

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: P952588

Luminaire Tested: **GALN-SB6B-927-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952588
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-927-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 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: 15863 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

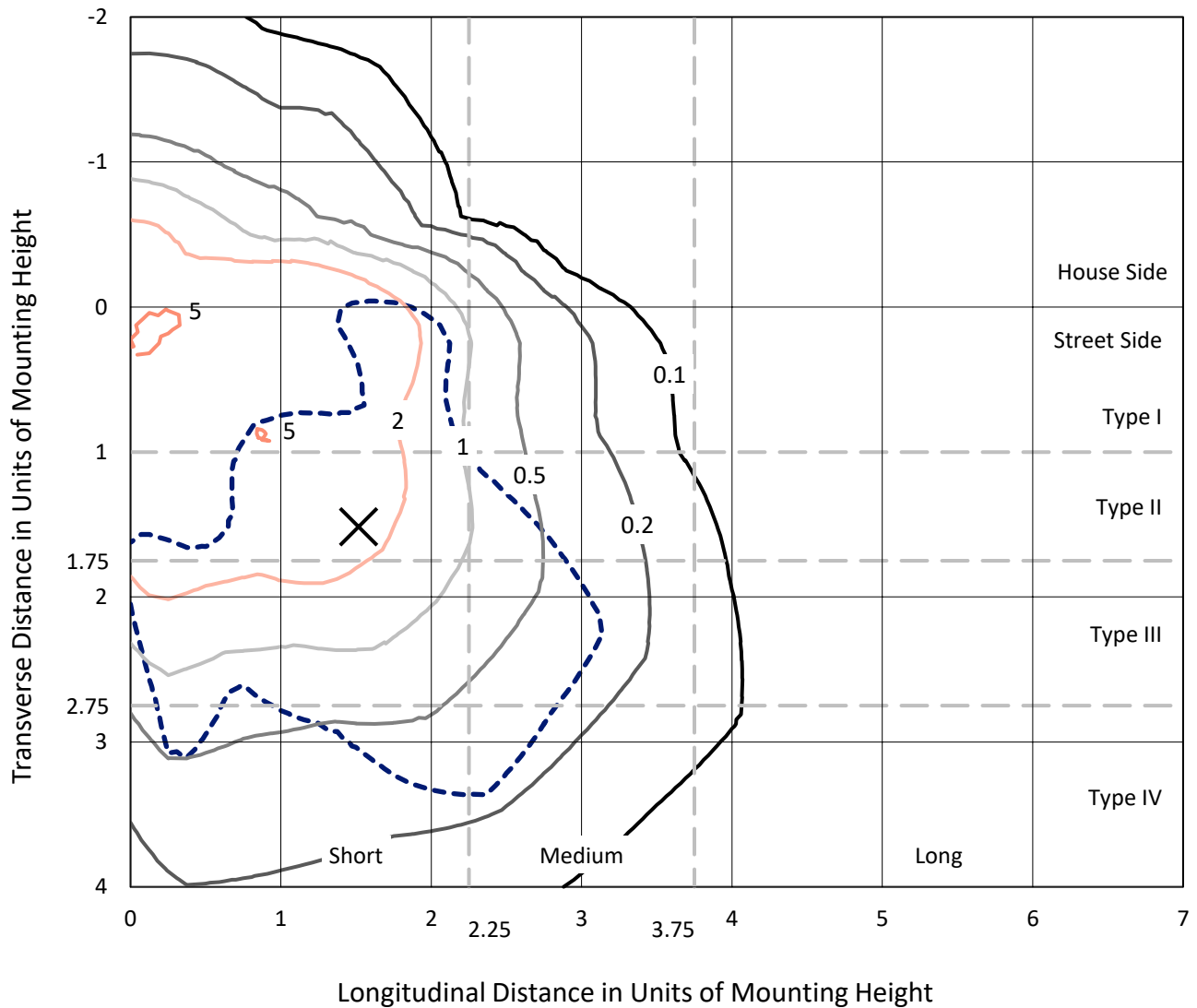
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

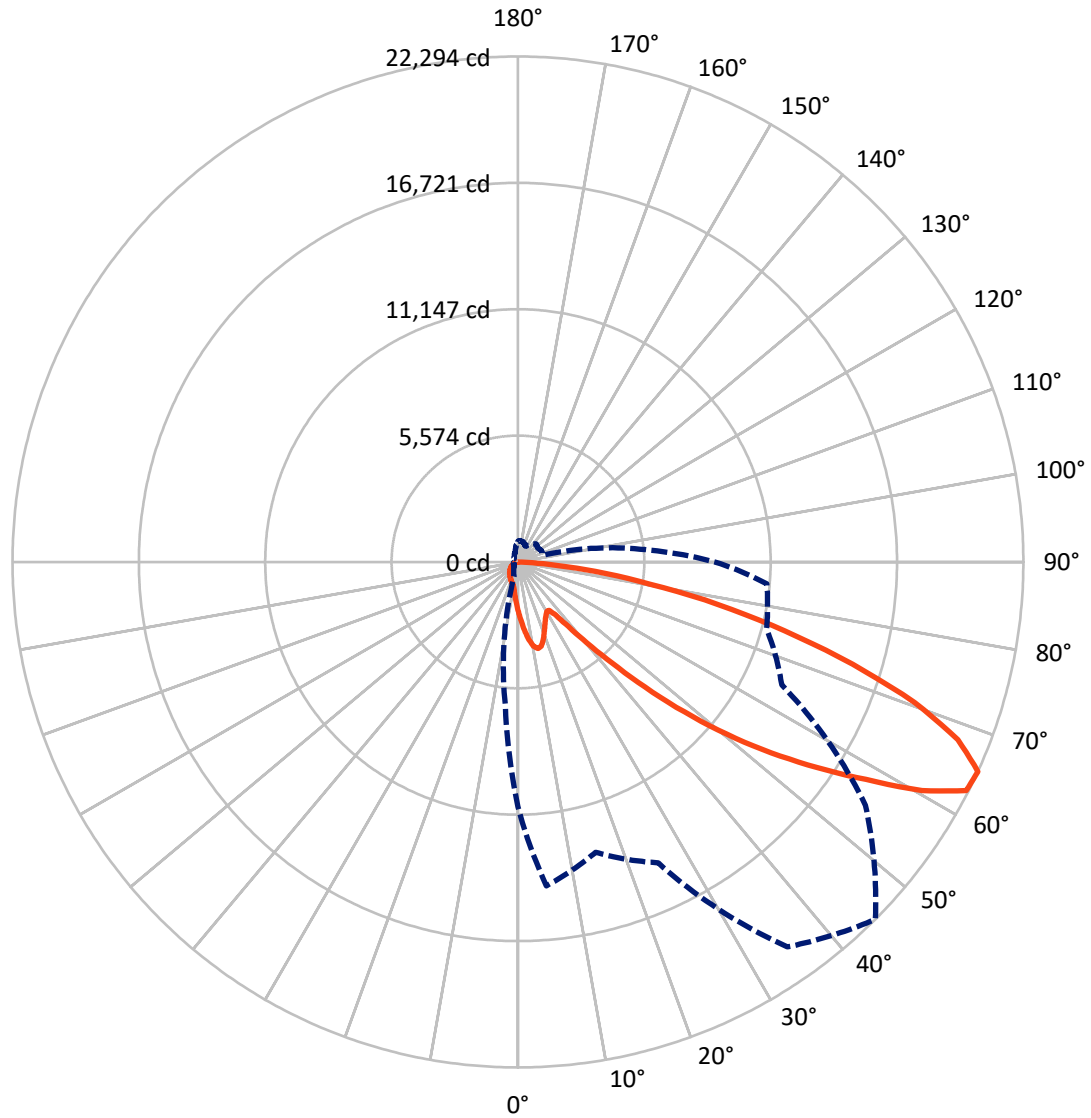
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	3153.1	0.0	3153.1
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	12709.9	0.0	12709.9
	% Fixture	80.1	0.0	80.1
Total	Lumens	15863.0	0.0	15863.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.3	1.4
10°-20°	648.3	4.1
20°-30°	955.0	6.0
30°-40°	1227.0	7.7
40°-50°	1984.3	12.5
50°-60°	3479.7	21.9
60°-70°	4354.1	27.4
70°-80°	2544.3	16.0
80°-90°	453.9	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°	15863.0	100.0
0°-180°	15863.0	100.0

Coefficient of Utilization



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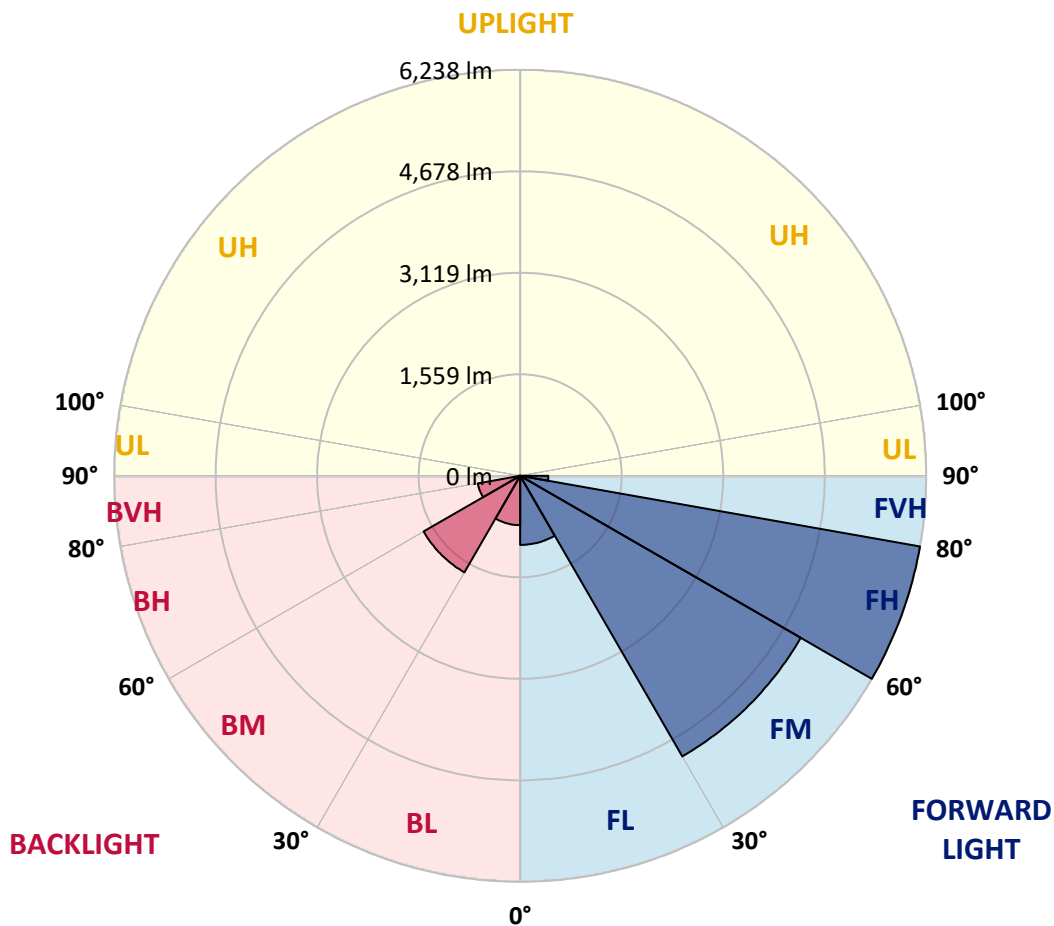
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1061.4	6.7			
FM (30°-60°)	4978.0	31.4			
FH (60°-80°)	6237.8	39.3			G3/7500
FVH (80°-90°)	432.7	2.7			G3/500
BL (0°-30°)	758.1	4.8	B2/1000		
BM (30°-60°)	1713.0	10.8	B2/2500		
BH (60°-80°)	660.6	4.2	B2/1000		G2/1000
BVH (80°-90°)	21.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5
2.5°	2461.0	2479.6	2521.1	2542.9	2576.8	2579.0	2579.0	2549.5	2548.4	2488.3
5°	2750.6	2794.3	2892.6	2994.3	3016.1	3021.6	3010.7	2951.6	2907.9	2791.0
7.5°	3038.0	3122.1	3271.8	3407.3	3451.0	3451.0	3424.8	3328.7	3239.0	3069.7
10°	3276.2	3382.2	3585.5	3737.4	3787.6	3776.7	3723.2	3601.9	3478.4	3272.9
12.5°	3433.6	3552.7	3775.6	3898.0	3949.4	3920.9	3859.8	3741.7	3611.7	3395.3
15°	3512.2	3636.8	3830.2	3894.7	3880.5	3851.0	3843.4	3786.5	3688.2	3486.0
17.5°	3546.1	3662.0	3796.4	3755.9	3635.7	3612.8	3689.3	3761.4	3737.4	3564.7
20°	3577.8	3675.1	3715.5	3536.3	3326.5	3305.7	3452.1	3657.6	3762.5	3637.9
22.5°	3621.5	3681.6	3598.6	3304.6	3078.4	3030.3	3192.1	3501.3	3770.1	3730.8
25°	3681.6	3698.0	3469.6	3085.0	2857.7	2809.6	2960.4	3327.6	3757.0	3831.3
27.5°	3753.8	3719.9	3346.1	2901.4	2681.7	2636.9	2787.7	3160.4	3719.9	3931.9
30°	3847.7	3748.3	3223.7	2759.3	2556.0	2523.3	2668.6	3016.1	3674.0	4059.7
32.5°	3942.8	3760.3	3110.1	2676.3	2527.6	2539.7	2658.8	2938.5	3623.7	4182.1
35°	4045.5	3798.6	3054.4	2758.2	2764.8	2869.7	2918.9	3010.7	3616.1	4348.2
37.5°	4185.4	3883.8	3121.0	3165.8	3393.1	3610.6	3570.2	3363.6	3704.6	4596.3
40°	4386.5	4033.5	3411.7	3859.8	4326.4	4679.3	4525.3	4005.1	3975.6	4953.6
42.5°	4679.3	4271.7	3927.5	4707.8	5498.9	6080.3	5667.2	4832.3	4449.9	5464.0
45°	5112.1	4657.5	4551.5	5602.8	6944.7	7860.5	7001.5	5714.2	5114.3	6236.6
47.5°	5712.0	5224.7	5136.1	6545.8	8701.9	9886.5	8481.2	6531.6	5870.5	7290.0
50°	6508.7	5988.5	5690.2	7577.4	10628.5	11951.9	9959.7	7320.6	6737.1	8577.3
52.5°	7560.0	7054.0	6336.0	8559.9	12609.8	13973.6	11444.8	8013.5	7812.4	10071.2
55°	8993.7	8657.1	7219.0	9497.5	14589.9	16007.3	12872.0	8667.0	9233.0	11845.9
57.5°	10772.8	11013.2	8492.1	10584.8	16370.1	18103.2	14305.8	9580.5	11077.7	13830.4
60°	11920.2	14146.2	10930.1	12192.3	18392.8	20473.5	16270.6	11318.1	13016.3	14541.8
62.5°	11642.6	15142.9	13850.1	14244.6	20252.8	22196.9	18196.1	13063.3	13381.3	13493.8
65°	10791.4	14338.6	13254.5	14643.5	20723.8	22294.1	18710.8	12838.2	11350.9	11016.5
67.5°	9619.9	13384.6	11839.3	13585.6	19872.5	20934.7	17752.5	11356.3	8771.9	8267.0
70°	8355.5	12328.9	10910.5	12398.9	18249.7	18565.5	16123.1	9988.1	6451.9	5583.1
72.5°	7155.6	11229.6	10274.5	11182.6	16084.8	15431.4	14002.0	8778.4	4697.9	4026.9
75°	5928.4	9607.9	9368.5	9737.9	13238.1	12155.2	11633.9	7268.2	3687.1	2913.4
77.5°	4574.4	7507.5	8058.3	7798.2	9318.3	9028.7	9017.7	5461.8	2693.7	1944.1
80°	3130.9	5232.3	6295.6	5501.1	6047.5	5900.0	6791.7	3664.1	1953.9	1170.4
82.5°	1840.3	3185.5	4382.1	2663.1	3344.0	3432.5	4044.4	1782.3	1149.6	269.9
85°	746.4	1257.8	1713.5	1042.5	1613.0	1360.5	1535.4	500.5	320.2	6.6
87.5°	188.0	402.1	281.9	116.9	186.9	171.6	135.5	61.2	13.1	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2196.5	0°	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5
2481.7	2.5°	2439.1	2414.0	2351.7	2289.4	2239.1	2171.4	2126.6	2073.0	2021.7	1975.8
2765.9	5°	2697.0	2614.0	2500.3	2396.5	2290.5	2187.8	2086.1	1979.1	1880.7	1820.6
3006.3	7.5°	2906.8	2760.4	2609.6	2477.4	2349.5	2229.3	2094.9	1964.8	1810.8	1728.8
3189.9	10°	3063.1	2870.8	2673.0	2521.1	2392.1	2275.2	2161.5	2030.4	1844.6	1741.9
3301.3	12.5°	3165.8	2937.4	2705.8	2532.0	2387.8	2297.1	2246.8	2195.4	2010.7	1890.5
3383.3	15°	3236.9	2984.4	2728.7	2506.9	2329.8	2263.2	2313.4	2372.5	2254.4	2115.7
3468.5	17.5°	3314.4	3045.6	2738.5	2439.1	2217.3	2188.9	2318.9	2455.5	2450.0	2312.4
3549.4	20°	3396.4	3099.2	2732.0	2329.8	2080.7	2105.8	2271.9	2430.4	2497.0	2422.7
3642.3	22.5°	3480.6	3150.5	2706.9	2187.8	1952.8	2031.5	2197.6	2336.4	2415.1	2392.1
3755.9	25°	3586.6	3222.7	2669.7	2034.8	1846.8	1956.1	2111.3	2223.8	2278.5	2277.4
3878.3	27.5°	3713.3	3318.8	2650.0	1911.3	1771.4	1870.9	2008.6	2109.1	2147.3	2147.3
4030.2	30°	3860.8	3432.5	2628.2	1830.4	1727.7	1782.3	1889.4	1987.8	2026.0	2026.0
4196.3	32.5°	4024.8	3541.7	2575.7	1781.3	1694.9	1696.0	1763.8	1853.4	1899.3	1905.8
4404.0	35°	4221.5	3658.7	2461.0	1741.9	1656.7	1611.9	1644.7	1719.0	1773.6	1787.8
4700.1	37.5°	4479.4	3801.8	2297.1	1684.0	1597.7	1523.4	1531.0	1587.8	1647.9	1669.8
5108.8	40°	4825.8	3970.1	2126.6	1600.9	1514.6	1426.1	1422.8	1464.3	1523.4	1547.4
5661.8	42.5°	5283.7	4172.3	1963.8	1521.2	1414.1	1323.4	1317.9	1350.7	1402.1	1427.2
6391.8	45°	5869.4	4420.4	1823.9	1458.9	1315.7	1226.1	1223.9	1251.3	1296.1	1322.3
7326.1	47.5°	6683.5	4668.4	1728.8	1426.1	1238.1	1146.3	1150.7	1174.8	1215.2	1233.8
8535.8	50°	7744.6	4743.8	1680.7	1426.1	1196.6	1075.3	1097.2	1116.8	1147.4	1158.4
9986.0	52.5°	8763.1	4494.7	1637.0	1434.8	1202.1	1015.2	1062.2	1076.4	1102.6	1107.0
11330.1	55°	9262.5	3864.1	1576.9	1437.0	1236.0	963.8	1033.8	1060.0	1069.8	1068.8
12110.4	57.5°	9091.0	3124.3	1475.3	1428.3	1258.9	931.1	998.8	1049.1	1055.6	1045.8
11961.7	60°	8488.8	2300.3	1397.7	1363.8	1250.2	921.2	945.3	1025.0	1034.9	1021.8
10816.5	62.5°	7479.1	1596.6	1337.6	1221.7	1211.9	917.9	861.1	972.6	996.6	978.1
8694.3	65°	5888.0	1127.8	1151.8	1070.9	1128.9	900.5	773.7	909.2	942.0	913.6
6307.6	67.5°	3984.3	814.1	933.2	970.4	994.4	861.1	710.3	837.1	880.8	843.6
4047.7	70°	2151.7	571.5	616.3	817.4	844.7	793.4	653.5	763.9	814.1	773.7
2877.3	72.5°	1270.9	410.9	431.7	656.8	703.8	698.3	590.1	678.6	739.8	691.7
1985.6	75°	700.5	277.6	308.2	476.5	571.5	538.7	507.1	574.8	637.1	590.1
1244.7	77.5°	313.6	166.1	214.2	312.5	449.1	369.4	392.3	448.0	506.0	456.8
692.8	80°	121.3	92.9	142.1	170.5	326.7	204.4	252.4	330.0	371.6	332.2
150.8	82.5°	15.3	41.5	61.2	66.7	190.1	108.2	146.4	207.6	204.4	177.0
0.0	85°	0.0	7.6	8.7	4.4	82.0	39.3	48.1	67.8	63.4	48.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	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°
2196.5	0°	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5
1967.0	2.5°	1913.5	1874.1	1854.5	1838.1	1853.4	1862.1	1862.1	1899.3	1921.1	1929.9
1782.3	5°	1686.2	1613.0	1563.8	1534.3	1544.1	1555.0	1567.1	1614.1	1645.7	1666.5
1654.5	7.5°	1507.0	1395.5	1326.7	1290.6	1296.1	1303.7	1313.5	1359.4	1391.1	1418.4
1630.5	10°	1418.4	1261.1	1170.4	1126.7	1119.0	1114.7	1111.4	1138.7	1162.7	1184.6
1728.8	12.5°	1422.8	1203.2	1092.8	1039.2	1016.3	990.1	969.3	973.7	989.0	1016.3
1904.7	15°	1478.6	1184.6	1052.4	985.7	947.5	916.9	891.7	886.3	891.7	896.1
2105.8	17.5°	1554.0	1182.4	1017.4	934.3	895.0	869.9	846.9	839.3	840.4	845.8
2239.1	20°	1614.1	1175.8	978.1	885.2	850.2	828.3	805.4	797.7	799.9	801.0
2252.3	22.5°	1645.7	1166.0	934.3	836.0	806.5	784.6	763.9	762.8	762.8	769.3
2181.2	25°	1645.7	1145.2	895.0	789.0	762.8	743.1	718.0	722.3	724.5	733.3
2070.8	27.5°	1606.4	1105.9	863.3	748.6	721.2	701.6	678.6	684.1	687.4	697.2
1961.6	30°	1556.1	1058.9	827.2	710.3	678.6	664.4	644.7	646.9	651.3	662.2
1859.9	32.5°	1502.6	1003.2	797.7	672.1	640.4	629.4	607.6	610.9	615.2	627.3
1759.4	35°	1443.6	937.6	762.8	637.1	605.4	596.7	571.5	573.7	580.3	593.4
1651.2	37.5°	1381.3	884.1	727.8	603.2	570.4	561.7	535.5	537.7	545.3	560.6
1537.6	40°	1320.1	831.6	690.6	567.2	534.4	526.7	498.3	500.5	509.2	525.6
1422.8	42.5°	1253.4	791.2	642.6	530.0	495.0	487.4	461.2	464.4	474.3	490.7
1316.8	45°	1173.7	765.0	589.0	495.0	455.7	448.0	424.0	430.6	441.5	457.9
1226.1	47.5°	1091.7	754.0	544.2	457.9	415.3	408.7	389.0	400.0	412.0	425.1
1148.5	50°	1013.0	739.8	498.3	422.9	380.3	373.7	360.6	374.8	386.8	398.9
1092.8	52.5°	923.4	709.2	456.8	392.3	350.8	348.6	342.0	355.2	366.1	377.0
1044.7	55°	830.5	660.0	420.7	365.0	325.7	327.8	324.6	335.5	344.2	354.1
1001.0	57.5°	749.7	597.8	392.3	335.5	303.8	310.4	306.0	311.4	316.9	328.9
948.5	60°	667.7	523.4	360.6	300.5	281.9	289.6	277.6	276.5	278.7	281.9
871.0	62.5°	557.3	445.9	321.3	269.9	257.9	261.2	238.2	220.7	220.7	224.0
762.8	65°	448.0	373.7	277.6	235.0	225.1	222.9	190.1	166.1	163.9	173.8
637.1	67.5°	368.3	310.4	233.9	195.6	189.1	191.2	167.2	143.2	141.0	151.9
519.1	70°	304.9	250.3	186.9	150.8	157.4	167.2	143.2	120.2	116.9	126.8
421.8	72.5°	242.6	195.6	143.2	111.5	130.0	142.1	116.9	95.1	92.9	101.6
325.7	75°	178.1	139.9	97.3	80.9	100.5	111.5	85.2	67.8	64.5	72.1
217.5	77.5°	110.4	78.7	61.2	48.1	68.8	74.3	44.8	39.3	38.2	43.7
132.2	80°	51.4	33.9	29.5	16.4	25.1	29.5	18.6	20.8	21.9	26.2
66.7	82.5°	14.2	5.5	1.1	0.0	0.0	8.7	4.4	8.7	10.9	16.4
5.5	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.5	9.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
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°
2196.5	0°	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5	2196.5
1991.1	2.5°	2037.0	2080.7	2150.6	2222.7	2293.8	2365.9	2435.8	2461.0
1761.6	5°	1847.9	1948.5	2087.2	2235.9	2388.8	2544.0	2686.1	2750.6
1524.4	7.5°	1637.0	1781.3	1990.0	2222.7	2466.4	2710.1	2934.2	3038.0
1289.5	10°	1411.9	1594.4	1832.6	2147.3	2497.0	2833.6	3141.8	3276.2
1083.0	12.5°	1197.7	1388.9	1652.3	2029.3	2473.0	2904.6	3275.1	3433.6
937.6	15°	1018.5	1187.9	1472.0	1889.4	2395.4	2909.0	3338.5	3512.2
856.8	17.5°	884.1	994.4	1288.4	1734.3	2293.8	2868.6	3360.3	3546.1
813.0	20°	817.4	848.0	1050.2	1535.4	2198.7	2830.3	3382.2	3577.8
778.1	22.5°	778.1	785.7	858.9	1278.6	2085.1	2818.3	3420.4	3621.5
746.4	25°	746.4	748.6	768.2	1013.0	1911.3	2810.7	3479.5	3681.6
713.6	27.5°	714.7	714.7	725.6	816.3	1675.3	2777.9	3556.0	3753.8
680.8	30°	683.0	683.0	690.6	722.3	1398.8	2713.4	3647.7	3847.7
648.0	32.5°	650.2	650.2	656.8	679.7	1116.8	2632.5	3731.9	3942.8
614.2	35°	617.4	615.2	624.0	648.0	888.4	2529.8	3816.0	4045.5
580.3	37.5°	582.5	581.4	590.1	617.4	767.1	2410.7	3879.4	4185.4
546.4	40°	545.3	545.3	555.1	584.6	732.2	2261.0	3980.0	4386.5
511.4	42.5°	511.4	509.2	520.2	556.2	705.9	2117.8	4160.3	4679.3
479.7	45°	478.6	474.3	484.1	528.9	660.0	2067.6	4496.9	5112.1
449.1	47.5°	448.0	437.1	445.9	496.1	618.5	2255.5	5047.6	5712.0
421.8	50°	422.9	402.1	409.8	463.3	586.8	2663.1	5762.3	6508.7
396.7	52.5°	396.7	369.4	373.7	422.9	558.4	3051.1	6537.1	7560.0
371.6	55°	369.4	338.8	341.0	382.5	518.0	3109.0	7293.3	8993.7
343.1	57.5°	338.8	310.4	310.4	345.3	488.5	2694.8	7874.7	10772.8
308.2	60°	304.9	286.3	280.8	315.8	514.7	1901.5	7942.4	11920.2
263.4	62.5°	267.7	257.9	250.3	287.4	534.4	1126.7	7397.1	11642.6
207.6	65°	225.1	222.9	217.5	315.8	450.2	665.5	6350.2	10791.4
177.0	67.5°	189.1	185.8	185.8	331.1	342.0	418.5	4961.3	9619.9
150.8	70°	162.8	150.8	150.8	250.3	207.6	289.6	3464.2	8355.5
124.6	72.5°	136.6	123.5	114.7	200.0	155.2	212.0	2164.8	7155.6
95.1	75°	109.3	99.4	88.5	132.2	115.8	160.6	1257.8	5928.4
60.1	77.5°	78.7	74.3	62.3	97.3	84.1	115.8	748.6	4574.4
37.2	80°	40.4	41.5	39.3	55.7	56.8	78.7	426.2	3130.9
24.0	82.5°	24.0	18.6	20.8	27.3	32.8	44.8	160.6	1840.3
17.5	85°	15.3	9.8	9.8	13.1	16.4	17.5	49.2	746.4
8.7	87.5°	7.6	3.3	4.4	6.6	5.5	4.4	2.2	188.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)