

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: P953934

Luminaire Tested: **GALN-SB7B-830-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953934
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-SB7B-830-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 450mA 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: 27462 lumens
Efficiency: N/A
Efficacy: 107.0 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

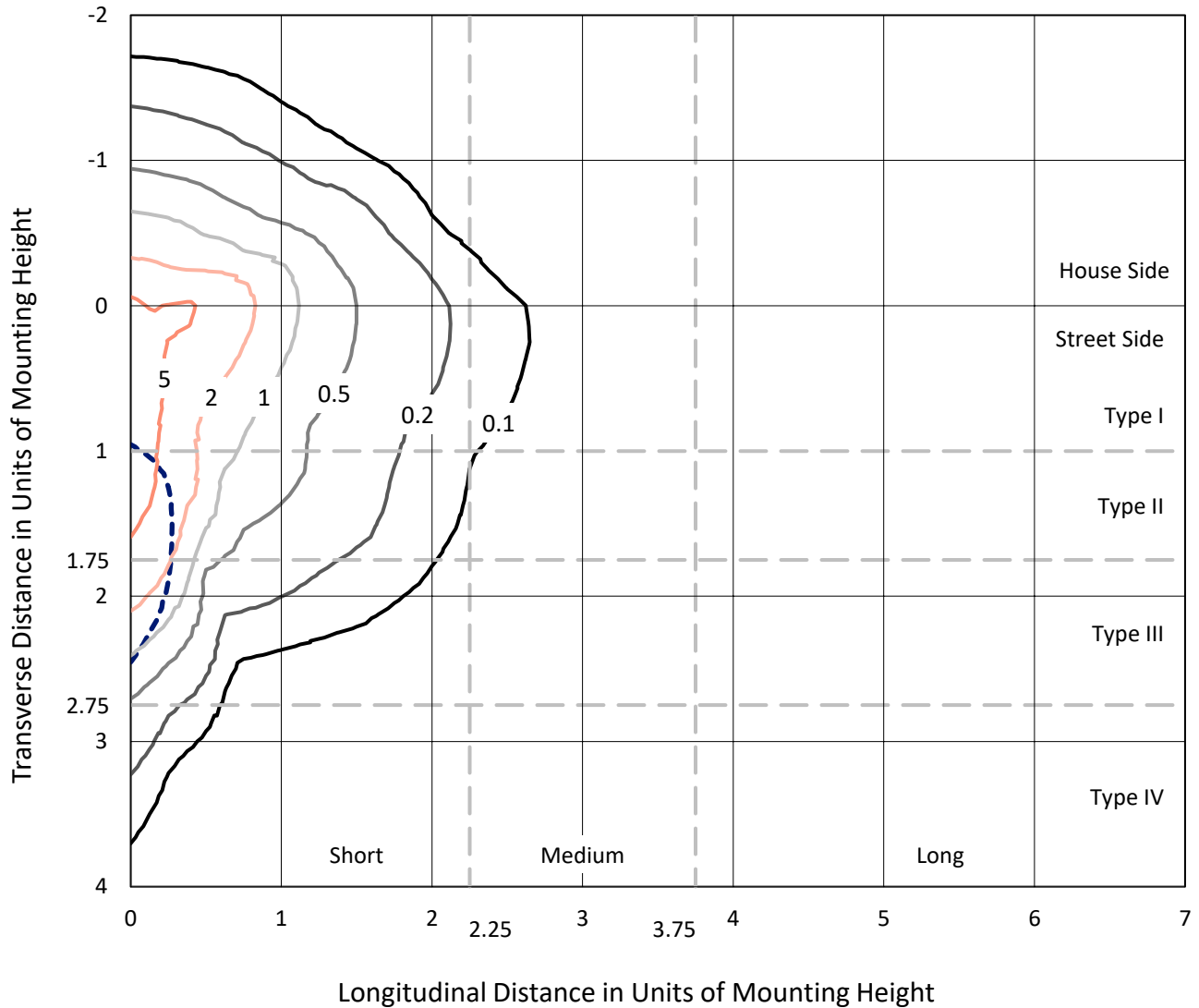
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

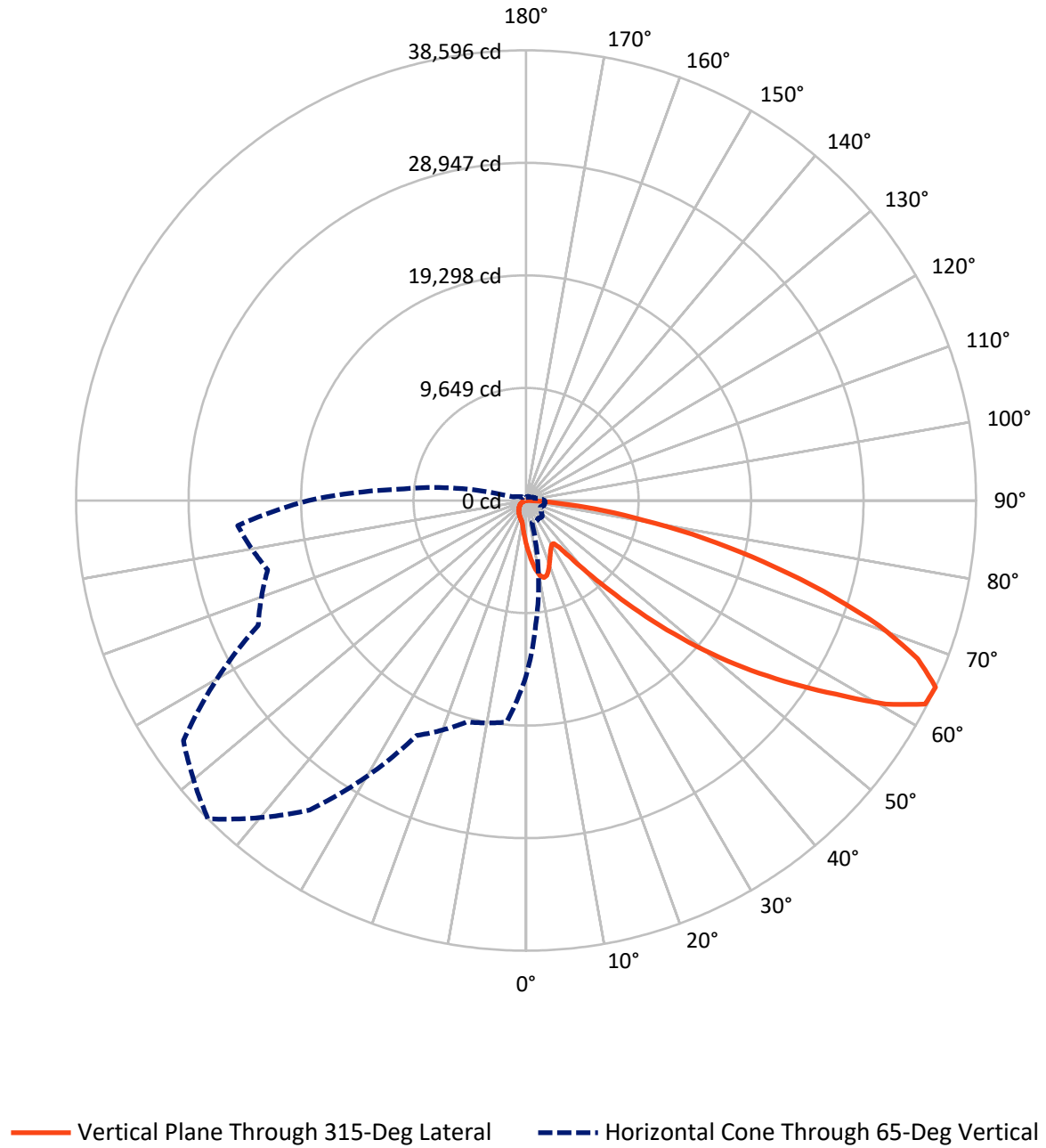
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	3845.8	0.0	3845.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	23616.1	0.0	23616.1
	% Fixture	86.0	0.0	86.0
Total	Lumens	27462.0	0.0	27462.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.4	1.4
10°-20°	1122.3	4.1
20°-30°	1653.3	6.0
30°-40°	2124.1	7.7
40°-50°	3435.3	12.5
50°-60°	6024.1	21.9
60°-70°	7537.8	27.4
70°-80°	4404.8	16.0
80°-90°	785.9	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°	27462.0	100.0
0°-180°	27462.0	100.0

Coefficient of Utilization



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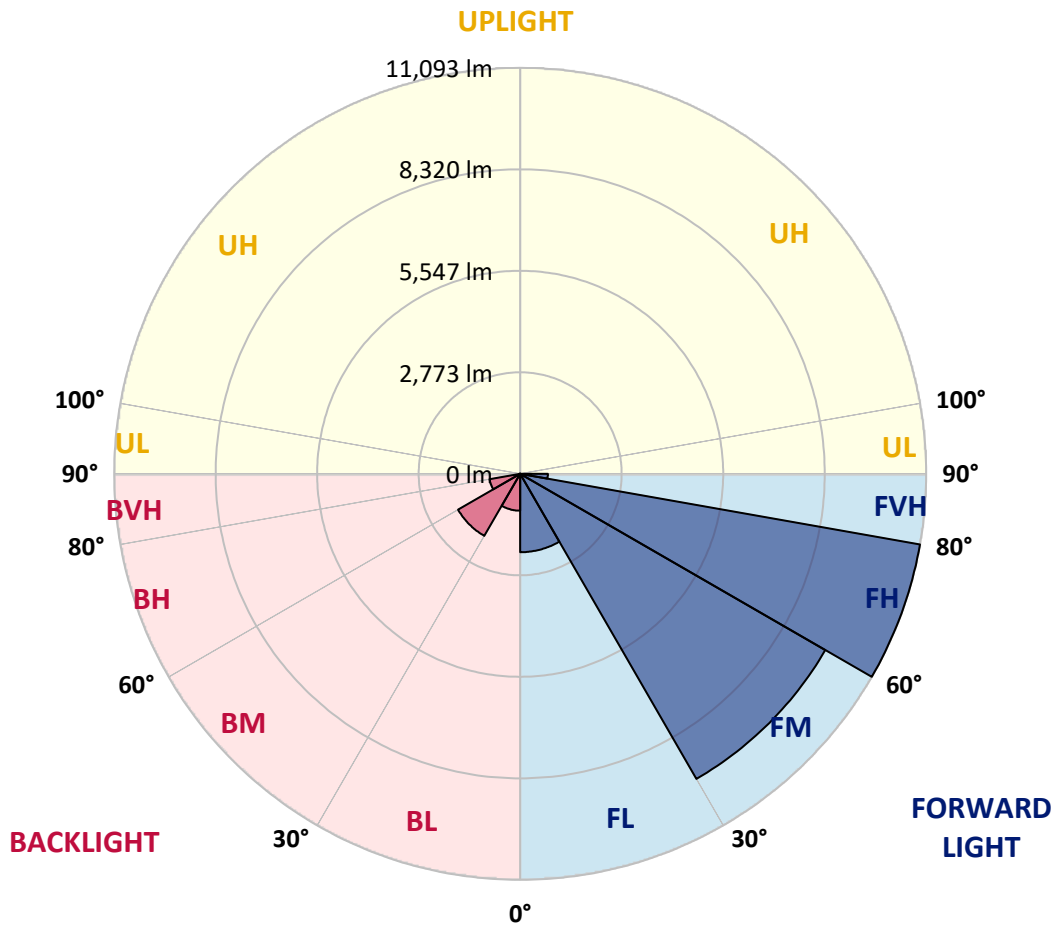
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2141.9	7.8			
FM (30°-60°)	9625.1	35.0			
FH (60°-80°)	11093.4	40.4			G4/12000
FVH (80°-90°)	755.7	2.8			G5
BL (0°-30°)	1008.1	3.7	B3/2500		
BM (30°-60°)	1958.4	7.1	B2/2500		
BH (60°-80°)	849.2	3.1	B2/1000		G2/1000
BVH (80°-90°)	30.2	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°	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6
2.5°	4296.4	4222.6	4179.1	4071.3	3963.4	3876.4	3759.1	3681.5	3588.8	3499.9
5°	4788.3	4669.1	4525.3	4328.5	4148.8	3965.3	3787.5	3611.5	3426.1	3255.9
7.5°	5204.5	5032.3	4778.8	4517.7	4288.8	4067.5	3859.4	3626.7	3401.5	3134.8
10°	5522.3	5302.8	4969.9	4627.5	4364.5	4141.2	3938.8	3742.1	3515.0	3193.4
12.5°	5715.3	5480.7	5085.3	4684.2	4383.4	4133.7	3976.7	3889.6	3800.7	3481.0
15°	5857.2	5603.6	5166.6	4723.9	4339.9	4033.4	3918.0	4005.0	4107.2	3902.9
17.5°	6004.7	5738.0	5272.6	4741.0	4222.6	3838.6	3789.4	4014.5	4251.0	4241.5
20°	6144.7	5879.9	5365.3	4729.6	4033.4	3602.1	3645.6	3933.1	4207.5	4322.9
22.5°	6305.5	6025.5	5454.2	4686.1	3787.5	3380.7	3516.9	3804.5	4044.8	4181.0
25°	6502.3	6209.0	5579.1	4621.8	3522.6	3197.2	3386.4	3655.0	3849.9	3944.5
27.5°	6714.2	6428.5	5745.5	4587.7	3308.8	3066.7	3238.8	3477.2	3651.3	3717.5
30°	6977.1	6683.9	5942.3	4549.9	3168.8	2991.0	3085.6	3271.0	3441.3	3507.5
32.5°	7264.7	6967.7	6131.5	4459.1	3083.7	2934.3	2936.1	3053.4	3208.6	3288.0
35°	7624.1	7308.2	6333.9	4260.4	3015.6	2868.0	2790.5	2847.2	2975.9	3070.5
37.5°	8136.8	7754.7	6581.7	3976.7	2915.3	2765.9	2637.2	2650.5	2748.9	2852.9
40°	8844.4	8354.4	6873.1	3681.5	2771.6	2622.1	2468.9	2463.2	2535.1	2637.2
42.5°	9801.6	9147.1	7223.1	3399.6	2633.4	2448.0	2291.0	2281.6	2338.3	2427.2
45°	11065.4	10161.1	7652.5	3157.5	2525.6	2277.8	2122.6	2118.9	2166.2	2243.7
47.5°	12682.9	11570.5	8082.0	2992.9	2468.9	2143.5	1984.5	1992.1	2033.7	2103.7
50°	14777.2	13407.5	8212.5	2909.7	2468.9	2071.6	1861.6	1899.4	1933.5	1986.4
52.5°	17287.7	15170.7	7781.2	2834.0	2484.0	2081.0	1757.5	1838.9	1863.5	1908.9
55°	19614.6	16035.3	6689.6	2729.9	2487.8	2139.7	1668.6	1789.7	1835.1	1852.1
57.5°	20965.4	15738.3	5408.8	2554.0	2472.6	2179.4	1611.9	1729.1	1816.2	1827.5
60°	20708.1	14695.9	3982.3	2419.7	2361.0	2164.3	1594.8	1636.4	1774.6	1791.6
62.5°	18725.5	12947.8	2764.0	2315.6	2115.1	2098.1	1589.1	1490.8	1683.7	1725.4
65°	15051.5	10193.3	1952.4	1994.0	1854.0	1954.3	1558.9	1339.4	1574.0	1630.8
67.5°	10919.7	6897.7	1409.4	1615.6	1680.0	1721.6	1490.8	1229.7	1449.2	1524.8
70°	7007.4	3725.0	989.4	1067.0	1415.1	1462.4	1373.5	1131.3	1322.4	1409.4
72.5°	4981.2	2200.2	711.3	747.3	1137.0	1218.3	1208.9	1021.6	1174.8	1280.8
75°	3437.5	1212.7	480.5	533.5	824.8	989.4	932.7	877.8	995.1	1102.9
77.5°	2154.8	543.0	287.6	370.8	541.1	777.5	639.4	679.2	775.7	875.9
80°	1199.4	210.0	160.8	245.9	295.1	565.7	353.8	437.0	571.3	643.2
82.5°	261.1	26.5	71.9	105.9	115.4	329.2	187.3	253.5	359.5	353.8
85°	0.0	0.0	13.2	15.1	7.6	141.9	68.1	83.2	117.3	109.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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°
3802.6	0°	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6
3420.5	2.5°	3405.3	3312.6	3244.5	3210.5	3182.1	3208.6	3223.7	3223.7	3288.0	3325.9
3151.8	5°	3085.6	2919.1	2792.4	2707.2	2656.2	2673.2	2692.1	2712.9	2794.3	2849.1
2992.9	7.5°	2864.3	2608.9	2415.9	2296.7	2234.3	2243.7	2257.0	2274.0	2353.5	2408.3
3015.6	10°	2822.6	2455.6	2183.2	2026.2	1950.5	1937.2	1929.7	1924.0	1971.3	2012.9
3272.9	12.5°	2992.9	2463.2	2082.9	1891.8	1799.1	1759.4	1714.0	1678.1	1685.6	1712.1
3662.6	15°	3297.5	2559.7	2050.8	1821.8	1706.4	1640.2	1587.3	1543.7	1534.3	1543.7
4003.1	17.5°	3645.6	2690.2	2047.0	1761.3	1617.5	1549.4	1505.9	1466.2	1452.9	1454.8
4194.2	20°	3876.4	2794.3	2035.6	1693.2	1532.4	1471.9	1434.0	1394.3	1381.0	1384.8
4141.2	22.5°	3899.1	2849.1	2018.6	1617.5	1447.3	1396.2	1358.3	1322.4	1320.5	1320.5
3942.6	25°	3776.1	2849.1	1982.7	1549.4	1365.9	1320.5	1286.5	1242.9	1250.5	1254.3
3717.5	27.5°	3585.0	2781.0	1914.5	1494.6	1295.9	1248.6	1214.6	1174.8	1184.3	1190.0
3507.5	30°	3395.9	2694.0	1833.2	1432.1	1229.7	1174.8	1150.2	1116.2	1120.0	1127.5
3299.4	32.5°	3219.9	2601.3	1736.7	1381.0	1163.5	1108.6	1089.7	1051.9	1057.5	1065.1
3095.1	35°	3045.9	2499.1	1623.2	1320.5	1102.9	1048.1	1032.9	989.4	993.2	1004.6
2890.7	37.5°	2858.6	2391.3	1530.5	1260.0	1044.3	987.5	972.4	927.0	930.8	944.0
2678.9	40°	2661.8	2285.3	1439.7	1195.6	981.9	925.1	911.9	862.7	866.5	881.6
2470.7	42.5°	2463.2	2169.9	1369.7	1112.4	917.5	857.0	843.8	798.4	804.0	821.1
2289.1	45°	2279.7	2031.8	1324.3	1019.7	857.0	788.9	775.7	734.0	745.4	764.3
2135.9	47.5°	2122.6	1890.0	1305.4	942.1	792.7	718.9	707.5	673.5	692.4	713.2
2005.4	50°	1988.3	1753.7	1280.8	862.7	732.1	658.4	647.0	624.3	648.9	669.7
1916.4	52.5°	1891.8	1598.6	1227.8	790.8	679.2	607.3	603.5	592.1	614.8	633.8
1850.2	55°	1808.6	1437.8	1142.7	728.4	631.9	563.8	567.6	561.9	580.8	595.9
1810.5	57.5°	1732.9	1297.8	1034.8	679.2	580.8	525.9	537.3	529.7	539.2	548.6
1768.9	60°	1642.1	1155.9	906.2	624.3	520.3	488.1	501.3	480.5	478.6	482.4
1693.2	62.5°	1507.8	964.8	771.9	556.2	467.3	446.5	452.2	412.4	382.2	382.2
1581.6	65°	1320.5	775.7	647.0	480.5	406.7	389.7	385.9	329.2	287.6	283.8
1460.5	67.5°	1102.9	637.6	537.3	404.9	338.6	327.3	331.1	289.5	247.8	244.0
1339.4	70°	898.6	527.8	433.2	323.5	261.1	272.4	289.5	247.8	208.1	202.4
1197.5	72.5°	730.3	420.0	338.6	247.8	193.0	225.1	245.9	202.4	164.6	160.8
1021.6	75°	563.8	308.4	242.2	168.4	140.0	174.0	193.0	147.6	117.3	111.6
790.8	77.5°	376.5	191.1	136.2	105.9	83.2	119.2	128.6	77.6	68.1	66.2
575.1	80°	228.9	88.9	58.6	51.1	28.4	43.5	51.1	32.2	35.9	37.8
306.5	82.5°	115.4	24.6	9.5	1.9	0.0	0.0	15.1	7.6	15.1	18.9
83.2	85°	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	9.5
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°
3802.6	0°	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6
3341.0	2.5°	3446.9	3526.4	3602.1	3723.2	3848.0	3971.0	4095.8	4216.9	4260.4	4292.6
2885.1	5°	3049.7	3199.1	3373.2	3613.4	3870.7	4135.6	4404.2	4650.2	4761.8	4837.4
2455.6	7.5°	2639.1	2834.0	3083.7	3445.0	3848.0	4269.9	4691.8	5079.6	5259.3	5405.0
2050.8	10°	2232.4	2444.3	2760.2	3172.6	3717.5	4322.9	4905.6	5439.1	5671.8	5855.3
1759.4	12.5°	1874.8	2073.5	2404.5	2860.5	3513.2	4281.2	5028.5	5669.9	5944.2	6150.4
1551.3	15°	1623.2	1763.2	2056.4	2548.3	3271.0	4146.9	5036.1	5779.6	6080.4	6296.1
1464.3	17.5°	1483.2	1530.5	1721.6	2230.5	3002.4	3971.0	4966.1	5817.4	6139.0	6339.6
1386.7	20°	1407.5	1415.1	1468.1	1818.1	2658.0	3806.4	4899.9	5855.3	6193.9	6362.3
1331.9	22.5°	1347.0	1347.0	1360.2	1487.0	2213.5	3609.6	4879.1	5921.5	6269.6	6373.6
1269.4	25°	1292.1	1292.1	1295.9	1330.0	1753.7	3308.8	4865.8	6023.6	6373.6	6402.0
1207.0	27.5°	1235.4	1237.3	1237.3	1256.2	1413.2	2900.2	4809.1	6156.1	6498.5	6439.8
1146.5	30°	1178.6	1182.4	1182.4	1195.6	1250.5	2421.6	4697.5	6315.0	6661.2	6489.0
1085.9	32.5°	1121.9	1125.6	1125.6	1137.0	1176.7	1933.5	4557.5	6460.7	6825.8	6509.8
1027.3	35°	1063.2	1068.9	1065.1	1080.2	1121.9	1538.1	4379.6	6606.3	7003.6	6576.1
970.5	37.5°	1004.6	1008.4	1006.5	1021.6	1068.9	1328.1	4173.4	6716.0	7245.8	6723.6
910.0	40°	945.9	944.0	944.0	961.1	1012.1	1267.5	3914.2	6890.1	7593.9	6982.8
849.4	42.5°	885.4	885.4	881.6	900.5	962.9	1222.1	3666.4	7202.3	8100.9	7395.2
792.7	45°	830.5	828.6	821.1	838.1	915.7	1142.7	3579.4	7784.9	8850.1	8063.0
735.9	47.5°	777.5	775.7	756.7	771.9	858.9	1070.8	3904.8	8738.4	9888.7	9044.9
690.5	50°	730.3	732.1	696.2	709.4	802.1	1015.9	4610.4	9975.7	11267.8	10367.3
652.7	52.5°	686.7	686.7	639.4	647.0	732.1	966.7	5282.0	11317.0	13087.8	12211.9
613.0	55°	643.2	639.4	586.5	590.3	662.1	896.7	5382.3	12626.2	15569.9	14987.2
569.4	57.5°	594.0	586.5	537.3	537.3	597.8	845.7	4665.3	13632.6	18649.8	19066.0
488.1	60°	533.5	527.8	495.7	486.2	546.7	891.1	3291.8	13749.9	20636.2	24489.9
387.8	62.5°	455.9	463.5	446.5	433.2	497.6	925.1	1950.5	12805.9	20155.7	26215.3
300.8	65°	359.5	389.7	385.9	376.5	546.7	779.4	1152.1	10993.5	18682.0	24822.9
263.0	67.5°	306.5	327.3	321.6	321.6	573.2	592.1	724.6	8589.0	16653.9	23171.3
219.5	70°	261.1	281.9	261.1	261.1	433.2	359.5	501.3	5997.1	14465.0	21343.8
175.9	72.5°	215.7	236.5	213.8	198.6	346.2	268.6	367.0	3747.7	12387.8	19440.6
124.9	75°	164.6	189.2	172.2	153.2	228.9	200.5	278.1	2177.5	10263.3	16633.1
75.7	77.5°	104.1	136.2	128.6	107.8	168.4	145.7	200.5	1295.9	7919.3	12997.0
45.4	80°	64.3	70.0	71.9	68.1	96.5	98.4	136.2	737.8	5420.1	9058.2
28.4	82.5°	41.6	41.6	32.2	35.9	47.3	56.8	77.6	278.1	3185.9	5514.7
17.0	85°	30.3	26.5	17.0	17.0	22.7	28.4	30.3	85.1	1292.1	2177.5
7.6	87.5°	15.1	13.2	5.7	7.6	11.4	9.5	7.6	3.8	325.4	696.2
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):

285°		295°	305°	315°	325°	335°	345°	355°	360°
3802.6	0°	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6	3802.6
4364.5	2.5°	4402.3	4461.0	4464.8	4464.8	4413.7	4411.8	4307.7	4296.4
5007.7	5°	5183.7	5221.5	5231.0	5212.0	5109.9	5034.2	4831.8	4788.3
5664.2	7.5°	5898.8	5974.4	5974.4	5929.0	5762.6	5607.4	5314.2	5204.5
6207.1	10°	6470.1	6557.1	6538.2	6445.5	6235.5	6021.7	5666.1	5522.3
6536.3	12.5°	6748.2	6837.1	6787.9	6682.0	6477.7	6252.5	5878.0	5715.3
6630.9	15°	6742.5	6717.9	6666.9	6653.6	6555.2	6385.0	6035.0	5857.2
6572.3	17.5°	6502.3	6294.2	6254.4	6386.9	6511.7	6470.1	6171.2	6004.7
6432.3	20°	6122.0	5758.8	5722.8	5976.3	6332.0	6513.6	6298.0	6144.7
6229.8	22.5°	5720.9	5329.3	5246.1	5526.1	6061.5	6526.9	6458.8	6305.5
6006.6	25°	5340.7	4947.2	4863.9	5125.0	5760.7	6504.2	6632.8	6502.3
5792.8	27.5°	5022.8	4642.6	4565.0	4826.1	5471.2	6439.8	6806.9	6714.2
5580.9	30°	4776.9	4425.0	4368.3	4619.9	5221.5	6360.4	7028.2	6977.1
5384.2	32.5°	4633.1	4375.8	4396.6	4602.9	5087.2	6273.4	7240.1	7264.7
5287.7	35°	4775.0	4786.4	4968.0	5053.1	5212.0	6260.1	7527.7	7624.1
5403.1	37.5°	5480.7	5874.2	6250.7	6180.7	5823.1	6413.4	7957.1	8136.8
5906.3	40°	6682.0	7489.8	8100.9	7834.1	6933.6	6882.5	8575.7	8844.4
6799.3	42.5°	8150.1	9519.8	10526.2	9811.1	8365.7	7703.6	9459.2	9801.6
7879.5	45°	9699.5	12022.7	13608.0	12121.1	9892.5	8853.8	10796.8	11065.4
8891.7	47.5°	11332.2	15064.8	17115.5	14682.6	11307.6	10163.0	12620.5	12682.9
9850.8	50°	13118.1	18400.1	20691.1	17242.3	12673.5	11663.2	14849.1	14777.2
10968.9	52.5°	14818.8	21830.0	24191.0	19813.3	13872.9	13524.8	17435.2	17287.7
12497.5	55°	16442.0	25258.0	27711.7	22284.0	15004.2	15984.2	20507.6	19614.6
14701.5	57.5°	18324.4	28339.8	31340.3	24766.1	16585.8	19177.6	23943.2	20965.4
18922.2	60°	21107.3	31841.6	35443.7	28167.7	19593.8	22533.8	25174.8	20708.1
23977.2	62.5°	24660.2	35061.6	38427.2	31501.1	22615.1	23165.6	23360.5	18725.5
22946.2	65°	25350.7	35876.9	38595.5	32392.2	22225.4	19650.6	19071.7	15051.5
20496.2	67.5°	23519.4	34403.2	36242.1	30733.0	19660.1	15185.8	14311.8	10919.7
18888.2	70°	21464.9	31593.8	32140.6	27912.3	17291.5	11169.5	9665.4	7007.4
17787.1	72.5°	19359.2	27846.1	26714.7	24240.2	15197.2	8133.0	6971.4	4981.2
16218.8	75°	16858.2	22917.8	21043.0	20140.6	12582.7	6383.1	5043.7	3437.5
13950.5	77.5°	13500.2	16131.8	15630.4	15611.5	9455.4	4663.4	3365.6	2154.8
10898.9	80°	9523.5	10469.5	10214.1	11757.8	6343.4	3382.6	2026.2	1199.4
7586.3	82.5°	4610.4	5789.0	5942.3	7001.7	3085.6	1990.2	467.3	261.1
2966.4	85°	1804.8	2792.4	2355.3	2658.0	866.5	554.3	11.4	0.0
488.1	87.5°	202.4	323.5	297.0	234.6	105.9	22.7	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)