

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: P942118

Luminaire Tested: **GALN-SB6A-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17014 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 170.9
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



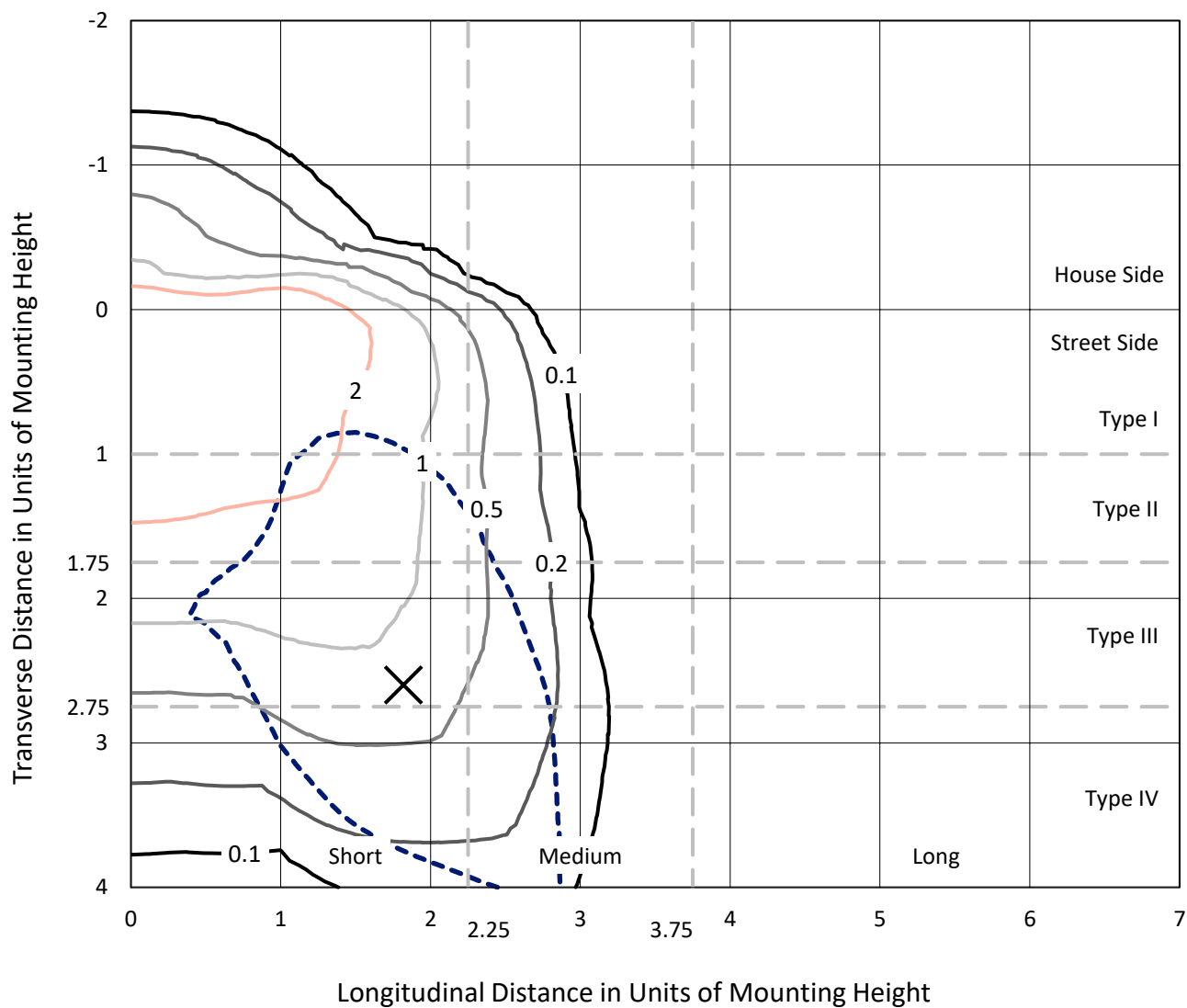
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Iso-Footcandle Lines of Horizontal Illumination

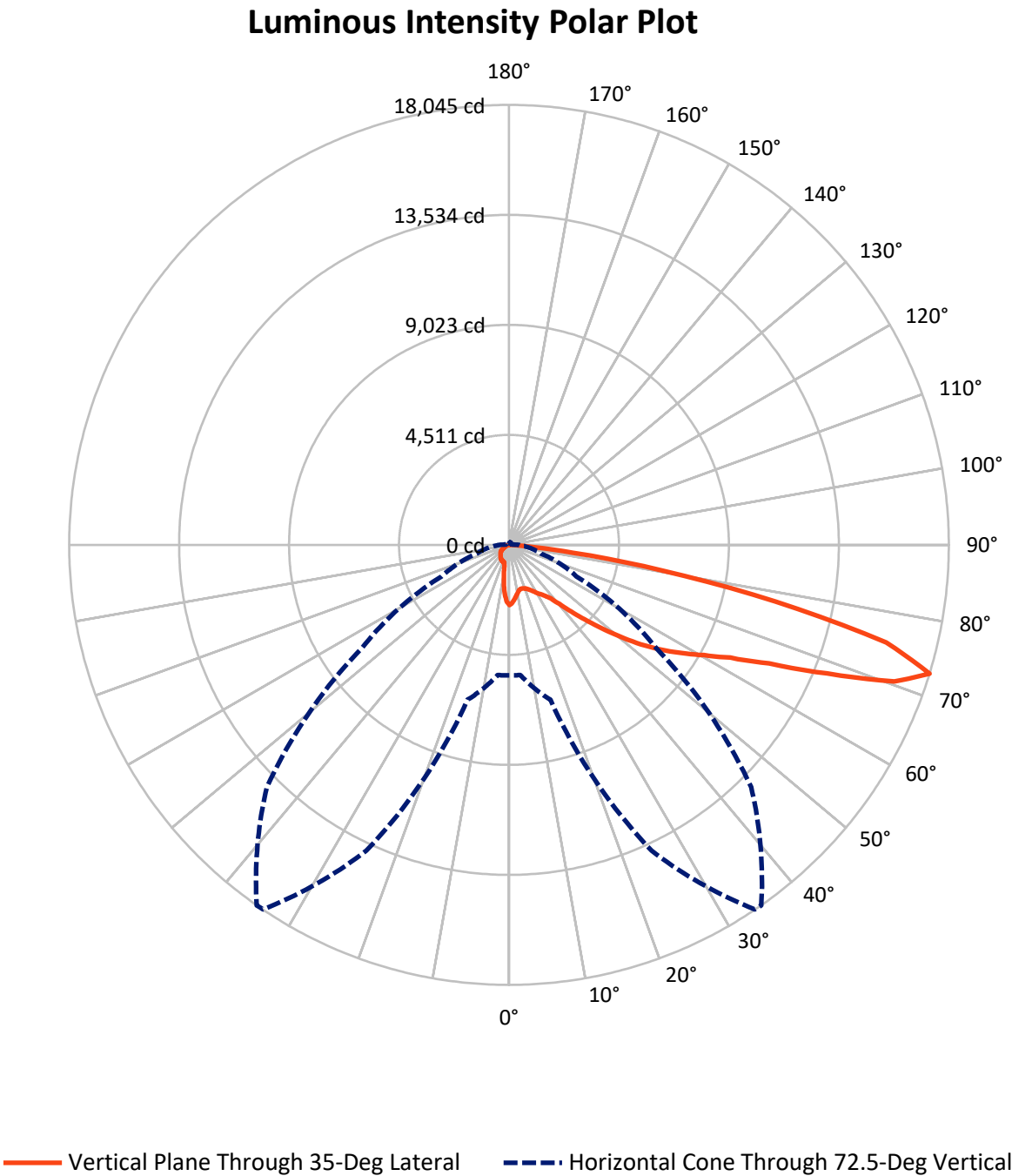
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
Type IV - Short - N/A

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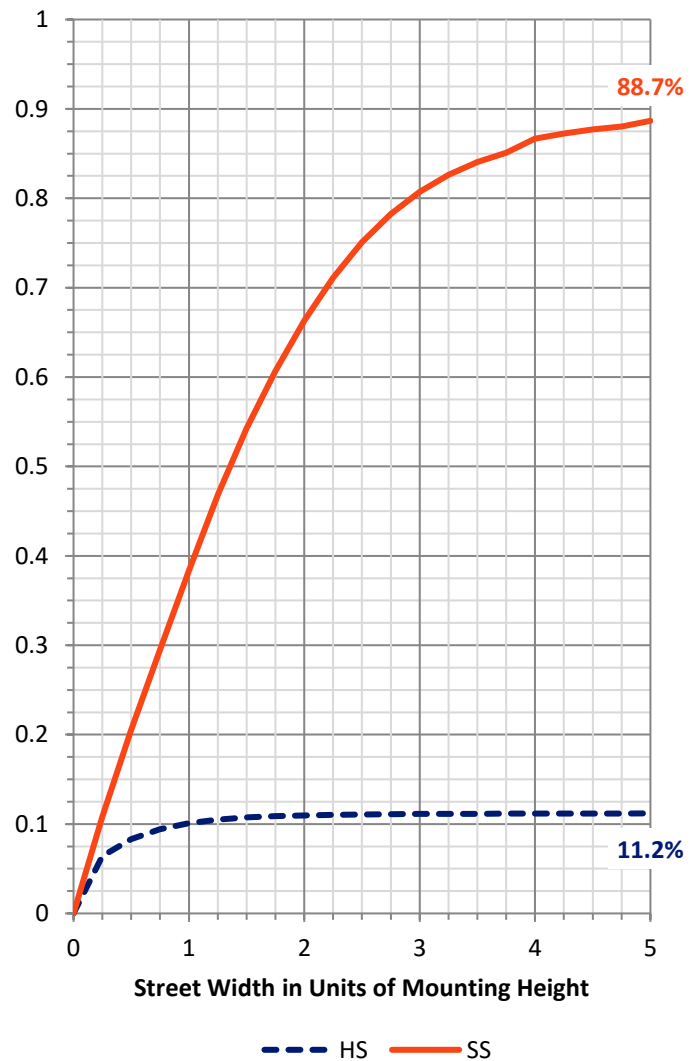
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1914.8	0.0	1914.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	15099.1	0.0	15099.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	17014.0	0.0	17014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.6	1.2
10°-20°	474.0	2.8
20°-30°	770.1	4.5
30°-40°	1284.8	7.6
40°-50°	2430.9	14.3
50°-60°	3862.7	22.7
60°-70°	4778.5	28.1
70°-80°	2970.3	17.5
80°-90°	240.0	1.4
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°	17014.0	100.0
0°-180°	17014.0	100.0

Coefficient of Utilization



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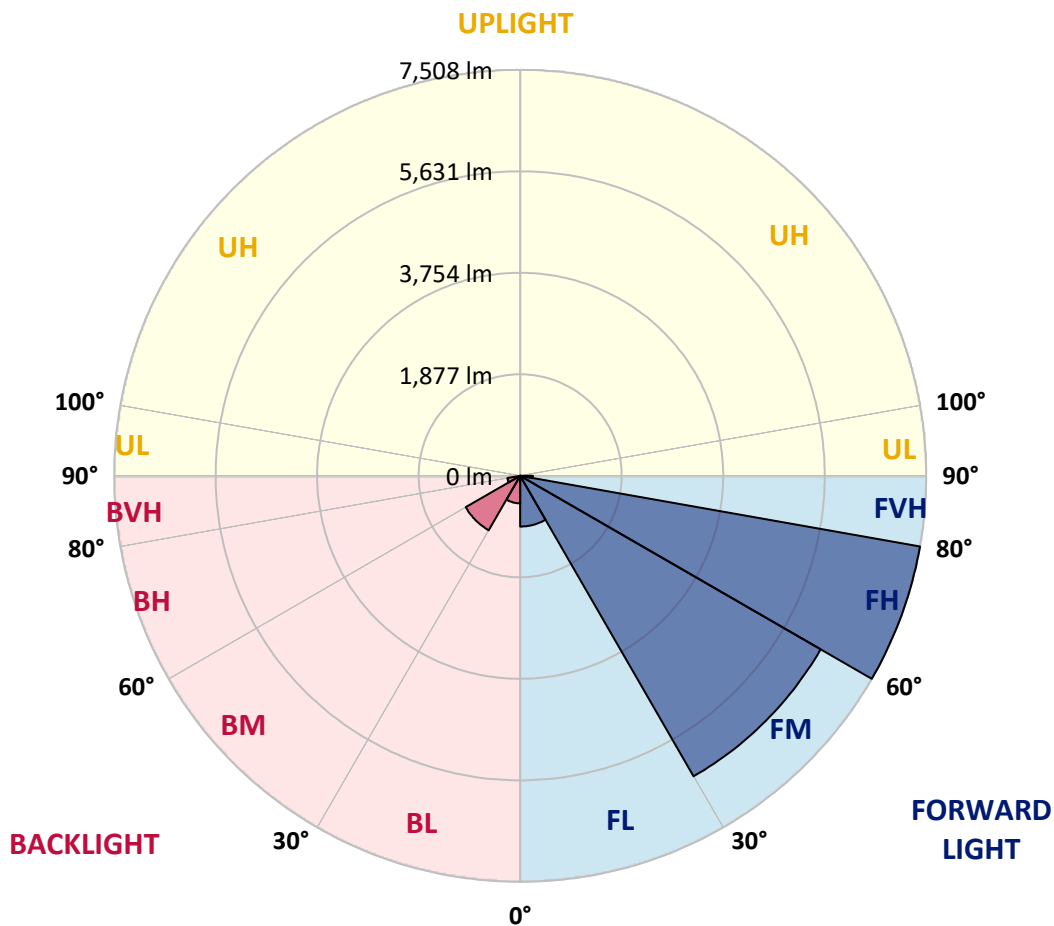
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	937.9	5.5			
FM	(30°-60°)	6416.0	37.7			
FH	(60°-80°)	7508.5	44.1			G4/12000
FVH	(80°-90°)	236.8	1.4			G3/500
BL	(0°-30°)	508.8	3.0	B2/1000		
BM	(30°-60°)	1162.5	6.8	B2/2500		
BH	(60°-80°)	240.3	1.4	B1/500		G1/500
BVH	(80°-90°)	3.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9
2.5°	2356.2	2376.1	2379.9	2386.1	2386.1	2393.6	2406.1	2423.5	2452.2	2467.1	2477.1
5°	2171.7	2186.6	2205.3	2220.3	2249.0	2252.7	2301.3	2348.7	2414.8	2464.7	2499.6
7.5°	1985.9	2003.4	2028.3	2064.5	2101.9	2113.1	2186.6	2266.4	2371.2	2464.7	2523.2
10°	1855.0	1856.3	1878.7	1914.9	1974.7	1988.4	2078.2	2191.6	2322.5	2449.7	2545.7
12.5°	1781.5	1790.2	1800.2	1827.6	1885.0	1893.7	1989.7	2123.1	2273.9	2441.0	2571.9
15°	1781.5	1787.7	1793.9	1807.7	1853.8	1861.3	1946.0	2079.4	2249.0	2444.7	2614.3
17.5°	1800.2	1810.2	1805.2	1821.4	1870.0	1875.0	1949.8	2067.0	2247.7	2468.4	2679.1
20°	1845.1	1852.5	1842.6	1852.5	1901.2	1911.1	1988.4	2090.7	2268.9	2509.5	2760.1
22.5°	1916.1	1919.9	1896.2	1903.7	1953.5	1966.0	2055.7	2158.0	2320.0	2575.6	2868.6
25°	2005.9	2013.4	1977.2	1985.9	2033.3	2048.3	2151.7	2259.0	2401.1	2666.6	3007.0
27.5°	2109.4	2113.1	2081.9	2080.7	2141.8	2163.0	2267.7	2383.6	2509.5	2781.3	3181.5
30°	2227.8	2239.0	2209.1	2204.1	2281.4	2298.8	2402.3	2537.0	2669.1	2953.3	3429.6
32.5°	2321.3	2330.0	2312.6	2325.0	2403.6	2417.3	2565.6	2753.9	2919.7	3197.7	3767.4
35°	2455.9	2460.9	2421.0	2443.5	2533.2	2568.1	2788.8	3058.1	3235.1	3504.4	4208.7
37.5°	2943.4	2943.4	2773.8	2662.9	2748.9	2780.1	3094.2	3440.8	3624.0	3915.8	4764.7
40°	3617.8	3606.6	3358.5	3131.6	3120.4	3181.5	3529.3	3923.2	4126.5	4409.4	5390.6
42.5°	4337.1	4319.7	3981.8	3757.4	3720.0	3741.2	4031.7	4517.9	4724.9	5011.6	6063.8
45°	4975.4	4970.4	4661.3	4359.6	4292.3	4359.6	4658.8	5213.5	5361.9	5663.6	6735.7
47.5°	5510.2	5510.2	5284.6	5087.6	5052.7	5092.6	5507.8	5985.2	5971.5	6358.0	7390.2
50°	6126.1	6121.1	5906.7	5821.9	5858.1	5914.2	6485.1	6798.1	6602.3	7039.9	7974.9
52.5°	6557.4	6587.4	6513.8	6500.1	6684.6	6781.8	7477.5	7593.4	7167.1	7686.9	8412.5
55°	6899.0	6933.9	7018.7	7114.7	7470.0	7597.2	8438.7	8347.7	7639.5	8247.9	8664.3
57.5°	7382.7	7332.9	7463.8	7653.3	8228.0	8381.3	9369.9	9059.5	8019.8	8703.0	8691.7
60°	7969.9	7977.4	7999.8	8239.2	8984.7	9181.7	10287.5	9732.7	8264.1	8982.2	8387.5
62.5°	8675.5	8686.7	8732.9	9100.6	10000.7	10186.5	11264.8	10283.7	8376.3	8903.7	7602.1
65°	8626.9	8674.3	9189.2	10447.0	11545.3	11728.6	12405.5	10670.2	8206.8	8185.6	6189.7
67.5°	7859.0	7936.3	8797.7	12055.2	13874.1	14078.6	13784.4	10746.2	7475.0	6365.5	4037.9
70°	6851.7	6879.1	7915.1	13501.4	16570.6	16777.6	15018.5	9909.7	5672.3	3550.5	1808.9
72.5°	5350.7	5356.9	6572.4	13836.7	18034.2	18045.4	14049.9	7356.6	3050.6	1363.8	628.3
75°	3822.3	3784.9	4402.0	11221.2	15866.3	15993.4	10533.1	3450.8	1165.6	644.5	312.9
77.5°	2049.5	2090.7	2490.8	6654.7	10960.7	11177.6	5747.1	994.8	593.4	438.8	206.9
80°	633.3	668.2	1021.0	3046.8	6208.4	6339.3	2130.5	442.6	413.9	312.9	135.9
82.5°	199.5	206.9	476.2	1280.3	2576.9	2636.7	617.1	250.6	283.0	206.9	79.8
85°	57.3	58.6	211.9	477.5	637.0	649.5	173.3	97.2	162.1	128.4	41.1
87.5°	6.2	19.9	79.8	79.8	56.1	54.9	18.7	21.2	46.1	16.2	7.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9	2465.9
2.5°	2470.9	2472.1	2455.9	2428.5	2398.6	2373.6	2342.5	2317.5	2300.1	2295.1	2303.8
5°	2488.3	2479.6	2433.5	2350.0	2250.2	2164.2	2068.2	1992.2	1942.3	1921.1	1928.6
7.5°	2514.5	2489.6	2388.6	2224.0	2033.3	1863.8	1691.7	1558.3	1473.6	1431.2	1437.4
10°	2537.0	2487.1	2313.8	2042.0	1750.3	1493.5	1261.6	1100.8	1011.0	968.7	969.9
12.5°	2558.2	2485.8	2216.6	1826.4	1431.2	1117.0	901.3	821.6	796.6	787.9	785.4
15°	2598.0	2489.6	2094.4	1579.5	1113.3	844.0	765.5	764.2	769.2	766.7	765.5
17.5°	2652.9	2493.3	1956.0	1317.7	859.0	744.3	740.5	751.7	759.2	755.5	754.2
20°	2724.0	2508.3	1808.9	1058.4	738.0	719.3	728.1	738.0	744.3	738.0	736.8
22.5°	2823.7	2534.5	1648.1	850.2	699.4	704.4	711.8	723.1	729.3	720.6	719.3
25°	2945.9	2575.6	1489.8	739.3	680.7	686.9	698.1	710.6	718.1	709.4	708.1
27.5°	3104.2	2641.7	1343.9	714.3	662.0	665.7	681.9	700.6	710.6	699.4	699.4
30°	3333.6	2750.1	1218.0	725.6	650.8	642.0	664.5	690.7	701.9	691.9	690.7
32.5°	3637.8	2903.5	1140.7	743.0	645.8	614.6	635.8	669.5	688.2	681.9	681.9
35°	4036.7	3136.6	1110.8	763.0	642.0	585.9	600.9	637.0	669.5	675.7	675.7
37.5°	4520.4	3460.7	1119.5	771.7	630.8	562.2	569.7	600.9	643.3	663.2	668.2
40°	5070.2	3838.5	1169.4	763.0	618.3	542.3	543.5	567.2	604.6	634.6	644.5
42.5°	5637.4	4279.8	1261.6	730.5	607.1	524.8	521.1	537.3	562.2	583.4	592.2
45°	6177.2	4733.6	1352.6	685.7	593.4	507.4	498.7	504.9	509.9	518.6	523.6
47.5°	6648.5	5052.7	1326.4	644.5	574.7	487.4	472.5	470.0	455.0	453.8	452.5
50°	6973.8	5122.5	1178.1	603.4	547.3	465.0	441.3	426.4	400.2	387.7	389.0
52.5°	7077.3	4847.0	962.4	562.2	502.4	435.1	401.4	377.7	345.3	334.1	332.9
55°	6940.2	4307.2	769.2	512.4	440.1	395.2	357.8	326.6	300.4	286.7	286.7
57.5°	6604.8	3620.3	608.4	453.8	374.0	350.3	312.9	281.7	259.3	245.6	243.1
60°	6048.8	2874.8	481.2	384.0	319.1	301.7	263.0	243.1	223.2	206.9	203.2
62.5°	5204.8	2052.0	377.7	304.2	266.8	246.8	224.4	209.4	185.8	163.3	159.6
65°	4061.6	1255.4	291.7	223.2	214.4	204.5	190.7	177.0	148.4	125.9	122.2
67.5°	2561.9	594.7	208.2	168.3	169.5	164.6	158.3	147.1	125.9	106.0	103.5
70°	1128.2	288.0	137.1	128.4	125.9	125.9	130.9	127.2	107.2	88.5	84.8
72.5°	384.0	154.6	102.2	97.2	91.0	89.8	109.7	106.0	86.0	68.6	64.8
75°	200.7	103.5	74.8	69.8	54.9	66.1	87.3	82.3	61.1	44.9	41.1
77.5°	130.9	73.6	51.1	44.9	31.2	43.6	64.8	57.3	36.2	22.4	19.9
80°	82.3	48.6	29.9	21.2	15.0	23.7	34.9	24.9	13.7	5.0	3.7
82.5°	43.6	24.9	11.2	7.5	6.2	7.5	8.7	6.2	2.5	0.0	0.0
85°	17.5	8.7	3.7	2.5	1.2	0.0	2.5	1.2	0.0	0.0	0.0
87.5°	6.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

(END OF REPORT)