

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: P949102

Luminaire Tested: **GALN-SB3D-950-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949102
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-SB3D-950-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 900mA 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: 16210 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

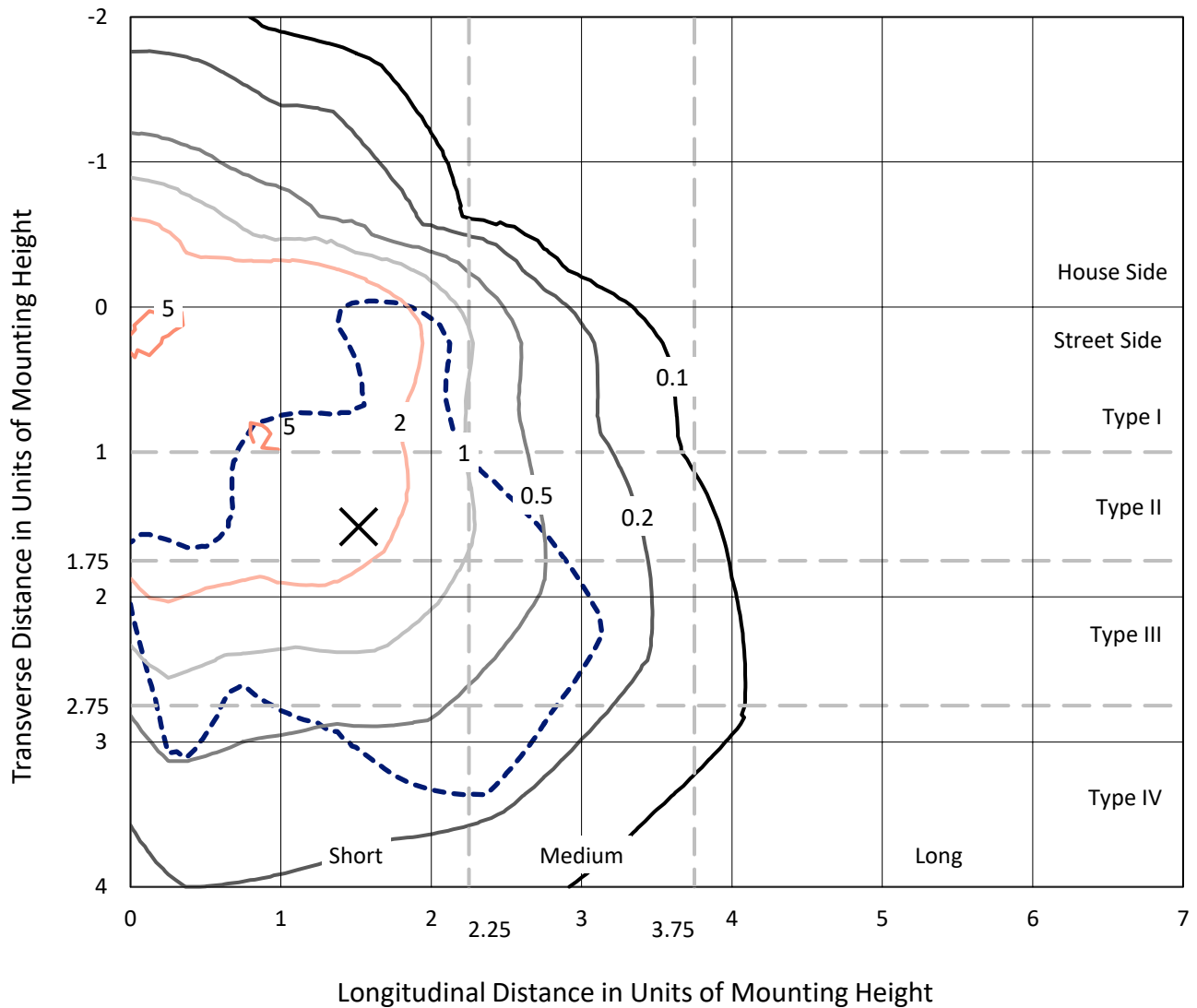
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

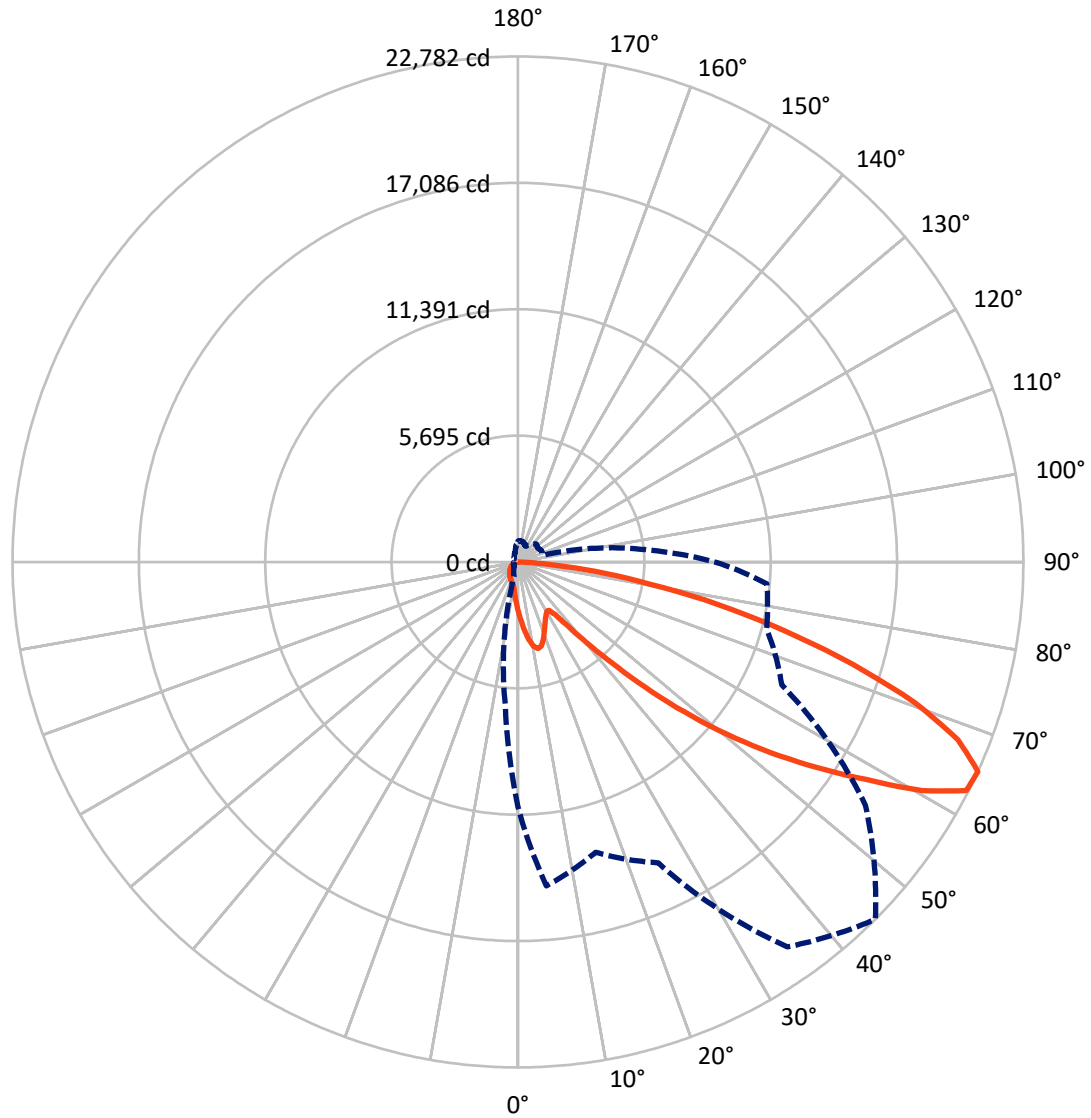
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	3222.0	0.0	3222.0
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	12988.0	0.0	12988.0
	% Fixture	80.1	0.0	80.1
Total	Lumens	16210.0	0.0	16210.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.0	1.4
10°-20°	662.4	4.1
20°-30°	975.9	6.0
30°-40°	1253.8	7.7
40°-50°	2027.8	12.5
50°-60°	3555.9	21.9
60°-70°	4449.4	27.4
70°-80°	2600.0	16.0
80°-90°	463.9	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°	16210.0	100.0
0°-180°	16210.0	100.0



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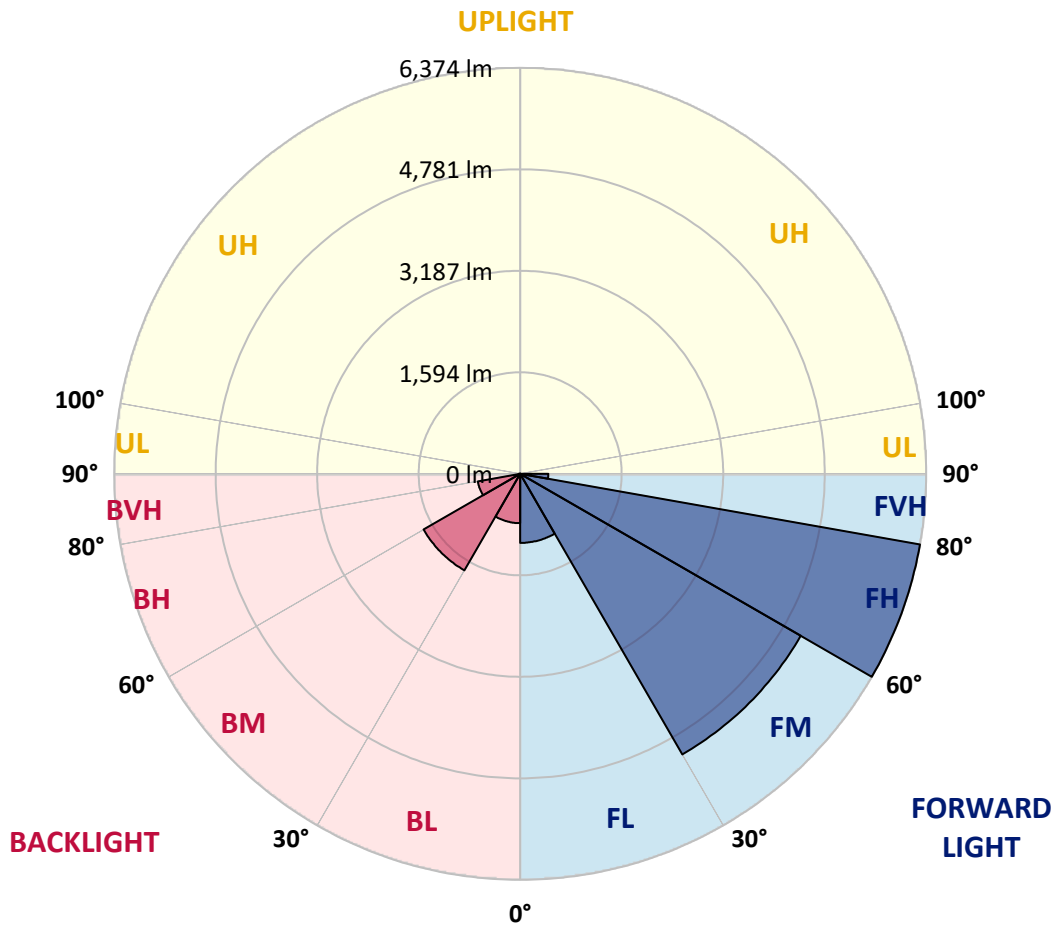
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1084.6	6.7			
FM (30°-60°)	5086.9	31.4			
FH (60°-80°)	6374.3	39.3			G3/7500
FVH (80°-90°)	442.1	2.7			G3/500
BL (0°-30°)	774.7	4.8	B2/1000		
BM (30°-60°)	1750.5	10.8	B2/2500		
BH (60°-80°)	675.1	4.2	B2/1000		G2/1000
BVH (80°-90°)	21.7	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°	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6
2.5°	2514.8	2533.8	2576.2	2598.6	2633.2	2635.4	2635.4	2605.3	2604.1	2542.7
5°	2810.7	2855.4	2955.9	3059.8	3082.1	3087.7	3076.5	3016.2	2971.5	2852.1
7.5°	3104.4	3190.4	3343.4	3481.9	3526.5	3526.5	3499.7	3401.5	3309.9	3136.8
10°	3347.9	3456.2	3663.9	3819.1	3870.5	3859.3	3804.6	3680.6	3554.5	3344.5
12.5°	3508.7	3630.4	3858.2	3983.3	4035.8	4006.7	3944.2	3823.6	3690.7	3469.6
15°	3589.1	3716.4	3914.0	3979.9	3965.4	3935.2	3927.4	3869.4	3768.9	3562.3
17.5°	3623.7	3742.1	3879.4	3838.1	3715.3	3691.8	3770.0	3843.7	3819.1	3642.7
20°	3656.1	3755.5	3796.8	3613.6	3399.2	3378.0	3527.7	3737.6	3844.8	3717.5
22.5°	3700.7	3762.2	3677.3	3376.9	3145.7	3096.6	3261.9	3577.9	3852.6	3812.4
25°	3762.2	3778.9	3545.5	3152.4	2920.2	2871.0	3025.1	3400.4	3839.2	3915.1
27.5°	3835.9	3801.2	3419.3	2964.8	2740.4	2694.6	2848.7	3229.5	3801.2	4017.9
30°	3931.9	3830.3	3294.3	2819.7	2612.0	2578.5	2727.0	3082.1	3754.3	4148.5
32.5°	4029.1	3842.6	3178.1	2734.8	2582.9	2595.2	2716.9	3002.8	3703.0	4273.6
35°	4134.0	3881.6	3121.2	2818.5	2825.3	2932.5	2982.7	3076.5	3695.2	4443.3
37.5°	4277.0	3968.8	3189.3	3235.1	3467.4	3689.6	3648.3	3437.2	3785.6	4696.8
40°	4482.4	4121.7	3486.3	3944.2	4421.0	4781.7	4624.3	4092.7	4062.6	5062.0
42.5°	4781.7	4365.2	4013.4	4810.7	5619.2	6213.3	5791.2	4938.0	4547.2	5583.5
45°	5223.9	4759.4	4651.1	5725.3	7096.6	8032.4	7154.7	5839.2	5226.2	6373.0
47.5°	5837.0	5338.9	5248.5	6689.0	8892.3	10102.8	8666.7	6674.5	5998.9	7449.5
50°	6651.1	6119.5	5814.7	7743.2	10861.0	12213.3	10177.6	7480.8	6884.5	8765.0
52.5°	7725.3	7208.3	6474.6	8747.1	12885.6	14279.2	11695.2	8188.8	7983.3	10291.5
55°	9190.4	8846.5	7376.9	9705.2	14909.1	16357.4	13153.6	8856.5	9435.0	12105.0
57.5°	11008.4	11254.1	8677.9	10816.4	16728.2	18499.2	14618.7	9790.1	11320.0	14133.0
60°	12181.0	14455.7	11169.2	12459.0	18795.2	20921.4	16626.5	11565.7	13301.0	14859.9
62.5°	11897.3	15474.1	14153.1	14556.2	20695.8	22682.4	18594.2	13349.0	13674.0	13789.0
65°	11027.4	14652.2	13544.5	14963.8	21177.1	22781.8	19120.1	13119.0	11599.2	11257.4
67.5°	9830.3	13677.3	12098.3	13882.8	20307.2	21392.6	18140.8	11604.7	8963.7	8447.8
70°	8538.3	12598.6	11149.1	12670.1	18648.9	18971.6	16475.8	10206.6	6593.0	5705.2
72.5°	7312.1	11475.2	10499.2	11427.2	16436.7	15768.9	14308.3	8970.4	4800.7	4115.0
75°	6058.1	9818.0	9573.5	9950.9	13527.7	12421.1	11888.4	7427.2	3767.7	2977.1
77.5°	4674.5	7671.7	8234.5	7968.8	9522.1	9226.2	9215.0	5581.3	2752.7	1986.6
80°	3199.3	5346.8	6433.3	5621.5	6179.8	6029.1	6940.3	3744.3	1996.7	1196.0
82.5°	1880.5	3255.2	4478.0	2721.4	3417.1	3507.6	4132.9	1821.3	1174.8	275.8
85°	762.7	1285.3	1751.0	1065.3	1648.2	1390.3	1569.0	511.4	327.2	6.7
87.5°	192.1	410.9	288.1	119.5	191.0	175.3	138.5	62.5	13.4	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2244.6	0°	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6
2536.0	2.5°	2492.5	2466.8	2403.1	2339.5	2288.1	2218.9	2173.1	2118.4	2065.9	2019.0
2826.4	5°	2756.0	2671.1	2555.0	2448.9	2340.6	2235.6	2131.8	2022.3	1921.8	1860.4
3072.0	7.5°	2970.4	2820.8	2666.7	2531.6	2400.9	2278.1	2140.7	2007.8	1850.4	1766.6
3259.6	10°	3130.1	2933.6	2731.4	2576.2	2444.5	2325.0	2208.8	2074.8	1885.0	1780.0
3373.5	12.5°	3235.1	3001.7	2764.9	2587.4	2440.0	2347.3	2295.9	2243.4	2054.7	1931.9
3457.3	15°	3307.7	3049.7	2788.4	2561.7	2380.8	2312.7	2364.1	2424.4	2303.8	2161.9
3544.4	17.5°	3387.0	3112.2	2798.4	2492.5	2265.8	2236.7	2369.6	2509.2	2503.6	2362.9
3627.0	20°	3470.7	3167.0	2791.7	2380.8	2126.2	2151.9	2321.6	2483.5	2551.7	2475.7
3722.0	22.5°	3556.7	3219.4	2766.1	2235.6	1995.5	2075.9	2245.7	2387.5	2467.9	2444.5
3838.1	25°	3665.0	3293.1	2728.1	2079.3	1887.2	1998.9	2157.5	2272.5	2328.3	2327.2
3963.2	27.5°	3794.5	3391.4	2708.0	1953.1	1810.2	1911.8	2052.5	2155.2	2194.3	2194.3
4118.4	30°	3945.3	3507.6	2685.7	1870.5	1765.5	1821.3	1930.8	2031.3	2070.4	2070.4
4288.1	32.5°	4112.8	3619.2	2632.1	1820.2	1732.0	1733.1	1802.4	1893.9	1940.8	1947.5
4500.3	35°	4313.8	3738.7	2514.8	1780.0	1692.9	1647.1	1680.6	1756.6	1812.4	1826.9
4802.9	37.5°	4577.4	3885.0	2347.3	1720.8	1632.6	1556.7	1564.5	1622.6	1684.0	1706.3
5220.6	40°	4931.3	4057.0	2173.1	1636.0	1547.7	1457.3	1453.9	1496.4	1556.7	1581.2
5785.6	42.5°	5399.2	4263.6	2006.7	1554.4	1445.0	1352.3	1346.7	1380.2	1432.7	1458.4
6531.6	45°	5997.8	4517.1	1863.8	1490.8	1344.5	1252.9	1250.7	1278.6	1324.4	1351.2
7486.4	47.5°	6829.7	4770.5	1766.6	1457.3	1265.2	1171.4	1175.9	1200.5	1241.8	1260.8
8722.5	50°	7914.1	4847.6	1717.5	1457.3	1222.8	1098.8	1121.2	1141.3	1172.5	1183.7
10204.4	52.5°	8954.8	4593.0	1672.8	1466.2	1228.4	1037.4	1085.4	1099.9	1126.7	1131.2
11577.9	55°	9465.1	3948.7	1611.4	1468.5	1263.0	984.9	1056.4	1083.2	1093.2	1092.1
12375.3	57.5°	9289.8	3192.6	1507.5	1459.5	1286.4	951.4	1020.7	1072.0	1078.7	1068.7
12223.4	60°	8674.5	2350.7	1428.3	1393.6	1277.5	941.4	965.9	1047.5	1057.5	1044.1
11053.1	62.5°	7642.7	1631.5	1366.8	1248.5	1238.4	938.0	880.0	993.9	1018.4	999.4
8884.5	65°	6016.8	1152.4	1177.0	1094.4	1153.6	920.2	790.6	929.1	962.6	933.6
6445.6	67.5°	4071.5	831.9	953.7	991.6	1016.2	880.0	725.9	855.4	900.1	862.1
4136.3	70°	2198.8	584.0	629.8	835.3	863.2	810.7	667.8	780.6	831.9	790.6
2940.3	72.5°	1298.7	419.9	441.1	671.1	719.2	713.6	603.0	693.5	756.0	706.9
2029.0	75°	715.8	283.6	314.9	486.9	584.0	550.5	518.1	587.4	651.0	603.0
1271.9	77.5°	320.5	169.7	218.9	319.4	459.0	377.4	400.9	457.8	517.0	466.8
708.0	80°	124.0	94.9	145.2	174.2	333.9	208.8	258.0	337.2	379.7	339.5
154.1	82.5°	15.6	42.4	62.5	68.1	194.3	110.6	149.6	212.2	208.8	180.9
0.0	85°	0.0	7.8	8.9	4.5	83.8	40.2	49.1	69.2	64.8	49.1
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°
2244.6	0°	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6
2010.1	2.5°	1955.3	1915.1	1895.0	1878.3	1893.9	1902.9	1902.9	1940.8	1963.2	1972.1
1821.3	5°	1723.1	1648.2	1598.0	1567.8	1577.9	1589.1	1601.3	1649.4	1681.7	1703.0
1690.7	7.5°	1539.9	1426.0	1355.7	1318.8	1324.4	1332.2	1342.3	1389.2	1421.6	1449.5
1666.1	10°	1449.5	1288.7	1196.0	1151.3	1143.5	1139.0	1135.7	1163.6	1188.2	1210.5
1766.6	12.5°	1453.9	1229.5	1116.7	1062.0	1038.5	1011.7	990.5	995.0	1010.6	1038.5
1946.4	15°	1510.9	1210.5	1075.4	1007.3	968.2	936.9	911.2	905.6	911.2	915.7
2151.9	17.5°	1587.9	1208.3	1039.6	954.8	914.6	888.9	865.4	857.6	858.7	864.3
2288.1	20°	1649.4	1201.6	999.4	904.5	868.8	846.5	823.0	815.2	817.4	818.5
2301.5	22.5°	1681.7	1191.5	954.8	854.3	824.1	801.8	780.6	779.5	779.5	786.2
2228.9	25°	1681.7	1170.3	914.6	806.3	779.5	759.4	733.7	738.1	740.4	749.3
2116.1	27.5°	1641.5	1130.1	882.2	764.9	737.0	716.9	693.5	699.1	702.4	712.5
2004.5	30°	1590.2	1082.1	845.3	725.9	693.5	679.0	658.9	661.1	665.6	676.7
1900.6	32.5°	1535.5	1025.1	815.2	686.8	654.4	643.2	620.9	624.2	628.7	641.0
1797.9	35°	1475.2	958.1	779.5	651.0	618.7	609.7	584.0	586.3	593.0	606.4
1687.3	37.5°	1411.5	903.4	743.7	616.4	582.9	574.0	547.2	549.4	557.2	572.9
1571.2	40°	1349.0	849.8	705.8	579.6	546.1	538.2	509.2	511.4	520.4	537.1
1453.9	42.5°	1280.9	808.5	656.6	541.6	505.9	498.0	471.2	474.6	484.6	501.4
1345.6	45°	1199.3	781.7	601.9	505.9	465.7	457.8	433.3	440.0	451.1	467.9
1252.9	47.5°	1115.6	770.5	556.1	467.9	424.3	417.6	397.5	408.7	421.0	434.4
1173.7	50°	1035.2	756.0	509.2	432.2	388.6	381.9	368.5	383.0	395.3	407.6
1116.7	52.5°	943.6	724.7	466.8	400.9	358.5	356.2	349.5	362.9	374.1	385.3
1067.6	55°	848.7	674.5	429.9	373.0	332.8	335.0	331.7	342.8	351.8	361.8
1022.9	57.5°	766.1	610.8	400.9	342.8	310.4	317.1	312.7	318.3	323.8	336.1
969.3	60°	682.3	534.9	368.5	307.1	288.1	295.9	283.6	282.5	284.8	288.1
890.0	62.5°	569.5	455.6	328.3	275.8	263.5	266.9	243.4	225.6	225.6	228.9
779.5	65°	457.8	381.9	283.6	240.1	230.0	227.8	194.3	169.7	167.5	177.6
651.0	67.5°	376.3	317.1	239.0	199.9	193.2	195.4	170.9	146.3	144.1	155.2
530.4	70°	311.6	255.7	191.0	154.1	160.8	170.9	146.3	122.8	119.5	129.5
431.0	72.5°	247.9	199.9	146.3	113.9	132.9	145.2	119.5	97.2	94.9	103.9
332.8	75°	182.0	142.9	99.4	82.6	102.7	113.9	87.1	69.2	65.9	73.7
222.2	77.5°	112.8	80.4	62.5	49.1	70.4	75.9	45.8	40.2	39.1	44.7
135.1	80°	52.5	34.6	30.2	16.8	25.7	30.2	19.0	21.2	22.3	26.8
68.1	82.5°	14.5	5.6	1.1	0.0	0.0	8.9	4.5	8.9	11.2	16.8
5.6	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.6	10.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
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°
2244.6	0°	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6	2244.6
2034.6	2.5°	2081.5	2126.2	2197.7	2271.4	2344.0	2417.7	2489.1	2514.8
1800.1	5°	1888.3	1991.1	2132.9	2284.8	2441.1	2599.7	2744.8	2810.7
1557.8	7.5°	1672.8	1820.2	2033.5	2271.4	2520.4	2769.4	2998.3	3104.4
1317.7	10°	1442.8	1629.3	1872.7	2194.3	2551.7	2895.6	3210.5	3347.9
1106.6	12.5°	1223.9	1419.3	1688.4	2073.7	2527.1	2968.2	3346.7	3508.7
958.1	15°	1040.8	1213.9	1504.2	1930.8	2447.8	2972.7	3411.5	3589.1
875.5	17.5°	903.4	1016.2	1316.6	1772.2	2344.0	2931.3	3433.9	3623.7
830.8	20°	835.3	866.6	1073.1	1569.0	2246.8	2892.3	3456.2	3656.1
795.1	22.5°	795.1	802.9	877.7	1306.5	2130.7	2880.0	3495.3	3700.7
762.7	25°	762.7	764.9	785.0	1035.2	1953.1	2872.2	3555.6	3762.2
729.2	27.5°	730.3	730.3	741.5	834.2	1711.9	2838.7	3633.7	3835.9
695.7	30°	697.9	697.9	705.8	738.1	1429.4	2772.8	3727.5	3931.9
662.2	32.5°	664.4	664.4	671.1	694.6	1141.3	2690.1	3813.5	4029.1
627.6	35°	630.9	628.7	637.6	662.2	907.9	2585.2	3899.5	4134.0
593.0	37.5°	595.2	594.1	603.0	630.9	783.9	2463.4	3964.3	4277.0
558.3	40°	557.2	557.2	567.3	597.4	748.2	2310.5	4067.0	4482.4
522.6	42.5°	522.6	520.4	531.5	568.4	721.4	2164.2	4251.3	4781.7
490.2	45°	489.1	484.6	494.7	540.5	674.5	2112.8	4595.2	5223.9
459.0	47.5°	457.8	446.7	455.6	507.0	632.1	2304.9	5158.0	5837.0
431.0	50°	432.2	410.9	418.8	473.5	599.7	2721.4	5888.4	6651.1
405.4	52.5°	405.4	377.4	381.9	432.2	570.6	3117.8	6680.1	7725.3
379.7	55°	377.4	346.2	348.4	390.8	529.3	3177.0	7452.9	9190.4
350.6	57.5°	346.2	317.1	317.1	352.9	499.2	2753.8	8046.9	11008.4
314.9	60°	311.6	292.6	287.0	322.7	526.0	1943.1	8116.2	12181.0
269.1	62.5°	273.6	263.5	255.7	293.7	546.1	1151.3	7558.9	11897.3
212.2	65°	230.0	227.8	222.2	322.7	460.1	680.1	6489.1	11027.4
180.9	67.5°	193.2	189.8	189.8	338.4	349.5	427.7	5069.8	9830.3
154.1	70°	166.4	154.1	154.1	255.7	212.2	295.9	3539.9	8538.3
127.3	72.5°	139.6	126.2	117.3	204.4	158.6	216.6	2212.2	7312.1
97.2	75°	111.7	101.6	90.5	135.1	118.4	164.2	1285.3	6058.1
61.4	77.5°	80.4	75.9	63.7	99.4	86.0	118.4	764.9	4674.5
38.0	80°	41.3	42.4	40.2	57.0	58.1	80.4	435.5	3199.3
24.6	82.5°	24.6	19.0	21.2	27.9	33.5	45.8	164.2	1880.5
17.9	85°	15.6	10.1	10.1	13.4	16.8	17.9	50.3	762.7
8.9	87.5°	7.8	3.4	4.5	6.7	5.6	4.5	2.2	192.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)