

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: P952863

Luminaire Tested: **GALN-SB6C-830-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952863
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-SB6C-830-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 615mA 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: 31144 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

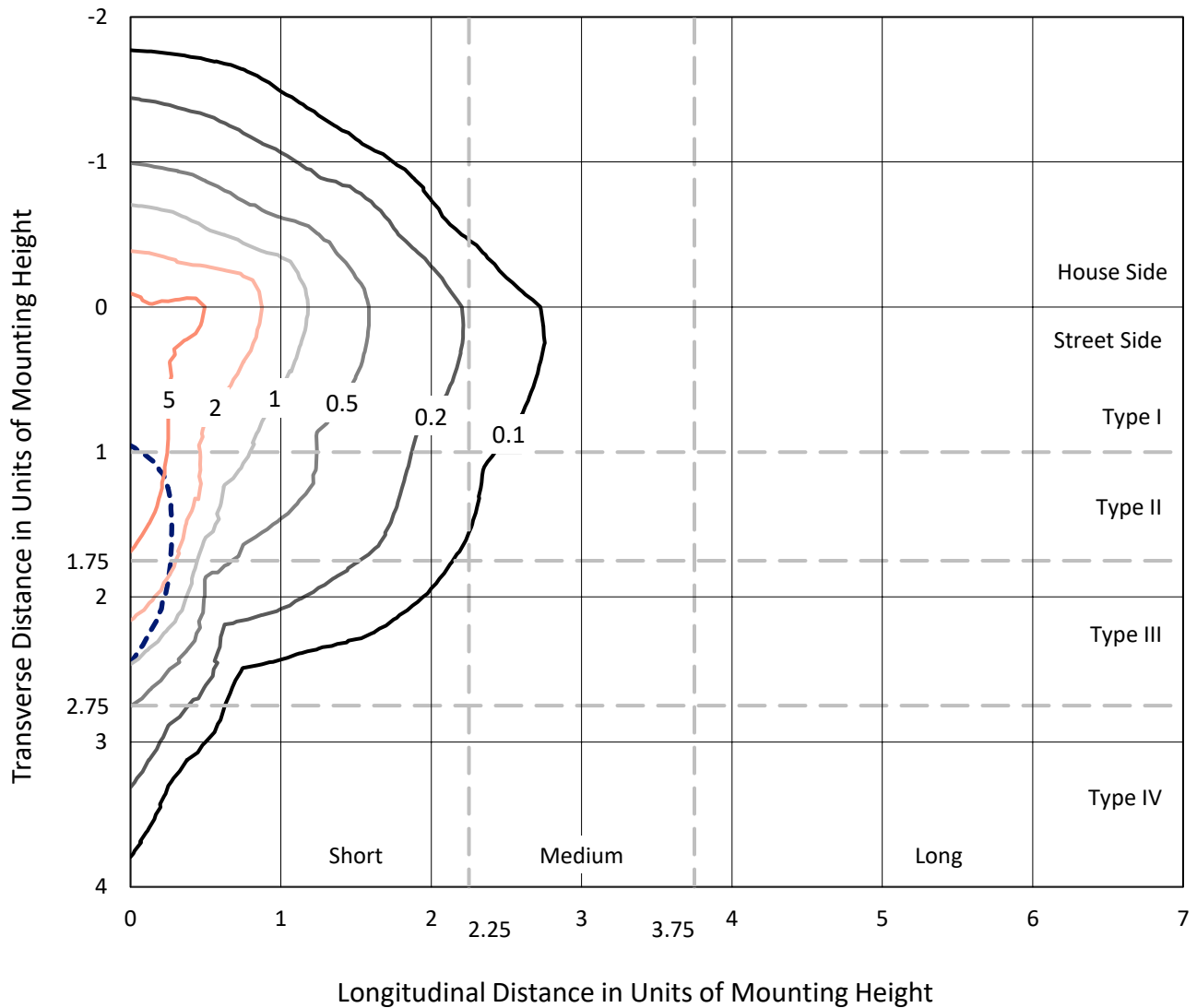
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

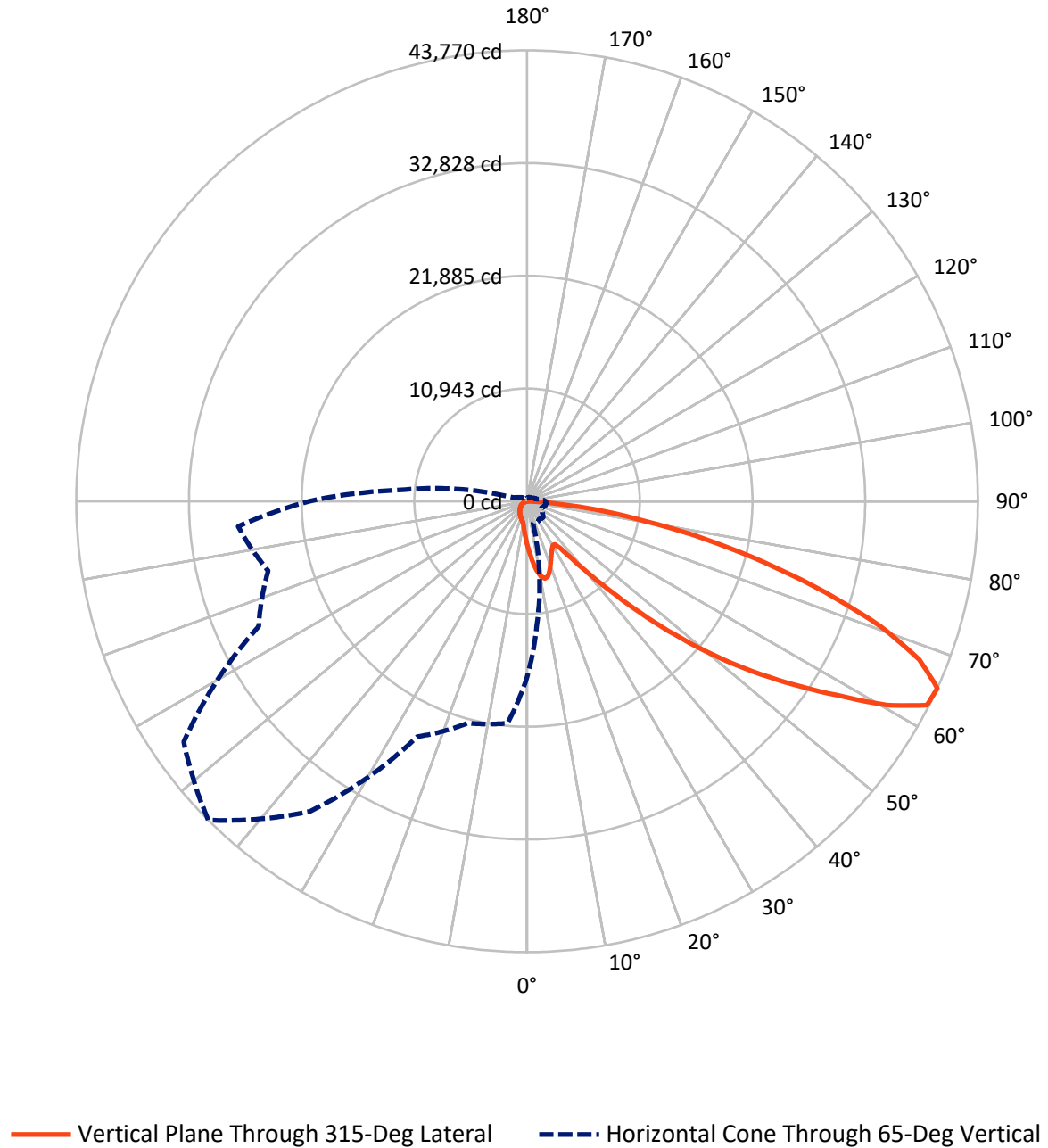
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4361.5	0.0	4361.5
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	26782.5	0.0	26782.5
	% Fixture	86.0	0.0	86.0
Total	Lumens	31144.0	0.0	31144.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.6	1.4
10°-20°	1272.7	4.1
20°-30°	1875.0	6.0
30°-40°	2408.9	7.7
40°-50°	3895.9	12.5
50°-60°	6831.8	21.9
60°-70°	8548.5	27.4
70°-80°	4995.3	16.0
80°-90°	891.2	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°	31144.0	100.0
0°-180°	31144.0	100.0

Coefficient of Utilization



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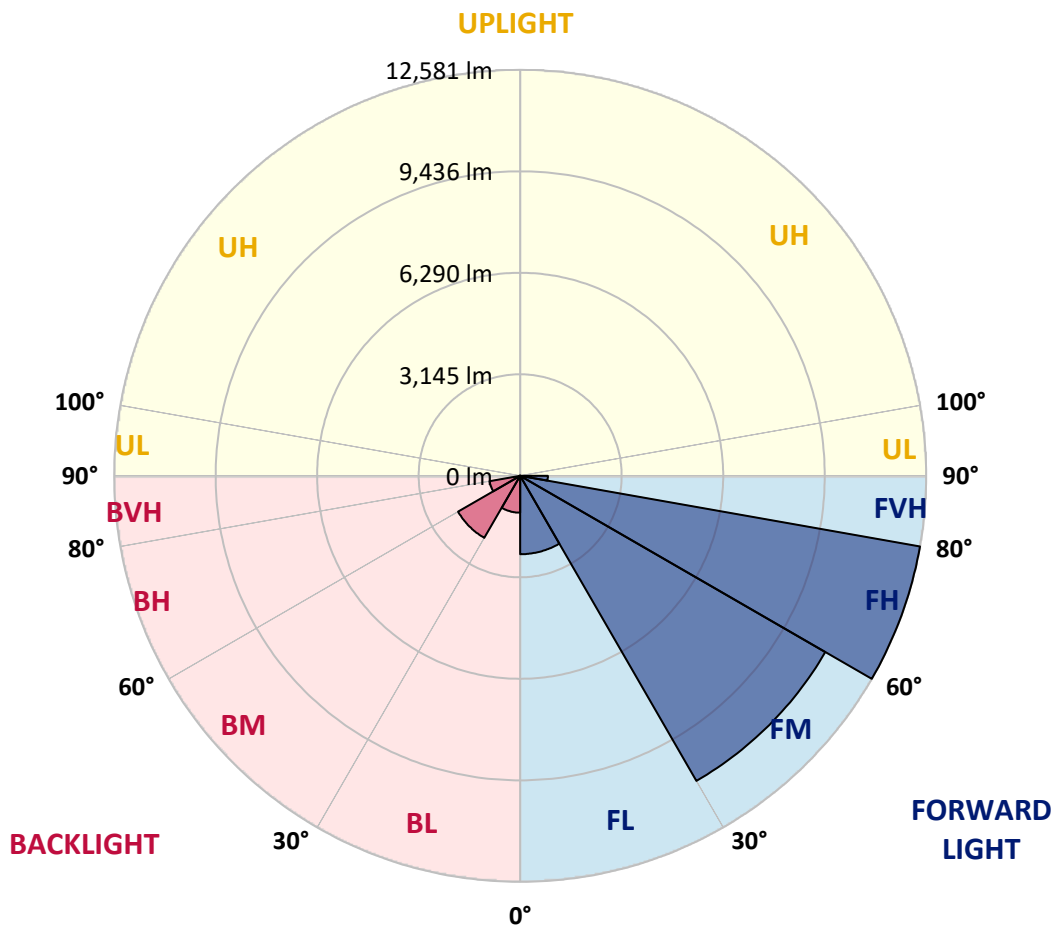
CATALOG NUMBER: GALN-SB6C-830-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2429.1	7.8			
FM (30°-60°)	10915.6	35.0			
FH (60°-80°)	12580.8	40.4			G5
FVH (80°-90°)	857.0	2.8			G5
BL (0°-30°)	1143.2	3.7	B3/2500		
BM (30°-60°)	2221.0	7.1	B2/2500		
BH (60°-80°)	963.0	3.1	B2/1000		G2/1000
BVH (80°-90°)	34.2	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°	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4
2.5°	4872.4	4788.7	4739.4	4617.1	4494.8	4396.1	4263.1	4175.1	4070.0	3969.2
5°	5430.3	5295.1	5132.0	4908.9	4705.1	4497.0	4295.3	4095.8	3885.5	3692.4
7.5°	5902.3	5707.0	5419.5	5123.4	4863.8	4612.8	4376.8	4112.9	3857.6	3555.1
10°	6262.7	6013.8	5636.2	5247.9	4949.7	4696.5	4466.9	4243.8	3986.3	3621.6
12.5°	6481.5	6215.5	5767.1	5312.2	4971.1	4687.9	4509.8	4411.1	4310.3	3947.7
15°	6642.5	6355.0	5859.4	5357.3	4921.8	4574.2	4443.3	4542.0	4657.9	4426.2
17.5°	6809.8	6507.3	5979.5	5376.6	4788.7	4353.2	4297.4	4552.7	4820.9	4810.2
20°	6968.6	6668.2	6084.6	5363.7	4574.2	4085.0	4134.4	4460.5	4771.6	4902.5
22.5°	7150.9	6833.4	6185.5	5314.4	4295.3	3834.0	3988.5	4314.6	4587.1	4741.5
25°	7374.1	7041.5	6327.1	5241.4	3994.9	3625.9	3840.4	4145.1	4366.1	4473.4
27.5°	7614.4	7290.4	6515.9	5202.8	3752.5	3477.8	3673.1	3943.4	4140.8	4215.9
30°	7912.6	7580.0	6739.0	5159.9	3593.7	3392.0	3499.3	3709.6	3902.7	3977.8
32.5°	8238.7	7901.9	6953.6	5056.9	3497.2	3327.7	3329.8	3462.8	3638.8	3728.9
35°	8646.3	8288.1	7183.1	4831.7	3419.9	3252.6	3164.6	3229.0	3374.9	3482.1
37.5°	9227.8	8794.4	7464.2	4509.8	3306.2	3136.7	2990.8	3005.8	3117.4	3235.4
40°	10030.2	9474.5	7794.6	4175.1	3143.2	2973.7	2799.9	2793.4	2875.0	2990.8
42.5°	11115.8	10373.5	8191.5	3855.5	2986.5	2776.3	2598.2	2587.5	2651.8	2752.7
45°	12549.0	11523.5	8678.5	3580.8	2864.2	2583.2	2407.2	2403.0	2456.6	2544.6
47.5°	14383.4	13121.9	9165.6	3394.2	2799.9	2430.8	2250.6	2259.2	2306.4	2385.8
50°	16758.5	15205.1	9313.6	3299.8	2799.9	2349.3	2111.2	2154.1	2192.7	2252.8
52.5°	19605.5	17204.7	8824.4	3214.0	2817.0	2360.0	1993.2	2085.4	2113.3	2164.8
55°	22244.5	18185.2	7586.5	3096.0	2821.3	2426.6	1892.3	2029.6	2081.1	2100.4
57.5°	23776.4	17848.4	6134.0	2896.4	2804.2	2471.6	1828.0	1961.0	2059.7	2072.5
60°	23484.6	16666.2	4516.3	2744.1	2677.6	2454.4	1808.7	1855.9	2012.5	2031.8
62.5°	21236.1	14683.8	3134.6	2626.1	2398.7	2379.4	1802.2	1690.7	1909.5	1956.7
65°	17069.6	11559.9	2214.2	2261.4	2102.6	2216.3	1767.9	1519.0	1785.1	1849.4
67.5°	12383.8	7822.5	1598.4	1832.3	1905.2	1952.4	1690.7	1394.6	1643.5	1729.3
70°	7946.9	4224.5	1122.1	1210.1	1604.8	1658.5	1557.6	1283.0	1499.7	1598.4
72.5°	5649.1	2495.2	806.7	847.5	1289.4	1381.7	1371.0	1158.6	1332.4	1452.5
75°	3898.4	1375.3	545.0	605.0	935.4	1122.1	1057.7	995.5	1128.5	1250.8
77.5°	2443.7	615.8	326.1	420.5	613.6	881.8	725.2	770.2	879.7	993.4
80°	1360.2	238.2	182.4	278.9	334.7	641.5	401.2	495.6	647.9	729.5
82.5°	296.1	30.0	81.5	120.1	130.9	373.3	212.4	287.5	407.6	401.2
85°	0.0	0.0	15.0	17.2	8.6	160.9	77.2	94.4	133.0	124.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
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°
4312.4	0°	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4
3879.1	2.5°	3861.9	3756.8	3679.5	3640.9	3608.7	3638.8	3655.9	3655.9	3728.9	3771.8
3574.4	5°	3499.3	3310.5	3166.8	3070.2	3012.3	3031.6	3053.0	3076.6	3168.9	3231.1
3394.2	7.5°	3248.3	2958.6	2739.8	2604.6	2533.8	2544.6	2559.6	2578.9	2669.0	2731.2
3419.9	10°	3201.1	2784.9	2475.9	2297.8	2212.0	2197.0	2188.4	2182.0	2235.6	2282.8
3711.7	12.5°	3394.2	2793.4	2362.2	2145.5	2040.4	1995.3	1943.8	1903.1	1911.6	1941.7
4153.7	15°	3739.6	2902.9	2325.7	2066.1	1935.2	1860.1	1800.1	1750.7	1740.0	1750.7
4539.9	17.5°	4134.4	3050.9	2321.4	1997.5	1834.4	1757.2	1707.8	1662.8	1647.7	1649.9
4756.6	20°	4396.1	3168.9	2308.6	1920.2	1737.9	1669.2	1626.3	1581.2	1566.2	1570.5
4696.5	22.5°	4421.9	3231.1	2289.2	1834.4	1641.3	1583.4	1540.5	1499.7	1497.6	1497.6
4471.2	25°	4282.4	3231.1	2248.5	1757.2	1549.0	1497.6	1458.9	1409.6	1418.2	1422.5
4215.9	27.5°	4065.7	3153.9	2171.2	1694.9	1469.7	1416.0	1377.4	1332.4	1343.1	1349.5
3977.8	30°	3851.2	3055.2	2079.0	1624.1	1394.6	1332.4	1304.5	1265.8	1270.1	1278.7
3741.7	32.5°	3651.6	2950.1	1969.6	1566.2	1319.5	1257.3	1235.8	1192.9	1199.3	1207.9
3510.0	35°	3454.2	2834.2	1840.8	1497.6	1250.8	1188.6	1171.4	1122.1	1126.4	1139.3
3278.3	37.5°	3241.8	2711.9	1735.7	1428.9	1184.3	1119.9	1102.8	1051.3	1055.6	1070.6
3038.0	40°	3018.7	2591.8	1632.7	1356.0	1113.5	1049.1	1034.1	978.3	982.6	999.8
2802.0	42.5°	2793.4	2460.9	1553.3	1261.6	1040.6	971.9	956.9	905.4	911.8	931.1
2596.1	45°	2585.3	2304.3	1501.8	1156.4	971.9	894.7	879.7	832.5	845.3	866.8
2422.3	47.5°	2407.2	2143.4	1480.4	1068.5	899.0	815.3	802.4	763.8	785.3	808.9
2274.2	50°	2254.9	1988.9	1452.5	978.3	830.3	746.6	733.8	708.0	735.9	759.5
2173.4	52.5°	2145.5	1812.9	1392.4	896.8	770.2	688.7	684.4	671.5	697.3	718.7
2098.3	55°	2051.1	1630.6	1295.9	826.0	716.6	639.4	643.6	637.2	658.7	675.8
2053.2	57.5°	1965.3	1471.8	1173.6	770.2	658.7	596.4	609.3	600.7	611.5	622.2
2006.0	60°	1862.3	1310.9	1027.7	708.0	590.0	553.5	568.6	545.0	542.8	547.1
1920.2	62.5°	1710.0	1094.2	875.4	630.8	529.9	506.3	512.8	467.7	433.4	433.4
1793.6	65°	1497.6	879.7	733.8	545.0	461.3	442.0	437.7	373.3	326.1	321.8
1656.3	67.5°	1250.8	723.0	609.3	459.1	384.0	371.2	375.5	328.3	281.1	276.8
1519.0	70°	1019.1	598.6	491.3	366.9	296.1	309.0	328.3	281.1	236.0	229.6
1358.1	72.5°	828.2	476.3	384.0	281.1	218.8	255.3	278.9	229.6	186.7	182.4
1158.6	75°	639.4	349.7	274.6	190.9	158.8	197.4	218.8	167.3	133.0	126.6
896.8	77.5°	427.0	216.7	154.5	120.1	94.4	135.2	145.9	88.0	77.2	75.1
652.2	80°	259.6	100.8	66.5	57.9	32.2	49.3	57.9	36.5	40.8	42.9
347.6	82.5°	130.9	27.9	10.7	2.1	0.0	0.0	17.2	8.6	17.2	21.5
94.4	85°	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	10.7
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°
4312.4	0°	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4
3788.9	2.5°	3909.1	3999.2	4085.0	4222.3	4363.9	4503.4	4645.0	4782.3	4831.7	4868.1
3271.9	5°	3458.5	3628.0	3825.4	4097.9	4389.7	4690.1	4994.7	5273.6	5400.2	5486.0
2784.9	7.5°	2993.0	3214.0	3497.2	3906.9	4363.9	4842.4	5320.8	5760.7	5964.5	6129.7
2325.7	10°	2531.7	2772.0	3130.3	3598.0	4215.9	4902.5	5563.3	6168.3	6432.2	6640.3
1995.3	12.5°	2126.2	2351.5	2726.9	3244.0	3984.2	4855.3	5702.7	6430.1	6741.1	6975.0
1759.3	15°	1840.8	1999.6	2332.2	2890.0	3709.6	4702.9	5711.3	6554.5	6895.6	7140.2
1660.6	17.5°	1682.1	1735.7	1952.4	2529.5	3404.9	4503.4	5631.9	6597.4	6962.1	7189.6
1572.6	20°	1596.2	1604.8	1664.9	2061.8	3014.4	4316.7	5556.8	6640.3	7024.4	7215.3
1510.4	22.5°	1527.6	1527.6	1542.6	1686.4	2510.2	4093.6	5533.2	6715.4	7110.2	7228.2
1439.6	25°	1465.4	1465.4	1469.7	1508.3	1988.9	3752.5	5518.2	6831.3	7228.2	7260.4
1368.8	27.5°	1401.0	1403.2	1403.2	1424.6	1602.7	3289.0	5453.9	6981.4	7369.8	7303.3
1300.2	30°	1336.6	1340.9	1340.9	1356.0	1418.2	2746.2	5327.3	7161.7	7554.3	7359.1
1231.5	32.5°	1272.3	1276.6	1276.6	1289.4	1334.5	2192.7	5168.5	7326.9	7741.0	7382.7
1165.0	35°	1205.8	1212.2	1207.9	1225.1	1272.3	1744.3	4966.8	7492.1	7942.6	7457.7
1100.6	37.5°	1139.3	1143.5	1141.4	1158.6	1212.2	1506.1	4733.0	7616.5	8217.3	7625.1
1032.0	40°	1072.7	1070.6	1070.6	1089.9	1147.8	1437.5	4439.0	7813.9	8612.0	7919.0
963.3	42.5°	1004.1	1004.1	999.8	1021.3	1092.1	1386.0	4158.0	8167.9	9187.0	8386.7
899.0	45°	941.9	939.7	931.1	950.5	1038.4	1295.9	4059.3	8828.7	10036.6	9144.1
834.6	47.5°	881.8	879.7	858.2	875.4	974.1	1214.4	4428.3	9910.0	11214.5	10257.6
783.1	50°	828.2	830.3	789.5	804.6	909.7	1152.1	5228.6	11313.2	12778.6	11757.3
740.2	52.5°	778.8	778.8	725.2	733.8	830.3	1096.3	5990.2	12834.4	14842.5	13849.2
695.1	55°	729.5	725.2	665.1	669.4	750.9	1017.0	6103.9	14319.0	17657.4	16996.6
645.8	57.5°	673.7	665.1	609.3	609.3	678.0	959.0	5290.8	15460.4	21150.3	21622.3
553.5	60°	605.0	598.6	562.1	551.4	620.0	1010.5	3733.2	15593.5	23403.1	27773.4
439.8	62.5°	517.1	525.6	506.3	491.3	564.3	1049.1	2212.0	14522.9	22858.1	29730.1
341.1	65°	407.6	442.0	437.7	427.0	620.0	883.9	1306.6	12467.5	21186.8	28151.1
298.2	67.5°	347.6	371.2	364.7	364.7	650.1	671.5	821.7	9740.6	18886.8	26278.0
248.9	70°	296.1	319.7	296.1	296.1	491.3	407.6	568.6	6801.2	16404.5	24205.5
199.5	72.5°	244.6	268.2	242.4	225.3	392.6	304.7	416.2	4250.2	14048.7	22047.1
141.6	75°	186.7	214.5	195.2	173.8	259.6	227.4	315.4	2469.5	11639.3	18863.2
85.8	77.5°	118.0	154.5	145.9	122.3	190.9	165.2	227.4	1469.7	8981.0	14739.6
51.5	80°	72.9	79.4	81.5	77.2	109.4	111.6	154.5	836.7	6146.8	10272.6
32.2	82.5°	47.2	47.2	36.5	40.8	53.6	64.4	88.0	315.4	3613.0	6254.1
19.3	85°	34.3	30.0	19.3	19.3	25.7	32.2	34.3	96.5	1465.4	2469.5
8.6	87.5°	17.2	15.0	6.4	8.6	12.9	10.7	8.6	4.3	369.0	789.5
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°
4312.4	0°	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4	4312.4
4949.7	2.5°	4992.6	5059.1	5063.4	5063.4	5005.4	5003.3	4885.3	4872.4
5679.1	5°	5878.7	5921.6	5932.3	5910.8	5795.0	5709.2	5479.6	5430.3
6423.6	7.5°	6689.7	6775.5	6775.5	6724.0	6535.2	6359.3	6026.7	5902.3
7039.4	10°	7337.6	7436.3	7414.8	7309.7	7071.6	6829.1	6425.8	6262.7
7412.7	12.5°	7653.0	7753.8	7698.0	7577.9	7346.2	7090.9	6666.1	6481.5
7520.0	15°	7646.5	7618.7	7560.7	7545.7	7434.1	7241.0	6844.1	6642.5
7453.5	17.5°	7374.1	7138.1	7093.0	7243.2	7384.8	7337.6	6998.6	6809.8
7294.7	20°	6942.8	6530.9	6490.1	6777.6	7181.0	7386.9	7142.4	6968.6
7065.1	22.5°	6488.0	6043.9	5949.5	6267.0	6874.2	7402.0	7324.7	7150.9
6812.0	25°	6056.7	5610.5	5516.1	5812.1	6533.0	7376.2	7522.1	7374.1
6569.5	27.5°	5696.3	5265.0	5177.1	5473.2	6204.8	7303.3	7719.5	7614.4
6329.2	30°	5417.4	5018.3	4954.0	5239.3	5921.6	7213.2	7970.5	7912.6
6106.1	32.5°	5254.3	4962.5	4986.1	5220.0	5769.2	7114.5	8210.8	8238.7
5996.7	35°	5415.2	5428.1	5634.1	5730.6	5910.8	7099.4	8536.9	8646.3
6127.5	37.5°	6215.5	6661.8	7088.7	7009.3	6603.8	7273.2	9024.0	9227.8
6698.2	40°	7577.9	8494.0	9187.0	8884.5	7863.2	7805.3	9725.5	10030.2
7710.9	42.5°	9242.8	10796.1	11937.5	11126.5	9487.4	8736.5	10727.5	11115.8
8936.0	45°	11000.0	13634.6	15432.6	13746.2	11218.8	10040.9	12244.3	12549.0
10083.8	47.5°	12851.5	17084.6	19410.3	16651.2	12823.6	11525.6	14312.6	14383.4
11171.6	50°	14876.9	20867.1	23465.3	19554.1	14372.7	13227.0	16840.0	16758.5
12439.6	52.5°	16805.7	24756.9	27434.5	22469.8	15732.9	15338.2	19772.9	19605.5
14173.1	55°	18646.5	28644.5	31427.2	25271.8	17015.9	18127.3	23257.2	22244.5
16672.7	57.5°	20781.3	32139.5	35542.3	28086.7	18809.6	21748.9	27153.4	23776.4
21459.3	60°	23937.3	36110.8	40195.9	31944.3	22220.9	25555.0	28550.1	23484.6
27192.0	62.5°	27966.5	39762.5	43579.3	35724.7	25647.3	26271.6	26492.6	21236.1
26022.7	65°	28749.6	40687.2	43770.3	36735.2	25205.3	22285.3	21628.7	17069.6
23244.3	67.5°	26672.8	39015.8	41101.3	34853.6	22296.0	17221.9	16230.7	12383.8
21420.6	70°	24342.8	35829.8	36449.8	31654.7	19609.8	12667.0	10961.3	7946.9
20172.0	72.5°	21954.9	31579.6	30296.6	27490.2	17234.8	9223.5	7906.2	5649.1
18393.3	75°	19118.5	25990.5	23864.4	22841.0	14269.7	7238.9	5719.9	3898.4
15820.9	77.5°	15310.3	18294.6	17726.1	17704.6	10723.2	5288.6	3816.8	2443.7
12360.2	80°	10800.4	11873.2	11583.5	13334.3	7193.8	3836.1	2297.8	1360.2
8603.4	82.5°	5228.6	6565.2	6739.0	7940.5	3499.3	2257.1	529.9	296.1
3364.1	85°	2046.8	3166.8	2671.1	3014.4	982.6	628.6	12.9	0.0
553.5	87.5°	229.6	366.9	336.8	266.0	120.1	25.7	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)