

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: P953050

Luminaire Tested: **GALN-SB6D-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953050
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-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 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: 38905 lumens
Efficiency: N/A
Efficacy: 88.4 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



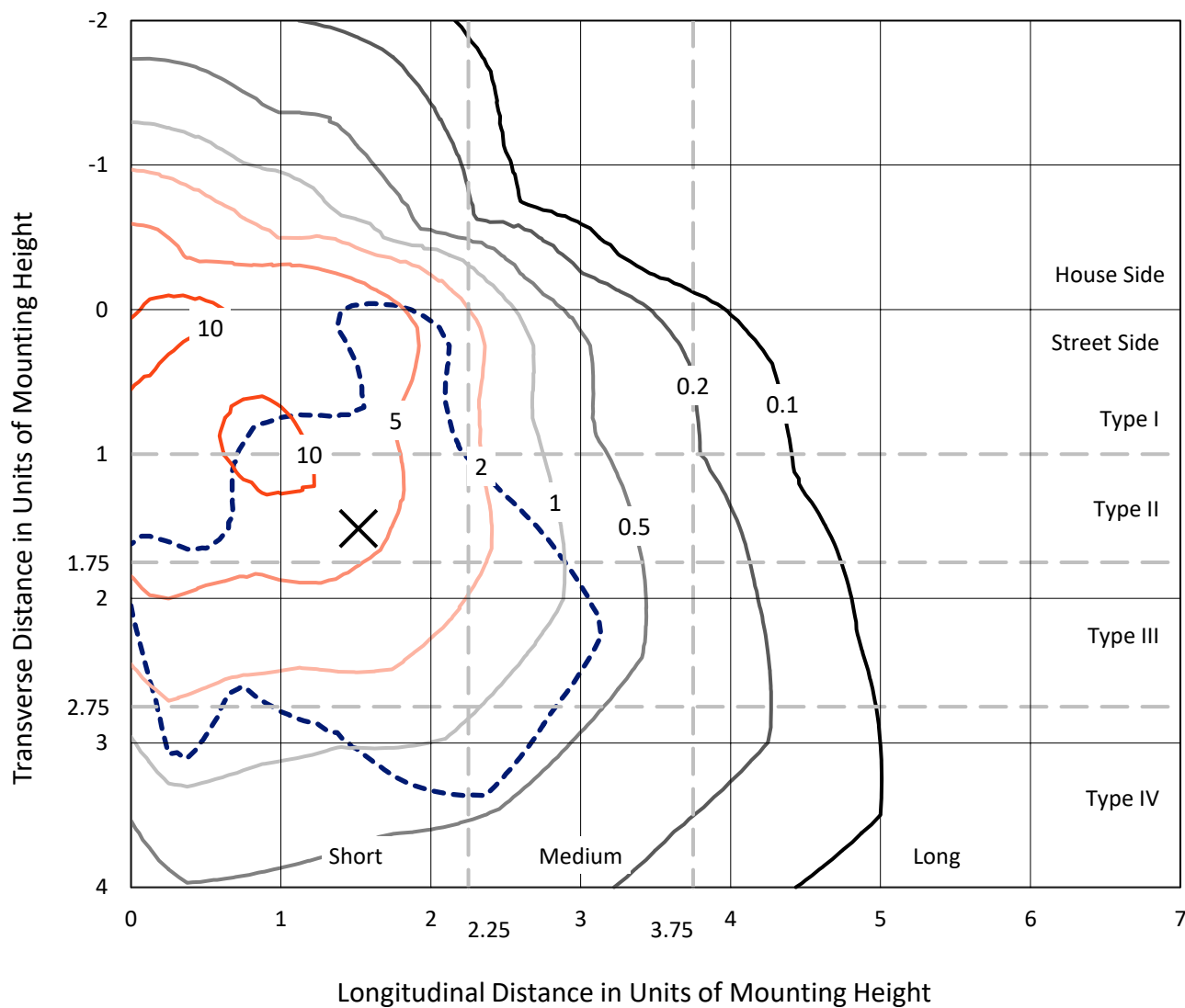
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

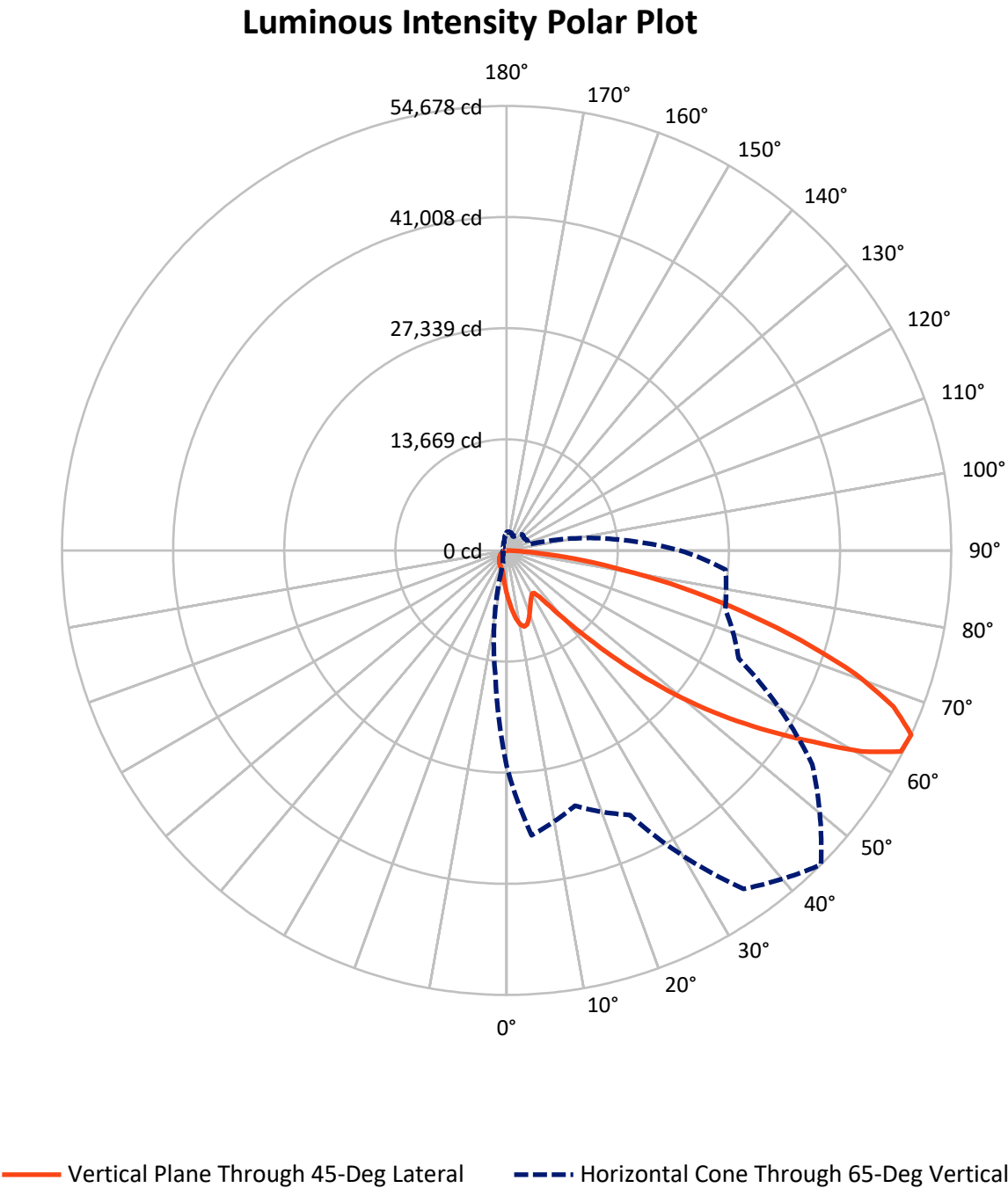
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc

Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7733.1	0.0	7733.1
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	31171.9	0.0	31171.9
	% Fixture	80.1	0.0	80.1
Total	Lumens	38905.0	0.0	38905.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.4	1.4
10°-20°	1589.9	4.1
20°-30°	2342.3	6.0
30°-40°	3009.2	7.7
40°-50°	4866.7	12.5
50°-60°	8534.3	21.9
60°-70°	10678.7	27.4
70°-80°	6240.2	16.0
80°-90°	1113.3	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°	38905.0	100.0
0°-180°	38905.0	100.0

Coefficient of Utilization



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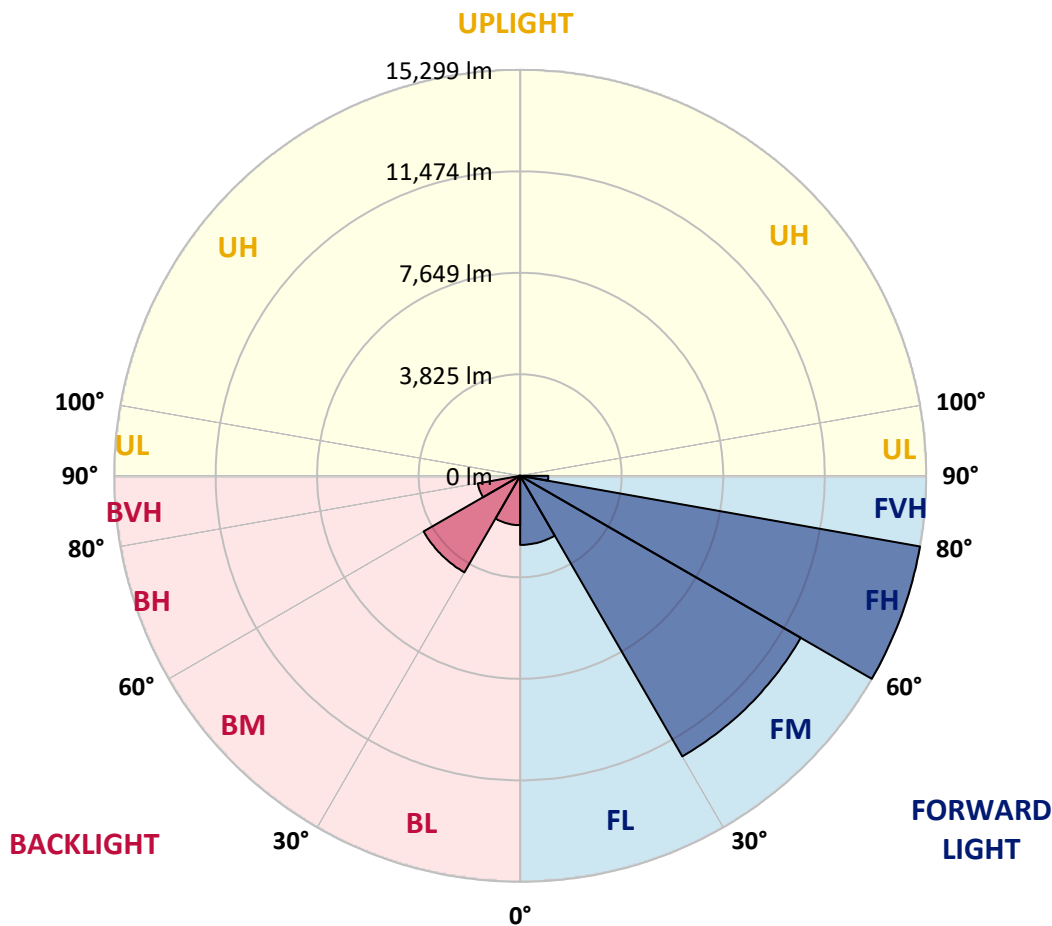
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2603.2	6.7			
FM	(30°-60°)	12208.9	31.4			
FH	(60°-80°)	15298.7	39.3			G5
FVH	(80°-90°)	1061.2	2.7			G5
BL	(0°-30°)	1859.4	4.8	B3/2500		
BM	(30°-60°)	4201.4	10.8	B3/5000		
BH	(60°-80°)	1620.2	4.2	B3/2500		G3/2500
BVH	(80°-90°)	52.2	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°	90°
0°	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1
2.5°	6035.7	6081.3	6183.1	6236.7	6319.8	6325.1	6325.1	6252.8	6250.1	6102.7	6086.6
5°	6745.9	6853.1	7094.4	7343.6	7397.2	7410.6	7383.8	7239.1	7131.9	6845.1	6783.5
7.5°	7450.8	7657.2	8024.4	8356.7	8463.9	8463.9	8399.6	8163.7	7944.0	7528.5	7373.1
10°	8035.1	8295.1	8793.6	9166.1	9289.4	9262.6	9131.3	8833.8	8530.9	8027.0	7823.4
12.5°	8421.0	8713.2	9259.9	9560.1	9686.1	9616.4	9466.3	9176.8	8857.9	8327.2	8096.7
15°	8614.0	8919.5	9393.9	9552.0	9517.2	9444.8	9426.1	9286.7	9045.5	8549.7	8297.7
17.5°	8697.1	8981.2	9310.8	9211.7	8916.9	8860.6	9048.2	9225.1	9166.1	8742.6	8506.8
20°	8774.8	9013.3	9112.5	8673.0	8158.4	8107.4	8466.6	8970.5	9227.7	8922.2	8705.1
22.5°	8882.0	9029.4	8825.7	8104.8	7550.0	7432.1	7828.7	8587.2	9246.5	9150.0	8932.9
25°	9029.4	9069.6	8509.5	7566.1	7008.6	6890.7	7260.5	8161.1	9214.3	9396.6	9211.7
27.5°	9206.3	9123.2	8206.6	7115.8	6577.1	6467.2	6837.1	7751.0	9123.2	9643.2	9511.8
30°	9436.8	9192.9	7906.4	6767.4	6268.9	6188.5	6544.9	7397.2	9010.7	9956.8	9884.4
32.5°	9670.0	9222.4	7627.7	6563.7	6199.2	6228.7	6520.8	7206.9	8887.4	10256.9	10291.8
35°	9921.9	9316.2	7491.0	6764.7	6780.8	7038.1	7158.7	7383.8	8868.6	10664.3	10801.0
37.5°	10265.0	9525.2	7654.5	7764.4	8321.9	8855.2	8756.0	8249.5	9085.7	11272.7	11527.3
40°	10758.1	9892.4	8367.4	9466.3	10610.7	11476.4	11098.5	9822.7	9750.4	12149.1	12529.7
42.5°	11476.4	10476.7	9632.5	11546.1	13486.5	14912.3	13899.2	11851.6	10913.6	13400.7	13885.8
45°	12537.7	11422.8	11162.8	13741.1	17032.3	19278.3	17171.7	14014.5	12543.1	15295.6	15676.2
47.5°	14009.1	12813.8	12596.7	16054.1	21342.0	24247.3	20800.6	16019.2	14397.8	17879.3	17967.7
50°	15963.0	14687.2	13955.5	18584.1	26067.1	29312.8	24426.9	17954.3	16523.1	21036.5	20934.6
52.5°	18541.3	17300.4	15539.5	20993.6	30926.2	34271.1	28069.2	19653.5	19160.4	24700.2	24491.2
55°	22057.6	21232.1	17705.1	23293.2	35782.7	39258.8	31569.5	21256.3	22644.6	29052.8	27787.8
57.5°	26420.9	27010.5	20827.4	25959.9	40148.6	44399.3	35085.8	23496.9	27168.7	33920.0	29701.4
60°	29235.1	34694.5	26806.8	29902.4	45109.6	50212.6	39904.7	27758.3	31923.2	35664.7	29336.9
62.5°	28554.3	37138.8	33968.2	34935.7	49671.2	54439.2	44627.1	32038.5	32818.4	33094.5	26528.1
65°	26466.5	35166.2	32507.5	35914.0	50826.3	54677.7	45889.5	31486.4	27838.7	27018.6	21323.3
67.5°	23593.3	32826.5	29036.7	33319.6	48738.5	51343.6	43539.0	27852.1	21513.5	20275.3	15469.8
70°	20492.4	30237.4	26758.6	30409.0	44758.5	45533.0	39542.9	24496.6	15823.6	13692.9	9927.3
72.5°	17549.6	27541.2	25198.8	27426.0	39449.1	37846.4	34340.7	21529.6	11522.0	9876.3	7056.8
75°	14539.8	23563.9	22976.9	23882.8	32467.3	29811.3	28532.9	17825.7	9042.8	7145.3	4869.8
77.5°	11219.1	18412.6	19763.4	19125.5	22853.6	22143.4	22116.6	13395.4	6606.6	4768.0	3052.7
80°	7678.6	12832.5	15440.3	13491.9	14831.9	14470.1	16657.1	8986.5	4792.1	2870.4	1699.2
82.5°	4513.4	7812.6	10747.4	6531.5	8201.3	8418.3	9919.2	4371.3	2819.5	662.0	369.9
85°	1830.5	3084.9	4202.5	2556.9	3955.9	3336.8	3765.6	1227.5	785.3	16.1	0.0
87.5°	461.0	986.3	691.5	286.8	458.3	420.8	332.3	150.1	32.2	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	0.0

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CATALOG NUMBER: GALN-SB6D-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1
2.5°	5982.1	5920.4	5767.7	5614.9	5491.6	5325.5	5215.6	5084.2	4958.3	4845.7	4824.3
5°	6614.6	6410.9	6132.2	5877.6	5617.6	5365.7	5116.4	4853.7	4612.5	4465.1	4371.3
7.5°	7129.2	6770.1	6400.2	6075.9	5762.3	5467.5	5137.8	4818.9	4441.0	4240.0	4057.7
10°	7512.5	7040.7	6555.6	6183.1	5866.8	5580.1	5301.3	4979.7	4524.1	4272.2	3998.8
12.5°	7764.4	7204.2	6636.0	6209.9	5856.1	5633.7	5510.4	5384.4	4931.5	4636.7	4240.0
15°	7938.6	7319.5	6692.3	6148.3	5714.1	5550.6	5673.9	5818.6	5529.1	5188.8	4671.5
17.5°	8128.9	7469.6	6716.5	5982.1	5438.0	5368.3	5687.3	6022.3	6008.9	5671.2	5164.6
20°	8329.9	7600.9	6700.4	5714.1	5103.0	5164.6	5572.0	5960.6	6124.1	5941.9	5491.6
22.5°	8536.3	7726.9	6638.7	5365.7	4789.4	4982.4	5389.8	5730.2	5923.1	5866.8	5523.8
25°	8796.2	7903.8	6547.6	4990.4	4529.5	4797.5	5178.0	5454.1	5588.1	5585.4	5349.6
27.5°	9107.1	8139.6	6499.4	4687.6	4344.5	4588.4	4926.1	5172.7	5266.5	5266.5	5078.9
30°	9469.0	8418.3	6445.8	4489.2	4237.3	4371.3	4634.0	4875.2	4969.0	4969.0	4810.9
32.5°	9871.0	8686.4	6317.1	4368.6	4156.9	4159.6	4325.8	4545.5	4658.1	4674.2	4561.6
35°	10353.4	8973.1	6035.7	4272.2	4063.1	3953.2	4033.6	4215.9	4349.9	4384.7	4315.0
37.5°	10985.9	9324.2	5633.7	4130.1	3918.4	3736.1	3754.9	3894.3	4041.7	4095.3	4049.7
40°	11835.5	9737.0	5215.6	3926.4	3714.7	3497.6	3489.6	3591.4	3736.1	3795.1	3771.0
42.5°	12958.5	10232.8	4816.2	3730.8	3468.1	3245.7	3232.3	3312.7	3438.6	3500.3	3489.6
45°	14395.1	10841.2	4473.2	3578.0	3226.9	3007.1	3001.8	3068.8	3178.7	3243.0	3229.6
47.5°	16391.8	11449.6	4240.0	3497.6	3036.6	2811.5	2822.2	2881.2	2980.3	3025.9	3007.1
50°	18994.2	11634.5	4122.1	3497.6	2934.8	2637.3	2690.9	2739.1	2814.2	2841.0	2816.8
52.5°	21492.1	11023.4	4014.9	3519.0	2948.2	2489.9	2605.1	2639.9	2704.3	2715.0	2680.1
55°	22716.9	9477.0	3867.5	3524.4	3031.2	2363.9	2535.4	2599.7	2623.9	2621.2	2562.2
57.5°	22296.2	7662.5	3618.2	3503.0	3087.5	2283.5	2449.7	2572.9	2589.0	2564.9	2455.0
60°	20819.4	5641.7	3427.9	3344.8	3066.1	2259.4	2318.3	2514.0	2538.1	2505.9	2326.4
62.5°	18342.9	3915.7	3280.5	2996.4	2972.3	2251.3	2112.0	2385.3	2444.3	2398.7	2136.1
65°	14440.6	2765.9	2824.9	2626.5	2768.6	2208.4	1897.5	2229.9	2310.3	2240.6	1870.7
67.5°	9771.8	1996.7	2288.8	2380.0	2438.9	2112.0	1742.1	2053.0	2160.2	2069.1	1562.5
70°	5277.2	1401.7	1511.6	2004.8	2071.8	1945.8	1602.7	1873.4	1996.7	1897.5	1273.1
72.5°	3117.0	1007.7	1058.7	1610.8	1726.0	1712.6	1447.3	1664.4	1814.5	1696.5	1034.5
75°	1718.0	680.8	755.8	1168.5	1401.7	1321.3	1243.6	1409.8	1562.5	1447.3	798.7
77.5°	769.2	407.4	525.3	766.5	1101.5	905.9	962.2	1098.9	1240.9	1120.3	533.3
80°	297.5	227.8	348.4	418.1	801.4	501.2	619.1	809.4	911.3	814.8	324.3
82.5°	37.5	101.8	150.1	163.5	466.3	265.3	359.1	509.2	501.2	434.2	163.5
85°	0.0	18.8	21.4	10.7	201.0	96.5	117.9	166.2	155.4	117.9	13.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	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	0.0

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CANDELA DISTRIBUTION (continued):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1
2.5°	4692.9	4596.5	4548.2	4508.0	4545.5	4567.0	4567.0	4658.1	4711.7	4733.1	4883.2
5°	4135.5	3955.9	3835.3	3762.9	3787.0	3813.9	3843.3	3958.6	4036.3	4087.2	4320.4
7.5°	3695.9	3422.5	3253.7	3165.3	3178.7	3197.4	3221.5	3334.1	3411.8	3478.8	3738.8
10°	3478.8	3092.9	2870.4	2763.2	2744.5	2733.8	2725.7	2792.7	2851.7	2905.3	3162.6
12.5°	3489.6	2950.8	2680.1	2548.8	2492.5	2428.2	2377.3	2388.0	2425.5	2492.5	2656.0
15°	3626.2	2905.3	2581.0	2417.5	2323.7	2248.6	2187.0	2173.6	2187.0	2197.7	2299.6
17.5°	3811.2	2899.9	2495.2	2291.5	2195.0	2133.4	2077.1	2058.4	2061.0	2074.4	2101.2
20°	3958.6	2883.8	2398.7	2170.9	2085.2	2031.6	1975.3	1956.5	1961.9	1964.5	1994.0
22.5°	4036.3	2859.7	2291.5	2050.3	1977.9	1924.3	1873.4	1870.7	1870.7	1886.8	1908.3
25°	4036.3	2808.8	2195.0	1935.1	1870.7	1822.5	1760.9	1771.6	1776.9	1798.4	1830.5
27.5°	3939.8	2712.3	2117.3	1835.9	1768.9	1720.7	1664.4	1677.8	1685.8	1709.9	1750.1
30°	3816.5	2597.1	2028.9	1742.1	1664.4	1629.5	1581.3	1586.6	1597.4	1624.2	1669.7
32.5°	3685.2	2460.4	1956.5	1648.3	1570.6	1543.8	1490.2	1498.2	1508.9	1538.4	1589.3
35°	3540.5	2299.6	1870.7	1562.5	1484.8	1463.4	1401.7	1407.1	1423.2	1455.3	1506.2
37.5°	3387.7	2168.2	1785.0	1479.4	1399.0	1377.6	1313.3	1318.6	1337.4	1374.9	1423.2
40°	3237.6	2039.6	1693.9	1391.0	1310.6	1291.8	1222.1	1227.5	1248.9	1289.2	1340.1
42.5°	3074.1	1940.4	1575.9	1299.9	1214.1	1195.3	1131.0	1139.1	1163.2	1203.4	1254.3
45°	2878.5	1876.1	1444.6	1214.1	1117.6	1098.9	1039.9	1056.0	1082.8	1123.0	1176.6
47.5°	2677.5	1849.3	1334.7	1123.0	1018.5	1002.4	954.1	980.9	1010.4	1042.6	1101.5
50°	2484.5	1814.5	1222.1	1037.2	932.7	916.6	884.4	919.3	948.8	978.3	1034.5
52.5°	2264.7	1739.4	1120.3	962.2	860.3	855.0	838.9	871.0	897.8	924.7	972.9
55°	2036.9	1618.8	1031.9	895.2	798.7	804.0	796.0	822.8	844.2	868.4	911.3
57.5°	1838.6	1466.0	962.2	822.8	745.1	761.2	750.4	763.8	777.2	806.7	841.6
60°	1637.6	1283.8	884.4	737.0	691.5	710.2	680.8	678.1	683.4	691.5	755.8
62.5°	1366.9	1093.5	788.0	662.0	632.5	640.6	584.3	541.4	541.4	549.4	645.9
65°	1098.9	916.6	680.8	576.2	552.1	546.8	466.3	407.4	402.0	426.1	509.2
67.5°	903.2	761.2	573.6	479.7	463.7	469.0	410.1	351.1	345.7	372.5	434.2
70°	747.8	613.8	458.3	369.9	385.9	410.1	351.1	294.8	286.8	310.9	369.9
72.5°	595.0	479.7	351.1	273.4	318.9	348.4	286.8	233.2	227.8	249.3	305.5
75°	436.9	343.1	238.5	198.3	246.6	273.4	209.1	166.2	158.1	176.9	233.2
77.5°	270.7	193.0	150.1	117.9	168.8	182.3	109.9	96.5	93.8	107.2	147.4
80°	126.0	83.1	72.4	40.2	61.6	72.4	45.6	50.9	53.6	64.3	91.1
82.5°	34.8	13.4	2.7	0.0	0.0	21.4	10.7	21.4	26.8	40.2	59.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	13.4	24.1	42.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	21.4
90°	0.0	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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1
2.5°	4995.8	5103.0	5274.5	5451.4	5625.6	5802.5	5974.1	6035.7
5°	4532.1	4778.7	5119.1	5483.6	5858.8	6239.4	6587.8	6745.9
7.5°	4014.9	4368.6	4880.5	5451.4	6049.1	6646.8	7196.2	7450.8
10°	3462.8	3910.3	4494.6	5266.5	6124.1	6949.6	7705.4	8035.1
12.5°	2937.4	3406.5	4052.4	4977.0	6065.2	7123.8	8032.4	8421.0
15°	2497.9	2913.3	3610.2	4634.0	5874.9	7134.6	8187.9	8614.0
17.5°	2168.2	2438.9	3159.9	4253.4	5625.6	7035.4	8241.5	8697.1
20°	2004.8	2079.8	2575.6	3765.6	5392.5	6941.6	8295.1	8774.8
22.5°	1908.3	1927.0	2106.6	3135.8	5113.7	6912.1	8388.9	8882.0
25°	1830.5	1835.9	1884.1	2484.5	4687.6	6893.3	8533.6	9029.4
27.5°	1752.8	1752.8	1779.6	2002.1	4108.7	6812.9	8721.2	9206.3
30°	1675.1	1675.1	1693.9	1771.6	3430.6	6654.8	8946.3	9436.8
32.5°	1594.7	1594.7	1610.8	1667.1	2739.1	6456.5	9152.7	9670.0
35°	1514.3	1508.9	1530.4	1589.3	2179.0	6204.5	9359.1	9921.9
37.5°	1428.5	1425.8	1447.3	1514.3	1881.5	5912.4	9514.5	10265.0
40°	1337.4	1337.4	1361.5	1433.9	1795.7	5545.2	9761.1	10758.1
42.5°	1254.3	1248.9	1275.8	1364.2	1731.4	5194.1	10203.3	11476.4
45°	1173.9	1163.2	1187.3	1297.2	1618.8	5070.8	11028.8	12537.7
47.5°	1098.9	1072.1	1093.5	1216.8	1517.0	5531.8	12379.6	14009.1
50°	1037.2	986.3	1005.1	1136.4	1439.2	6531.5	14132.4	15963.0
52.5°	972.9	905.9	916.6	1037.2	1369.6	7483.0	16032.6	18541.3
55°	905.9	830.8	836.2	938.1	1270.4	7625.0	17887.3	22057.6
57.5°	830.8	761.2	761.2	846.9	1198.0	6609.2	19313.1	26420.9
60°	747.8	702.2	688.8	774.6	1262.3	4663.5	19479.3	29235.1
62.5°	656.6	632.5	613.8	704.9	1310.6	2763.2	18141.9	28554.3
65°	552.1	546.8	533.3	774.6	1104.2	1632.2	15574.3	26466.5
67.5°	463.7	455.6	455.6	812.1	838.9	1026.5	12167.9	23593.3
70°	399.3	369.9	369.9	613.8	509.2	710.2	8496.1	20492.4
72.5°	335.0	302.9	281.4	490.5	380.6	519.9	5309.4	17549.6
75°	268.0	243.9	217.1	324.3	284.1	394.0	3084.9	14539.8
77.5°	193.0	182.3	152.8	238.5	206.4	284.1	1835.9	11219.1
80°	99.2	101.8	96.5	136.7	139.4	193.0	1045.3	7678.6
82.5°	59.0	45.6	50.9	67.0	80.4	109.9	394.0	4513.4
85°	37.5	24.1	24.1	32.2	40.2	42.9	120.6	1830.5
87.5°	18.8	8.0	10.7	16.1	13.4	10.7	5.4	461.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)