

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: P954289

Luminaire Tested: **GALN-SB7C-830-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954289
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-SB7C-830-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 615mA 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: 36524 lumens
Efficiency: N/A
Efficacy: 104.2 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

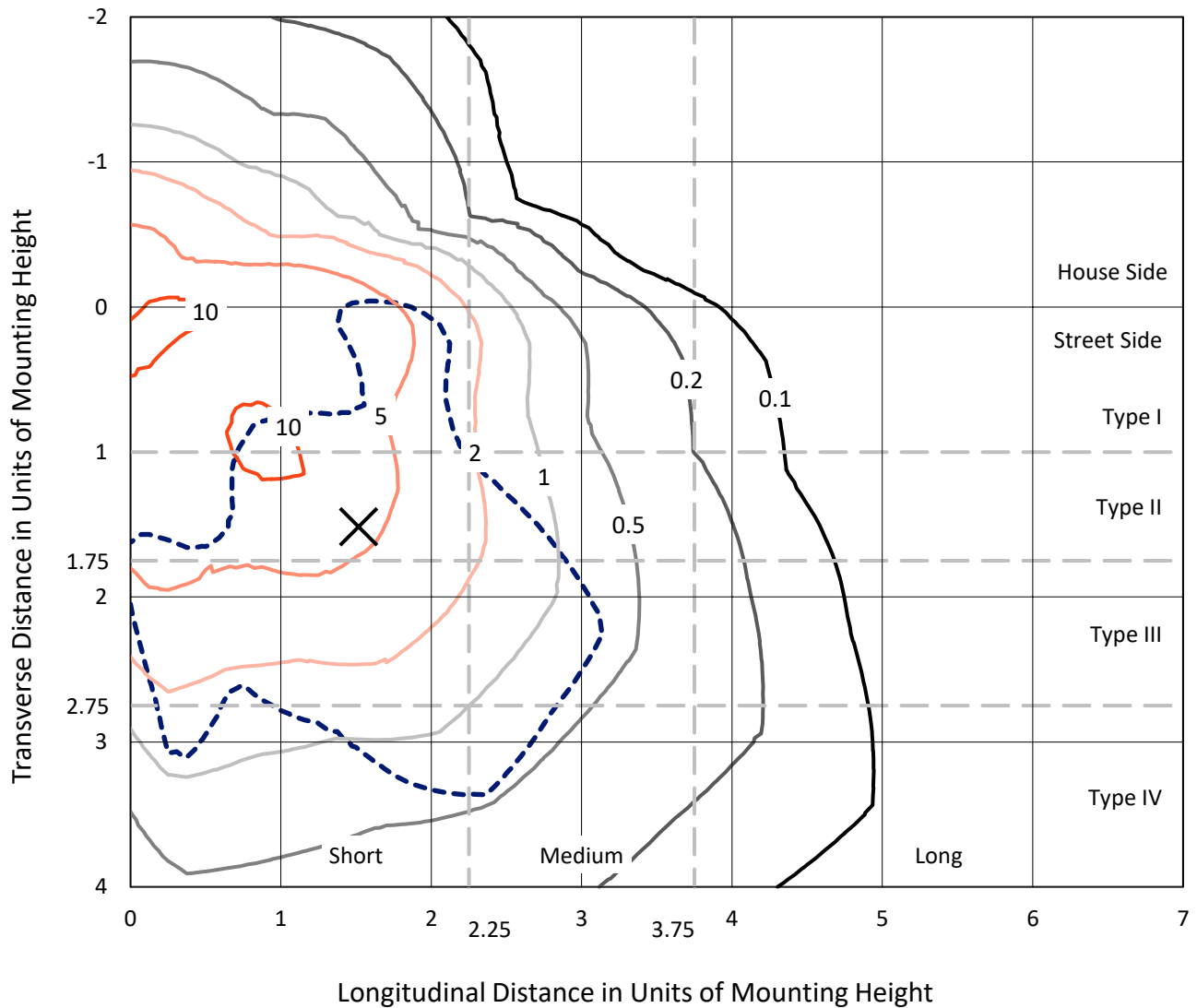
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

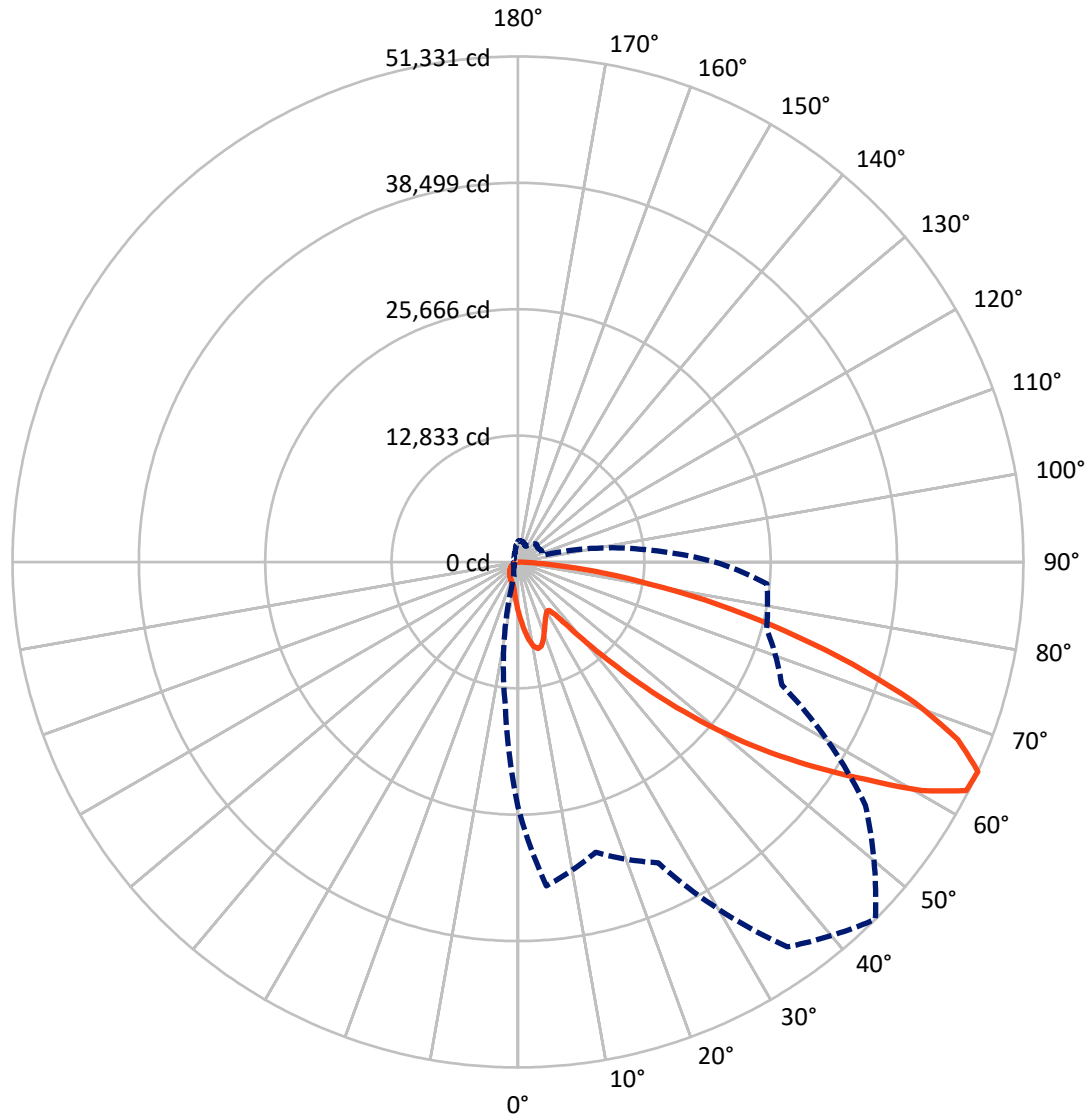
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 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	7259.8	0.0	7259.8
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	29264.2	0.0	29264.2
	% Fixture	80.1	0.0	80.1
Total	Lumens	36524.0	0.0	36524.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.9	1.4
10°-20°	1492.6	4.1
20°-30°	2198.9	6.0
30°-40°	2825.0	7.7
40°-50°	4568.9	12.5
50°-60°	8012.0	21.9
60°-70°	10025.2	27.4
70°-80°	5858.3	16.0
80°-90°	1045.2	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°	36524.0	100.0
0°-180°	36524.0	100.0



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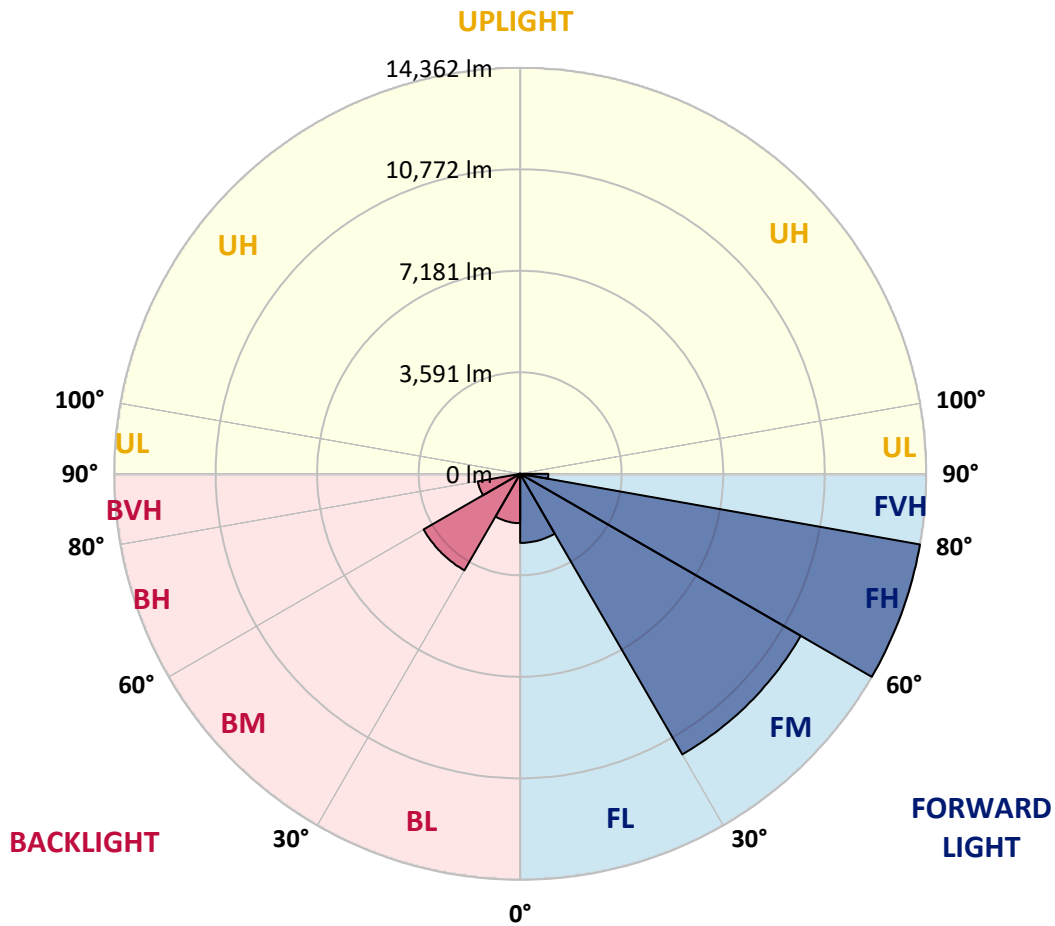
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2443.9	6.7			
FM (30°-60°)	11461.7	31.4			
FH (60°-80°)	14362.4	39.3			G5
FVH (80°-90°)	996.2	2.7			G5
BL (0°-30°)	1745.6	4.8	B3/2500		
BM (30°-60°)	3944.2	10.8	B3/5000		
BH (60°-80°)	1521.1	4.2	B3/2500		G3/2500
BVH (80°-90°)	49.0	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°
0°	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4
2.5°	5666.3	5709.1	5804.7	5855.0	5933.0	5938.0	5938.0	5870.1	5867.6	5729.2
5°	6333.1	6433.7	6660.2	6894.2	6944.5	6957.1	6931.9	6796.0	6695.4	6426.2
7.5°	6994.8	7188.6	7533.3	7845.3	7945.9	7945.9	7885.5	7664.1	7457.8	7067.8
10°	7543.3	7787.4	8255.4	8605.1	8720.9	8695.7	8572.4	8293.1	8008.8	7535.8
12.5°	7905.7	8179.9	8693.2	8975.0	9093.3	9027.8	8886.9	8615.2	8315.8	7817.6
15°	8086.8	8373.7	8819.0	8967.5	8934.7	8866.8	8849.2	8718.4	8491.9	8026.4
17.5°	8164.8	8431.5	8741.0	8647.9	8371.1	8318.3	8494.4	8660.5	8605.1	8207.6
20°	8237.8	8461.7	8554.8	8142.2	7659.1	7611.3	7948.4	8421.5	8663.0	8376.2
22.5°	8338.4	8476.8	8285.6	7608.8	7087.9	6977.2	7349.6	8061.7	8680.6	8590.0
25°	8476.8	8514.6	7988.7	7103.0	6579.7	6468.9	6816.2	7661.6	8650.4	8821.5
27.5°	8642.9	8564.9	7704.4	6680.3	6174.6	6071.4	6418.6	7276.6	8564.9	9053.0
30°	8859.3	8630.3	7422.6	6353.2	5885.2	5809.7	6144.4	6944.5	8459.2	9347.4
32.5°	9078.2	8658.0	7160.9	6162.0	5819.8	5847.5	6121.7	6765.9	8343.5	9629.2
35°	9314.7	8746.0	7032.6	6350.7	6365.8	6607.3	6720.6	6931.9	8325.8	10011.6
37.5°	9636.7	8942.3	7186.0	7289.2	7812.6	8313.3	8220.2	7744.6	8529.7	10582.8
40°	10099.7	9287.0	7855.3	8886.9	9961.3	10774.0	10419.3	9221.6	9153.7	11405.6
42.5°	10774.0	9835.5	9042.9	10839.5	12661.1	13999.7	13048.6	11126.3	10245.6	12580.6
45°	11770.4	10723.7	10479.6	12900.2	15990.0	18098.5	16120.8	13156.8	11775.5	14359.5
47.5°	13151.8	12029.6	11825.8	15071.6	20035.9	22763.4	19527.6	15038.9	13516.6	16785.1
50°	14986.0	13788.3	13101.4	17446.8	24471.8	27518.8	22931.9	16855.5	15511.9	19749.0
52.5°	17406.5	16241.6	14588.5	19708.8	29033.5	32173.7	26351.3	18450.7	17987.8	23188.6
55°	20707.7	19932.7	16621.5	21867.6	33592.7	36856.2	29637.4	19955.4	21258.7	27274.8
57.5°	24803.9	25357.5	19552.8	24371.2	37691.5	41682.1	32938.6	22058.8	25505.9	31844.0
60°	27445.9	32571.2	25166.3	28072.4	42348.9	47139.5	37462.5	26059.5	29969.5	33482.0
62.5°	26806.8	34865.9	31889.3	32797.7	46631.3	51107.5	41895.9	30077.7	30809.9	31069.1
65°	24846.7	33014.0	30518.0	33716.0	47715.7	51331.4	43081.0	29559.4	26135.0	25365.0
67.5°	22149.4	30817.5	27259.7	31280.4	45755.7	48201.4	40874.4	26147.5	20196.9	19034.5
70°	19238.3	28386.9	25121.0	28547.9	42019.2	42746.4	37122.9	22997.4	14855.2	12854.9
72.5°	16475.6	25855.7	23656.6	25747.5	37034.8	35530.2	32239.1	20212.0	10816.8	9271.9
75°	13650.0	22121.7	21570.7	22421.2	30480.3	27986.8	26786.6	16734.7	8489.4	6708.0
77.5°	10532.5	17285.8	18553.9	17955.0	21455.0	20788.2	20763.0	12575.6	6202.2	4476.2
80°	7208.7	12047.2	14495.4	12666.2	13924.2	13584.5	15637.7	8436.6	4498.8	2694.8
82.5°	4237.1	7334.5	10089.6	6131.8	7699.3	7903.1	9312.2	4103.8	2647.0	621.5
85°	1718.5	2896.1	3945.3	2400.4	3713.8	3132.6	3535.2	1152.4	737.2	15.1
87.5°	432.8	925.9	649.2	269.2	430.3	395.0	312.0	140.9	30.2	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°
5057.4	0°	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4
5714.1	2.5°	5616.0	5558.1	5414.7	5271.3	5155.5	4999.5	4896.4	4773.1	4654.8	4549.1
6368.3	5°	6209.8	6018.6	5756.9	5517.9	5273.8	5037.3	4803.3	4556.7	4330.2	4191.9
6921.9	7.5°	6692.9	6355.7	6008.5	5704.0	5409.7	5132.9	4823.4	4524.0	4169.2	3980.5
7344.6	10°	7052.7	6609.9	6154.4	5804.7	5507.8	5238.6	4976.9	4675.0	4247.2	4010.7
7601.2	12.5°	7289.2	6763.3	6229.9	5829.9	5497.7	5288.9	5173.1	5054.9	4629.7	4352.9
7789.9	15°	7452.8	6871.5	6282.8	5772.0	5364.4	5210.9	5326.6	5462.5	5190.8	4871.2
7986.2	17.5°	7631.4	7012.4	6305.4	5616.0	5105.2	5039.8	5339.2	5653.7	5641.1	5324.1
8172.4	20°	7820.1	7135.7	6290.3	5364.4	4790.7	4848.6	5231.0	5595.9	5749.3	5578.2
8386.2	22.5°	8013.8	7254.0	6232.4	5037.3	4496.3	4677.5	5059.9	5379.5	5560.6	5507.8
8647.9	25°	8257.9	7420.0	6146.9	4685.0	4252.2	4503.9	4861.1	5120.3	5246.1	5243.6
8929.7	27.5°	8549.8	7641.5	6101.6	4400.7	4078.6	4307.6	4624.6	4856.1	4944.2	4944.2
9279.5	30°	8889.5	7903.1	6051.3	4214.5	3978.0	4103.8	4350.4	4576.8	4664.9	4664.9
9661.9	32.5°	9266.9	8154.8	5930.5	4101.3	3902.5	3905.0	4061.0	4267.3	4373.0	4388.1
10140.0	35°	9719.8	8424.0	5666.3	4010.7	3814.4	3711.3	3786.8	3957.9	4083.7	4116.4
10821.8	37.5°	10313.6	8753.6	5288.9	3877.3	3678.6	3507.5	3525.1	3655.9	3794.3	3844.6
11762.9	40°	11111.2	9141.1	4896.4	3686.1	3487.3	3283.5	3276.0	3371.6	3507.5	3562.8
13036.0	42.5°	12165.5	9606.6	4521.5	3502.4	3255.9	3047.0	3034.4	3109.9	3228.2	3286.1
14716.8	45°	13514.1	10177.7	4199.4	3359.0	3029.4	2823.1	2818.1	2881.0	2984.1	3044.5
16868.1	47.5°	15388.6	10748.9	3980.5	3283.5	2850.8	2639.4	2649.5	2704.8	2797.9	2840.7
19653.4	50°	17831.8	10922.5	3869.8	3283.5	2755.2	2475.9	2526.2	2571.5	2641.9	2667.1
22992.3	52.5°	20176.8	10348.8	3769.2	3303.7	2767.7	2337.5	2445.7	2478.4	2538.8	2548.8
26087.2	55°	21326.7	8897.0	3630.8	3308.7	2845.7	2219.2	2380.3	2440.6	2463.3	2460.8
27883.7	57.5°	20931.6	7193.6	3396.8	3288.6	2898.6	2143.7	2299.7	2415.5	2430.6	2407.9
27541.5	60°	19545.2	5296.4	3218.1	3140.1	2878.4	2121.1	2176.4	2360.1	2382.8	2352.6
24904.6	62.5°	17220.3	3676.1	3079.7	2813.0	2790.4	2113.5	1982.7	2239.3	2294.7	2251.9
20018.3	65°	13556.9	2596.6	2652.0	2465.8	2599.2	2073.3	1781.4	2093.4	2168.9	2103.5
14523.1	67.5°	9173.8	1874.5	2148.8	2234.3	2289.7	1982.7	1635.5	1927.3	2028.0	1942.4
9319.7	70°	4954.2	1315.9	1419.1	1882.1	1945.0	1826.7	1504.6	1758.8	1874.5	1781.4
6624.9	72.5°	2926.2	946.1	993.9	1512.2	1620.4	1607.8	1358.7	1562.5	1703.4	1592.7
4571.8	75°	1612.8	639.1	709.5	1097.0	1315.9	1240.4	1167.5	1323.5	1466.9	1358.7
2865.9	77.5°	722.1	382.5	493.2	719.6	1034.1	850.4	903.3	1031.6	1165.0	1051.7
1595.2	80°	279.3	213.9	327.1	392.5	752.3	470.5	581.2	759.9	855.5	764.9
347.2	82.5°	35.2	95.6	140.9	153.5	437.8	249.1	337.2	478.1	470.5	407.6
0.0	85°	0.0	17.6	20.1	10.1	188.7	90.6	110.7	156.0	145.9	110.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	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°
5057.4	0°	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4
4529.0	2.5°	4405.7	4315.1	4269.9	4232.1	4267.3	4287.5	4287.5	4373.0	4423.3	4443.5
4103.8	5°	3882.4	3713.8	3600.6	3532.6	3555.3	3580.4	3608.1	3716.3	3789.3	3837.1
3809.4	7.5°	3469.7	3213.1	3054.6	2971.5	2984.1	3001.7	3024.4	3130.1	3203.0	3265.9
3754.1	10°	3265.9	2903.6	2694.8	2594.1	2576.5	2566.4	2558.9	2621.8	2677.2	2727.5
3980.5	12.5°	3276.0	2770.3	2516.1	2392.8	2340.0	2279.6	2231.8	2241.9	2277.1	2340.0
4385.6	15°	3404.3	2727.5	2423.0	2269.5	2181.5	2111.0	2053.2	2040.6	2053.2	2063.2
4848.6	17.5°	3577.9	2722.4	2342.5	2151.3	2060.7	2002.8	1950.0	1932.4	1934.9	1947.5
5155.5	20°	3716.3	2707.3	2251.9	2038.1	1957.5	1907.2	1854.4	1836.8	1841.8	1844.3
5185.7	22.5°	3789.3	2684.7	2151.3	1924.8	1856.9	1806.6	1758.8	1756.3	1756.3	1771.3
5022.2	25°	3789.3	2636.9	2060.7	1816.6	1756.3	1711.0	1653.1	1663.2	1668.2	1688.3
4768.1	27.5°	3698.7	2546.3	1987.7	1723.5	1660.6	1615.4	1562.5	1575.1	1582.6	1605.3
4516.4	30°	3583.0	2438.1	1904.7	1635.5	1562.5	1529.8	1484.5	1489.5	1499.6	1524.8
4282.4	32.5°	3459.7	2309.8	1836.8	1547.4	1474.4	1449.3	1399.0	1406.5	1416.6	1444.3
4051.0	35°	3323.8	2158.8	1756.3	1466.9	1393.9	1373.8	1315.9	1321.0	1336.1	1366.3
3801.9	37.5°	3180.4	2035.5	1675.7	1388.9	1313.4	1293.3	1232.9	1237.9	1255.5	1290.8
3540.2	40°	3039.5	1914.8	1590.2	1305.9	1230.4	1212.8	1147.4	1152.4	1172.5	1210.3
3276.0	42.5°	2886.0	1821.7	1479.5	1220.3	1139.8	1122.2	1061.8	1069.4	1092.0	1129.7
3031.9	45°	2702.3	1761.3	1356.2	1139.8	1049.2	1031.6	976.3	991.4	1016.5	1054.3
2823.1	47.5°	2513.6	1736.1	1253.0	1054.3	956.1	941.0	895.7	920.9	948.6	978.8
2644.4	50°	2332.4	1703.4	1147.4	973.7	875.6	860.5	830.3	863.0	890.7	918.4
2516.1	52.5°	2126.1	1633.0	1051.7	903.3	807.7	802.6	787.5	817.7	842.9	868.1
2405.4	55°	1912.3	1519.7	968.7	840.4	749.8	754.8	747.3	772.4	792.6	815.2
2304.8	57.5°	1726.1	1376.3	903.3	772.4	699.5	714.6	704.5	717.1	729.7	757.4
2184.0	60°	1537.4	1205.2	830.3	691.9	649.2	666.8	639.1	636.6	641.6	649.2
2005.3	62.5°	1283.2	1026.6	739.7	621.5	593.8	601.4	548.5	508.3	508.3	515.8
1756.3	65°	1031.6	860.5	639.1	541.0	518.3	513.3	437.8	382.5	377.4	400.1
1466.9	67.5°	847.9	714.6	538.5	450.4	435.3	440.3	385.0	329.6	324.6	349.7
1195.2	70°	702.0	576.2	430.3	347.2	362.3	385.0	329.6	276.8	269.2	291.9
971.2	72.5°	558.6	450.4	329.6	256.6	299.4	327.1	269.2	218.9	213.9	234.0
749.8	75°	410.1	322.1	223.9	186.2	231.5	256.6	196.3	156.0	148.5	166.1
500.7	77.5°	254.1	181.2	140.9	110.7	158.5	171.1	103.2	90.6	88.1	100.6
304.5	80°	118.3	78.0	67.9	37.7	57.9	67.9	42.8	47.8	50.3	60.4
153.5	82.5°	32.7	12.6	2.5	0.0	0.0	20.1	10.1	20.1	25.2	37.7
12.6	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	12.6	22.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1
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°
5057.4	0°	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4	5057.4
4584.4	2.5°	4690.1	4790.7	4951.7	5117.8	5281.3	5447.4	5608.4	5666.3
4056.0	5°	4254.8	4486.2	4805.8	5148.0	5500.2	5857.5	6184.6	6333.1
3510.0	7.5°	3769.2	4101.3	4581.9	5117.8	5678.9	6240.0	6755.8	6994.8
2969.0	10°	3250.8	3671.0	4219.5	4944.2	5749.3	6524.3	7233.9	7543.3
2493.5	12.5°	2757.7	3198.0	3804.4	4672.4	5694.0	6687.9	7540.8	7905.7
2158.8	15°	2345.0	2735.0	3389.2	4350.4	5515.3	6697.9	7686.8	8086.8
1972.6	17.5°	2035.5	2289.7	2966.5	3993.1	5281.3	6604.8	7737.1	8164.8
1872.0	20°	1882.1	1952.5	2418.0	3535.2	5062.4	6516.8	7787.4	8237.8
1791.5	22.5°	1791.5	1809.1	1977.7	2943.9	4800.8	6489.1	7875.5	8338.4
1718.5	25°	1718.5	1723.5	1768.8	2332.4	4400.7	6471.5	8011.3	8476.8
1643.0	27.5°	1645.5	1645.5	1670.7	1879.5	3857.2	6396.0	8187.5	8642.9
1567.5	30°	1572.6	1572.6	1590.2	1663.2	3220.6	6247.5	8398.8	8859.3
1492.1	32.5°	1497.1	1497.1	1512.2	1565.0	2571.5	6061.3	8592.6	9078.2
1414.1	35°	1421.6	1416.6	1436.7	1492.1	2045.6	5824.8	8786.3	9314.7
1336.1	37.5°	1341.1	1338.6	1358.7	1421.6	1766.3	5550.6	8932.2	9636.7
1258.1	40°	1255.5	1255.5	1278.2	1346.1	1685.8	5205.9	9163.7	10099.7
1177.5	42.5°	1177.5	1172.5	1197.7	1280.7	1625.4	4876.2	9578.9	10774.0
1104.6	45°	1102.1	1092.0	1114.6	1217.8	1519.7	4760.5	10353.8	11770.4
1034.1	47.5°	1031.6	1006.4	1026.6	1142.3	1424.1	5193.3	11622.0	13151.8
971.2	50°	973.7	925.9	943.5	1066.8	1351.2	6131.8	13267.5	14986.0
913.4	52.5°	913.4	850.4	860.5	973.7	1285.7	7025.0	15051.4	17406.5
855.5	55°	850.4	780.0	785.0	880.6	1192.6	7158.4	16792.6	20707.7
790.1	57.5°	780.0	714.6	714.6	795.1	1124.7	6204.8	18131.2	24803.9
709.5	60°	702.0	659.2	646.6	727.2	1185.1	4378.1	18287.2	27445.9
606.4	62.5°	616.4	593.8	576.2	661.7	1230.4	2594.1	17031.6	26806.8
478.1	65°	518.3	513.3	500.7	727.2	1036.6	1532.3	14621.2	24846.7
407.6	67.5°	435.3	427.7	427.7	762.4	787.5	963.7	11423.2	22149.4
347.2	70°	374.9	347.2	347.2	576.2	478.1	666.8	7976.1	19238.3
286.8	72.5°	314.5	284.3	264.2	460.5	357.3	488.1	4984.4	16475.6
218.9	75°	251.6	229.0	203.8	304.5	266.7	369.9	2896.1	13650.0
138.4	77.5°	181.2	171.1	143.4	223.9	193.7	266.7	1723.5	10532.5
85.5	80°	93.1	95.6	90.6	128.3	130.8	181.2	981.3	7208.7
55.4	82.5°	55.4	42.8	47.8	62.9	75.5	103.2	369.9	4237.1
40.3	85°	35.2	22.6	22.6	30.2	37.7	40.3	113.2	1718.5
20.1	87.5°	17.6	7.5	10.1	15.1	12.6	10.1	5.0	432.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)