

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: P951349

Luminaire Tested: **GALN-SB5C-740-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951349
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-SB5C-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 4000K, 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: 30546 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

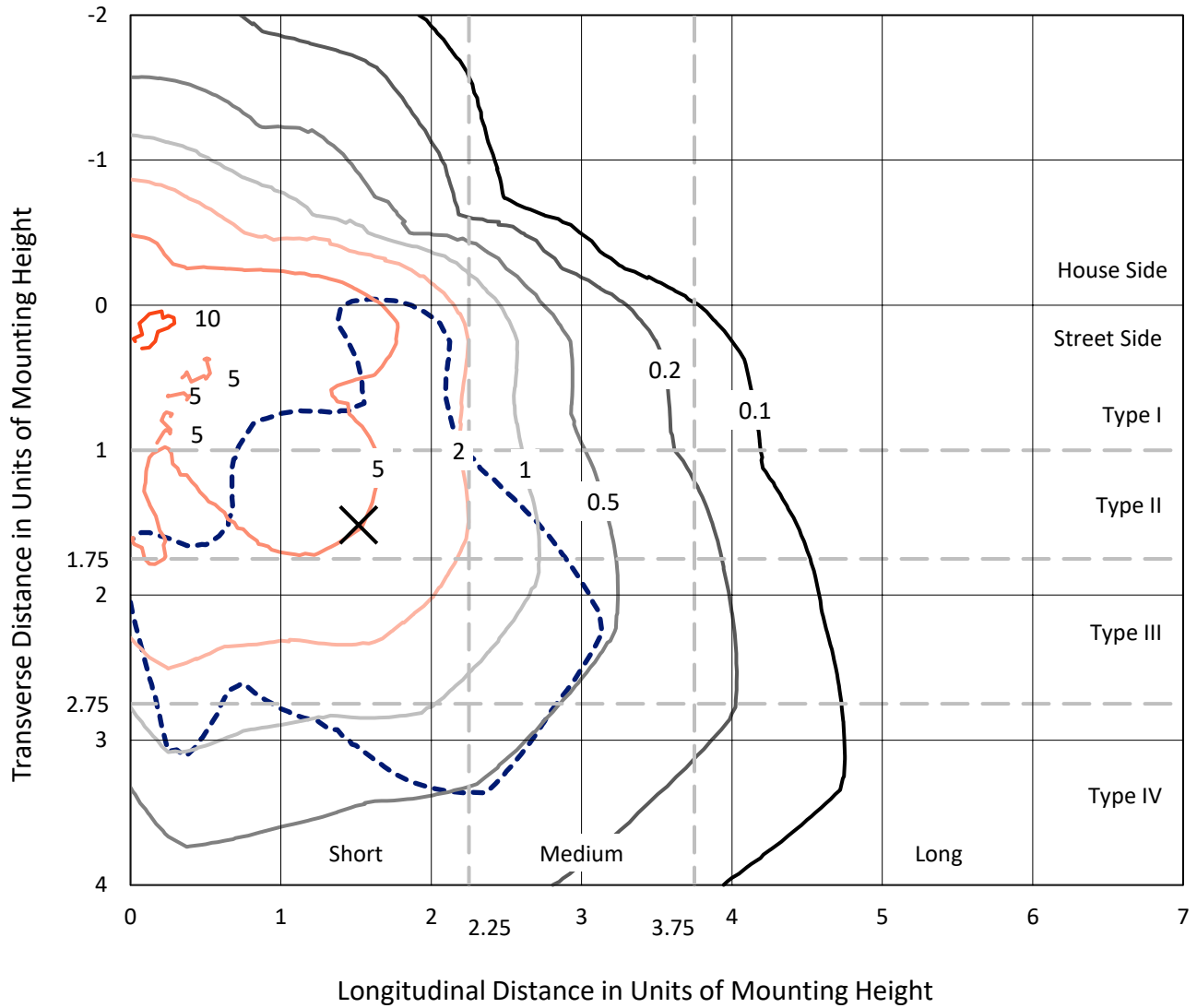
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

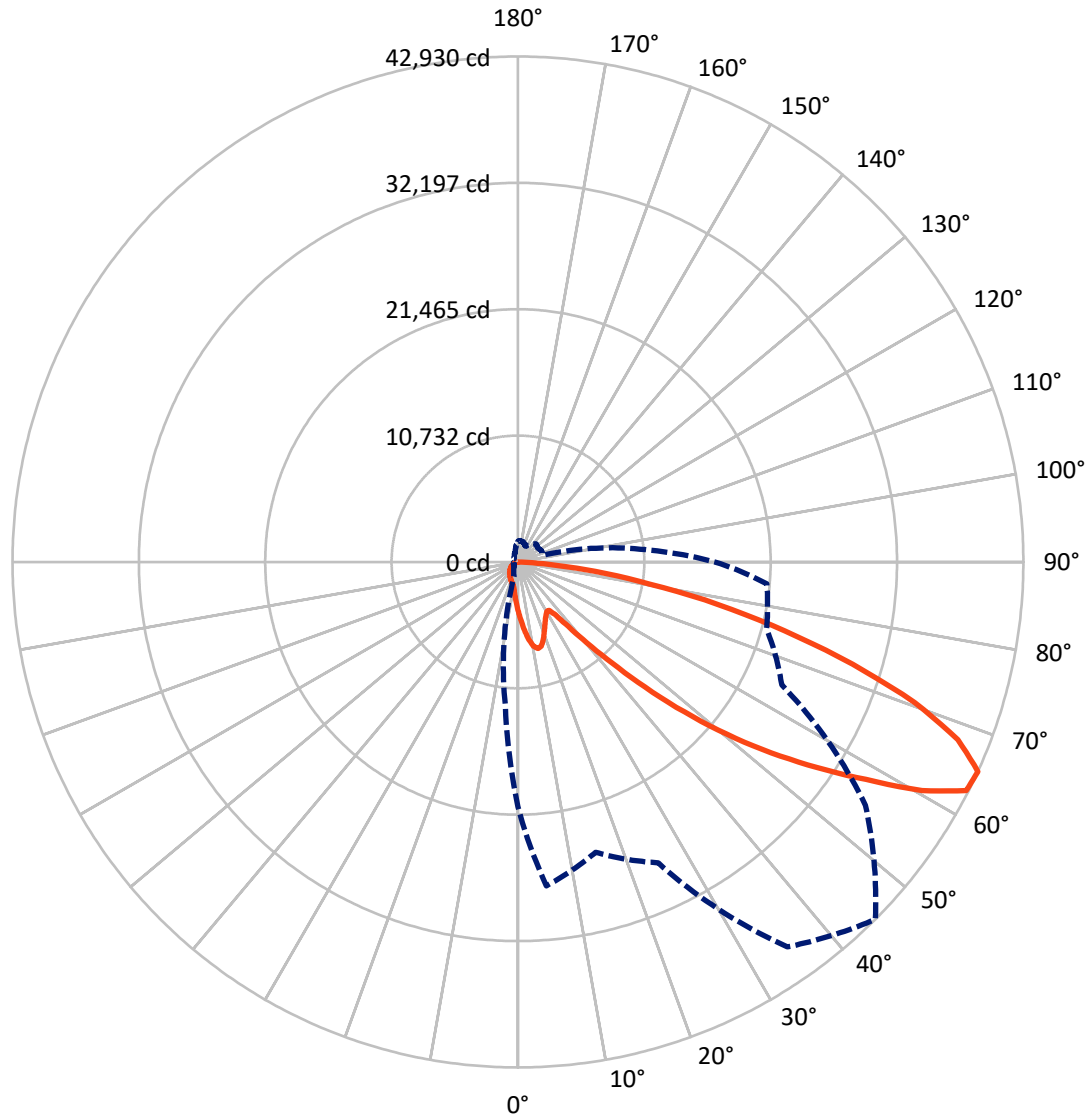
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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	6071.6	0.0	6071.6
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	24474.4	0.0	24474.4
	% Fixture	80.1	0.0	80.1
Total	Lumens	30546.0	0.0	30546.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.4	1.4
10°-20°	1248.3	4.1
20°-30°	1839.0	6.0
30°-40°	2362.6	7.7
40°-50°	3821.1	12.5
50°-60°	6700.6	21.9
60°-70°	8384.3	27.4
70°-80°	4899.4	16.0
80°-90°	874.1	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°	30546.0	100.0
0°-180°	30546.0	100.0



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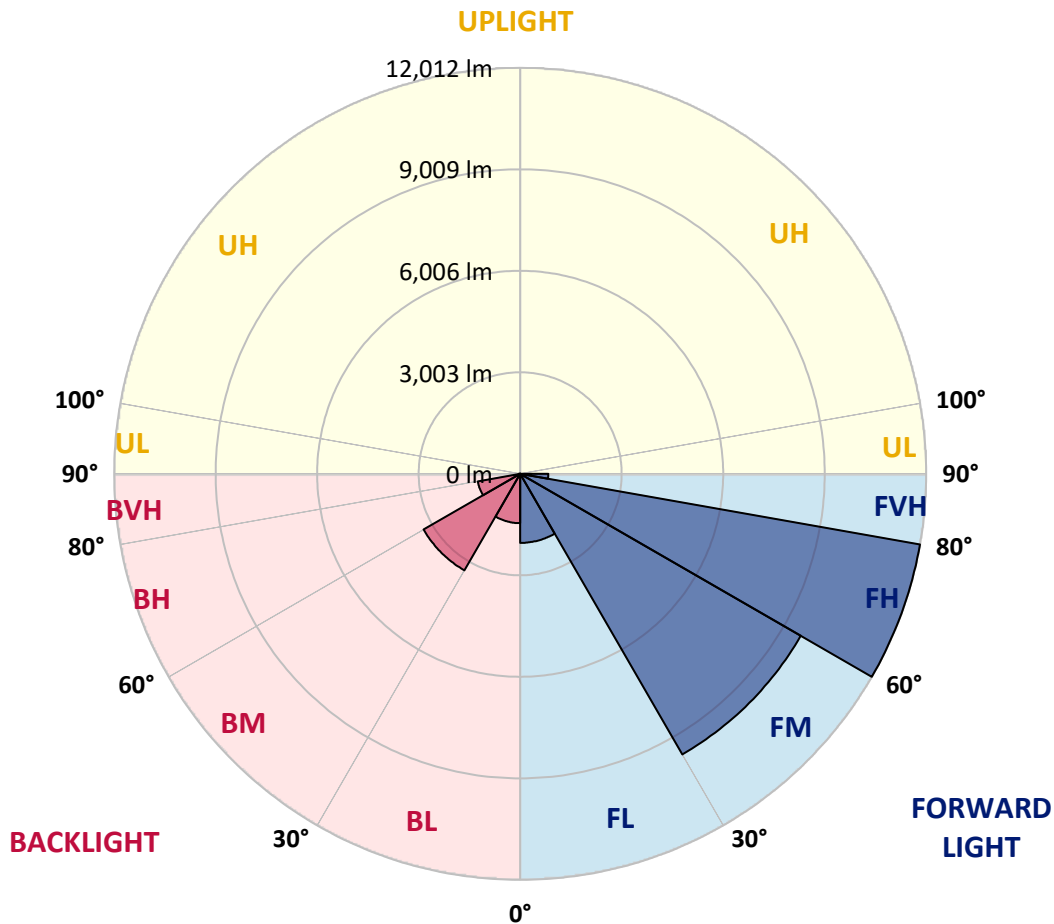
CATALOG NUMBER: GALN-SB5C-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2043.9	6.7			
FM (30°-60°)	9585.7	31.4			
FH (60°-80°)	12011.6	39.3			G5
FVH (80°-90°)	833.2	2.7			G5
BL (0°-30°)	1459.9	4.8	B3/2500		
BM (30°-60°)	3298.7	10.8	B3/5000		
BH (60°-80°)	1272.1	4.2	B3/2500		G3/2500
BVH (80°-90°)	41.0	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°	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6
2.5°	4738.9	4774.7	4854.6	4896.7	4961.9	4966.1	4966.1	4909.3	4907.2	4791.5
5°	5296.5	5380.7	5570.1	5765.8	5807.9	5818.4	5797.3	5683.7	5599.5	5374.4
7.5°	5850.0	6012.0	6300.3	6561.2	6645.4	6645.4	6594.9	6409.7	6237.1	5911.0
10°	6308.7	6512.8	6904.2	7196.7	7293.5	7272.5	7169.4	6935.8	6698.0	6302.4
12.5°	6611.7	6841.1	7270.4	7506.0	7604.9	7550.2	7432.4	7205.1	6954.7	6538.1
15°	6763.2	7003.1	7375.6	7499.7	7472.4	7415.6	7400.8	7291.4	7102.0	6712.7
17.5°	6828.5	7051.5	7310.3	7232.5	7001.0	6956.8	7104.1	7243.0	7196.7	6864.2
20°	6889.5	7076.8	7154.6	6809.5	6405.5	6365.5	6647.5	7043.1	7245.1	7005.2
22.5°	6973.7	7089.4	6929.5	6363.4	5927.8	5835.2	6146.7	6742.2	7259.8	7184.1
25°	7089.4	7121.0	6681.2	5940.4	5502.7	5410.2	5700.5	6407.6	7234.6	7377.7
27.5°	7228.3	7163.0	6443.4	5586.9	5164.0	5077.7	5368.1	6085.6	7163.0	7571.3
30°	7409.2	7217.8	6207.7	5313.4	4922.0	4858.8	5138.7	5807.9	7074.7	7817.5
32.5°	7592.3	7240.9	5988.8	5153.4	4867.2	4890.4	5119.8	5658.5	6977.9	8053.2
35°	7790.1	7314.5	5881.5	5311.3	5323.9	5525.9	5620.6	5797.3	6963.1	8373.0
37.5°	8059.5	7478.7	6009.9	6096.2	6533.9	6952.6	6874.7	6477.0	7133.6	8850.7
40°	8446.7	7767.0	6569.6	7432.4	8330.9	9010.6	8713.9	7712.3	7655.4	9538.8
42.5°	9010.6	8225.7	7562.9	9065.3	10588.8	11708.3	10912.9	9305.2	8568.7	10521.5
45°	9843.9	8968.5	8764.4	10788.7	13372.8	15136.2	13482.3	11003.4	9848.1	12009.2
47.5°	10999.2	10060.7	9890.2	12604.8	16756.5	19037.6	16331.5	12577.4	11304.3	14037.8
50°	12533.2	11531.6	10957.1	14591.2	20466.4	23014.7	19178.6	14096.7	12973.0	16516.7
52.5°	14557.5	13583.3	12200.7	16483.0	24281.5	26907.7	22038.3	15430.8	15043.6	19393.2
55°	17318.4	16670.3	13901.0	18288.5	28094.5	30823.8	24786.6	16689.2	17779.2	22810.6
57.5°	20744.2	21207.1	16352.5	20382.3	31522.4	34859.8	27547.4	18448.4	21331.3	26632.0
60°	22953.7	27240.2	21047.2	23477.7	35417.5	39424.1	31330.9	21794.2	25064.3	28001.9
62.5°	22419.2	29159.3	26669.9	27429.6	38999.0	42742.5	35038.7	25154.8	25767.2	25983.9
65°	20780.0	27610.5	25523.1	28197.6	39906.0	42929.8	36029.8	24721.3	21857.4	21213.5
67.5°	18524.2	25773.5	22798.0	26160.7	38266.7	40312.1	34184.4	21867.9	16891.2	15919.0
70°	16089.5	23740.7	21009.3	23875.4	35141.8	35750.0	31046.8	19233.3	12423.8	10750.9
72.5°	13779.0	21623.8	19784.6	21533.3	30973.2	29714.8	26962.4	16903.8	9046.4	7754.3
75°	11415.8	18501.0	18040.2	18751.4	25491.5	23406.1	22402.4	13995.7	7099.9	5610.1
77.5°	8808.6	14456.5	15517.1	15016.3	17943.4	17385.7	17364.7	10517.3	5187.1	3743.6
80°	6028.8	10075.4	12122.9	10593.0	11645.2	11361.1	13078.2	7055.7	3762.5	2253.7
82.5°	3543.6	6134.0	8438.2	5128.2	6439.2	6609.6	7788.0	3432.1	2213.7	519.8
85°	1437.2	2422.0	3299.5	2007.5	3105.9	2619.9	2956.5	963.8	616.6	12.6
87.5°	361.9	774.4	542.9	225.2	359.8	330.4	260.9	117.8	25.3	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°
4229.6	0°	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6
4778.9	2.5°	4696.8	4648.4	4528.5	4408.5	4311.7	4181.2	4095.0	3991.9	3893.0	3804.6
5326.0	5°	5193.4	5033.5	4814.6	4614.7	4410.6	4212.8	4017.1	3810.9	3621.5	3505.8
5788.9	7.5°	5597.4	5315.5	5025.1	4770.4	4524.2	4292.8	4033.9	3783.5	3486.8	3329.0
6142.5	10°	5898.4	5528.0	5147.1	4854.6	4606.3	4381.2	4162.3	3909.8	3552.1	3354.3
6357.1	12.5°	6096.2	5656.4	5210.2	4875.7	4597.9	4423.2	4326.4	4227.5	3871.9	3640.4
6514.9	15°	6232.9	5746.8	5254.4	4827.3	4486.4	4358.0	4454.8	4568.4	4341.2	4073.9
6679.0	17.5°	6382.3	5864.7	5273.4	4696.8	4269.6	4214.9	4465.3	4728.4	4717.8	4452.7
6834.8	20°	6540.2	5967.8	5260.8	4486.4	4006.6	4055.0	4374.8	4680.0	4808.3	4665.2
7013.6	22.5°	6702.2	6066.7	5212.4	4212.8	3760.4	3911.9	4231.7	4499.0	4650.5	4606.3
7232.5	25°	6906.3	6205.6	5140.8	3918.2	3556.3	3766.7	4065.5	4282.3	4387.5	4385.4
7468.2	27.5°	7150.4	6390.8	5102.9	3680.4	3411.1	3602.6	3867.7	4061.3	4135.0	4135.0
7760.7	30°	7434.5	6609.6	5060.8	3524.7	3326.9	3432.1	3638.3	3827.7	3901.4	3901.4
8080.5	32.5°	7750.1	6820.0	4959.8	3430.0	3263.8	3265.9	3396.3	3568.9	3657.3	3669.9
8480.3	35°	8128.9	7045.2	4738.9	3354.3	3190.1	3103.8	3167.0	3310.1	3415.3	3442.6
9050.6	37.5°	8625.5	7320.9	4423.2	3242.7	3076.5	2933.4	2948.1	3057.5	3173.3	3215.4
9837.6	40°	9292.6	7644.9	4095.0	3082.8	2916.6	2746.1	2739.8	2819.8	2933.4	2979.7
10902.4	42.5°	10174.3	8034.2	3781.4	2929.2	2723.0	2548.3	2537.8	2600.9	2699.8	2748.2
12308.1	45°	11302.2	8511.9	3512.1	2809.2	2533.6	2361.0	2356.8	2409.4	2495.7	2546.2
14107.2	47.5°	12869.9	8989.6	3329.0	2746.1	2384.2	2207.4	2215.8	2262.1	2340.0	2375.8
16436.7	50°	14913.2	9134.8	3236.4	2746.1	2304.2	2070.6	2112.7	2150.6	2209.5	2230.6
19229.1	52.5°	16874.4	8655.0	3152.2	2762.9	2314.7	1954.9	2045.4	2072.7	2123.2	2131.7
21817.4	55°	17836.0	7440.8	3036.5	2767.2	2380.0	1856.0	1990.7	2041.2	2060.1	2058.0
23319.9	57.5°	17505.7	6016.2	2840.8	2750.3	2424.2	1792.9	1923.3	2020.1	2032.8	2013.8
23033.7	60°	16346.2	4429.6	2691.4	2626.2	2407.3	1773.9	1820.2	1973.8	1992.8	1967.5
20828.4	62.5°	14401.8	3074.4	2575.7	2352.6	2333.7	1767.6	1658.2	1872.8	1919.1	1883.3
16741.8	65°	11338.0	2171.6	2217.9	2062.2	2173.7	1733.9	1489.8	1750.8	1813.9	1759.2
12146.0	67.5°	7672.3	1567.7	1797.1	1868.6	1914.9	1658.2	1367.8	1611.9	1696.1	1624.5
7794.3	70°	4143.4	1100.5	1186.8	1574.0	1626.6	1527.7	1258.4	1470.9	1567.7	1489.8
5540.6	72.5°	2447.3	791.2	831.2	1264.7	1355.2	1344.6	1136.3	1306.8	1424.6	1332.0
3823.5	75°	1348.9	534.5	593.4	917.5	1100.5	1037.4	976.4	1106.9	1226.8	1136.3
2396.8	77.5°	603.9	319.9	412.4	601.8	864.9	711.3	755.4	862.8	974.3	879.6
1334.1	80°	233.6	178.9	273.6	328.3	629.2	393.5	486.1	635.5	715.5	639.7
290.4	82.5°	29.5	80.0	117.8	128.4	366.1	208.3	282.0	399.8	393.5	340.9
0.0	85°	0.0	14.7	16.8	8.4	157.8	75.8	92.6	130.5	122.0	92.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	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°
4229.6	0°	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6
3787.7	2.5°	3684.6	3608.9	3571.0	3539.4	3568.9	3585.7	3585.7	3657.3	3699.4	3716.2
3432.1	5°	3246.9	3105.9	3011.3	2954.4	2973.4	2994.4	3017.6	3108.1	3169.1	3209.1
3185.9	7.5°	2901.8	2687.2	2554.6	2485.2	2495.7	2510.4	2529.4	2617.7	2678.8	2731.4
3139.6	10°	2731.4	2428.4	2253.7	2169.5	2154.8	2146.4	2140.1	2192.7	2239.0	2281.1
3329.0	12.5°	2739.8	2316.8	2104.3	2001.2	1957.0	1906.5	1866.5	1874.9	1904.4	1957.0
3667.8	15°	2847.1	2281.1	2026.4	1898.1	1824.4	1765.5	1717.1	1706.6	1717.1	1725.5
4055.0	17.5°	2992.3	2276.9	1959.1	1799.2	1723.4	1675.0	1630.8	1616.1	1618.2	1628.7
4311.7	20°	3108.1	2264.2	1883.3	1704.5	1637.1	1595.1	1550.9	1536.1	1540.3	1542.5
4337.0	22.5°	3169.1	2245.3	1799.2	1609.8	1553.0	1510.9	1470.9	1468.8	1468.8	1481.4
4200.2	25°	3169.1	2205.3	1723.4	1519.3	1468.8	1430.9	1382.5	1390.9	1395.2	1412.0
3987.6	27.5°	3093.3	2129.6	1662.4	1441.4	1388.8	1351.0	1306.8	1317.3	1323.6	1342.5
3777.2	30°	2996.5	2039.1	1593.0	1367.8	1306.8	1279.4	1241.5	1245.7	1254.2	1275.2
3581.5	32.5°	2893.4	1931.7	1536.1	1294.1	1233.1	1212.1	1170.0	1176.3	1184.7	1207.9
3387.9	35°	2779.8	1805.5	1468.8	1226.8	1165.8	1148.9	1100.5	1104.8	1117.4	1142.6
3179.6	37.5°	2659.8	1702.4	1401.5	1161.6	1098.4	1081.6	1031.1	1035.3	1050.0	1079.5
2960.8	40°	2542.0	1601.4	1329.9	1092.1	1029.0	1014.3	959.6	963.8	980.6	1012.2
2739.8	42.5°	2413.6	1523.5	1237.3	1020.6	953.2	938.5	888.0	894.3	913.3	944.8
2535.7	45°	2260.0	1473.0	1134.2	953.2	877.5	862.8	816.5	829.1	850.1	881.7
2361.0	47.5°	2102.2	1452.0	1047.9	881.7	799.6	787.0	749.1	770.2	793.3	818.6
2211.6	50°	1950.7	1424.6	959.6	814.4	732.3	719.7	694.4	721.8	744.9	768.1
2104.3	52.5°	1778.1	1365.7	879.6	755.4	675.5	671.3	658.6	683.9	704.9	726.0
2011.7	55°	1599.3	1271.0	810.2	702.8	627.1	631.3	625.0	646.0	662.9	681.8
1927.5	57.5°	1443.6	1151.1	755.4	646.0	585.0	597.6	589.2	599.7	610.2	633.4
1826.5	60°	1285.7	1008.0	694.4	578.7	542.9	557.6	534.5	532.4	536.6	542.9
1677.1	62.5°	1073.2	858.6	618.7	519.8	496.6	502.9	458.7	425.1	425.1	431.4
1468.8	65°	862.8	719.7	534.5	452.4	433.5	429.3	366.1	319.9	315.6	334.6
1226.8	67.5°	709.1	597.6	450.3	376.7	364.0	368.3	322.0	275.7	271.5	292.5
999.5	70°	587.1	481.9	359.8	290.4	303.0	322.0	275.7	231.5	225.2	244.1
812.3	72.5°	467.2	376.7	275.7	214.6	250.4	273.6	225.2	183.1	178.9	195.7
627.1	75°	343.0	269.4	187.3	155.7	193.6	214.6	164.1	130.5	124.2	138.9
418.8	77.5°	212.5	151.5	117.8	92.6	132.6	143.1	86.3	75.8	73.7	84.2
254.6	80°	98.9	65.2	56.8	31.6	48.4	56.8	35.8	40.0	42.1	50.5
128.4	82.5°	27.4	10.5	2.1	0.0	0.0	16.8	8.4	16.8	21.0	31.6
10.5	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	10.5	18.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4
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°
4229.6	0°	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6	4229.6
3834.0	2.5°	3922.4	4006.6	4141.3	4280.1	4416.9	4555.8	4690.5	4738.9
3392.1	5°	3558.4	3752.0	4019.2	4305.4	4600.0	4898.8	5172.4	5296.5
2935.5	7.5°	3152.2	3430.0	3831.9	4280.1	4749.4	5218.7	5650.0	5850.0
2483.1	10°	2718.8	3070.2	3528.9	4135.0	4808.3	5456.5	6049.9	6308.7
2085.4	12.5°	2306.3	2674.6	3181.7	3907.7	4762.0	5593.2	6306.6	6611.7
1805.5	15°	1961.2	2287.4	2834.5	3638.3	4612.6	5601.6	6428.6	6763.2
1649.8	17.5°	1702.4	1914.9	2481.0	3339.5	4416.9	5523.8	6470.7	6828.5
1565.6	20°	1574.0	1632.9	2022.2	2956.5	4233.9	5450.1	6512.8	6889.5
1498.3	22.5°	1498.3	1513.0	1654.0	2462.0	4015.0	5427.0	6586.5	6973.7
1437.2	25°	1437.2	1441.4	1479.3	1950.7	3680.4	5412.3	6700.1	7089.4
1374.1	27.5°	1376.2	1376.2	1397.3	1571.9	3225.9	5349.1	6847.4	7228.3
1311.0	30°	1315.2	1315.2	1329.9	1390.9	2693.5	5225.0	7024.2	7409.2
1247.9	32.5°	1252.1	1252.1	1264.7	1308.9	2150.6	5069.3	7186.2	7592.3
1182.6	35°	1188.9	1184.7	1201.6	1247.9	1710.8	4871.5	7348.2	7790.1
1117.4	37.5°	1121.6	1119.5	1136.3	1188.9	1477.2	4642.1	7470.3	8059.5
1052.2	40°	1050.0	1050.0	1069.0	1125.8	1409.9	4353.8	7663.9	8446.7
984.8	42.5°	984.8	980.6	1001.6	1071.1	1359.4	4078.1	8011.1	9010.6
923.8	45°	921.7	913.3	932.2	1018.5	1271.0	3981.3	8659.2	9843.9
864.9	47.5°	862.8	841.7	858.6	955.4	1191.0	4343.3	9719.8	10999.2
812.3	50°	814.4	774.4	789.1	892.2	1130.0	5128.2	11096.0	12533.2
763.9	52.5°	763.9	711.3	719.7	814.4	1075.3	5875.2	12587.9	14557.5
715.5	55°	711.3	652.3	656.5	736.5	997.4	5986.7	14044.1	17318.4
660.8	57.5°	652.3	597.6	597.6	665.0	940.6	5189.2	15163.6	20744.2
593.4	60°	587.1	551.3	540.8	608.1	991.1	3661.5	15294.1	22953.7
507.1	62.5°	515.6	496.6	481.9	553.4	1029.0	2169.5	14244.0	22419.2
399.8	65°	433.5	429.3	418.8	608.1	867.0	1281.5	12228.1	20780.0
340.9	67.5°	364.0	357.7	357.7	637.6	658.6	805.9	9553.5	18524.2
290.4	70°	313.5	290.4	290.4	481.9	399.8	557.6	6670.6	16089.5
239.9	72.5°	263.0	237.8	221.0	385.1	298.8	408.2	4168.6	13779.0
183.1	75°	210.4	191.5	170.4	254.6	223.1	309.3	2422.0	11415.8
115.7	77.5°	151.5	143.1	119.9	187.3	162.0	223.1	1441.4	8808.6
71.5	80°	77.9	80.0	75.8	107.3	109.4	151.5	820.7	6028.8
46.3	82.5°	46.3	35.8	40.0	52.6	63.1	86.3	309.3	3543.6
33.7	85°	29.5	18.9	18.9	25.3	31.6	33.7	94.7	1437.2
16.8	87.5°	14.7	6.3	8.4	12.6	10.5	8.4	4.2	361.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)