

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: P952333

Luminaire Tested: **GALN-SB6B-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
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-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28038 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

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

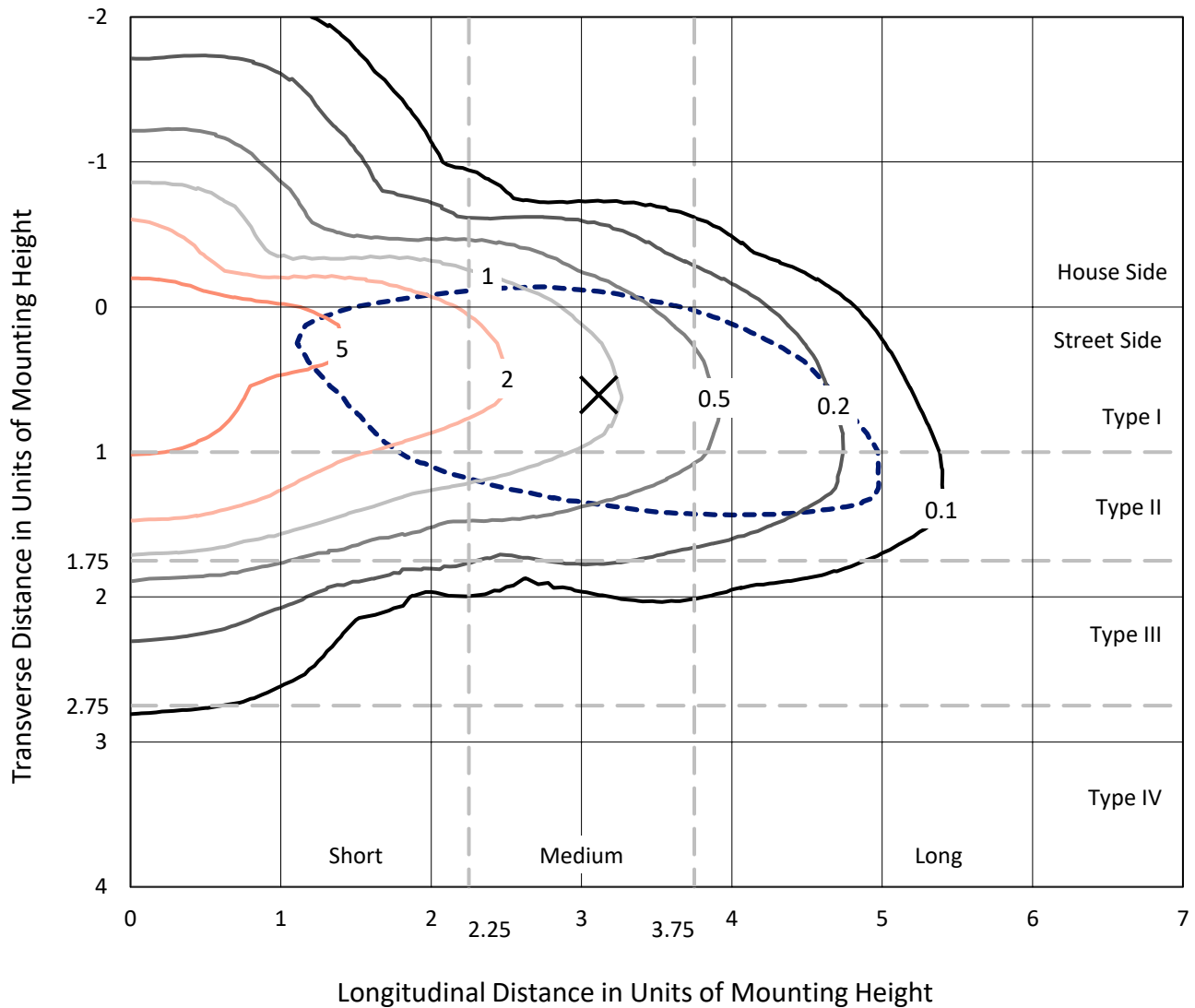


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Iso-Footcandle Lines of Horizontal Illumination

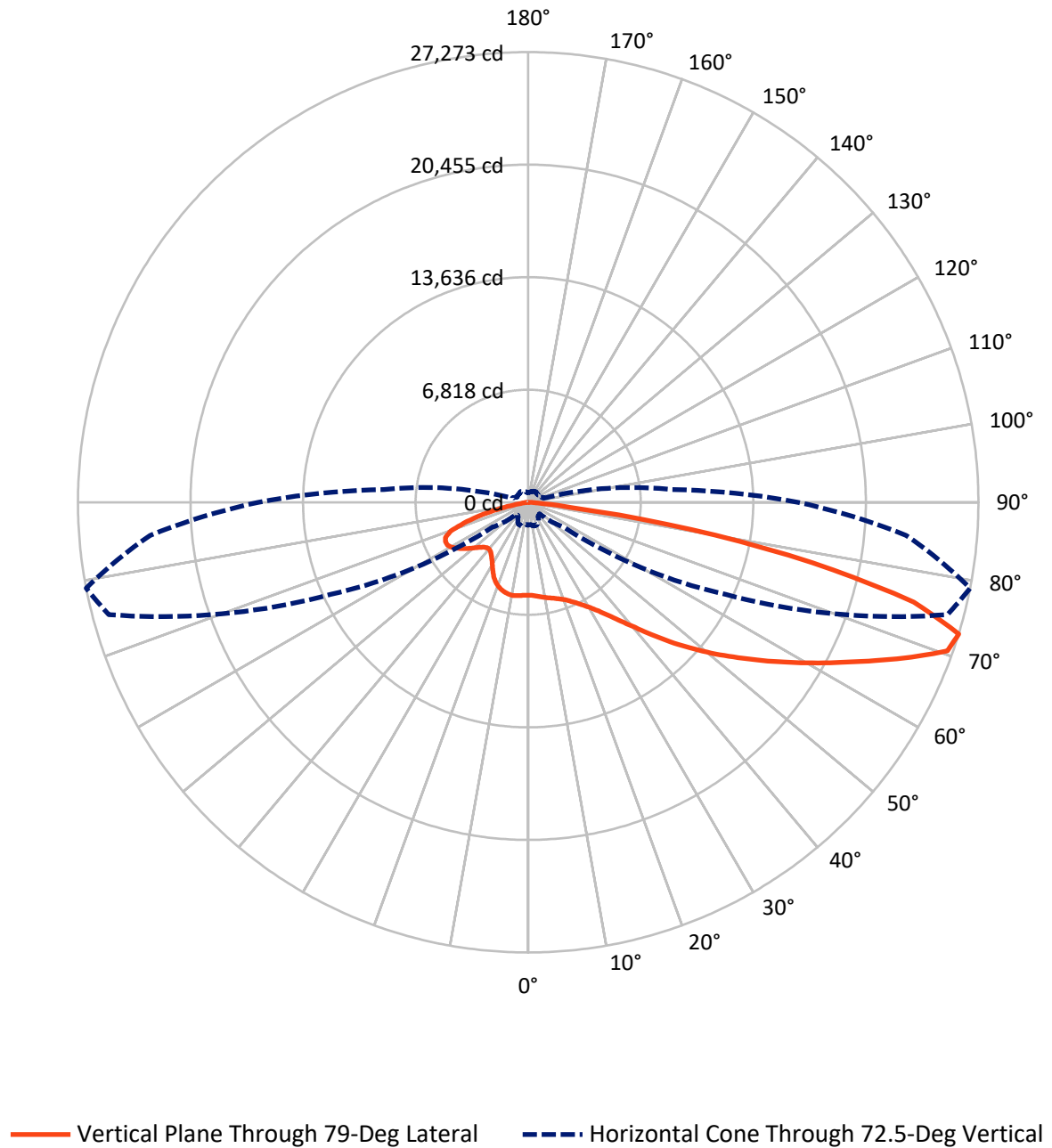
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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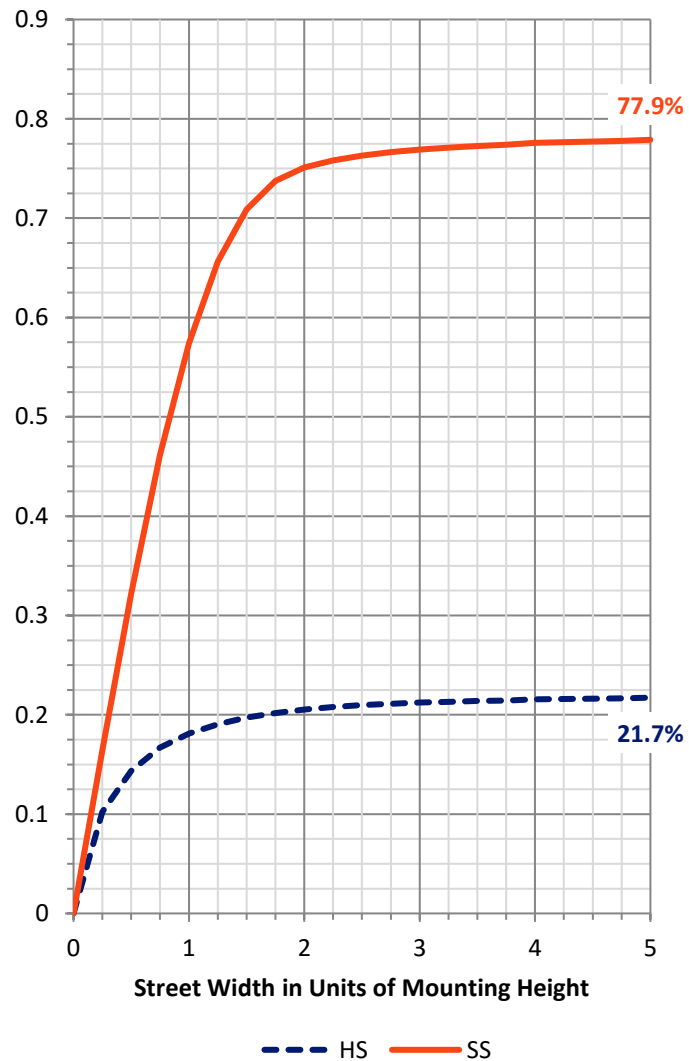
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6169.9	0.0	6169.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	21868.1	0.0	21868.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	28038.0	0.0	28038.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.9	1.8
10°-20°	1335.7	4.8
20°-30°	2155.3	7.7
30°-40°	3234.8	11.5
40°-50°	4588.8	16.4
50°-60°	5795.0	20.7
60°-70°	5885.6	21.0
70°-80°	4011.3	14.3
80°-90°	520.4	1.9
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°	28038.0	100.0
0°-180°	28038.0	100.0

Coefficient of Utilization



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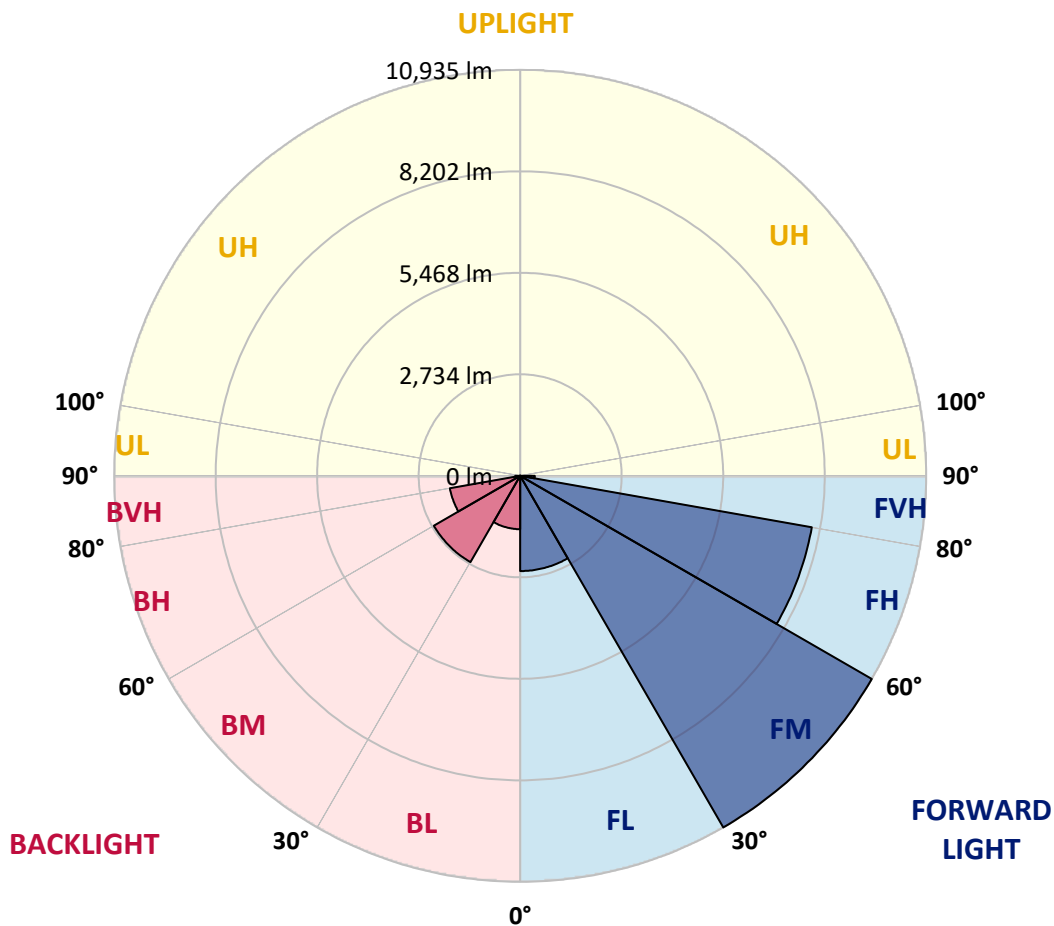
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2564.8	9.1			
FM	(30°-60°)	10935.4	39.0			
FH	(60°-80°)	7975.9	28.4			G4/12000
FVH	(80°-90°)	392.1	1.4			G3/500
BL	(0°-30°)	1437.1	5.1	B3/2500		
BM	(30°-60°)	2683.3	9.6	B3/5000		
BH	(60°-80°)	1921.1	6.9	B3/2500		G3/2500
BVH	(80°-90°)	128.4	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-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4
2.5°	5631.3	5604.6	5620.9	5615.0	5622.4	5631.3	5634.3	5638.7	5653.6	5652.1	5650.6
5°	5619.5	5592.8	5615.0	5607.6	5626.9	5647.6	5665.4	5681.8	5705.5	5715.9	5701.0
7.5°	5594.3	5576.5	5598.7	5620.9	5656.5	5687.7	5712.9	5750.0	5784.1	5790.0	5800.4
10°	5447.4	5434.1	5486.0	5543.8	5641.7	5726.2	5781.1	5824.1	5861.2	5867.1	5882.0
12.5°	5294.7	5278.4	5336.2	5414.8	5573.5	5726.2	5841.9	5898.3	5930.9	5950.2	5972.4
15°	5269.5	5256.1	5288.7	5357.0	5489.0	5686.2	5883.5	5987.3	6015.5	6037.7	6046.6
17.5°	5391.1	5365.9	5379.2	5402.9	5480.1	5649.1	5916.1	6088.1	6131.1	6154.9	6154.9
20°	5672.9	5637.3	5616.5	5569.0	5555.7	5655.1	5913.1	6209.7	6266.1	6295.8	6303.2
22.5°	6048.1	6024.3	5979.9	5859.7	5729.2	5727.7	5969.5	6365.5	6470.8	6498.9	6481.1
25°	6501.9	6466.3	6410.0	6246.8	5996.2	5871.6	6064.4	6564.2	6740.7	6748.1	6696.2
27.5°	7024.0	6970.6	6893.4	6678.4	6340.2	6097.0	6209.7	6792.6	7050.7	7047.7	6940.9
30°	7574.2	7520.8	7439.2	7178.2	6752.6	6401.1	6411.4	7038.8	7418.5	7402.1	7219.7
32.5°	7976.1	7936.1	7919.8	7718.0	7227.1	6760.0	6642.8	7311.7	7872.3	7857.5	7602.4
35°	8284.6	8232.7	8252.0	8149.6	7744.7	7161.9	6926.1	7636.5	8424.0	8422.5	8105.1
37.5°	8590.1	8544.1	8560.4	8492.2	8223.8	7672.1	7271.6	8033.9	9107.7	9140.3	8713.2
40°	8868.9	8820.0	8885.2	8821.5	8596.0	8214.9	7664.7	8483.3	9899.7	9962.0	9448.8
42.5°	9036.5	8998.0	9106.2	9107.7	8919.4	8673.2	8096.2	8978.7	10816.2	10955.7	10353.5
45°	9094.4	9081.0	9244.2	9278.3	9205.6	8938.6	8484.8	9518.5	11804.0	12053.1	11384.3
47.5°	9032.1	9006.9	9232.3	9358.4	9416.2	9063.2	8806.6	10102.9	12812.5	13177.3	12508.5
50°	8717.7	8668.7	9003.9	9269.4	9475.5	9144.8	9131.4	10777.7	13958.9	14357.9	13638.6
52.5°	8152.6	8115.5	8496.7	8957.9	9345.0	9184.8	9496.3	11514.8	15047.5	15563.6	14796.9
55°	7430.3	7381.4	7801.1	8403.2	9020.2	9171.5	9861.1	12339.4	16331.9	16855.4	15993.7
57.5°	6285.4	6187.5	6718.4	7430.3	8490.7	9155.2	10240.8	13159.5	17637.0	18264.4	17270.7
60°	4615.4	4470.1	5121.1	5965.0	7455.5	8996.5	10710.9	14079.1	19203.2	19768.2	18664.8
62.5°	2687.4	2602.8	3028.5	3816.0	5619.5	8062.1	10974.9	15148.4	20742.6	21335.9	20035.2
65°	2086.7	2063.0	2100.1	2160.9	3127.9	6036.2	10160.7	16191.0	22700.3	23115.6	21463.4
67.5°	1908.7	1891.0	1907.3	1793.1	1586.9	3362.2	8038.4	16455.0	24797.4	25049.5	22713.7
70°	1696.7	1675.9	1729.3	1631.4	1248.8	1529.1	5193.8	15496.9	26465.9	26939.0	23664.3
72.5°	1382.2	1358.5	1483.1	1438.6	1051.5	981.8	2608.8	13220.3	26290.9	27272.7	22983.6
75°	1061.9	1048.6	1196.9	1233.9	857.2	772.7	1251.7	9827.0	23136.3	24125.6	19808.3
77.5°	824.6	814.2	889.9	1024.8	691.1	599.2	769.7	6233.5	17435.3	17608.8	13650.4
80°	618.5	588.8	658.5	793.5	538.4	437.5	522.1	3635.1	11020.9	9990.2	5941.3
82.5°	387.1	372.3	430.1	529.5	379.7	301.1	339.6	2008.1	4416.7	2601.4	1146.4
85°	221.0	215.0	234.3	302.6	206.2	173.5	194.3	886.9	806.8	554.7	345.6
87.5°	89.0	86.0	106.8	135.0	75.6	63.8	68.2	213.6	178.0	164.6	114.2
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°	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4	5628.4
2.5°	5644.7	5644.7	5623.9	5591.3	5554.2	5530.5	5491.9	5481.5	5441.5	5429.6	5448.9
5°	5712.9	5701.0	5637.3	5545.3	5419.2	5303.6	5176.0	5095.9	4983.2	4943.2	4972.8
7.5°	5798.9	5766.3	5656.5	5454.8	5190.8	4931.3	4661.4	4456.7	4260.9	4191.2	4200.1
10°	5877.5	5831.5	5644.7	5291.7	4834.9	4385.5	3955.4	3654.4	3426.0	3332.5	3353.3
12.5°	5956.1	5871.6	5566.1	5020.3	4329.2	3719.6	3261.3	3027.0	2886.1	2773.4	2810.5
15°	6030.3	5911.6	5444.5	4656.9	3774.5	3156.0	2817.9	2631.0	2518.3	2444.1	2457.5
17.5°	6116.3	5945.7	5262.0	4195.7	3246.5	2766.0	2490.1	2377.4	2355.2	2346.3	2352.2
20°	6236.4	5976.9	5021.8	3679.6	2857.9	2454.5	2312.2	2301.8	2300.3	2295.8	2310.7
22.5°	6365.5	6014.0	4704.4	3210.9	2527.2	2260.2	2235.0	2214.3	2200.9	2199.4	2215.8
25°	6518.2	6025.8	4306.9	2826.8	2245.4	2168.3	2138.6	2107.5	2098.6	2098.6	2107.5
27.5°	6666.5	5985.8	3844.2	2493.1	2086.7	2083.8	2045.2	2034.8	2033.3	2037.8	2049.6
30°	6814.8	5910.2	3384.4	2184.6	1994.8	1994.8	1981.4	1988.8	1994.8	2009.6	2020.0
32.5°	7015.1	5830.1	3000.3	1956.2	1914.7	1899.9	1913.2	1928.0	1934.0	1953.2	1969.6
35°	7308.7	5773.7	2694.8	1831.6	1831.6	1812.3	1819.8	1816.8	1803.4	1794.6	1815.3
37.5°	7697.3	5770.7	2442.7	1773.8	1761.9	1759.0	1760.4	1741.2	1689.3	1627.0	1628.4
40°	8164.5	5850.8	2248.4	1733.7	1724.8	1742.6	1733.7	1681.8	1539.5	1431.2	1428.2
42.5°	8791.8	6079.2	2123.8	1684.8	1711.5	1733.7	1698.1	1518.7	1422.3	1349.6	1346.7
45°	9530.4	6450.0	2060.0	1632.9	1686.3	1713.0	1540.9	1462.3	1385.2	1297.7	1291.8
47.5°	10366.9	6917.2	2045.2	1584.0	1629.9	1646.2	1474.2	1438.6	1351.1	1256.2	1248.8
50°	11277.5	7470.4	2085.2	1526.1	1548.4	1492.0	1452.0	1419.3	1328.9	1235.4	1225.0
52.5°	12219.3	8079.9	2165.3	1447.5	1466.8	1404.5	1443.1	1414.9	1315.5	1189.4	1180.5
55°	13144.7	8693.9	2242.4	1355.6	1383.7	1325.9	1417.8	1397.1	1254.7	1112.3	1104.9
57.5°	14085.0	9305.0	2318.1	1274.0	1303.6	1250.3	1377.8	1349.6	1186.5	1041.1	1038.2
60°	15062.4	9898.2	2353.7	1195.4	1216.1	1180.5	1317.0	1268.0	1109.4	968.5	964.0
62.5°	15977.4	10392.1	2295.8	1116.8	1130.1	1115.3	1236.9	1171.6	1032.2	886.9	885.4
65°	16895.5	10685.7	2117.9	1039.7	1042.6	1035.2	1124.2	1067.8	941.8	815.7	806.8
67.5°	17727.5	10850.4	1834.6	956.6	949.2	946.2	1018.9	955.1	854.3	744.5	735.6
70°	17904.0	10432.1	1401.5	858.7	858.7	851.3	903.2	838.0	757.9	668.9	665.9
72.5°	16352.7	8775.5	995.2	747.5	759.3	744.5	787.5	732.7	660.0	600.7	582.9
75°	13186.2	6435.2	723.8	633.3	654.0	628.8	668.9	630.3	568.0	566.5	510.2
77.5°	9060.3	3979.2	525.0	522.1	536.9	504.3	550.2	529.5	473.1	447.9	419.7
80°	3866.4	1586.9	382.6	403.4	403.4	373.7	427.1	433.1	384.1	372.3	372.3
82.5°	769.7	450.9	268.4	277.3	261.0	252.1	302.6	335.2	462.7	514.6	516.1
85°	231.4	166.1	161.7	151.3	133.5	135.0	178.0	336.7	415.3	237.3	204.7
87.5°	63.8	41.5	43.0	34.1	28.2	37.1	60.8	255.1	139.4	59.3	50.4
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)