°	2368.1	2193.0	2084.8	2028.1	2036.7	2048.7	2064.2	2136.3	2186.1	2229.0
2562.2	10°	2229.0	1981.7	1839.2	1770.5	1758.5	1751.6	1746.5	1789.4	1827.2	1861.5
2716.7	12.5°	2235.9	1890.7	1717.3	1633.1	1597.1	1555.9	1523.2	1530.1	1554.1	1597.1
2993.2	15°	2323.5	1861.5	1653.7	1549.0	1488.9	1440.8	1401.3	1392.7	1401.3	1408.2
3309.2	17.5°	2442.0	1858.1	1598.8	1468.3	1406.5	1367.0	1330.9	1318.9	1320.6	1329.2
3518.7	20°	2536.4	1847.8	1537.0	1391.0	1336.0	1301.7	1265.6	1253.6	1257.0	1258.8
3539.3	22.5°	2586.2	1832.3	1468.3	1313.7	1267.4	1233.0	1200.4	1198.7	1198.7	1209.0
3427.7	25°	2586.2	1799.7	1406.5	1239.9	1198.7	1167.7	1128.3	1135.1	1138.6	1152.3
3254.2	27.5°	2524.4	1737.9	1356.7	1176.3	1133.4	1102.5	1066.4	1075.0	1080.2	1095.6
3082.5	30°	2445.4	1664.0	1300.0	1116.2	1066.4	1044.1	1013.2	1016.6	1023.5	1040.7
2922.8	32.5°	2361.3	1576.5	1253.6	1056.1	1006.3	989.2	954.8	960.0	966.8	985.7
2764.8	35°	2268.5	1473.4	1198.7	1001.2	951.4	937.6	898.1	901.6	911.9	932.5
2594.8	37.5°	2170.6	1389.3	1143.7	947.9	896.4	882.7	841.5	844.9	856.9	881.0
2416.2	40°	2074.5	1306.8	1085.3	891.3	839.7	827.7	783.1	786.5	800.3	826.0
2235.9	42.5°	1969.7	1243.3	1009.8	832.9	777.9	765.9	724.7	729.8	745.3	771.1
2069.3	45°	1844.4	1202.1	925.6	777.9	716.1	704.1	666.3	676.6	693.8	719.5
1926.8	47.5°	1715.6	1184.9	855.2	719.5	652.6	642.3	611.4	628.5	647.4	668.0
1804.9	50°	1591.9	1162.6	783.1	664.6	597.6	587.3	566.7	589.0	607.9	626.8
1717.3	52.5°	1451.1	1114.5	717.8	616.5	551.2	547.8	537.5	558.1	575.3	592.5
1641.7	55°	1305.1	1037.2	661.2	573.6	511.7	515.2	510.0	527.2	540.9	556.4
1573.0	57.5°	1178.1	939.4	616.5	527.2	477.4	487.7	480.8	489.4	498.0	516.9
1490.6	60°	1049.3	822.6	566.7	472.3	443.1	455.1	436.2	434.5	437.9	443.1
1368.7	62.5°	875.8	700.6	504.9	424.2	405.3	410.4	374.4	346.9	346.9	352.0
1198.7	65°	704.1	587.3	436.2	369.2	353.8	350.3	298.8	261.0	257.6	273.0
1001.2	67.5°	578.7	487.7	367.5	307.4	297.1	300.5	262.7	225.0	221.5	238.7
815.7	70°	479.1	393.3	293.7	237.0	247.3	262.7	225.0	188.9	183.7	199.2
662.9	72.5°	381.2	307.4	225.0	175.2	204.4	223.2	183.7	149.4	146.0	159.7
511.7	75°	279.9	219.8	152.8	127.1	158.0	175.2	133.9	106.5	101.3	113.3
341.7	77.5°	173.4	123.6	96.2	75.6	108.2	116.8	70.4	61.8	60.1	68.7
207.8	80°	80.7	53.2	46.4	25.8	39.5	46.4	29.2	32.6	34.3	41.2
104.8	82.5°	22.3	8.6	1.7	0.0	0.0	13.7	6.9	13.7	17.2	25.8
8.6	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	8.6	15.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
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°
3451.7	0°	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7
3128.9	2.5°	3201.0	3269.7	3379.6	3492.9	3604.6	3717.9	3827.8	3867.3
2768.3	5°	2903.9	3061.9	3280.0	3513.6	3754.0	3997.8	4221.1	4322.4
2395.6	7.5°	2572.5	2799.2	3127.2	3492.9	3875.9	4258.9	4610.9	4774.0
2026.4	10°	2218.7	2505.5	2879.9	3374.5	3924.0	4452.9	4937.2	5148.4
1701.8	12.5°	1882.1	2182.7	2596.5	3189.0	3886.2	4564.5	5146.7	5395.7
1473.4	15°	1600.5	1866.7	2313.2	2969.2	3764.3	4571.4	5246.3	5519.3
1346.3	17.5°	1389.3	1562.7	2024.7	2725.3	3604.6	4507.9	5280.6	5572.6
1277.7	20°	1284.5	1332.6	1650.3	2412.8	3455.2	4447.8	5315.0	5622.4
1222.7	22.5°	1222.7	1234.7	1349.8	2009.2	3276.6	4428.9	5375.1	5691.1
1172.9	25°	1172.9	1176.3	1207.2	1591.9	3003.5	4416.8	5467.8	5785.5
1121.4	27.5°	1123.1	1123.1	1140.3	1282.8	2632.6	4365.3	5588.0	5898.9
1069.9	30°	1073.3	1073.3	1085.3	1135.1	2198.1	4264.0	5732.3	6046.5
1018.3	32.5°	1021.8	1021.8	1032.1	1068.1	1755.1	4136.9	5864.5	6195.9
965.1	35°	970.3	966.8	980.6	1018.3	1396.1	3975.5	5996.7	6357.4
911.9	37.5°	915.3	913.6	927.3	970.3	1205.5	3788.3	6096.3	6577.2
858.6	40°	856.9	856.9	872.4	918.7	1150.6	3553.0	6254.3	6893.2
803.7	42.5°	803.7	800.3	817.4	874.1	1109.4	3328.1	6537.7	7353.4
753.9	45°	752.2	745.3	760.8	831.2	1037.2	3249.1	7066.6	8033.4
705.8	47.5°	704.1	686.9	700.6	779.6	972.0	3544.5	7932.1	8976.2
662.9	50°	664.6	632.0	644.0	728.1	922.2	4185.0	9055.2	10228.1
623.4	52.5°	623.4	580.4	587.3	664.6	877.5	4794.6	10272.8	11880.1
583.9	55°	580.4	532.4	535.8	601.0	814.0	4885.7	11461.1	14133.2
539.2	57.5°	532.4	487.7	487.7	542.7	767.6	4234.8	12374.7	16928.9
484.3	60°	479.1	449.9	441.3	496.3	808.8	2988.1	12481.2	18732.1
413.9	62.5°	420.7	405.3	393.3	451.6	839.7	1770.5	11624.3	18295.9
326.3	65°	353.8	350.3	341.7	496.3	707.5	1045.8	9979.1	16958.1
278.2	67.5°	297.1	291.9	291.9	520.3	537.5	657.7	7796.4	15117.2
237.0	70°	255.9	237.0	237.0	393.3	326.3	455.1	5443.8	13130.3
195.8	72.5°	214.7	194.1	180.3	314.3	243.9	333.2	3401.9	11244.7
149.4	75°	171.7	156.3	139.1	207.8	182.0	252.4	1976.6	9316.2
94.5	77.5°	123.6	116.8	97.9	152.8	132.2	182.0	1176.3	7188.5
58.4	80°	63.5	65.3	61.8	87.6	89.3	123.6	669.7	4920.0
37.8	82.5°	37.8	29.2	32.6	42.9	51.5	70.4	252.4	2891.9
27.5	85°	24.0	15.5	15.5	20.6	25.8	27.5	77.3	1172.9
13.7	87.5°	12.0	5.2	6.9	10.3	8.6	6.9	3.4	295.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)