

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: P952341

Luminaire Tested: **GALN-SB6B-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28732 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

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

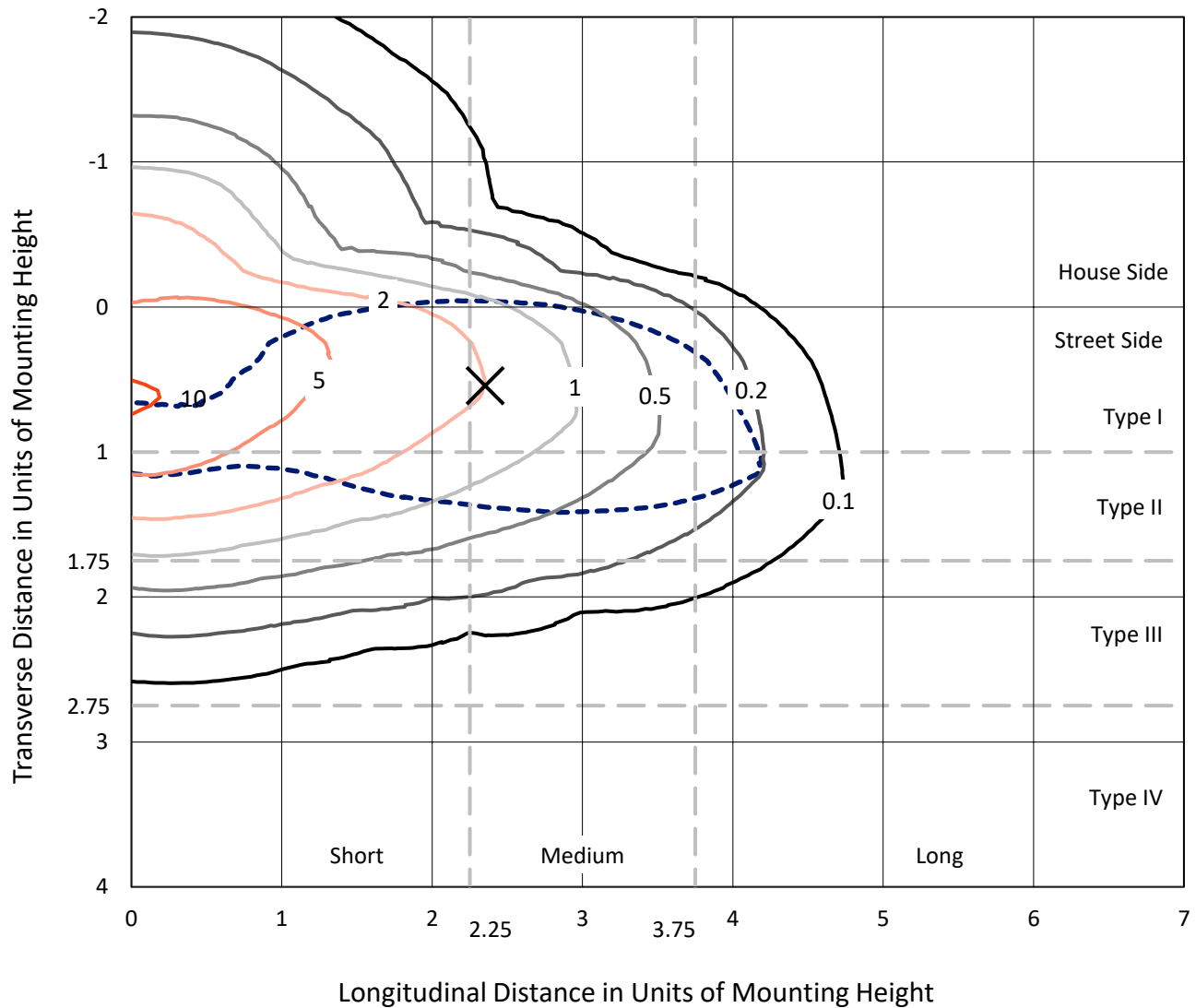


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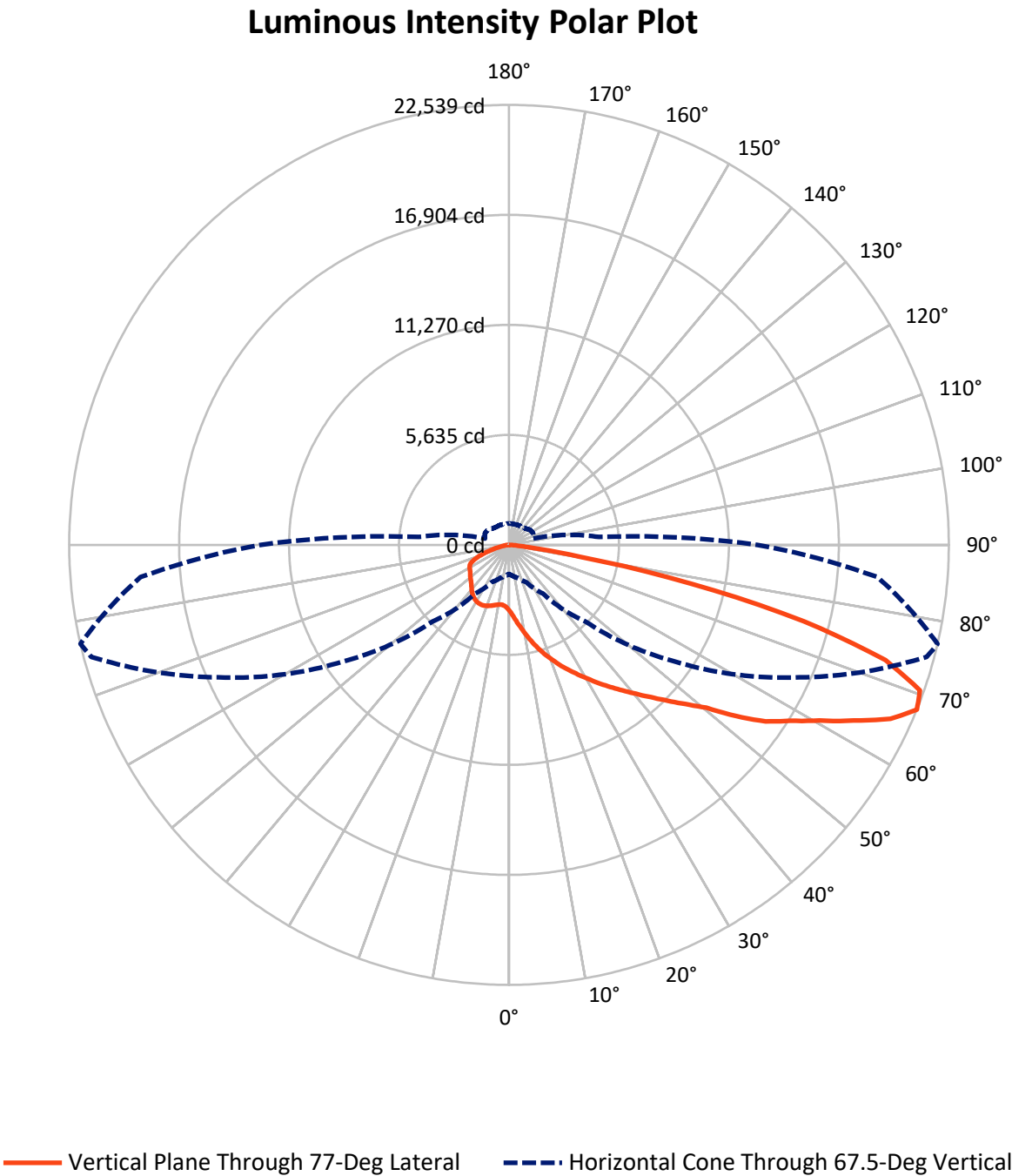
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
Type II - Medium - N/A

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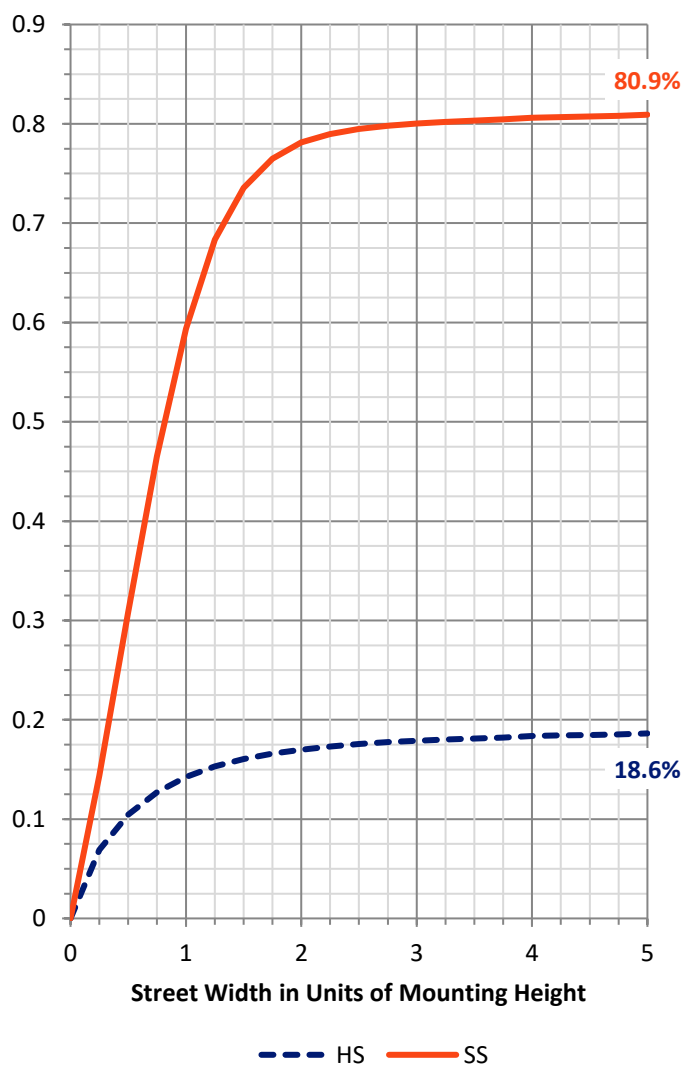
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5434.9	0.0	5434.9
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	23297.1	0.0	23297.1
	% Fixture	81.1	0.0	81.1
Total	Lumens	28732.0	0.0	28732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.3	1.3
10°-20°	1298.2	4.5
20°-30°	2451.0	8.5
30°-40°	3948.6	13.7
40°-50°	5401.0	18.8
50°-60°	6092.3	21.2
60°-70°	5686.4	19.8
70°-80°	3117.1	10.8
80°-90°	376.0	1.3
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°	28732.0	100.0
0°-180°	28732.0	100.0

Coefficient of Utilization



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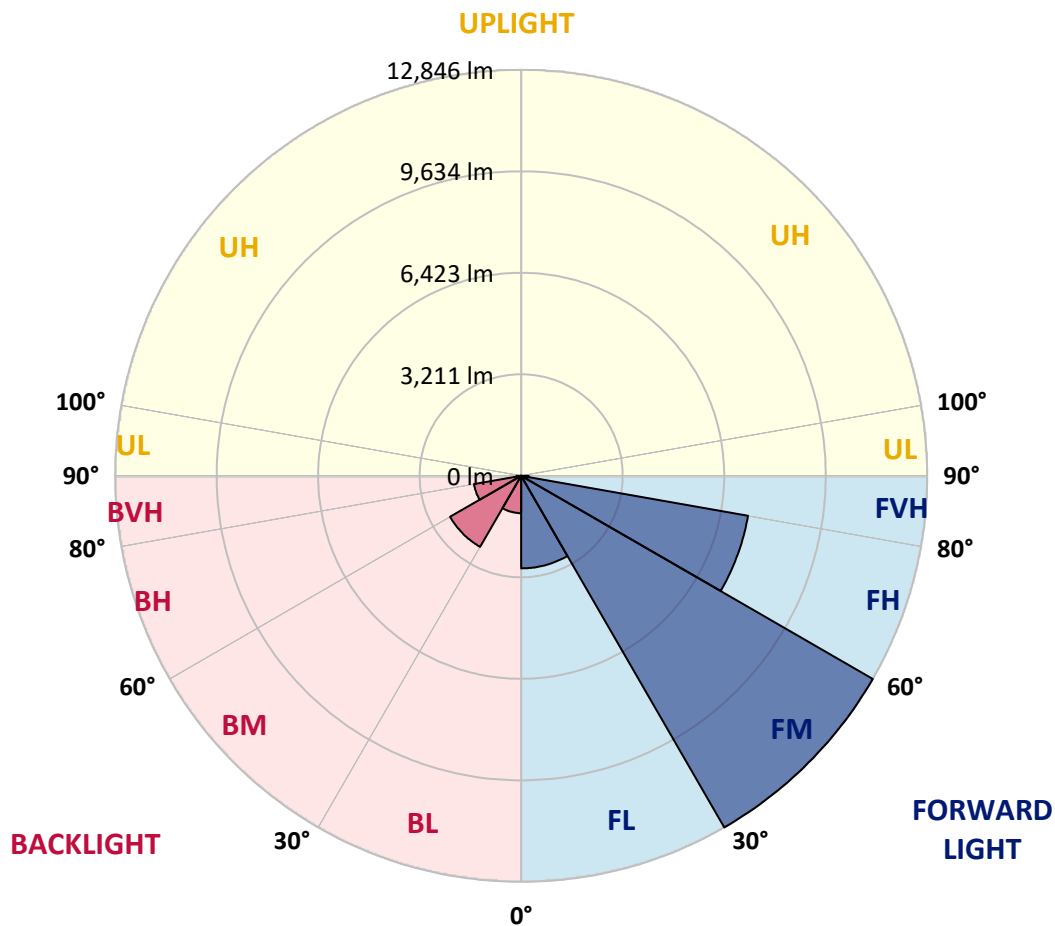
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2928.9	10.2			
FM	(30°-60°)	12845.8	44.7			
FH	(60°-80°)	7287.3	25.4			G3/7500
FVH	(80°-90°)	235.1	0.8			G3/500
BL	(0°-30°)	1181.7	4.1	B3/2500		
BM	(30°-60°)	2596.1	9.0	B3/5000		
BH	(60°-80°)	1516.3	5.3	B3/2500		G3/2500
BVH	(80°-90°)	140.9	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2
2.5°	4221.0	4250.7	4213.6	4213.6	4089.0	4023.7	3899.2	3804.2	3633.7	3604.0	3491.3
5°	4989.3	5026.3	4974.4	4952.2	4805.3	4670.4	4461.3	4255.1	3951.1	3919.9	3654.4
7.5°	5584.0	5631.4	5585.5	5561.7	5431.2	5279.9	5035.2	4747.5	4318.9	4258.1	3873.9
10°	6069.0	6076.4	6061.6	6070.5	5968.1	5843.5	5592.9	5257.7	4722.3	4639.2	4139.4
12.5°	6343.4	6377.5	6407.1	6460.5	6442.7	6365.6	6140.2	5739.7	5149.4	5042.6	4428.6
15°	6472.4	6531.7	6598.4	6721.5	6820.9	6840.2	6668.2	6257.3	5584.0	5455.0	4720.8
17.5°	6518.4	6574.7	6680.0	6858.0	7071.6	7215.4	7138.3	6760.1	6014.1	5865.8	5027.8
20°	6751.2	6767.5	6831.3	7000.4	7231.7	7470.5	7528.4	7243.6	6439.8	6272.2	5345.2
22.5°	7249.5	7216.9	7234.7	7311.8	7477.9	7709.3	7841.3	7670.8	6877.3	6684.5	5665.6
25°	8072.7	7977.8	7882.8	7793.9	7878.4	8008.9	8158.7	8097.9	7335.6	7090.8	5988.9
27.5°	9112.4	8996.7	8787.5	8495.4	8393.0	8439.0	8505.8	8493.9	7759.7	7512.1	6322.6
30°	10135.7	10000.8	9751.6	9328.9	9059.0	8937.3	8886.9	8852.8	8221.0	7957.0	6659.3
32.5°	10952.9	10846.1	10601.4	10128.3	9736.8	9529.1	9361.5	9239.9	8703.0	8439.0	7015.2
35°	11667.8	11568.4	11288.1	10772.0	10346.3	10125.3	9905.8	9646.3	9204.3	8937.3	7397.9
37.5°	12320.4	12221.0	11836.9	11300.0	10871.3	10718.6	10522.8	10082.3	9707.1	9455.0	7802.8
40°	12732.7	12710.4	12351.5	11743.4	11298.5	11222.9	11157.6	10588.1	10264.7	10030.4	8247.7
42.5°	12838.0	12886.9	12602.2	12102.3	11678.2	11617.4	11770.1	11160.6	10890.6	10666.7	8752.0
45°	12584.4	12725.3	12538.4	12198.8	11948.1	11915.5	12313.0	11786.4	11583.3	11378.6	9360.0
47.5°	11942.2	12181.0	12103.8	12056.4	12020.8	12161.7	12790.5	12450.9	12367.8	12189.9	10054.1
50°	10645.9	11098.3	11233.2	11532.8	11876.9	12353.0	13225.1	13176.1	13284.4	13104.9	10899.5
52.5°	8404.9	9027.8	9810.9	10561.4	11434.9	12289.2	13702.6	14217.3	14674.1	14576.2	12243.2
55°	6938.1	7218.4	7820.5	9196.9	10577.7	12020.8	13917.7	15058.2	16053.4	15965.9	13262.2
57.5°	5810.9	6061.6	6432.3	7581.8	9281.4	11411.2	14051.2	15571.4	16998.2	16989.3	14267.7
60°	4602.2	4867.6	5247.3	6061.6	7767.2	10358.2	14021.5	16155.7	18203.9	18278.1	15494.3
62.5°	3237.7	3529.9	3951.1	4710.4	6220.3	8993.7	13416.4	16578.4	19623.3	19825.0	16970.0
65°	2128.3	2321.1	2638.5	3294.0	4634.8	7239.2	12261.0	16633.3	21142.0	21483.1	18355.2
67.5°	1492.0	1566.2	1753.1	2109.0	3055.2	5551.4	10420.5	16065.3	22155.0	22539.1	18955.9
70°	1164.3	1201.3	1296.3	1438.6	1919.2	3733.0	7985.2	14588.1	21938.5	22338.9	18328.5
72.5°	1005.6	1041.2	1076.8	1094.6	1287.4	2304.8	5409.0	12197.3	19899.2	20170.6	15936.2
75°	912.1	921.0	950.7	944.8	981.8	1495.0	3122.0	8886.9	15700.4	15607.0	11764.2
77.5°	766.8	778.6	827.6	820.2	872.1	1021.9	1621.1	5735.3	10178.7	9543.9	6548.0
80°	649.6	655.5	708.9	700.0	757.9	740.1	827.6	2923.3	4317.4	3657.4	1888.0
82.5°	225.4	278.8	541.3	557.7	578.4	447.9	477.6	1192.4	1318.5	1010.0	396.0
85°	109.8	117.2	275.9	391.5	390.1	225.4	232.9	425.7	415.3	326.3	132.0
87.5°	17.8	22.2	32.6	152.8	121.6	59.3	80.1	83.1	86.0	74.2	29.7
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°	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2	3371.2
2.5°	3408.2	3334.1	3178.3	3034.5	2921.8	2813.5	2752.7	2700.8	2671.1	2665.2	2665.2
5°	3500.2	3347.4	3064.1	2825.4	2669.6	2554.0	2493.1	2454.6	2435.3	2423.4	2422.0
7.5°	3632.2	3408.2	3004.8	2733.4	2570.3	2487.2	2456.1	2450.1	2448.6	2450.1	2454.6
10°	3814.6	3507.6	2998.9	2711.2	2574.7	2528.7	2527.3	2528.7	2534.7	2536.2	2537.6
12.5°	4011.9	3609.9	3022.6	2730.4	2631.1	2605.9	2601.4	2599.9	2604.4	2607.3	2608.8
15°	4226.9	3744.9	3062.7	2772.0	2693.4	2666.7	2662.2	2653.3	2651.8	2650.4	2648.9
17.5°	4447.9	3878.4	3107.2	2816.5	2733.4	2696.3	2680.0	2659.3	2642.9	2638.5	2642.9
20°	4671.9	4010.4	3138.3	2838.7	2736.4	2684.5	2651.8	2616.2	2588.1	2571.7	2577.7
22.5°	4910.6	4148.3	3157.6	2832.8	2709.7	2638.5	2579.2	2537.6	2494.6	2466.4	2467.9
25°	5143.5	4268.5	3156.1	2801.6	2657.8	2567.3	2491.7	2438.3	2378.9	2349.3	2349.3
27.5°	5367.5	4376.7	3119.0	2746.8	2583.6	2482.8	2392.3	2328.5	2270.7	2242.5	2241.0
30°	5598.8	4467.2	3061.2	2666.7	2496.1	2384.9	2285.5	2230.6	2178.7	2152.0	2150.5
32.5°	5828.7	4550.2	2979.6	2567.3	2395.3	2288.5	2190.6	2140.2	2109.0	2109.0	2110.5
35°	6071.9	4608.1	2871.3	2451.6	2288.5	2186.1	2109.0	2079.3	2076.4	2058.6	2054.1
37.5°	6328.5	4645.2	2739.3	2333.0	2183.2	2086.8	2063.0	2027.4	1997.8	1959.2	1953.3
40°	6598.4	4682.2	2580.6	2209.9	2071.9	2018.5	2008.2	1960.7	1876.2	1781.2	1767.9
42.5°	6926.2	4707.5	2416.0	2086.8	1954.8	1937.0	1951.8	1870.2	1735.3	1664.1	1665.6
45°	7305.9	4749.0	2264.7	1965.1	1834.6	1834.6	1896.9	1790.1	1678.9	1634.4	1641.8
47.5°	7798.3	4845.4	2123.8	1831.7	1723.4	1753.1	1775.3	1693.7	1631.4	1576.6	1575.1
50°	8510.2	5076.8	1978.5	1696.7	1638.9	1698.2	1667.0	1619.6	1546.9	1502.4	1498.0
52.5°	9394.2	5213.2	1849.5	1575.1	1566.2	1625.5	1581.0	1536.5	1481.6	1422.3	1410.5
55°	9996.3	5238.4	1741.2	1486.1	1517.2	1511.3	1495.0	1455.0	1425.3	1346.7	1348.2
57.5°	10669.6	5288.8	1652.2	1432.7	1486.1	1420.8	1414.9	1380.8	1342.2	1288.8	1271.0
60°	11475.0	5367.5	1575.1	1411.9	1459.4	1361.5	1331.9	1318.5	1279.9	1253.2	1260.7
62.5°	12353.0	5438.6	1496.5	1414.9	1428.3	1303.7	1259.2	1254.7	1231.0	1222.1	1222.1
65°	12952.2	5244.4	1398.6	1411.9	1379.3	1244.3	1188.0	1186.5	1167.2	1164.3	1162.8
67.5°	12743.1	4628.9	1266.6	1370.4	1328.9	1185.0	1122.7	1116.8	1091.6	1093.1	1093.1
70°	11696.0	3750.8	1084.2	1268.1	1266.6	1131.6	1054.5	1035.2	1001.1	1007.0	1013.0
72.5°	9732.3	2779.4	839.5	1097.5	1167.2	1082.7	975.9	944.8	901.7	907.7	906.2
75°	7028.6	1889.5	611.0	835.0	1015.9	1024.8	898.8	845.4	793.5	802.4	805.3
77.5°	3596.6	1070.8	449.4	575.5	797.9	931.4	829.1	757.9	746.0	829.1	817.2
80°	1173.2	536.9	311.5	403.4	523.5	762.3	726.7	645.2	642.2	661.5	568.0
82.5°	350.0	226.9	200.2	265.5	289.2	584.4	627.4	488.0	419.7	442.0	456.8
85°	120.1	109.8	114.2	132.0	137.9	342.6	439.0	323.3	305.5	336.7	332.2
87.5°	28.2	38.6	32.6	29.7	29.7	83.1	170.6	135.0	186.9	124.6	120.1
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)