

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: P952693

Luminaire Tested: **GALN-SB6C-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952693
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-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 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: 28632 lumens
Efficiency: N/A
Efficacy: 95.2 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): 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



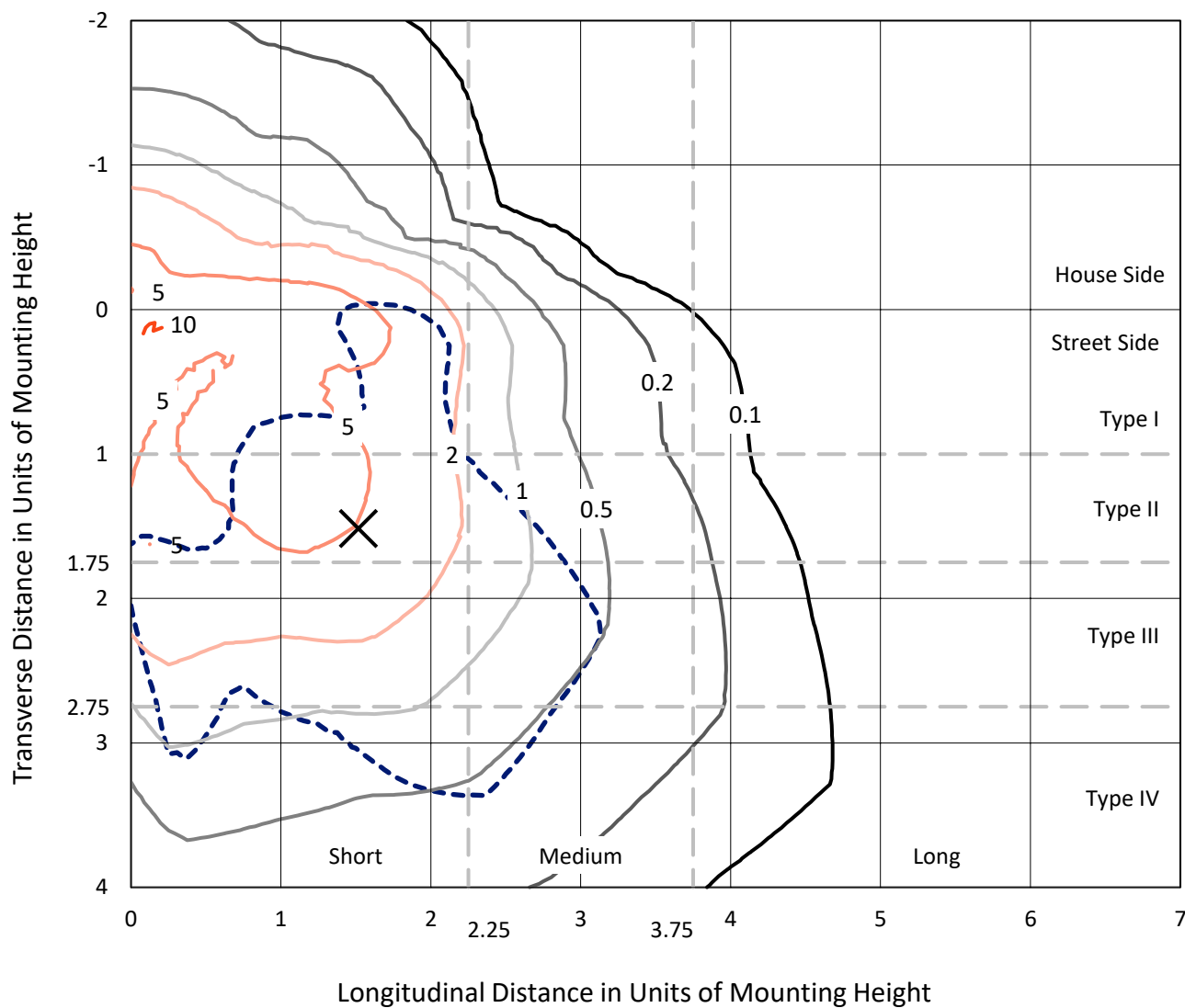
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

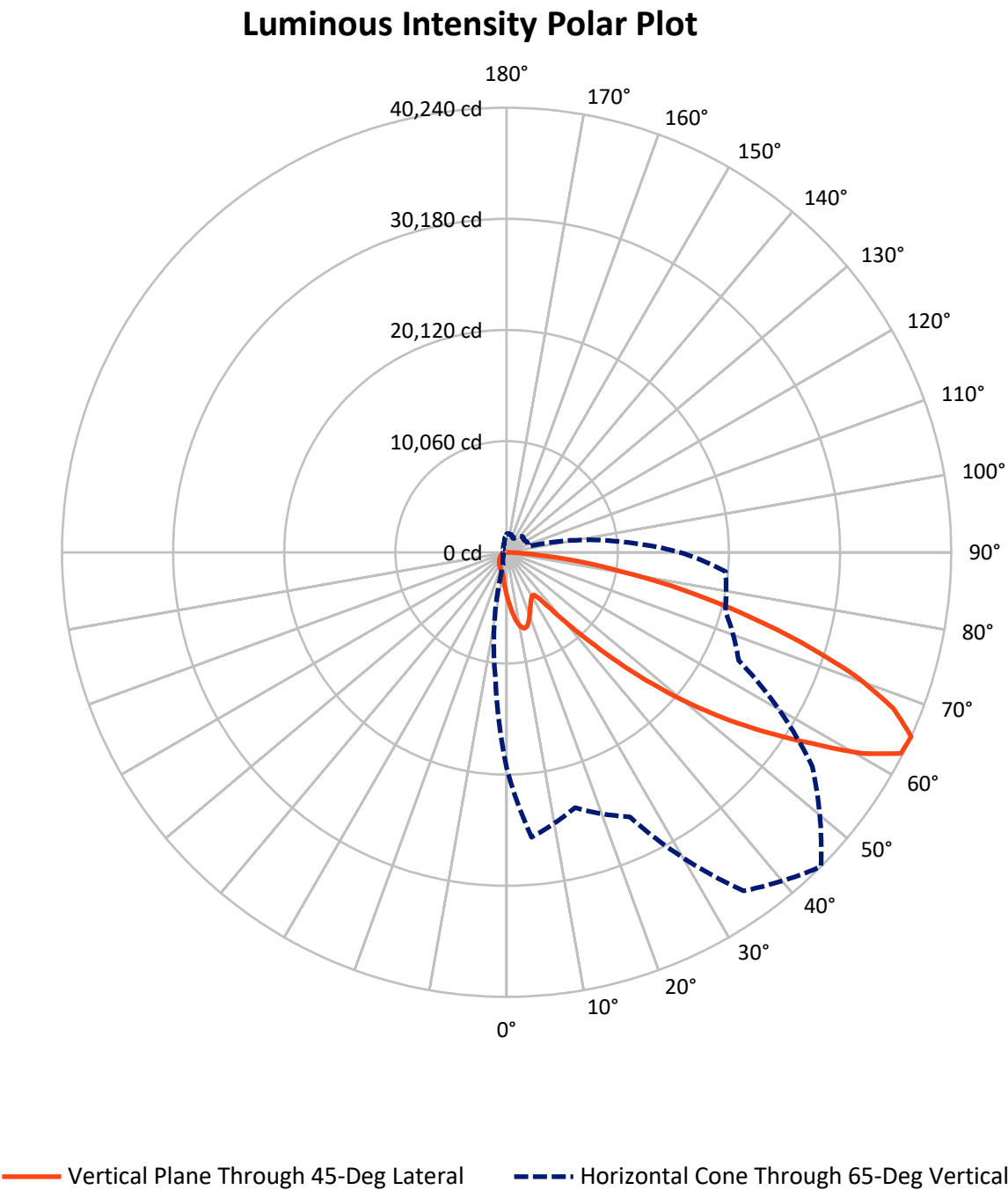
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc

Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5691.2	0.0	5691.2
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	22940.8	0.0	22940.8
	% Fixture	80.1	0.0	80.1
Total	Lumens	28632.0	0.0	28632.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.3	1.4
10°-20°	1170.1	4.1
20°-30°	1723.8	6.0
30°-40°	2214.6	7.7
40°-50°	3581.7	12.5
50°-60°	6280.8	21.9
60°-70°	7859.0	27.4
70°-80°	4592.4	16.0
80°-90°	819.4	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°	28632.0	100.0
0°-180°	28632.0	100.0

Coefficient of Utilization



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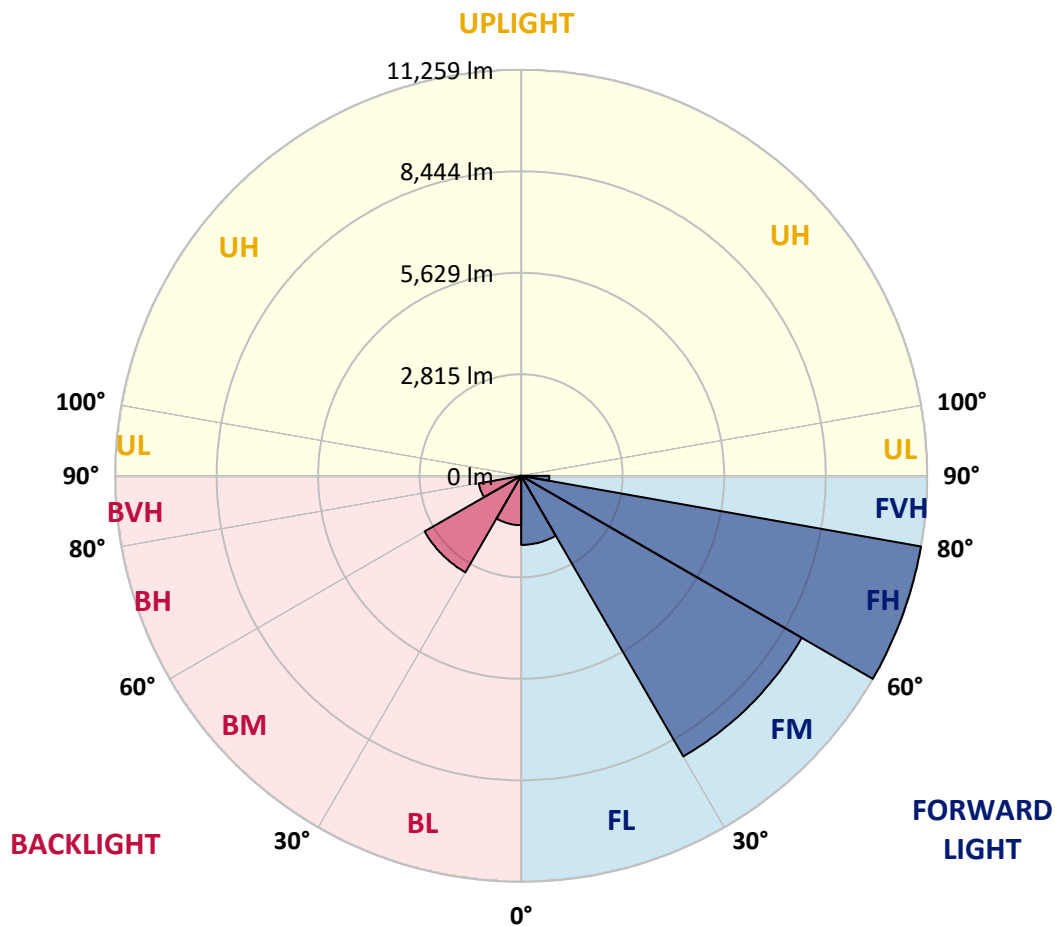
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1915.8	6.7			
FM	(30°-60°)	8985.1	31.4			
FH	(60°-80°)	11259.0	39.3			G4/12000
FVH	(80°-90°)	781.0	2.7			G5
BL	(0°-30°)	1368.4	4.8	B3/2500		
BM	(30°-60°)	3092.0	10.8	B3/5000		
BH	(60°-80°)	1192.4	4.2	B3/2500		G3/2500
BVH	(80°-90°)	38.4	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°	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6
2.5°	4441.9	4475.5	4550.4	4589.9	4651.0	4655.0	4655.0	4601.7	4599.7	4491.3	4479.4
5°	4964.6	5043.5	5221.1	5404.5	5444.0	5453.8	5434.1	5327.6	5248.7	5037.6	4992.3
7.5°	5483.4	5635.3	5905.5	6150.1	6229.0	6229.0	6181.6	6008.1	5846.3	5540.6	5426.2
10°	5913.4	6104.7	6471.6	6745.8	6836.5	6816.8	6720.1	6501.2	6278.3	5907.5	5757.6
12.5°	6197.4	6412.4	6814.8	7035.7	7128.4	7077.1	6966.7	6753.7	6518.9	6128.4	5958.8
15°	6339.4	6564.3	6913.4	7029.8	7004.2	6950.9	6937.1	6834.5	6657.0	6292.1	6106.7
17.5°	6400.6	6609.7	6852.3	6779.3	6562.3	6520.9	6659.0	6789.2	6745.8	6434.1	6260.5
20°	6457.8	6633.3	6706.3	6382.8	6004.1	5966.6	6231.0	6601.8	6791.1	6566.3	6406.5
22.5°	6536.7	6645.2	6495.3	5964.7	5556.4	5469.6	5761.5	6319.7	6804.9	6733.9	6574.2
25°	6645.2	6674.8	6262.5	5568.2	5157.9	5071.2	5343.4	6006.1	6781.3	6915.4	6779.3
27.5°	6775.4	6714.2	6039.6	5236.8	4840.4	4759.5	5031.7	5704.3	6714.2	7096.9	7000.2
30°	6945.0	6765.5	5818.7	4980.4	4613.6	4554.4	4816.7	5444.0	6631.4	7327.6	7274.4
32.5°	7116.6	6787.2	5613.6	4830.5	4562.3	4584.0	4799.0	5303.9	6540.6	7548.5	7574.2
35°	7302.0	6856.2	5513.0	4978.5	4990.3	5179.6	5268.4	5434.1	6526.8	7848.4	7949.0
37.5°	7554.5	7010.1	5633.3	5714.2	6124.4	6517.0	6444.0	6071.2	6686.6	8296.1	8483.5
40°	7917.4	7280.3	6158.0	6966.7	7808.9	8446.0	8167.9	7229.0	7175.8	8941.1	9221.2
42.5°	8446.0	7710.3	7089.0	8497.3	9925.3	10974.7	10229.1	8722.2	8031.8	9862.2	10219.2
45°	9227.1	8406.6	8215.2	10112.7	12534.9	14187.8	12637.5	10313.9	9231.0	11256.7	11536.8
47.5°	10310.0	9430.3	9270.5	11814.9	15706.6	17844.7	15308.2	11789.3	10596.0	13158.2	13223.3
50°	11747.9	10809.0	10270.5	13676.9	19184.0	21572.6	17976.9	13213.4	12160.1	15481.7	15406.8
52.5°	13645.4	12732.1	11436.2	15450.2	22760.1	25221.7	20657.4	14463.9	14101.0	18178.1	18024.2
55°	16233.2	15625.7	13030.0	17142.5	26334.1	28892.4	23233.4	15643.5	16665.2	21381.3	20450.3
57.5°	19444.4	19878.3	15327.9	19105.1	29547.2	32675.5	25821.3	17292.4	19994.7	24963.3	21858.6
60°	21515.4	25533.3	19728.4	22006.6	33198.2	36953.8	29367.7	20428.6	23493.8	26247.3	21590.4
62.5°	21014.4	27332.2	24998.8	25710.8	36555.3	40064.3	32843.2	23578.6	24152.6	24355.8	19523.3
65°	19477.9	25880.5	23923.8	26430.8	37405.5	40239.9	33772.2	23172.3	20487.8	19884.2	15692.8
67.5°	17363.4	24158.5	21369.5	24521.4	35868.9	37786.1	32042.4	20497.7	15832.8	14921.6	11385.0
70°	15081.3	22253.1	19692.9	22379.4	32939.8	33509.9	29101.5	18028.2	11645.3	10077.2	7305.9
72.5°	12915.6	20268.9	18544.9	20184.0	29032.4	27852.9	25272.9	15844.7	8479.5	7268.5	5193.4
75°	10700.5	17341.7	16909.8	17576.5	23894.2	21939.5	20998.7	13118.7	6655.0	5258.5	3583.9
77.5°	8256.7	13550.7	14544.8	14075.4	16819.0	16296.3	16276.6	9858.3	4862.1	3509.0	2246.6
80°	5651.1	9444.1	11363.3	9929.3	10915.5	10649.2	12258.7	6613.6	3526.7	2112.5	1250.5
82.5°	3321.6	5749.7	7909.5	4806.9	6035.7	6195.5	7300.0	3217.1	2075.0	487.2	272.2
85°	1347.2	2270.3	3092.8	1881.7	2911.3	2455.7	2771.3	903.4	577.9	11.8	0.0
87.5°	339.3	725.9	508.9	211.1	337.3	309.7	244.6	110.5	23.7	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	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6
2.5°	4402.5	4357.1	4244.7	4132.3	4041.5	3919.2	3838.4	3741.7	3649.0	3566.2	3550.4
5°	4868.0	4718.1	4513.0	4325.6	4134.2	3948.8	3765.4	3572.1	3394.6	3286.1	3217.1
7.5°	5246.7	4982.4	4710.2	4471.5	4240.8	4023.8	3781.2	3546.5	3268.3	3120.4	2986.3
10°	5528.8	5181.6	4824.6	4550.4	4317.7	4106.6	3901.5	3664.8	3329.5	3144.1	2942.9
12.5°	5714.2	5301.9	4883.8	4570.2	4309.8	4146.1	4055.3	3962.6	3629.3	3412.3	3120.4
15°	5842.4	5386.7	4925.2	4524.8	4205.3	4084.9	4175.7	4282.2	4069.2	3818.7	3438.0
17.5°	5982.4	5497.2	4942.9	4402.5	4002.1	3950.8	4185.5	4432.1	4422.2	4173.7	3800.9
20°	6130.4	5593.9	4931.1	4205.3	3755.5	3800.9	4100.7	4386.7	4507.0	4372.9	4041.5
22.5°	6282.2	5686.6	4885.7	3948.8	3524.8	3666.8	3966.6	4217.1	4359.1	4317.7	4065.2
25°	6473.6	5816.7	4818.7	3672.7	3333.4	3530.7	3810.8	4013.9	4112.5	4110.6	3937.0
27.5°	6702.4	5990.3	4783.2	3449.8	3197.3	3376.8	3625.4	3806.8	3875.9	3875.9	3737.8
30°	6968.7	6195.5	4743.7	3303.8	3118.4	3217.1	3410.4	3587.9	3656.9	3656.9	3540.5
32.5°	7264.5	6392.7	4649.1	3215.1	3059.3	3061.2	3183.5	3345.3	3428.1	3439.9	3357.1
35°	7619.6	6603.7	4441.9	3144.1	2990.2	2909.4	2968.5	3102.7	3201.3	3226.9	3175.6
37.5°	8085.1	6862.1	4146.1	3039.5	2883.7	2749.6	2763.4	2866.0	2974.4	3013.9	2980.4
40°	8710.3	7165.9	3838.4	2889.6	2733.8	2574.0	2568.1	2643.1	2749.6	2793.0	2775.2
42.5°	9536.8	7530.8	3544.5	2745.6	2552.3	2388.6	2378.8	2437.9	2530.6	2576.0	2568.1
45°	10594.0	7978.5	3292.0	2633.2	2374.8	2213.1	2209.1	2258.5	2339.3	2386.7	2376.8
47.5°	12063.5	8426.3	3120.4	2574.0	2234.8	2069.1	2077.0	2120.4	2193.4	2226.9	2213.1
50°	13978.7	8562.4	3033.6	2574.0	2159.8	1940.9	1980.3	2015.8	2071.1	2090.8	2073.0
52.5°	15817.0	8112.7	2954.7	2589.8	2169.7	1832.4	1917.2	1942.9	1990.2	1998.1	1972.4
55°	16718.4	6974.6	2846.2	2593.8	2230.8	1739.7	1865.9	1913.3	1931.0	1929.1	1885.7
57.5°	16408.8	5639.2	2662.8	2578.0	2272.3	1680.5	1802.8	1893.5	1905.4	1887.6	1806.8
60°	15322.0	4152.0	2522.8	2461.6	2256.5	1662.8	1706.2	1850.2	1867.9	1844.2	1712.1
62.5°	13499.4	2881.7	2414.3	2205.2	2187.4	1656.9	1554.3	1755.5	1798.9	1765.3	1572.0
65°	10627.5	2035.6	2079.0	1933.0	2037.5	1625.3	1396.5	1641.1	1700.2	1649.0	1376.8
67.5°	7191.5	1469.5	1684.5	1751.5	1794.9	1554.3	1282.1	1510.9	1589.8	1522.7	1149.9
70°	3883.7	1031.6	1112.5	1475.4	1524.7	1432.0	1179.5	1378.7	1469.5	1396.5	936.9
72.5°	2294.0	741.6	779.1	1185.4	1270.3	1260.4	1065.1	1224.9	1335.3	1248.6	761.4
75°	1264.3	501.0	556.2	860.0	1031.6	972.4	915.2	1037.5	1149.9	1065.1	587.8
77.5°	566.1	299.8	386.6	564.1	810.7	666.7	708.1	808.7	913.2	824.5	392.5
80°	218.9	167.7	256.4	307.7	589.8	368.8	455.6	595.7	670.6	599.6	238.7
82.5°	27.6	75.0	110.5	120.3	343.2	195.3	264.3	374.8	368.8	319.5	120.3
85°	0.0	13.8	15.8	7.9	147.9	71.0	86.8	122.3	114.4	86.8	9.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	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°	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6
2.5°	3453.8	3382.7	3347.2	3317.7	3345.3	3361.0	3361.0	3428.1	3467.6	3483.3	3593.8
5°	3043.5	2911.3	2822.6	2769.3	2787.1	2806.8	2828.5	2913.3	2970.5	3008.0	3179.6
7.5°	2720.0	2518.8	2394.5	2329.5	2339.3	2353.1	2370.9	2453.7	2510.9	2560.2	2751.6
10°	2560.2	2276.2	2112.5	2033.6	2019.8	2011.9	2006.0	2055.3	2098.7	2138.1	2327.5
12.5°	2568.1	2171.7	1972.4	1875.8	1834.4	1787.0	1749.6	1757.4	1785.1	1834.4	1954.7
15°	2668.7	2138.1	1899.5	1779.1	1710.1	1654.9	1609.5	1599.7	1609.5	1617.4	1692.4
17.5°	2804.8	2134.2	1836.3	1686.4	1615.4	1570.1	1528.6	1514.8	1516.8	1526.7	1546.4
20°	2913.3	2122.4	1765.3	1597.7	1534.6	1495.1	1453.7	1439.9	1443.8	1445.8	1467.5
22.5°	2970.5	2104.6	1686.4	1508.9	1455.7	1416.2	1378.7	1376.8	1376.8	1388.6	1404.4
25°	2970.5	2067.1	1615.4	1424.1	1376.8	1341.3	1295.9	1303.8	1307.7	1323.5	1347.2
27.5°	2899.5	1996.1	1558.2	1351.1	1301.8	1266.3	1224.9	1234.8	1240.7	1258.4	1288.0
30°	2808.8	1911.3	1493.1	1282.1	1224.9	1199.2	1163.7	1167.7	1175.6	1195.3	1228.8
32.5°	2712.1	1810.7	1439.9	1213.1	1155.9	1136.1	1096.7	1102.6	1110.5	1132.2	1169.7
35°	2605.6	1692.4	1376.8	1149.9	1092.7	1077.0	1031.6	1035.5	1047.4	1071.0	1108.5
37.5°	2493.2	1595.7	1313.6	1088.8	1029.6	1013.8	966.5	970.4	984.3	1011.9	1047.4
40°	2382.7	1501.0	1246.6	1023.7	964.5	950.7	899.4	903.4	919.2	948.7	986.2
42.5°	2262.4	1428.1	1159.8	956.6	893.5	879.7	832.4	838.3	856.0	885.6	923.1
45°	2118.4	1380.7	1063.1	893.5	822.5	808.7	765.3	777.1	796.9	826.5	865.9
47.5°	1970.5	1361.0	982.3	826.5	749.5	737.7	702.2	721.9	743.6	767.3	810.7
50°	1828.5	1335.3	899.4	763.3	686.4	674.6	650.9	676.5	698.2	719.9	761.4
52.5°	1666.7	1280.1	824.5	708.1	633.2	629.2	617.4	641.0	660.8	680.5	716.0
55°	1499.1	1191.4	759.4	658.8	587.8	591.7	585.8	605.5	621.3	639.1	670.6
57.5°	1353.1	1078.9	708.1	605.5	548.3	560.2	552.3	562.1	572.0	593.7	619.3
60°	1205.2	944.8	650.9	542.4	508.9	522.7	501.0	499.0	503.0	508.9	556.2
62.5°	1005.9	804.8	579.9	487.2	465.5	471.4	430.0	398.4	398.4	404.4	475.4
65°	808.7	674.6	501.0	424.1	406.3	402.4	343.2	299.8	295.9	313.6	374.8
67.5°	664.7	560.2	422.1	353.1	341.2	345.2	301.8	258.4	254.4	274.2	319.5
70°	550.3	451.7	337.3	272.2	284.0	301.8	258.4	217.0	211.1	228.8	272.2
72.5°	437.9	353.1	258.4	201.2	234.7	256.4	211.1	171.6	167.7	183.4	224.9
75°	321.5	252.5	175.5	146.0	181.5	201.2	153.9	122.3	116.4	130.2	171.6
77.5°	199.2	142.0	110.5	86.8	124.3	134.1	80.9	71.0	69.0	78.9	108.5
80°	92.7	61.1	53.3	29.6	45.4	53.3	33.5	37.5	39.4	47.3	67.1
82.5°	25.6	9.9	2.0	0.0	0.0	15.8	7.9	15.8	19.7	29.6	43.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	9.9	17.8	31.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	15.8
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°	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6	3964.6
2.5°	3676.6	3755.5	3881.8	4012.0	4140.2	4270.3	4396.6	4441.9
5°	3335.4	3516.9	3767.4	4035.6	4311.8	4591.9	4848.3	4964.6
7.5°	2954.7	3215.1	3591.8	4012.0	4451.8	4891.7	5296.0	5483.4
10°	2548.4	2877.8	3307.8	3875.9	4507.0	5114.6	5670.8	5913.4
12.5°	2161.8	2507.0	2982.3	3662.8	4463.6	5242.8	5911.4	6197.4
15°	1838.3	2144.0	2656.9	3410.4	4323.6	5250.7	6025.8	6339.4
17.5°	1595.7	1794.9	2325.5	3130.3	4140.2	5177.7	6065.3	6400.6
20°	1475.4	1530.6	1895.5	2771.3	3968.6	5108.6	6104.7	6457.8
22.5°	1404.4	1418.2	1550.3	2307.8	3763.4	5086.9	6173.8	6536.7
25°	1347.2	1351.1	1386.6	1828.5	3449.8	5073.1	6280.3	6645.2
27.5°	1290.0	1290.0	1309.7	1473.4	3023.8	5014.0	6418.3	6775.4
30°	1232.8	1232.8	1246.6	1303.8	2524.7	4897.6	6584.0	6945.0
32.5°	1173.6	1173.6	1185.4	1226.9	2015.8	4751.6	6735.9	7116.6
35°	1114.4	1110.5	1126.3	1169.7	1603.6	4566.2	6887.8	7302.0
37.5°	1051.3	1049.3	1065.1	1114.4	1384.7	4351.2	7002.2	7554.5
40°	984.3	984.3	1002.0	1055.3	1321.5	4081.0	7183.6	7917.4
42.5°	923.1	919.2	938.9	1004.0	1274.2	3822.6	7509.1	8446.0
45°	863.9	856.0	873.8	954.7	1191.4	3731.9	8116.6	9227.1
47.5°	808.7	789.0	804.8	895.5	1116.4	4071.1	9110.7	10310.0
50°	763.3	725.9	739.7	836.3	1059.2	4806.9	10400.7	11747.9
52.5°	716.0	666.7	674.6	763.3	1007.9	5507.1	11799.2	13645.4
55°	666.7	611.5	615.4	690.4	934.9	5611.6	13164.1	16233.2
57.5°	611.5	560.2	560.2	623.3	881.7	4864.1	14213.4	19444.4
60°	550.3	516.8	506.9	570.0	929.0	3432.1	14335.7	21515.4
62.5°	483.2	465.5	451.7	518.8	964.5	2033.6	13351.5	21014.4
65°	406.3	402.4	392.5	570.0	812.6	1201.2	11461.9	19477.9
67.5°	341.2	335.3	335.3	597.7	617.4	755.4	8954.9	17363.4
70°	293.9	272.2	272.2	451.7	374.8	522.7	6252.7	15081.3
72.5°	246.6	222.9	207.1	361.0	280.1	382.7	3907.4	12915.6
75°	197.2	179.5	159.8	238.7	209.1	289.9	2270.3	10700.5
77.5°	142.0	134.1	112.4	175.5	151.9	209.1	1351.1	8256.7
80°	73.0	75.0	71.0	100.6	102.6	142.0	769.3	5651.1
82.5°	43.4	33.5	37.5	49.3	59.2	80.9	289.9	3321.6
85°	27.6	17.8	17.8	23.7	29.6	31.6	88.8	1347.2
87.5°	13.8	5.9	7.9	11.8	9.9	7.9	3.9	339.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)