

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: P952420

Luminaire Tested: **GALN-SB6B-740-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952420
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-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 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: 27571 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

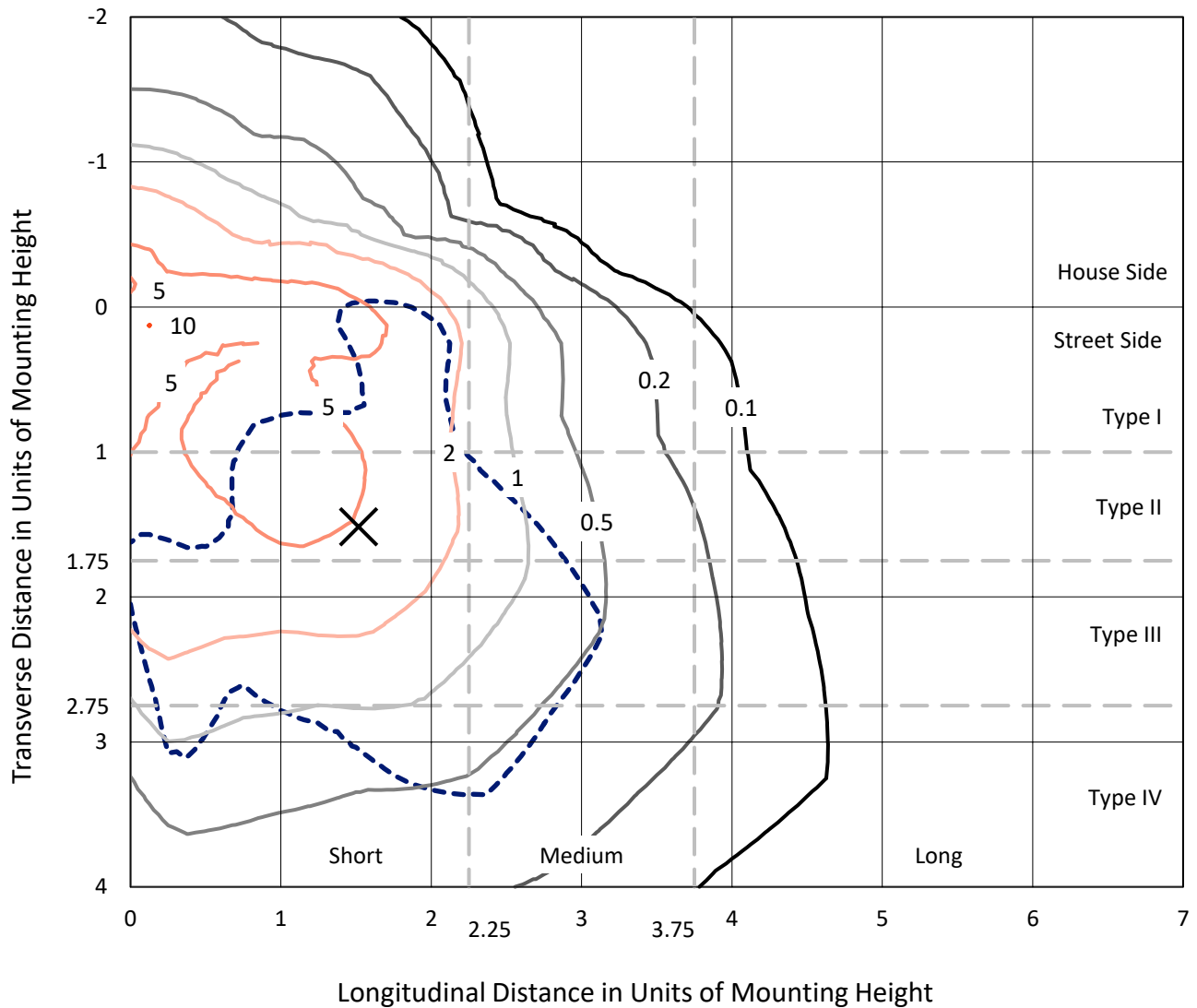
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

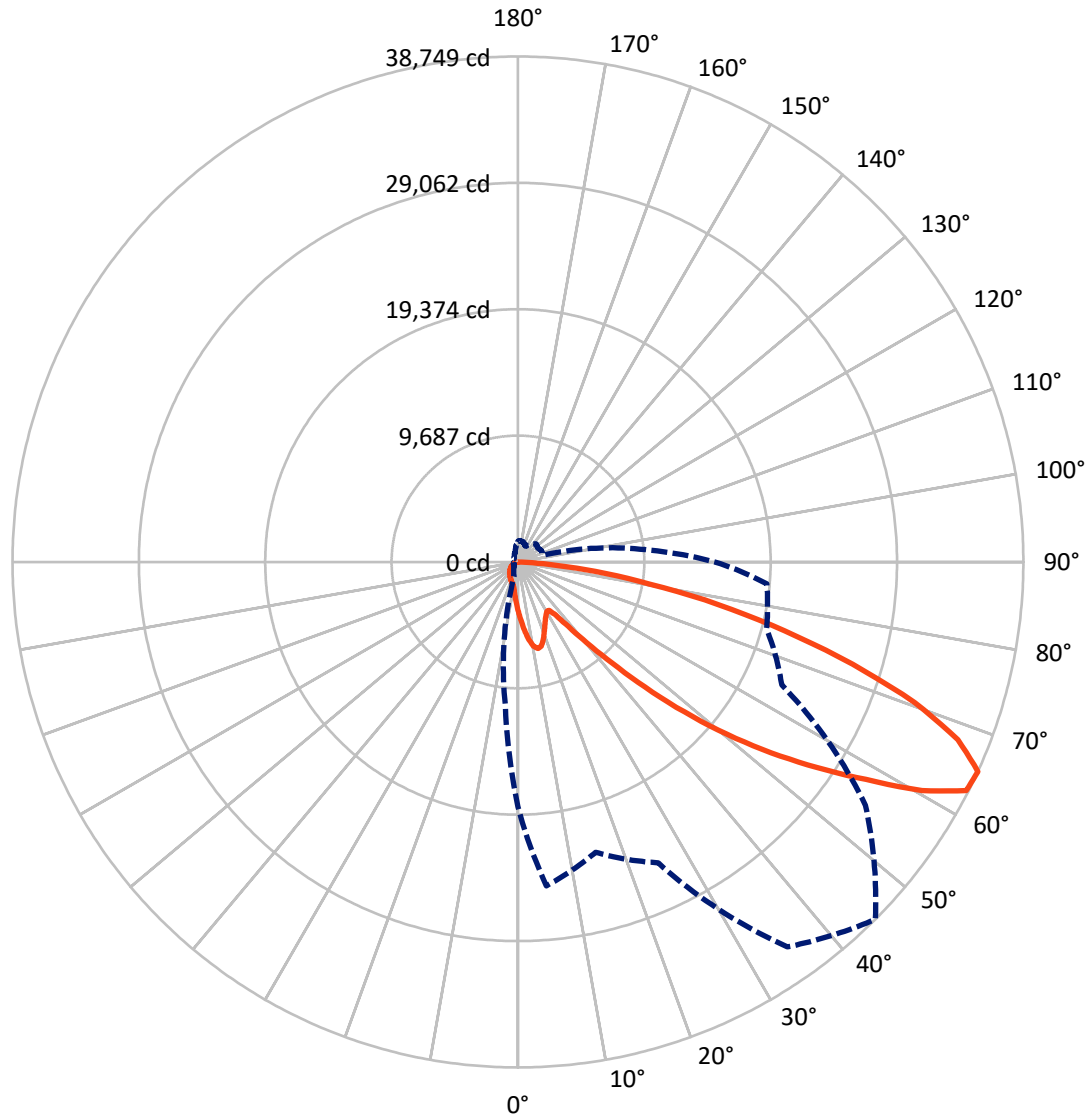
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	5480.3	0.0	5480.3
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	22090.7	0.0	22090.7
	% Fixture	80.1	0.0	80.1
Total	Lumens	27571.0	0.0	27571.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.9	1.4
10°-20°	1126.7	4.1
20°-30°	1659.9	6.0
30°-40°	2132.5	7.7
40°-50°	3448.9	12.5
50°-60°	6048.0	21.9
60°-70°	7567.7	27.4
70°-80°	4422.2	16.0
80°-90°	789.0	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°	27571.0	100.0
0°-180°	27571.0	100.0

Coefficient of Utilization



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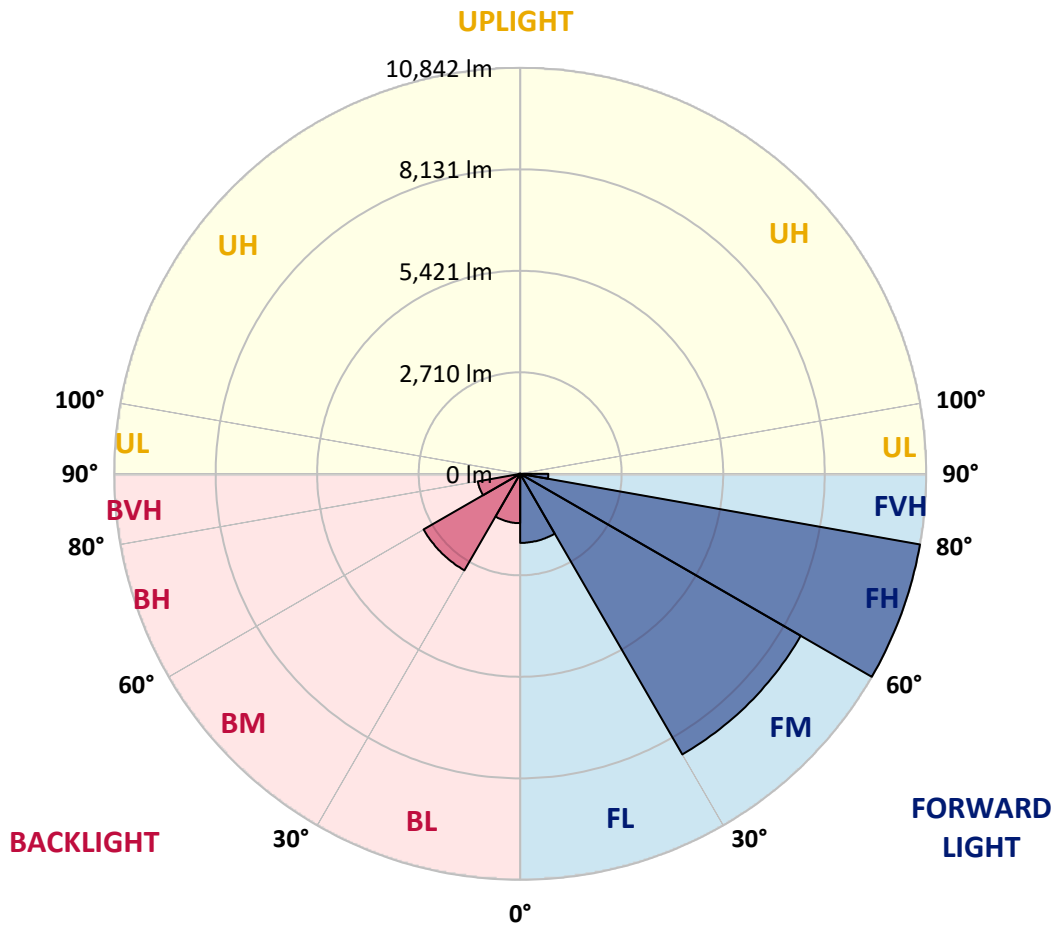
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1844.8	6.7			
FM (30°-60°)	8652.1	31.4			
FH (60°-80°)	10841.8	39.3			G4/12000
FVH (80°-90°)	752.0	2.7			G5
BL (0°-30°)	1317.7	4.8	B3/2500		
BM (30°-60°)	2977.4	10.8	B3/5000		
BH (60°-80°)	1148.2	4.2	B3/2500		G3/2500
BVH (80°-90°)	37.0	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°	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7
2.5°	4277.3	4309.6	4381.8	4419.8	4478.7	4482.5	4482.5	4431.2	4429.3	4324.8
5°	4780.7	4856.6	5027.6	5204.2	5242.2	5251.7	5232.7	5130.2	5054.2	4850.9
7.5°	5280.2	5426.5	5686.7	5922.2	5998.2	5998.2	5952.6	5785.4	5629.7	5335.3
10°	5694.3	5878.5	6231.8	6495.8	6583.2	6564.2	6471.1	6260.3	6045.6	5688.6
12.5°	5967.8	6174.8	6562.3	6775.0	6864.3	6814.9	6708.5	6503.4	6277.4	5901.3
15°	6104.5	6321.0	6657.2	6769.3	6744.6	6693.3	6680.0	6581.3	6410.3	6058.9
17.5°	6163.4	6364.7	6598.4	6528.1	6319.2	6279.3	6412.2	6537.6	6495.8	6195.7
20°	6218.5	6387.5	6457.8	6146.3	5781.6	5745.5	6000.1	6357.1	6539.5	6322.9
22.5°	6294.5	6398.9	6254.6	5743.6	5350.5	5266.9	5548.0	6085.5	6552.8	6484.4
25°	6398.9	6427.4	6030.4	5361.9	4966.8	4883.2	5145.3	5783.5	6530.0	6659.1
27.5°	6524.3	6465.4	5815.8	5042.8	4661.0	4583.1	4845.3	5492.9	6465.4	6833.9
30°	6687.6	6514.8	5603.1	4795.9	4442.6	4385.6	4638.2	5242.2	6385.6	7056.1
32.5°	6852.9	6535.7	5405.6	4651.5	4393.2	4414.1	4621.1	5107.4	6298.3	7268.8
35°	7031.4	6602.2	5308.7	4794.0	4805.4	4987.7	5073.2	5232.7	6285.0	7557.5
37.5°	7274.5	6750.3	5424.6	5502.4	5897.5	6275.5	6205.2	5846.2	6438.8	7988.7
40°	7624.0	7010.5	5929.8	6708.5	7519.5	8133.0	7865.2	6961.1	6909.8	8609.8
42.5°	8133.0	7424.6	6826.3	8182.4	9557.5	10568.0	9850.0	8398.9	7734.2	9496.8
45°	8885.2	8095.0	7910.8	9738.0	12070.4	13662.1	12169.2	9931.7	8889.0	10839.6
47.5°	9927.9	9080.8	8927.0	11377.1	15124.6	17183.5	14740.9	11352.4	10203.3	12670.6
50°	11312.6	10408.5	9889.9	13170.1	18473.1	20773.2	17310.7	12723.8	11709.5	14908.0
52.5°	13139.7	12260.3	11012.5	14877.6	21916.6	24287.0	19891.9	13928.0	13578.5	17504.4
55°	15631.7	15046.7	12547.1	16507.3	25358.3	27821.7	22372.5	15063.8	16047.6	20589.0
57.5°	18723.8	19141.7	14759.9	18397.1	28452.3	31464.7	24864.4	16651.6	19253.8	24038.2
60°	20718.2	24587.1	18997.3	21191.1	31968.0	35584.4	28279.5	19671.6	22623.2	25274.7
62.5°	20235.7	26319.3	24072.4	24758.1	35200.7	38579.7	31626.1	22704.9	23257.6	23453.2
65°	18756.1	24921.4	23037.3	25451.3	36019.3	38748.7	32520.7	22313.6	19728.6	19147.4
67.5°	16720.0	23263.3	20577.6	23612.8	34539.8	36385.9	30855.0	19738.1	15246.1	14368.6
70°	14522.5	21428.5	18963.1	21550.1	31719.2	32268.1	28023.1	17360.1	11213.8	9703.8
72.5°	12437.0	19517.8	17857.7	19436.1	27956.6	26820.8	24336.4	15257.5	8165.3	6999.1
75°	10304.0	16699.1	16283.2	16925.1	23008.8	21126.5	20220.5	12632.6	6408.4	5063.7
77.5°	7950.7	13048.6	14005.8	13553.8	16195.8	15692.5	15673.5	9493.0	4681.9	3379.0
80°	5441.6	9094.1	10942.2	9561.3	10511.0	10254.6	11804.5	6368.5	3396.0	2034.2
82.5°	3198.5	5536.6	7616.4	4628.7	5812.0	5965.9	7029.5	3097.8	1998.1	469.1
85°	1297.3	2186.2	2978.2	1812.0	2803.4	2364.7	2668.6	869.9	556.5	11.4
87.5°	326.7	699.0	490.0	203.2	324.8	298.2	235.5	106.4	22.8	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°
3817.7	0°	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7
4313.4	2.5°	4239.4	4195.7	4087.4	3979.1	3891.8	3774.0	3696.1	3603.1	3513.8	3434.0
4807.3	5°	4687.6	4543.3	4345.7	4165.3	3981.0	3802.5	3625.9	3439.7	3268.8	3164.3
5225.1	7.5°	5052.3	4797.8	4535.7	4305.8	4083.6	3874.7	3641.1	3415.0	3147.2	3004.8
5544.2	10°	5323.9	4989.6	4645.8	4381.8	4157.7	3954.5	3756.9	3529.0	3206.1	3027.6
5737.9	12.5°	5502.4	5105.5	4702.8	4400.8	4150.1	3992.4	3905.1	3815.8	3494.8	3285.9
5880.4	15°	5625.9	5187.1	4742.7	4357.1	4049.4	3933.6	4020.9	4123.5	3918.4	3677.1
6028.5	17.5°	5760.7	5293.5	4759.8	4239.4	3853.8	3804.4	4030.4	4267.8	4258.4	4019.0
6169.1	20°	5903.2	5386.6	4748.4	4049.4	3616.4	3660.1	3948.8	4224.2	4340.0	4210.9
6330.5	22.5°	6049.4	5475.8	4704.7	3802.5	3394.1	3530.9	3819.6	4060.8	4197.6	4157.7
6528.1	25°	6233.7	5601.2	4640.1	3536.6	3209.9	3399.8	3669.6	3865.2	3960.2	3958.3
6740.8	27.5°	6454.0	5768.3	4605.9	3322.0	3078.9	3251.7	3491.0	3665.8	3732.2	3732.2
7004.8	30°	6710.4	5965.9	4567.9	3181.4	3002.9	3097.8	3284.0	3454.9	3521.4	3521.4
7293.5	32.5°	6995.3	6155.8	4476.8	3095.9	2945.9	2947.8	3065.6	3221.3	3301.1	3312.5
7654.4	35°	7337.2	6359.0	4277.3	3027.6	2879.4	2801.5	2858.5	2987.7	3082.7	3107.3
8169.1	37.5°	7785.5	6607.9	3992.4	2926.9	2776.9	2647.7	2661.0	2759.8	2864.2	2902.2
8879.5	40°	8387.5	6900.4	3696.1	2782.6	2632.5	2478.7	2473.0	2545.1	2647.7	2689.5
9840.6	42.5°	9183.4	7251.7	3413.1	2643.9	2457.8	2300.1	2290.6	2347.6	2436.9	2480.6
11109.3	45°	10201.4	7682.9	3170.0	2535.6	2286.8	2131.1	2127.3	2174.8	2252.6	2298.2
12733.3	47.5°	11616.4	8114.0	3004.8	2478.7	2152.0	1992.4	2000.0	2041.8	2112.1	2144.4
14835.9	50°	13460.7	8245.1	2921.2	2478.7	2079.8	1869.0	1907.0	1941.1	1994.3	2013.3
17356.3	52.5°	15230.9	7812.0	2845.2	2493.9	2089.3	1764.5	1846.2	1870.9	1916.4	1924.0
19692.5	55°	16098.9	6716.1	2740.8	2497.7	2148.2	1675.2	1796.8	1842.4	1859.5	1857.6
21048.6	57.5°	15800.7	5430.3	2564.1	2482.5	2188.1	1618.2	1736.0	1823.4	1834.8	1817.7
20790.3	60°	14754.2	3998.1	2429.3	2370.4	2172.9	1601.2	1642.9	1781.6	1798.7	1775.9
18799.8	62.5°	12999.2	2775.0	2324.8	2123.5	2106.4	1595.5	1496.7	1690.4	1732.2	1699.9
15111.3	65°	10233.7	1960.1	2001.9	1861.4	1962.0	1565.1	1344.7	1580.3	1637.2	1587.9
10963.1	67.5°	6925.0	1415.0	1622.0	1686.6	1728.4	1496.7	1234.6	1454.9	1530.9	1466.3
7035.2	70°	3739.8	993.4	1071.2	1420.7	1468.2	1378.9	1135.8	1327.6	1415.0	1344.7
5001.0	72.5°	2208.9	714.2	750.2	1141.5	1223.2	1213.7	1025.7	1179.5	1285.9	1202.3
3451.1	75°	1217.5	482.4	535.6	828.1	993.4	936.4	881.3	999.1	1107.3	1025.7
2163.4	77.5°	545.1	288.7	372.3	543.2	780.6	642.0	681.9	778.7	879.4	793.9
1204.2	80°	210.8	161.4	246.9	296.3	567.9	355.2	438.8	573.6	645.8	577.4
262.1	82.5°	26.6	72.2	106.4	115.9	330.5	188.0	254.5	360.9	355.2	307.7
0.0	85°	0.0	13.3	15.2	7.6	142.5	68.4	83.6	117.8	110.2	83.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	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°
3817.7	0°	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7
3418.8	2.5°	3325.8	3257.4	3223.2	3194.7	3221.3	3236.5	3236.5	3301.1	3339.1	3354.3
3097.8	5°	2930.7	2803.4	2718.0	2666.7	2683.8	2702.8	2723.7	2805.3	2860.4	2896.5
2875.6	7.5°	2619.2	2425.5	2305.8	2243.1	2252.6	2265.9	2283.0	2362.8	2417.9	2465.4
2833.8	10°	2465.4	2191.9	2034.2	1958.2	1944.9	1937.3	1931.6	1979.1	2020.9	2058.9
3004.8	12.5°	2473.0	2091.2	1899.4	1806.3	1766.4	1720.8	1684.7	1692.3	1718.9	1766.4
3310.6	15°	2569.8	2058.9	1829.1	1713.2	1646.7	1593.6	1549.9	1540.4	1549.9	1557.5
3660.1	17.5°	2700.9	2055.1	1768.3	1623.9	1555.6	1511.9	1472.0	1458.7	1460.6	1470.1
3891.8	20°	2805.3	2043.7	1699.9	1538.5	1477.7	1439.7	1399.8	1386.5	1390.3	1392.2
3914.6	22.5°	2860.4	2026.6	1623.9	1453.0	1401.7	1363.7	1327.6	1325.7	1325.7	1337.1
3791.1	25°	2860.4	1990.5	1555.6	1371.3	1325.7	1291.6	1247.9	1255.5	1259.3	1274.5
3599.3	27.5°	2792.1	1922.1	1500.5	1301.1	1253.6	1219.4	1179.5	1189.0	1194.7	1211.8
3409.3	30°	2704.7	1840.5	1437.8	1234.6	1179.5	1154.8	1120.6	1124.4	1132.0	1151.0
3232.7	32.5°	2611.6	1743.6	1386.5	1168.1	1113.0	1094.0	1056.0	1061.7	1069.3	1090.2
3058.0	35°	2509.0	1629.6	1325.7	1107.3	1052.2	1037.0	993.4	997.2	1008.6	1031.3
2869.9	37.5°	2400.8	1536.6	1265.0	1048.4	991.5	976.3	930.7	934.5	947.8	974.4
2672.4	40°	2294.4	1445.4	1200.4	985.8	928.8	915.5	866.1	869.9	885.1	913.6
2473.0	42.5°	2178.6	1375.1	1116.8	921.2	860.4	847.1	801.5	807.2	824.3	852.8
2288.7	45°	2039.9	1329.5	1023.8	860.4	792.0	778.7	736.9	748.3	767.3	795.8
2131.1	47.5°	1897.5	1310.6	945.9	795.8	721.8	710.4	676.2	695.2	716.1	738.8
1996.2	50°	1760.7	1285.9	866.1	735.0	661.0	649.6	626.8	651.5	672.4	693.3
1899.4	52.5°	1605.0	1232.7	793.9	681.9	609.7	605.9	594.5	617.3	636.3	655.3
1815.8	55°	1443.5	1147.2	731.3	634.4	566.0	569.8	564.1	583.1	598.3	615.4
1739.8	57.5°	1303.0	1038.9	681.9	583.1	528.0	539.4	531.8	541.3	550.8	571.7
1648.6	60°	1160.5	909.8	626.8	522.3	490.0	503.3	482.4	480.5	484.3	490.0
1513.8	62.5°	968.7	774.9	558.4	469.1	448.2	453.9	414.1	383.7	383.7	389.4
1325.7	65°	778.7	649.6	482.4	408.4	391.3	387.5	330.5	288.7	284.9	302.0
1107.3	67.5°	640.1	539.4	406.5	340.0	328.6	332.4	290.6	248.8	245.0	264.0
902.2	70°	529.9	435.0	324.8	262.1	273.5	290.6	248.8	208.9	203.2	220.3
733.2	72.5°	421.7	340.0	248.8	193.7	226.0	246.9	203.2	165.2	161.4	176.6
566.0	75°	309.6	243.1	169.0	140.6	174.7	193.7	148.1	117.8	112.1	125.4
378.0	77.5°	191.8	136.8	106.4	83.6	119.7	129.2	77.9	68.4	66.5	76.0
229.8	80°	89.3	58.9	51.3	28.5	43.7	51.3	32.3	36.1	38.0	45.6
115.9	82.5°	24.7	9.5	1.9	0.0	0.0	15.2	7.6	15.2	19.0	28.5
9.5	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	9.5	17.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
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°
3817.7	0°	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7	3817.7
3460.6	2.5°	3540.4	3616.4	3737.9	3863.3	3986.7	4112.1	4233.7	4277.3
3061.8	5°	3211.8	3386.5	3627.8	3886.1	4152.0	4421.7	4668.6	4780.7
2649.6	7.5°	2845.2	3095.9	3458.7	3863.3	4286.8	4710.4	5099.8	5280.2
2241.2	10°	2454.0	2771.2	3185.2	3732.2	4340.0	4925.0	5460.6	5694.3
1882.3	12.5°	2081.7	2414.1	2871.8	3527.1	4298.2	5048.5	5692.4	5967.8
1629.6	15°	1770.2	2064.6	2558.4	3284.0	4163.4	5056.1	5802.5	6104.5
1489.1	17.5°	1536.6	1728.4	2239.3	3014.3	3986.7	4985.8	5840.5	6163.4
1413.1	20°	1420.7	1473.9	1825.3	2668.6	3821.5	4919.3	5878.5	6218.5
1352.3	22.5°	1352.3	1365.6	1492.9	2222.2	3624.0	4898.4	5945.0	6294.5
1297.3	25°	1297.3	1301.1	1335.2	1760.7	3322.0	4885.1	6047.5	6398.9
1240.3	27.5°	1242.2	1242.2	1261.2	1418.8	2911.7	4828.2	6180.5	6524.3
1183.3	30°	1187.1	1187.1	1200.4	1255.5	2431.2	4716.1	6340.0	6687.6
1126.3	32.5°	1130.1	1130.1	1141.5	1181.4	1941.1	4575.5	6486.3	6852.9
1067.4	35°	1073.1	1069.3	1084.5	1126.3	1544.2	4397.0	6632.5	7031.4
1008.6	37.5°	1012.4	1010.5	1025.7	1073.1	1333.3	4190.0	6742.7	7274.5
949.7	40°	947.8	947.8	964.9	1016.2	1272.6	3929.8	6917.4	7624.0
888.9	42.5°	888.9	885.1	904.1	966.8	1227.0	3680.9	7230.8	8133.0
833.8	45°	831.9	824.3	841.4	919.3	1147.2	3593.6	7815.8	8885.2
780.6	47.5°	778.7	759.7	774.9	862.3	1075.0	3920.3	8773.1	9927.9
733.2	50°	735.0	699.0	712.3	805.3	1020.0	4628.7	10015.3	11312.6
689.5	52.5°	689.5	642.0	649.6	735.0	970.6	5303.0	11361.9	13139.7
645.8	55°	642.0	588.8	592.6	664.8	900.3	5403.7	12676.3	15631.7
596.4	57.5°	588.8	539.4	539.4	600.2	849.0	4683.8	13686.7	18723.8
535.6	60°	529.9	497.6	488.1	548.9	894.6	3304.9	13804.5	20718.2
457.7	62.5°	465.3	448.2	435.0	499.5	928.8	1958.2	12856.7	20235.7
360.9	65°	391.3	387.5	378.0	548.9	782.5	1156.7	11037.1	18756.1
307.7	67.5°	328.6	322.9	322.9	575.5	594.5	727.5	8623.1	16720.0
262.1	70°	283.0	262.1	262.1	435.0	360.9	503.3	6021.0	14522.5
216.5	72.5°	237.4	214.6	199.4	347.6	269.7	368.5	3762.6	12437.0
165.2	75°	189.9	172.8	153.8	229.8	201.3	279.2	2186.2	10304.0
104.5	77.5°	136.8	129.2	108.3	169.0	146.3	201.3	1301.1	7950.7
64.6	80°	70.3	72.2	68.4	96.9	98.8	136.8	740.7	5441.6
41.8	82.5°	41.8	32.3	36.1	47.5	57.0	77.9	279.2	3198.5
30.4	85°	26.6	17.1	17.1	22.8	28.5	30.4	85.5	1297.3
15.2	87.5°	13.3	5.7	7.6	11.4	9.5	7.6	3.8	326.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)