

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: P953365

Luminaire Tested: **GALN-SB6D-940-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953365
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-SB6D-940-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 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: 34127 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

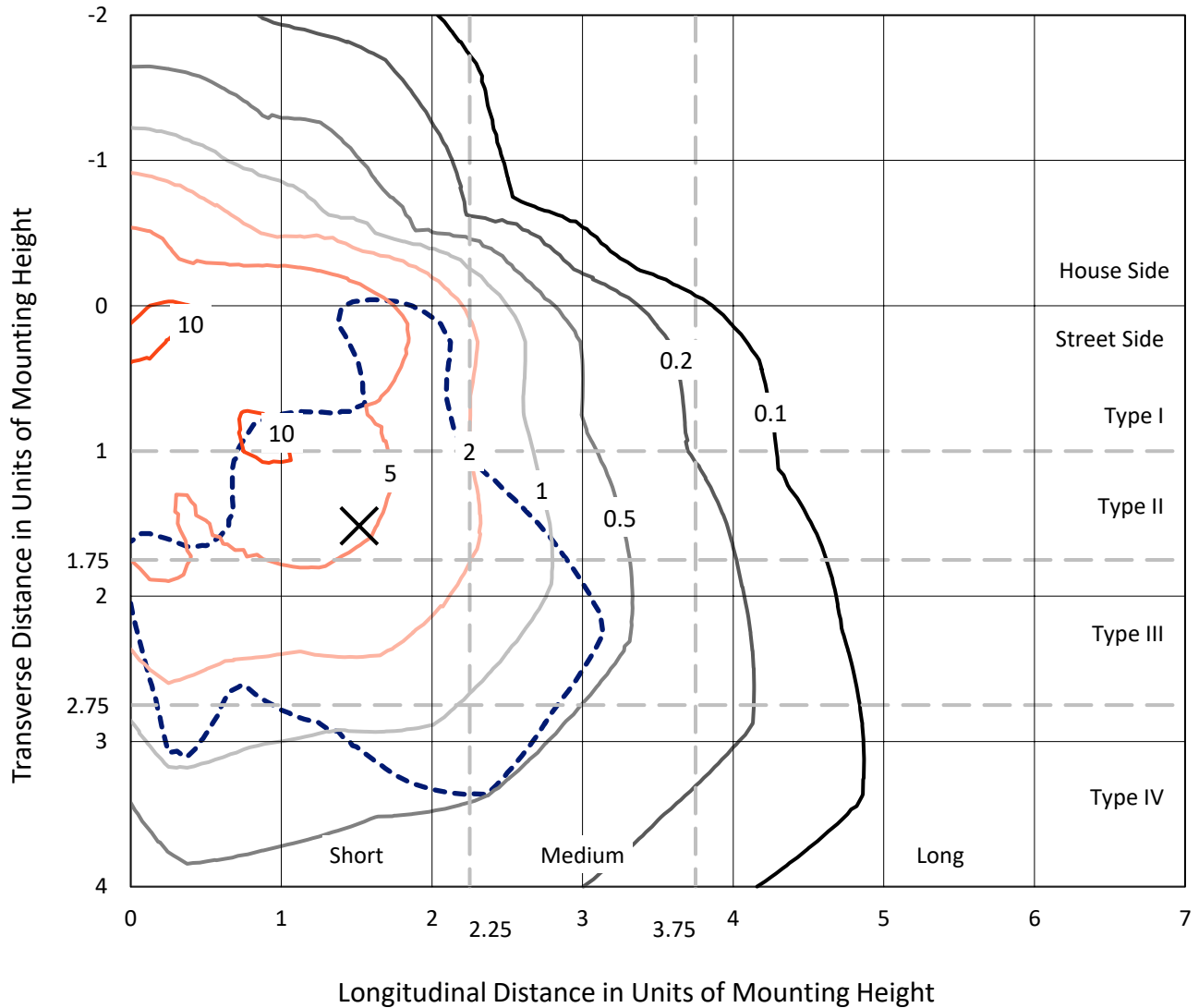
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

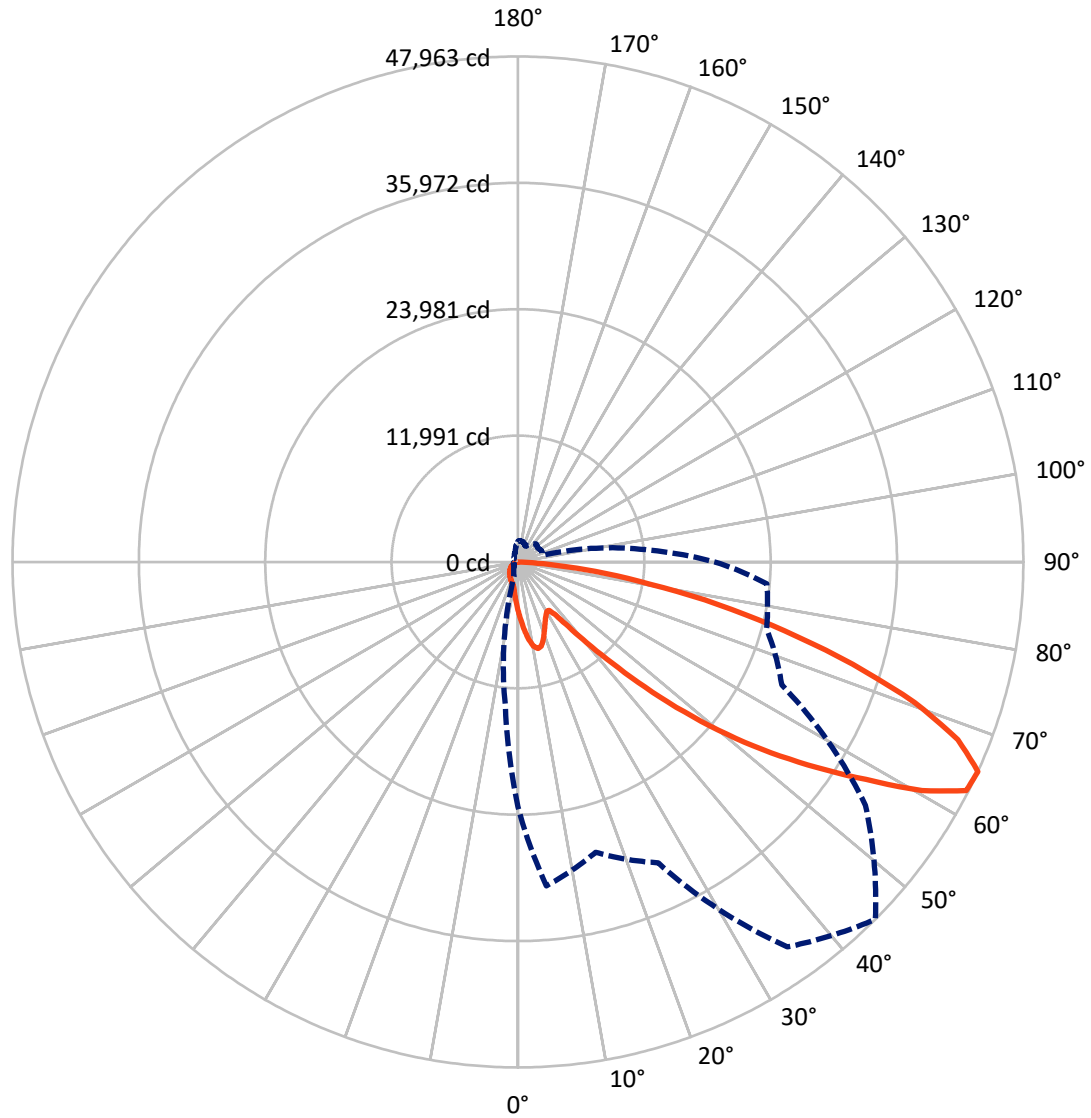
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 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	6783.4	0.0	6783.4
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	27343.6	0.0	27343.6
	% Fixture	80.1	0.0	80.1
Total	Lumens	34127.0	0.0	34127.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.2	1.4
10°-20°	1394.7	4.1
20°-30°	2054.6	6.0
30°-40°	2639.6	7.7
40°-50°	4269.0	12.5
50°-60°	7486.2	21.9
60°-70°	9367.3	27.4
70°-80°	5473.8	16.0
80°-90°	976.6	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°	34127.0	100.0
0°-180°	34127.0	100.0

Coefficient of Utilization



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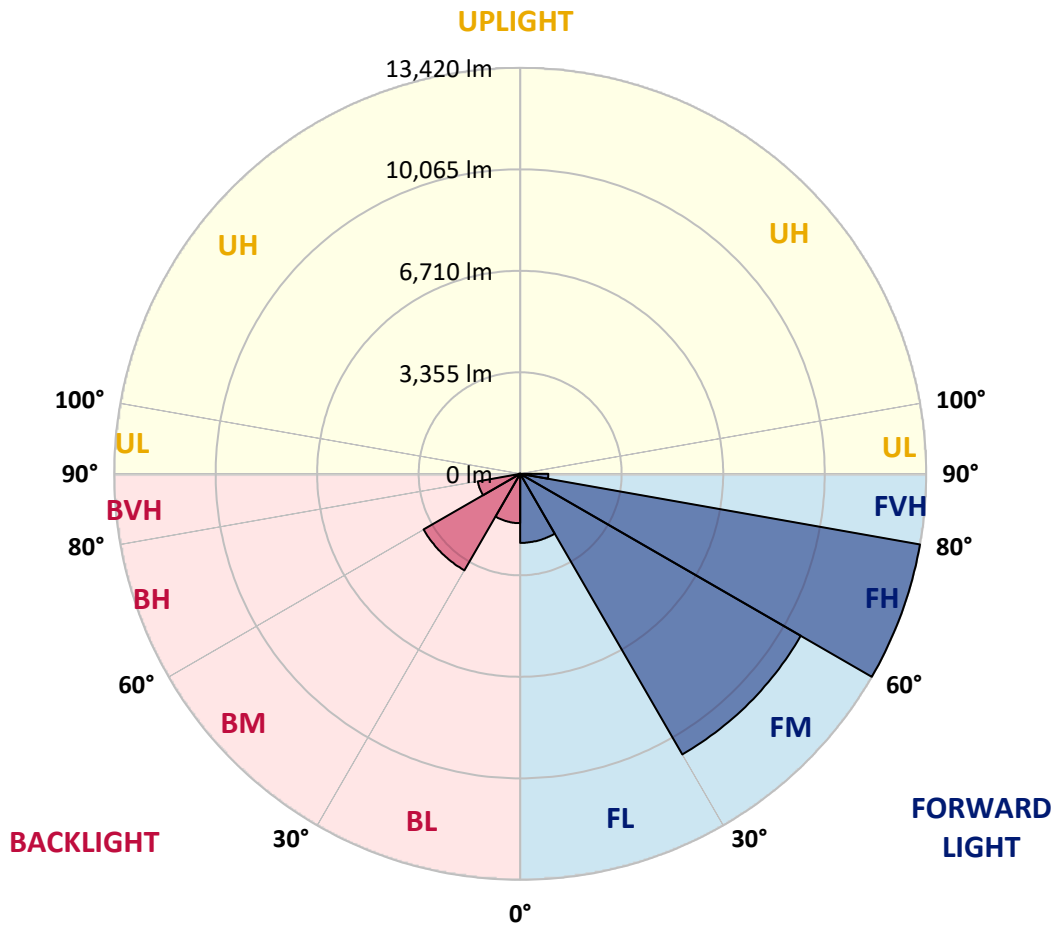
CATALOG NUMBER: GALN-SB6D-940-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2283.5	6.7			
FM (30°-60°)	10709.5	31.4			
FH (60°-80°)	13419.8	39.3			G5
FVH (80°-90°)	930.8	2.7			G5
BL (0°-30°)	1631.0	4.8	B3/2500		
BM (30°-60°)	3685.4	10.8	B3/5000		
BH (60°-80°)	1421.2	4.2	B3/2500		G3/2500
BVH (80°-90°)	45.8	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°	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5
2.5°	5294.4	5334.4	5423.7	5470.8	5543.6	5548.3	5548.3	5484.9	5482.5	5353.2
5°	5917.5	6011.5	6223.1	6441.7	6488.7	6500.5	6477.0	6350.0	6256.0	6004.4
7.5°	6535.8	6716.8	7038.9	7330.4	7424.4	7424.4	7368.0	7161.1	6968.3	6603.9
10°	7048.3	7276.3	7713.6	8040.4	8148.5	8125.0	8009.8	7748.9	7483.2	7041.2
12.5°	7386.8	7643.1	8122.7	8386.0	8496.5	8435.4	8303.7	8049.8	7770.0	7304.5
15°	7556.1	7824.1	8240.2	8378.9	8348.4	8284.9	8268.4	8146.2	7934.6	7499.7
17.5°	7629.0	7878.2	8167.4	8080.4	7821.8	7772.4	7937.0	8092.1	8040.4	7668.9
20°	7697.2	7906.4	7993.4	7607.8	7156.4	7111.8	7426.8	7868.8	8094.5	7826.5
22.5°	7791.2	7920.5	7741.8	7109.4	6622.7	6519.3	6867.3	7532.6	8110.9	8026.3
25°	7920.5	7955.8	7464.4	6636.9	6147.8	6044.4	6368.8	7158.8	8082.7	8242.6
27.5°	8075.7	8002.8	7198.7	6241.9	5769.3	5672.9	5997.4	6799.1	8002.8	8458.9
30°	8277.8	8063.9	6935.4	5936.3	5499.0	5428.4	5741.1	6488.7	7904.0	8733.9
32.5°	8482.4	8089.8	6690.9	5757.6	5437.8	5463.7	5720.0	6321.8	7795.9	8997.3
35°	8703.4	8172.1	6571.0	5933.9	5948.0	6173.7	6279.5	6477.0	7779.4	9354.6
37.5°	9004.3	8355.4	6714.4	6810.8	7299.8	7767.7	7680.7	7236.4	7969.9	9888.3
40°	9436.9	8677.5	7339.8	8303.7	9307.6	10067.0	9735.5	8616.4	8552.9	10657.1
42.5°	10067.0	9190.0	8449.5	10128.1	11830.2	13080.9	12192.3	10396.1	9573.2	11755.0
45°	10997.9	10019.9	9791.9	12053.5	14940.6	16910.7	15062.8	12293.3	11002.7	13417.1
47.5°	12288.6	11240.1	11049.7	14082.5	18721.0	21269.4	18246.1	14051.9	12629.5	15683.5
50°	14002.5	12883.4	12241.6	16301.8	22865.8	25712.8	21427.0	15749.3	14493.9	18453.0
52.5°	16264.2	15175.7	13631.1	18415.3	27128.1	30062.2	24622.0	17239.8	16807.3	21666.8
55°	19348.7	18624.6	15530.7	20432.5	31388.1	34437.4	27692.4	18645.7	19863.5	25484.8
57.5°	23176.1	23693.3	18269.6	22771.7	35217.9	38946.6	30776.9	20611.2	23832.0	29754.2
60°	25644.6	30433.6	23514.6	26230.0	39569.6	44045.9	35003.9	24349.2	28002.7	31284.7
62.5°	25047.5	32577.7	29796.5	30645.2	43571.0	47753.4	39146.4	28103.8	28787.9	29030.1
65°	23216.1	30847.4	28515.2	31503.3	44584.2	47962.6	40253.7	27619.5	24419.8	23700.4
67.5°	20695.8	28795.0	25470.7	29227.6	42752.8	45038.0	38191.9	24431.5	18871.4	17785.3
70°	17975.7	26523.9	23472.3	26674.4	39261.6	39941.0	34686.6	21488.1	13880.3	12011.2
72.5°	15394.3	24158.8	22104.0	24057.7	34604.3	33198.4	30123.3	18885.5	10106.9	8663.4
75°	12754.1	20669.9	20155.1	20949.7	28479.9	26150.1	25028.7	15636.5	7932.3	6267.7
77.5°	9841.3	16151.3	17336.2	16776.7	20046.9	19423.9	19400.4	11750.3	5795.2	4182.4
80°	6735.6	11256.6	13544.1	11834.9	13010.4	12693.0	14611.4	7882.9	4203.6	2517.9
82.5°	3959.1	6853.1	9427.5	5729.4	7194.0	7384.5	8701.0	3834.5	2473.2	580.7
85°	1605.7	2706.0	3686.4	2242.8	3470.1	2927.0	3303.1	1076.8	688.8	14.1
87.5°	404.4	865.2	606.6	251.6	402.0	369.1	291.5	131.7	28.2	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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4725.5	0°	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5
5339.1	2.5°	5247.4	5193.3	5059.3	4925.3	4817.2	4671.4	4575.0	4459.8	4349.3	4250.6
5950.4	5°	5802.3	5623.6	5379.1	5155.7	4927.7	4706.7	4488.0	4257.6	4046.1	3916.8
6467.6	7.5°	6253.6	5938.6	5614.2	5329.7	5054.6	4796.0	4506.9	4227.1	3895.6	3719.3
6862.6	10°	6589.8	6176.1	5750.5	5423.7	5146.3	4894.8	4650.3	4368.1	3968.5	3747.5
7102.4	12.5°	6810.8	6319.5	5821.1	5447.3	5136.9	4941.8	4833.6	4723.1	4325.8	4067.2
7278.7	15°	6963.6	6420.6	5870.4	5393.2	5012.3	4868.9	4977.1	5104.0	4850.1	4551.5
7462.1	17.5°	7130.6	6552.2	5891.6	5247.4	4770.2	4709.0	4988.8	5282.7	5270.9	4974.7
7636.0	20°	7306.9	6667.4	5877.5	5012.3	4476.3	4530.4	4887.7	5228.6	5372.0	5212.2
7835.9	22.5°	7487.9	6777.9	5823.4	4706.7	4201.2	4370.5	4727.8	5026.4	5195.7	5146.3
8080.4	25°	7716.0	6933.1	5743.5	4377.6	3973.2	4208.3	4542.1	4784.3	4901.8	4899.5
8343.7	27.5°	7988.7	7140.0	5701.2	4111.9	3811.0	4024.9	4321.1	4537.4	4619.7	4619.7
8670.5	30°	8306.1	7384.5	5654.1	3937.9	3716.9	3834.5	4064.9	4276.5	4358.7	4358.7
9027.8	32.5°	8658.7	7619.6	5541.3	3832.1	3646.4	3648.7	3794.5	3987.3	4086.0	4100.1
9474.5	35°	9081.9	7871.1	5294.4	3747.5	3564.1	3467.7	3538.2	3698.1	3815.7	3846.2
10111.6	37.5°	9636.7	8179.1	4941.8	3622.9	3437.2	3277.3	3293.7	3416.0	3545.3	3592.3
10990.9	40°	10382.0	8541.2	4575.0	3444.2	3258.5	3068.0	3061.0	3150.3	3277.3	3329.0
12180.5	42.5°	11367.1	8976.1	4224.7	3272.6	3042.2	2847.1	2835.3	2905.8	3016.3	3070.4
13751.0	45°	12627.2	9509.8	3923.8	3138.6	2830.6	2637.8	2633.1	2691.9	2788.3	2844.7
15761.1	47.5°	14378.7	10043.4	3719.3	3068.0	2663.7	2466.2	2475.6	2527.3	2614.3	2654.3
18363.6	50°	16661.5	10205.7	3615.8	3068.0	2574.3	2313.4	2360.4	2402.7	2468.5	2492.1
21483.4	52.5°	18852.6	9669.6	3521.8	3086.9	2586.1	2184.1	2285.2	2315.7	2372.2	2381.6
24375.1	55°	19927.0	8313.1	3392.5	3091.6	2659.0	2073.6	2224.0	2280.5	2301.6	2299.3
26053.7	57.5°	19557.9	6721.5	3173.8	3072.7	2708.3	2003.0	2148.8	2257.0	2271.1	2249.9
25734.0	60°	18262.5	4948.8	3006.9	2934.0	2689.5	1981.9	2033.6	2205.2	2226.4	2198.2
23270.1	62.5°	16090.2	3434.8	2877.6	2628.4	2607.3	1974.8	1852.6	2092.4	2144.1	2104.1
18704.5	65°	12667.2	2426.2	2477.9	2304.0	2428.6	1937.2	1664.5	1956.0	2026.6	1965.4
13569.9	67.5°	8571.7	1751.5	2007.7	2087.7	2139.4	1852.6	1528.1	1800.9	1894.9	1815.0
8708.1	70°	4629.1	1229.6	1326.0	1758.5	1817.3	1706.8	1405.9	1643.3	1751.5	1664.5
6190.2	72.5°	2734.2	884.0	928.6	1412.9	1514.0	1502.3	1269.5	1460.0	1591.6	1488.2
4271.8	75°	1507.0	597.2	663.0	1025.0	1229.6	1159.0	1090.9	1236.6	1370.6	1269.5
2677.8	77.5°	674.7	357.4	460.8	672.4	966.3	794.6	844.0	963.9	1088.5	982.7
1490.5	80°	261.0	199.8	305.6	366.8	702.9	439.6	543.1	710.0	799.3	714.7
324.4	82.5°	32.9	89.3	131.7	143.4	409.1	232.7	315.0	446.7	439.6	380.9
0.0	85°	0.0	16.5	18.8	9.4	176.3	84.6	103.4	145.8	136.4	103.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	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°
4725.5	0°	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5
4231.8	2.5°	4116.6	4032.0	3989.6	3954.4	3987.3	4006.1	4006.1	4086.0	4133.0	4151.9
3834.5	5°	3627.6	3470.1	3364.3	3300.8	3322.0	3345.5	3371.3	3472.4	3540.6	3585.3
3559.4	7.5°	3242.0	3002.2	2854.1	2776.5	2788.3	2804.7	2825.9	2924.6	2992.8	3051.6
3507.7	10°	3051.6	2713.0	2517.9	2423.9	2407.4	2398.0	2391.0	2449.7	2501.5	2548.5
3719.3	12.5°	3061.0	2588.4	2351.0	2235.8	2186.4	2130.0	2085.3	2094.7	2127.6	2186.4
4097.8	15°	3180.9	2548.5	2264.0	2120.6	2038.3	1972.5	1918.4	1906.7	1918.4	1927.8
4530.4	17.5°	3343.1	2543.8	2188.8	2010.1	1925.5	1871.4	1822.0	1805.6	1807.9	1819.7
4817.2	20°	3472.4	2529.7	2104.1	1904.3	1829.1	1782.1	1732.7	1716.2	1720.9	1723.3
4845.4	22.5°	3540.6	2508.5	2010.1	1798.5	1735.0	1688.0	1643.3	1641.0	1641.0	1655.1
4692.6	25°	3540.6	2463.8	1925.5	1697.4	1641.0	1598.7	1544.6	1554.0	1558.7	1577.5
4455.1	27.5°	3456.0	2379.2	1857.3	1610.4	1551.7	1509.3	1460.0	1471.7	1478.8	1499.9
4220.0	30°	3347.8	2278.1	1779.7	1528.1	1460.0	1429.4	1387.1	1391.8	1401.2	1424.7
4001.4	32.5°	3232.6	2158.2	1716.2	1445.9	1377.7	1354.2	1307.2	1314.2	1323.6	1349.5
3785.1	35°	3105.7	2017.2	1641.0	1370.6	1302.5	1283.6	1229.6	1234.3	1248.4	1276.6
3552.4	37.5°	2971.7	1902.0	1565.8	1297.7	1227.2	1208.4	1152.0	1156.7	1173.1	1206.1
3307.8	40°	2840.0	1789.1	1485.8	1220.2	1149.6	1133.2	1072.1	1076.8	1095.6	1130.8
3061.0	42.5°	2696.6	1702.1	1382.4	1140.2	1065.0	1048.5	992.1	999.2	1020.3	1055.6
2832.9	45°	2525.0	1645.7	1267.2	1065.0	980.4	963.9	912.2	926.3	949.8	985.1
2637.8	47.5°	2348.6	1622.2	1170.8	985.1	893.4	879.3	837.0	860.5	886.3	914.5
2470.9	50°	2179.4	1591.6	1072.1	909.8	818.1	804.0	775.8	806.4	832.3	858.1
2351.0	52.5°	1986.6	1525.8	982.7	844.0	754.7	750.0	735.9	764.1	787.6	811.1
2247.6	55°	1786.8	1420.0	905.1	785.2	700.6	705.3	698.2	721.8	740.6	761.7
2153.5	57.5°	1612.8	1286.0	844.0	721.8	653.6	667.7	658.3	670.0	681.8	707.6
2040.7	60°	1436.5	1126.1	775.8	646.5	606.6	623.0	597.2	594.8	599.5	606.6
1873.7	62.5°	1199.0	959.2	691.2	580.7	554.8	561.9	512.5	474.9	474.9	482.0
1641.0	65°	963.9	804.0	597.2	505.5	484.3	479.6	409.1	357.4	352.6	373.8
1370.6	67.5°	792.3	667.7	503.1	420.8	406.7	411.4	359.7	308.0	303.3	326.8
1116.7	70°	655.9	538.4	402.0	324.4	338.5	359.7	308.0	258.6	251.6	272.7
907.5	72.5°	521.9	420.8	308.0	239.8	279.8	305.6	251.6	204.5	199.8	218.6
700.6	75°	383.2	300.9	209.2	174.0	216.3	239.8	183.4	145.8	138.7	155.2
467.8	77.5°	237.5	169.3	131.7	103.4	148.1	159.9	96.4	84.6	82.3	94.0
284.5	80°	110.5	72.9	63.5	35.3	54.1	63.5	40.0	44.7	47.0	56.4
143.4	82.5°	30.6	11.8	2.4	0.0	0.0	18.8	9.4	18.8	23.5	35.3
11.8	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	11.8	21.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4
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°
4725.5	0°	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5	4725.5
4283.5	2.5°	4382.3	4476.3	4626.8	4781.9	4934.7	5089.9	5240.4	5294.4
3789.8	5°	3975.5	4191.8	4490.4	4810.1	5139.3	5473.1	5778.7	5917.5
3279.6	7.5°	3521.8	3832.1	4281.2	4781.9	5306.2	5830.5	6312.4	6535.8
2774.2	10°	3037.5	3430.1	3942.6	4619.7	5372.0	6096.1	6759.1	7048.3
2329.8	12.5°	2576.7	2988.1	3554.7	4365.8	5320.3	6248.9	7045.9	7386.8
2017.2	15°	2191.1	2555.5	3166.8	4064.9	5153.4	6258.3	7182.3	7556.1
1843.2	17.5°	1902.0	2139.4	2771.8	3731.0	4934.7	6171.4	7229.3	7629.0
1749.1	20°	1758.5	1824.4	2259.3	3303.1	4730.2	6089.1	7276.3	7697.2
1673.9	22.5°	1673.9	1690.4	1847.9	2750.7	4485.7	6063.2	7358.6	7791.2
1605.7	25°	1605.7	1610.4	1652.7	2179.4	4111.9	6046.8	7485.6	7920.5
1535.2	27.5°	1537.5	1537.5	1561.1	1756.2	3604.1	5976.2	7650.1	8075.7
1464.7	30°	1469.4	1469.4	1485.8	1554.0	3009.3	5837.5	7847.6	8277.8
1394.1	32.5°	1398.8	1398.8	1412.9	1462.3	2402.7	5663.5	8028.6	8482.4
1321.3	35°	1328.3	1323.6	1342.4	1394.1	1911.4	5442.6	8209.7	8703.4
1248.4	37.5°	1253.1	1250.7	1269.5	1328.3	1650.4	5186.3	8346.0	9004.3
1175.5	40°	1173.1	1173.1	1194.3	1257.8	1575.2	4864.2	8562.3	9436.9
1100.3	42.5°	1100.3	1095.6	1119.1	1196.7	1518.7	4556.2	8950.2	10067.0
1032.1	45°	1029.7	1020.3	1041.5	1137.9	1420.0	4448.1	9674.3	10997.9
966.3	47.5°	963.9	940.4	959.2	1067.4	1330.7	4852.5	10859.2	12288.6
907.5	50°	909.8	865.2	881.6	996.8	1262.5	5729.4	12396.8	14002.5
853.4	52.5°	853.4	794.6	804.0	909.8	1201.4	6564.0	14063.6	16264.2
799.3	55°	794.6	728.8	733.5	822.8	1114.4	6688.6	15690.5	19348.7
738.2	57.5°	728.8	667.7	667.7	742.9	1050.9	5797.6	16941.3	23176.1
663.0	60°	655.9	616.0	604.2	679.4	1107.3	4090.7	17087.0	25644.6
566.6	62.5°	576.0	554.8	538.4	618.3	1149.6	2423.9	15913.9	25047.5
446.7	65°	484.3	479.6	467.8	679.4	968.6	1431.8	13661.6	23216.1
380.9	67.5°	406.7	399.7	399.7	712.4	735.9	900.4	10673.5	20695.8
324.4	70°	350.3	324.4	324.4	538.4	446.7	623.0	7452.7	17975.7
268.0	72.5°	293.9	265.7	246.9	430.2	333.8	456.1	4657.3	15394.3
204.5	75°	235.1	213.9	190.4	284.5	249.2	345.6	2706.0	12754.1
129.3	77.5°	169.3	159.9	134.0	209.2	181.0	249.2	1610.4	9841.3
79.9	80°	87.0	89.3	84.6	119.9	122.3	169.3	916.9	6735.6
51.7	82.5°	51.7	40.0	44.7	58.8	70.5	96.4	345.6	3959.1
37.6	85°	32.9	21.2	21.2	28.2	35.3	37.6	105.8	1605.7
18.8	87.5°	16.5	7.1	9.4	14.1	11.8	9.4	4.7	404.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)