

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: P953008

Luminaire Tested: **GALN-SB6C-940-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953008
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-940-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 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: 25116 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

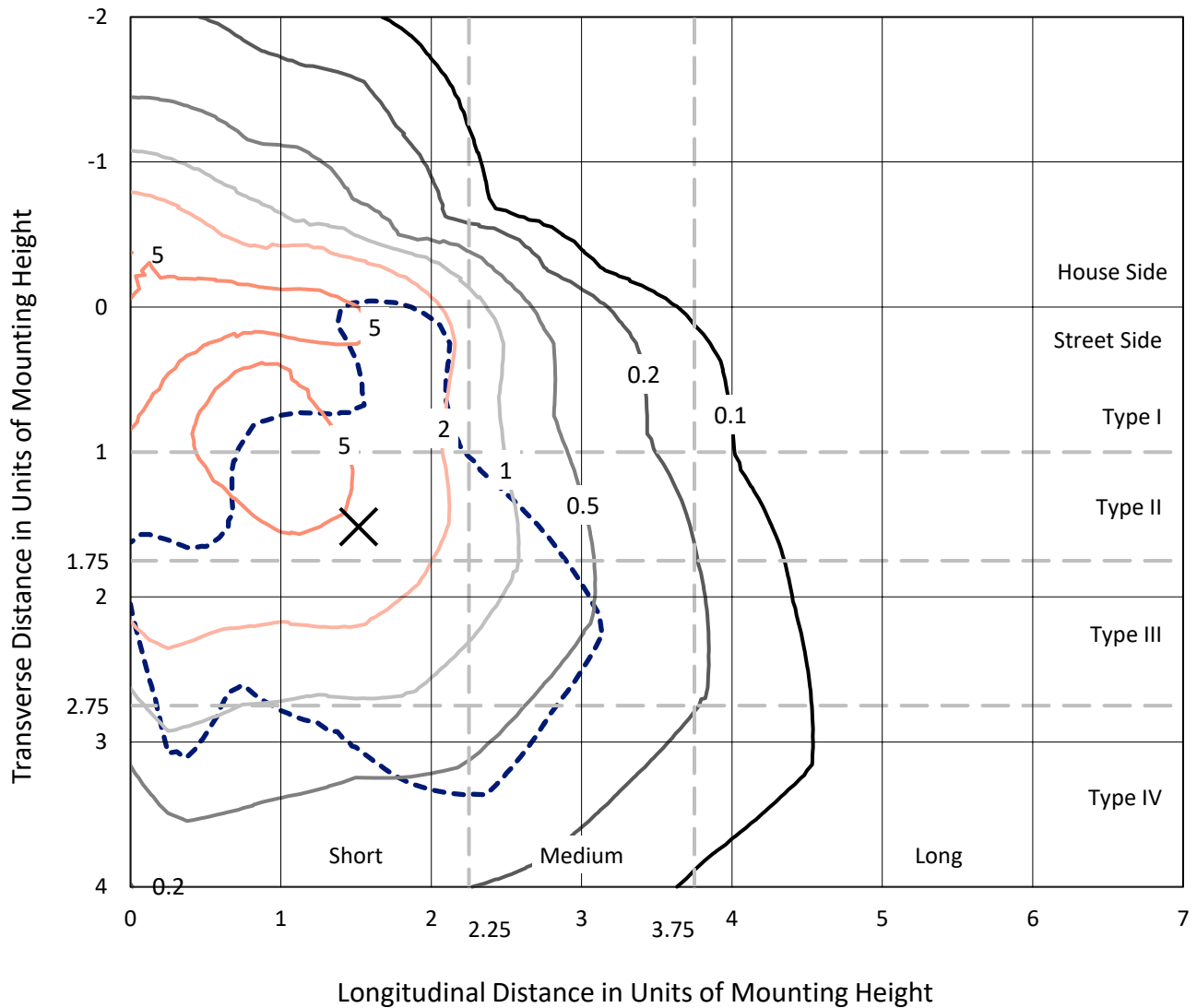
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

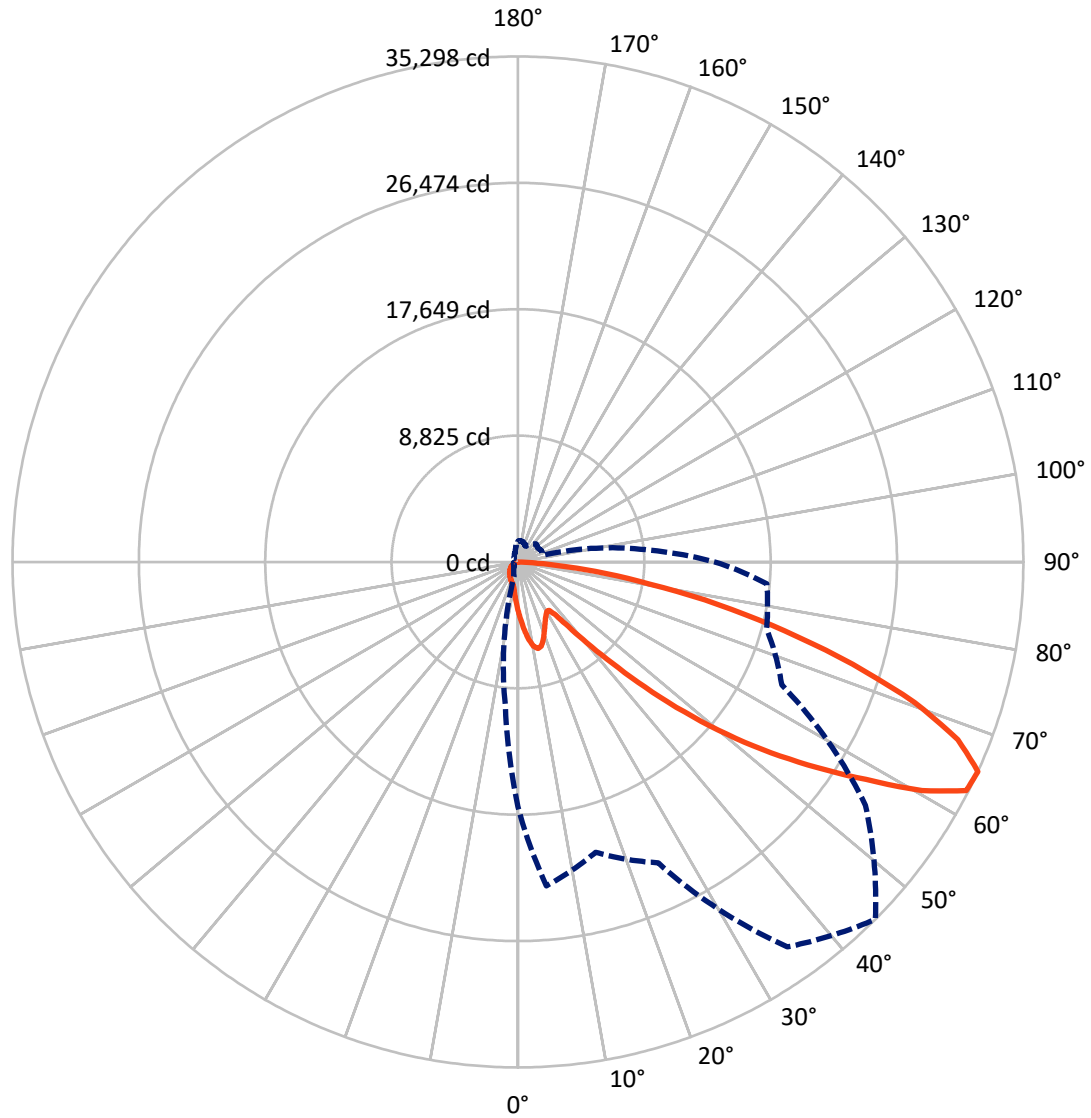
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	4992.3	0.0	4992.3
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	20123.7	0.0	20123.7
	% Fixture	80.1	0.0	80.1
Total	Lumens	25116.0	0.0	25116.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.4	1.4
10°-20°	1026.4	4.1
20°-30°	1512.1	6.0
30°-40°	1942.6	7.7
40°-50°	3141.8	12.5
50°-60°	5509.5	21.9
60°-70°	6893.9	27.4
70°-80°	4028.5	16.0
80°-90°	718.7	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°	25116.0	100.0
0°-180°	25116.0	100.0



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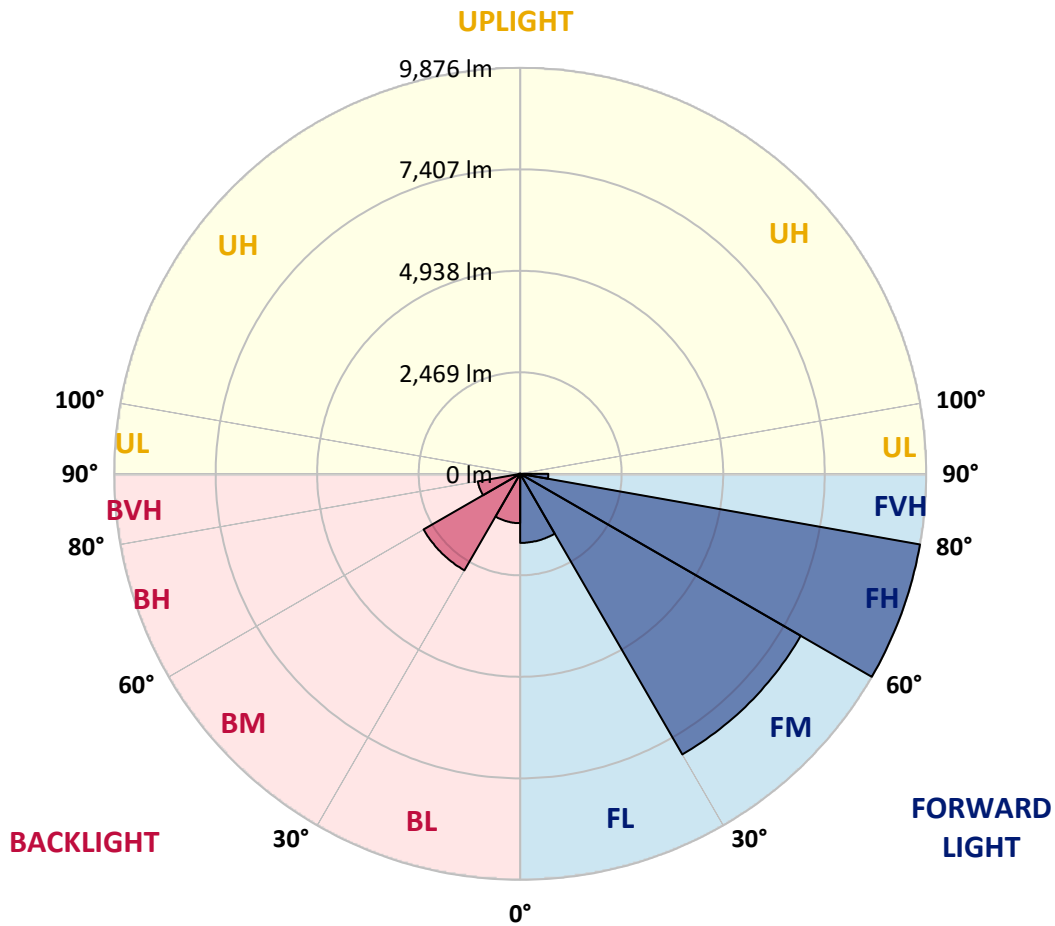
CATALOG NUMBER: GALN-SB6C-940-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1680.6	6.7			
FM (30°-60°)	7881.7	31.4			
FH (60°-80°)	9876.4	39.3			G4/12000
FVH (80°-90°)	685.1	2.7			G4/750
BL (0°-30°)	1200.4	4.8	B3/2500		
BM (30°-60°)	2712.3	10.8	B3/5000		
BH (60°-80°)	1046.0	4.2	B3/2500		G3/2500
BVH (80°-90°)	33.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8
2.5°	3896.5	3925.9	3991.6	4026.2	4079.9	4083.3	4083.3	4036.6	4034.9	3939.7
5°	4355.0	4424.2	4579.9	4740.8	4775.4	4784.1	4766.8	4673.4	4604.1	4419.0
7.5°	4810.0	4943.3	5180.3	5394.9	5464.1	5464.1	5422.5	5270.3	5128.4	4860.2
10°	5187.2	5355.1	5676.9	5917.4	5997.0	5979.7	5894.9	5702.8	5507.3	5182.0
12.5°	5436.4	5625.0	5977.9	6171.7	6253.1	6208.1	6111.2	5924.3	5718.4	5375.8
15°	5561.0	5758.2	6064.5	6166.5	6144.0	6097.3	6085.2	5995.2	5839.5	5519.4
17.5°	5614.6	5798.0	6010.8	5946.8	5756.5	5720.1	5841.3	5955.5	5917.4	5644.0
20°	5664.8	5818.8	5882.8	5599.0	5266.8	5233.9	5465.8	5791.1	5957.2	5759.9
22.5°	5734.0	5829.1	5697.6	5232.2	4874.1	4797.9	5054.0	5543.7	5969.3	5907.0
25°	5829.1	5855.1	5493.5	4884.4	4524.6	4448.4	4687.2	5268.6	5948.5	6066.2
27.5°	5943.3	5889.7	5298.0	4593.8	4246.0	4175.0	4413.8	5003.8	5889.7	6225.4
30°	6092.1	5934.7	5104.2	4368.8	4047.0	3995.1	4225.2	4775.4	5817.0	6427.8
32.5°	6242.7	5953.7	4924.2	4237.3	4002.0	4021.1	4209.6	4652.6	5737.4	6621.6
35°	6405.3	6014.3	4836.0	4367.1	4377.5	4543.6	4621.4	4766.8	5725.3	6884.6
37.5°	6626.8	6149.2	4941.5	5012.5	5372.4	5716.7	5652.7	5325.6	5865.5	7277.3
40°	6945.1	6386.3	5401.8	6111.2	6850.0	7408.8	7164.9	6341.3	6294.6	7843.1
42.5°	7408.8	6763.5	6218.4	7453.8	8706.5	9627.0	8973.0	7651.1	7045.5	8651.2
45°	8094.0	7374.2	7206.4	8870.9	10995.6	12445.5	11085.6	9047.4	8097.5	9874.4
47.5°	9043.9	8272.2	8132.1	10364.1	13777.8	15653.4	13428.3	10341.6	9294.8	11542.4
50°	10305.3	9481.7	9009.3	11997.4	16828.2	18923.5	15769.3	11590.8	10666.9	13580.6
52.5°	11969.7	11168.6	10031.9	13552.9	19965.1	22124.5	18120.7	12687.8	12369.4	15945.8
55°	14239.8	13706.9	11429.9	15037.4	23100.3	25344.4	20380.4	13722.5	14618.7	18755.7
57.5°	17056.6	17437.3	13445.6	16759.0	25918.8	28663.0	22650.4	15168.9	17539.3	21897.8
60°	18873.3	22397.8	17305.8	19304.2	29121.5	32415.9	25761.4	17920.0	20608.8	23024.2
62.5°	18433.9	23975.8	21928.9	22553.5	32066.4	35144.4	28810.1	20683.2	21186.7	21364.9
65°	17086.0	22702.3	20986.0	23185.1	32812.1	35298.4	29625.0	20326.7	17971.9	17442.4
67.5°	15231.2	21191.9	18745.3	21510.2	31464.2	33146.0	28107.6	17980.6	13888.6	13089.2
70°	13229.3	19520.5	17274.6	19631.2	28894.8	29394.9	25527.8	15814.3	10215.3	8839.7
72.5°	11329.5	17779.8	16267.6	17705.4	25467.3	24432.6	22169.4	13898.9	7438.3	6375.9
75°	9386.5	15212.2	14833.3	15418.1	20960.0	19245.3	18420.0	11507.8	5837.8	4612.8
77.5°	7242.7	11886.7	12758.7	12346.9	14753.7	14295.2	14277.9	8647.7	4265.0	3078.1
80°	4957.1	8284.3	9967.9	8710.0	9575.1	9341.5	10753.4	5801.5	3093.7	1853.1
82.5°	2913.7	5043.6	6938.2	4216.6	5294.5	5434.7	6403.6	2822.0	1820.2	427.4
85°	1181.7	1991.5	2713.0	1650.6	2553.8	2154.1	2431.0	792.4	507.0	10.4
87.5°	297.6	636.7	446.4	185.1	295.9	271.6	214.5	96.9	20.8	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°
3477.8	0°	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8
3929.4	2.5°	3861.9	3822.1	3723.5	3624.8	3545.2	3438.0	3367.0	3282.2	3200.9	3128.3
4379.2	5°	4270.2	4138.7	3958.8	3794.4	3626.6	3463.9	3303.0	3133.4	2977.7	2882.6
4759.9	7.5°	4602.4	4370.6	4131.8	3922.4	3720.0	3529.7	3316.9	3111.0	2867.0	2737.2
5050.5	10°	4849.8	4545.3	4232.1	3991.6	3787.5	3602.3	3422.4	3214.8	2920.6	2758.0
5227.0	12.5°	5012.5	4650.9	4284.0	4008.9	3780.6	3636.9	3557.4	3476.0	3183.6	2993.3
5356.8	15°	5124.9	4725.3	4320.4	3969.1	3688.9	3583.3	3662.9	3756.3	3569.5	3349.7
5491.8	17.5°	5247.8	4822.2	4336.0	3861.9	3510.6	3465.7	3671.5	3887.8	3879.2	3661.2
5619.8	20°	5377.6	4906.9	4325.6	3688.9	3294.4	3334.2	3597.1	3848.0	3953.6	3835.9
5766.9	22.5°	5510.8	4988.3	4285.8	3463.9	3091.9	3216.5	3479.5	3699.2	3823.8	3787.5
5946.8	25°	5678.6	5102.4	4227.0	3221.7	2924.1	3097.1	3342.8	3521.0	3607.5	3605.8
6140.6	27.5°	5879.3	5254.7	4195.8	3026.2	2804.7	2962.2	3180.2	3339.3	3399.9	3399.9
6381.1	30°	6112.9	5434.7	4161.2	2898.1	2735.5	2822.0	2991.6	3147.3	3207.8	3207.8
6644.1	32.5°	6372.4	5607.7	4078.2	2820.3	2683.6	2685.3	2792.6	2934.5	3007.1	3017.5
6972.8	35°	6683.9	5792.8	3896.5	2758.0	2623.0	2552.1	2604.0	2721.7	2808.2	2830.7
7441.7	37.5°	7092.2	6019.5	3636.9	2666.3	2529.6	2411.9	2424.1	2514.0	2609.2	2643.8
8088.8	40°	7640.7	6285.9	3367.0	2534.8	2398.1	2258.0	2252.8	2318.5	2411.9	2450.0
8964.3	42.5°	8365.7	6606.0	3109.2	2408.5	2238.9	2095.3	2086.7	2138.6	2219.9	2259.7
10120.1	45°	9293.1	6998.8	2887.8	2309.9	2083.2	1941.3	1937.9	1981.1	2052.1	2093.6
11599.5	47.5°	10582.1	7391.5	2737.2	2258.0	1960.4	1815.0	1821.9	1860.0	1924.0	1953.4
13514.8	50°	12262.1	7510.9	2661.1	2258.0	1894.6	1702.5	1737.2	1768.3	1816.7	1834.0
15810.8	52.5°	13874.7	7116.4	2591.9	2271.8	1903.3	1607.4	1681.8	1704.3	1745.8	1752.7
17939.0	55°	14665.4	6118.1	2496.7	2275.3	1956.9	1526.1	1636.8	1678.3	1693.9	1692.2
19174.4	57.5°	14393.8	4946.7	2335.8	2261.4	1993.2	1474.2	1581.4	1661.0	1671.4	1655.8
18939.1	60°	13440.4	3642.1	2213.0	2159.3	1979.4	1458.6	1496.6	1623.0	1638.5	1617.8
17125.8	62.5°	11841.7	2527.9	2117.8	1934.4	1918.8	1453.4	1363.4	1539.9	1578.0	1548.6
13765.7	65°	9322.5	1785.6	1823.7	1695.6	1787.3	1425.7	1225.0	1439.6	1491.5	1446.5
9986.9	67.5°	6308.4	1289.0	1477.6	1536.4	1574.5	1363.4	1124.6	1325.4	1394.6	1335.7
6408.8	70°	3406.8	904.9	975.8	1294.2	1337.5	1256.1	1034.7	1209.4	1289.0	1225.0
4555.7	72.5°	2012.3	650.6	683.4	1039.9	1114.3	1105.6	934.3	1074.5	1171.4	1095.2
3143.8	75°	1109.1	439.5	487.9	754.4	904.9	853.0	802.8	910.1	1008.7	934.3
1970.7	77.5°	496.6	263.0	339.1	494.8	711.1	584.8	621.2	709.4	801.1	723.2
1097.0	80°	192.1	147.1	224.9	269.9	517.3	323.6	399.7	522.5	588.3	526.0
238.8	82.5°	24.2	65.7	96.9	105.5	301.1	171.3	231.9	328.7	323.6	280.3
0.0	85°	0.0	12.1	13.8	6.9	129.8	62.3	76.1	107.3	100.4	76.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	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°
3477.8	0°	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8
3114.4	2.5°	3029.6	2967.3	2936.2	2910.2	2934.5	2948.3	2948.3	3007.1	3041.7	3055.6
2822.0	5°	2669.7	2553.8	2476.0	2429.2	2444.8	2462.1	2481.1	2555.5	2605.7	2638.6
2619.6	7.5°	2386.0	2209.5	2100.5	2043.4	2052.1	2064.2	2079.7	2152.4	2202.6	2245.8
2581.5	10°	2245.8	1996.7	1853.1	1783.9	1771.8	1764.8	1759.6	1802.9	1841.0	1875.6
2737.2	12.5°	2252.8	1905.0	1730.2	1645.4	1609.1	1567.6	1534.7	1541.6	1565.9	1609.1
3015.8	15°	2341.0	1875.6	1666.2	1560.7	1500.1	1451.7	1411.9	1403.2	1411.9	1418.8
3334.2	17.5°	2460.4	1872.1	1610.8	1479.3	1417.1	1377.3	1340.9	1328.8	1330.5	1339.2
3545.2	20°	2555.5	1861.7	1548.6	1401.5	1346.1	1311.5	1275.2	1263.1	1266.5	1268.3
3566.0	22.5°	2605.7	1846.2	1479.3	1323.6	1276.9	1242.3	1209.4	1207.7	1207.7	1218.1
3453.5	25°	2605.7	1813.3	1417.1	1249.2	1207.7	1176.6	1136.8	1143.7	1147.1	1161.0
3278.8	27.5°	2543.4	1751.0	1366.9	1185.2	1142.0	1110.8	1074.5	1083.1	1088.3	1103.9
3105.8	30°	2463.8	1676.6	1309.8	1124.6	1074.5	1052.0	1020.8	1024.3	1031.2	1048.5
2944.9	32.5°	2379.1	1588.4	1263.1	1064.1	1013.9	996.6	962.0	967.2	974.1	993.2
2785.7	35°	2285.6	1484.5	1207.7	1008.7	958.5	944.7	904.9	908.4	918.8	939.5
2614.4	37.5°	2187.0	1399.8	1152.3	955.1	903.2	889.3	847.8	851.3	863.4	887.6
2434.4	40°	2090.1	1316.7	1093.5	898.0	846.1	834.0	789.0	792.4	806.3	832.2
2252.8	42.5°	1984.6	1252.7	1017.4	839.2	783.8	771.7	730.2	735.3	750.9	776.9
2084.9	45°	1858.3	1211.2	932.6	783.8	721.5	709.4	671.3	681.7	699.0	725.0
1941.3	47.5°	1728.5	1193.9	861.7	725.0	657.5	647.1	616.0	633.3	652.3	673.1
1818.5	50°	1603.9	1171.4	789.0	669.6	602.1	591.7	571.0	593.5	612.5	631.5
1730.2	52.5°	1462.0	1122.9	723.2	621.2	555.4	551.9	541.6	562.3	579.6	596.9
1654.1	55°	1315.0	1045.1	666.1	577.9	515.6	519.1	513.9	531.2	545.0	560.6
1584.9	57.5°	1186.9	946.4	621.2	531.2	481.0	491.4	484.5	493.1	501.8	520.8
1501.8	60°	1057.2	828.8	571.0	475.8	446.4	458.5	439.5	437.7	441.2	446.4
1379.0	62.5°	882.4	705.9	508.7	427.4	408.3	413.5	377.2	349.5	349.5	354.7
1207.7	65°	709.4	591.7	439.5	372.0	356.4	353.0	301.1	263.0	259.5	275.1
1008.7	67.5°	583.1	491.4	370.3	309.7	299.3	302.8	264.7	226.7	223.2	240.5
821.9	70°	482.7	396.2	295.9	238.8	249.2	264.7	226.7	190.3	185.1	200.7
667.9	72.5°	384.1	309.7	226.7	176.5	205.9	224.9	185.1	150.5	147.1	160.9
515.6	75°	282.0	221.5	154.0	128.0	159.2	176.5	135.0	107.3	102.1	114.2
344.3	77.5°	174.8	124.6	96.9	76.1	109.0	117.7	70.9	62.3	60.6	69.2
209.4	80°	81.3	53.6	46.7	26.0	39.8	46.7	29.4	32.9	34.6	41.5
105.5	82.5°	22.5	8.7	1.7	0.0	0.0	13.8	6.9	13.8	17.3	26.0
8.7	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	8.7	15.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
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°
3477.8	0°	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8	3477.8
3152.5	2.5°	3225.1	3294.4	3405.1	3519.3	3631.8	3745.9	3856.7	3896.5
2789.1	5°	2925.8	3085.0	3304.7	3540.1	3782.3	4028.0	4252.9	4355.0
2413.7	7.5°	2591.9	2820.3	3150.7	3519.3	3905.1	4291.0	4645.7	4810.0
2041.7	10°	2235.5	2524.4	2901.6	3399.9	3953.6	4486.5	4974.4	5187.2
1714.7	12.5°	1896.3	2199.1	2616.1	3213.0	3915.5	4599.0	5185.5	5436.4
1484.5	15°	1612.6	1880.8	2330.6	2991.6	3792.7	4605.9	5285.9	5561.0
1356.5	17.5°	1399.8	1574.5	2039.9	2745.9	3631.8	4541.9	5320.5	5614.6
1287.3	20°	1294.2	1342.7	1662.8	2431.0	3481.2	4481.3	5355.1	5664.8
1231.9	22.5°	1231.9	1244.0	1360.0	2024.4	3301.3	4462.3	5415.6	5734.0
1181.7	25°	1181.7	1185.2	1216.4	1603.9	3026.2	4450.2	5509.1	5829.1
1129.8	27.5°	1131.6	1131.6	1148.9	1292.5	2652.4	4398.2	5630.2	5943.3
1077.9	30°	1081.4	1081.4	1093.5	1143.7	2214.7	4296.2	5775.5	6092.1
1026.0	32.5°	1029.5	1029.5	1039.9	1076.2	1768.3	4168.1	5908.7	6242.7
972.4	35°	977.6	974.1	988.0	1026.0	1406.7	4005.5	6042.0	6405.3
918.8	37.5°	922.2	920.5	934.3	977.6	1214.6	3816.9	6142.3	6626.8
865.1	40°	863.4	863.4	879.0	925.7	1159.3	3579.8	6301.5	6945.1
809.7	42.5°	809.7	806.3	823.6	880.7	1117.7	3353.2	6587.0	7408.8
759.6	45°	757.8	750.9	766.5	837.4	1045.1	3273.6	7119.9	8094.0
711.1	47.5°	709.4	692.1	705.9	785.5	979.3	3571.2	7991.9	9043.9
667.9	50°	669.6	636.7	648.8	733.6	929.1	4216.6	9123.5	10305.3
628.1	52.5°	628.1	584.8	591.7	669.6	884.1	4830.8	10350.2	11969.7
588.3	55°	584.8	536.4	539.8	605.6	820.1	4922.5	11547.6	14239.8
543.3	57.5°	536.4	491.4	491.4	546.8	773.4	4266.7	12468.0	17056.6
487.9	60°	482.7	453.3	444.7	500.0	814.9	3010.6	12575.3	18873.3
417.0	62.5°	423.9	408.3	396.2	455.1	846.1	1783.9	11711.9	18433.9
328.7	65°	356.4	353.0	344.3	500.0	712.9	1053.7	10054.4	17086.0
280.3	67.5°	299.3	294.1	294.1	524.3	541.6	662.7	7855.2	15231.2
238.8	70°	257.8	238.8	238.8	396.2	328.7	458.5	5484.8	13229.3
197.2	72.5°	216.3	195.5	181.7	316.6	245.7	335.7	3427.6	11329.5
150.5	75°	173.0	157.5	140.1	209.4	183.4	254.3	1991.5	9386.5
95.2	77.5°	124.6	117.7	98.6	154.0	133.2	183.4	1185.2	7242.7
58.8	80°	64.0	65.7	62.3	88.2	90.0	124.6	674.8	4957.1
38.1	82.5°	38.1	29.4	32.9	43.3	51.9	70.9	254.3	2913.7
27.7	85°	24.2	15.6	15.6	20.8	26.0	27.7	77.9	1181.7
13.8	87.5°	12.1	5.2	6.9	10.4	8.7	6.9	3.5	297.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)