

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: P955560

Luminaire Tested: **GALN-SB8C-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49929 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 399.8
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



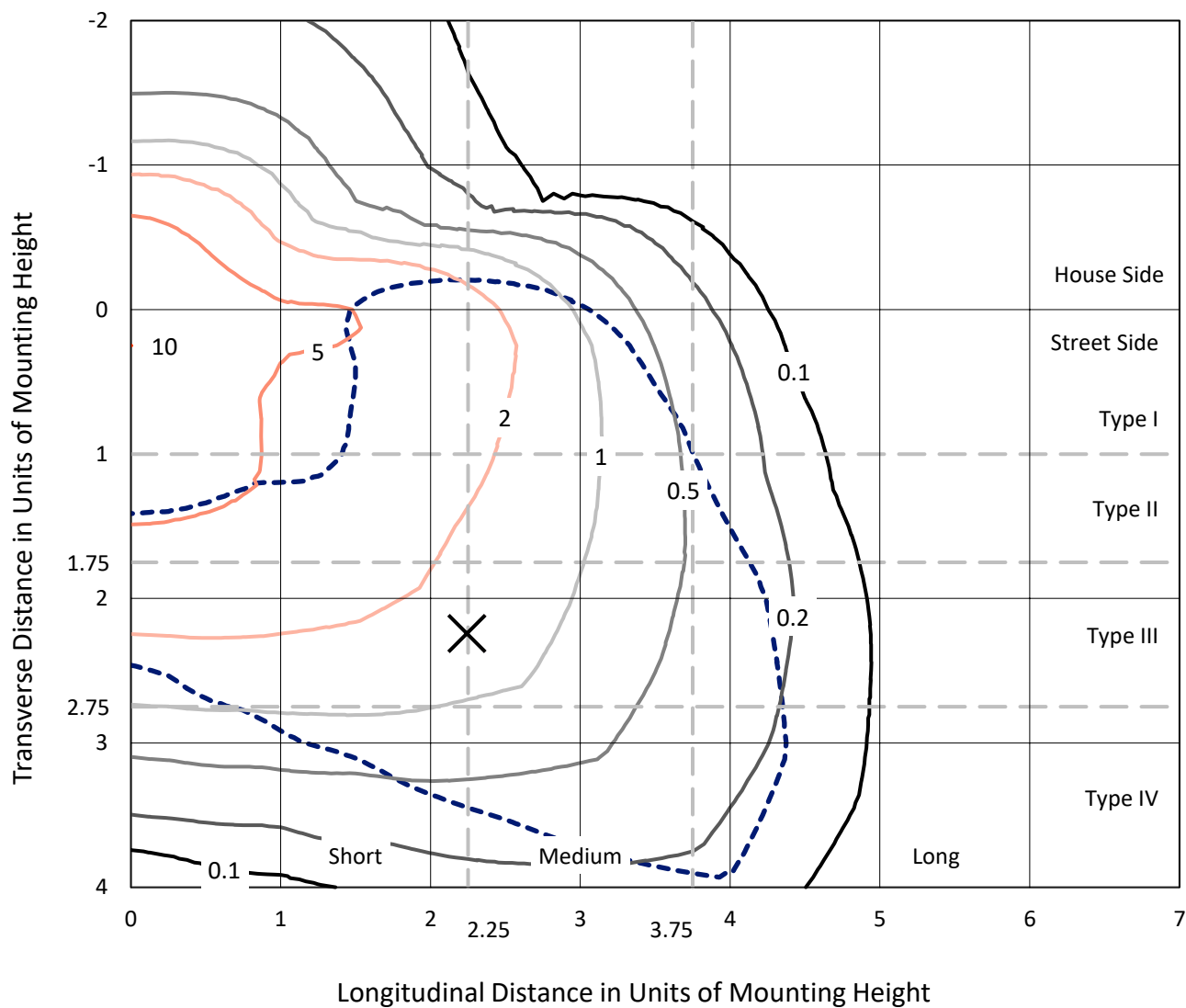
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

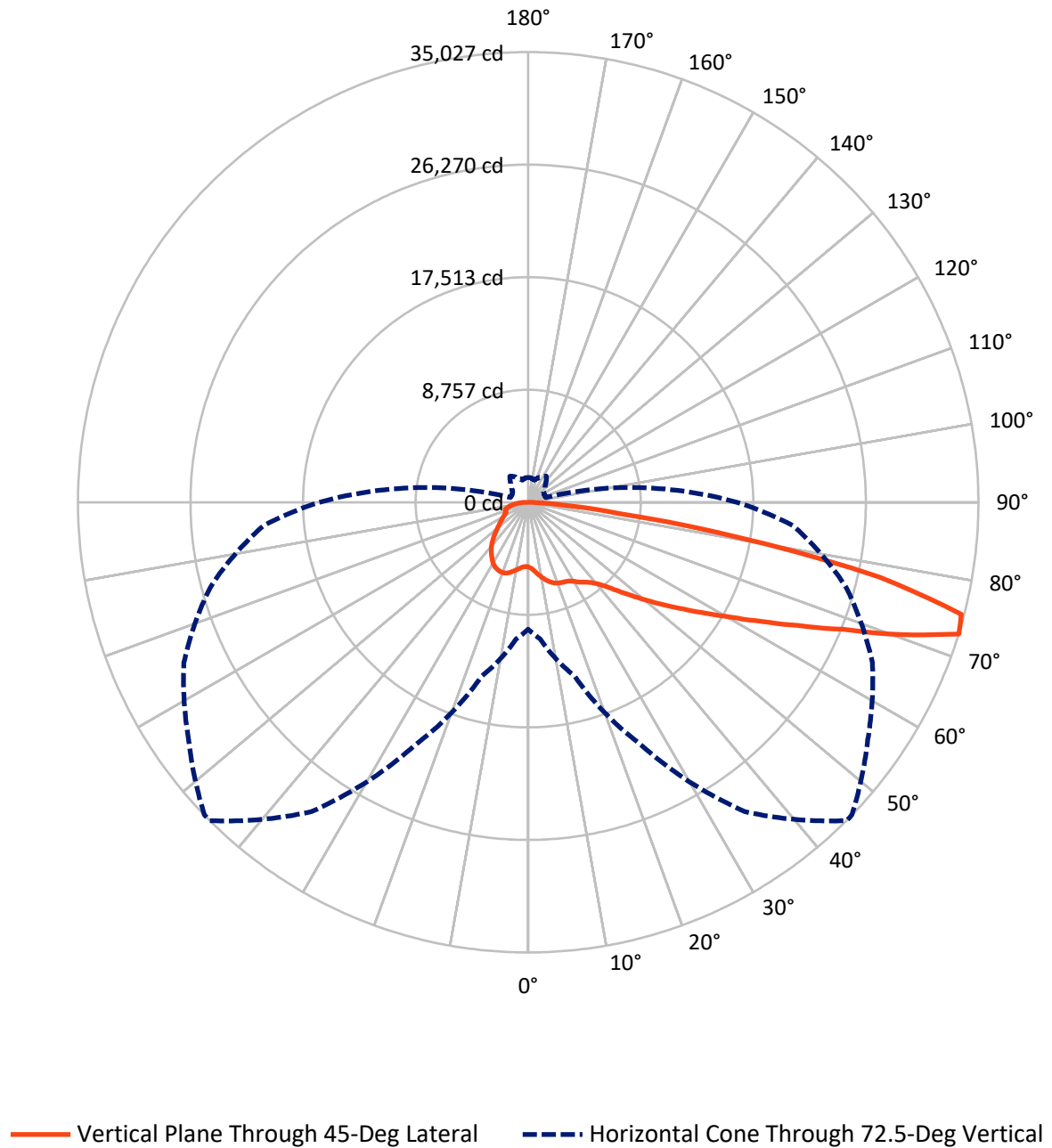


Based on 25 foot mounting height. Maximum calculated value = 10 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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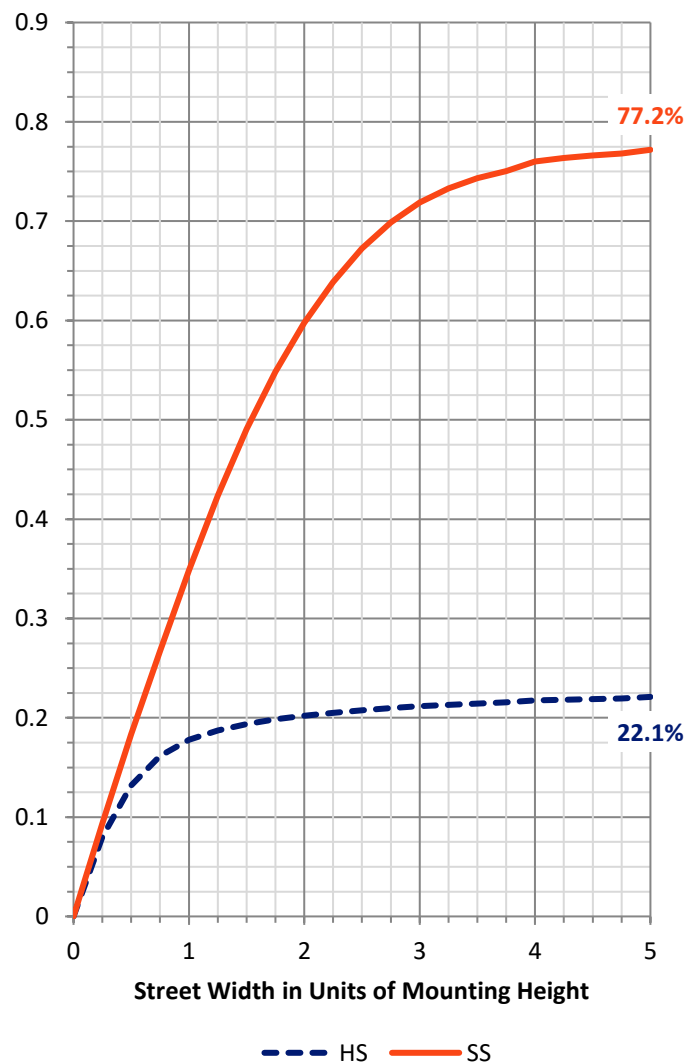
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11287.2	0.0	11287.2
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	38641.8	0.0	38641.8
	% Fixture	77.4	0.0	77.4
Total	Lumens	49929.0	0.0	49929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.7	1.0
10°-20°	1709.2	3.4
20°-30°	2973.3	6.0
30°-40°	4262.4	8.5
40°-50°	6001.8	12.0
50°-60°	9193.0	18.4
60°-70°	13317.4	26.7
70°-80°	10634.7	21.3
80°-90°	1324.5	2.7
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°	49929.0	100.0
0°-180°	49929.0	100.0

Coefficient of Utilization



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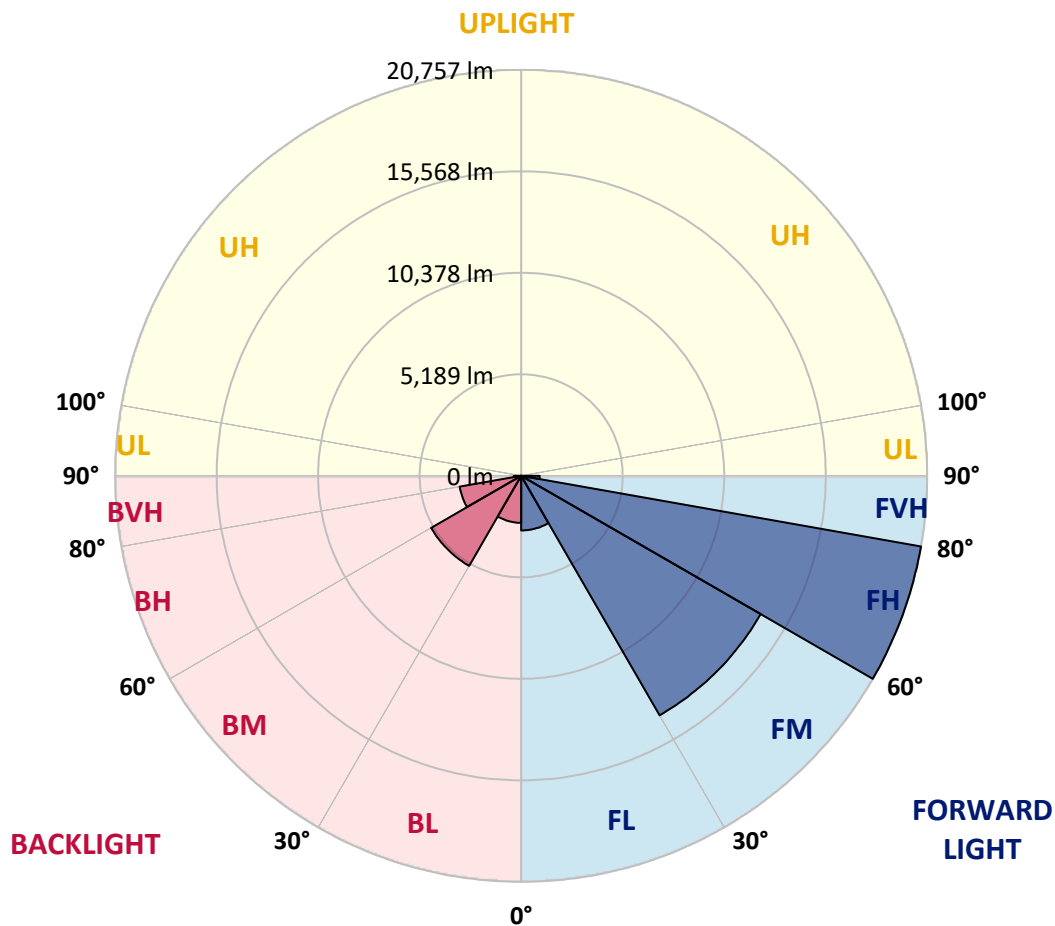
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2792.1	5.6			
FM	(30°-60°)	14142.5	28.3			
FH	(60°-80°)	20757.0	41.6			G5
FVH	(80°-90°)	950.2	1.9			G5
BL	(0°-30°)	2403.1	4.8	B3/2500		
BM	(30°-60°)	5314.7	10.6	B4/8500		
BH	(60°-80°)	3195.1	6.4	B4/5000		G4/5000
BVH	(80°-90°)	374.3	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9
2.5°	5234.1	5268.3	5236.8	5207.8	5194.7	5160.5	5157.9	5136.8	5123.7	5086.8	5076.3
5°	5599.7	5644.4	5591.8	5534.0	5481.4	5397.2	5386.7	5326.2	5257.8	5178.9	5134.2
7.5°	6012.7	6052.1	5991.6	5904.8	5812.8	5673.4	5670.7	5560.3	5452.4	5318.3	5242.0
10°	6373.0	6425.6	6344.1	6225.7	6110.0	5952.2	5933.8	5807.5	5670.7	5497.2	5381.4
12.5°	6691.3	6728.1	6649.2	6504.5	6370.4	6212.6	6188.9	6049.5	5896.9	5699.7	5552.4
15°	6943.8	6991.1	6885.9	6730.7	6588.7	6433.5	6412.5	6286.2	6133.7	5925.9	5736.5
17.5°	7109.5	7148.9	7041.1	6867.5	6730.7	6601.8	6586.1	6480.9	6346.7	6136.3	5933.8
20°	7172.6	7214.7	7101.6	6925.4	6799.1	6699.2	6691.3	6615.0	6522.9	6330.9	6125.8
22.5°	7235.7	7275.2	7127.9	6943.8	6833.3	6770.2	6767.5	6717.6	6680.7	6522.9	6323.0
25°	7490.9	7501.4	7304.1	7038.5	6880.6	6825.4	6822.8	6820.2	6835.9	6712.3	6536.1
27.5°	7711.8	7709.2	7540.8	7291.0	7046.3	6930.6	6928.0	6954.3	7004.3	6901.7	6757.0
30°	8035.3	8006.4	7806.5	7546.1	7322.5	7143.7	7127.9	7104.2	7143.7	7062.1	6978.0
32.5°	8721.8	8629.7	8306.2	7843.3	7551.4	7414.6	7393.5	7246.2	7262.0	7212.1	7170.0
35°	9705.5	9584.5	9153.2	8406.2	7835.4	7640.8	7630.3	7443.5	7411.9	7367.2	7383.0
37.5°	10875.9	10726.0	10223.7	9221.5	8324.6	7903.8	7888.0	7719.7	7590.8	7543.5	7632.9
40°	12051.7	11862.3	11446.7	10215.8	9045.3	8343.0	8293.1	8037.9	7890.6	7811.7	8001.1
42.5°	13193.2	13035.4	12680.3	11331.0	9934.3	8984.8	8874.3	8437.7	8327.3	8253.6	8595.5
45°	14203.2	14061.1	13800.7	12522.5	10975.9	9858.1	9750.2	9037.4	9003.2	9003.2	9497.7
47.5°	15023.8	14992.2	14716.1	13737.6	12204.2	10852.3	10665.5	9871.2	9963.3	10105.3	10778.6
50°	15933.9	15847.1	15552.5	14934.4	13648.2	11991.2	11838.6	10894.4	11238.9	11628.2	12630.3
52.5°	16770.3	16817.6	16488.8	16181.1	15278.9	13261.6	12993.3	12101.6	12846.0	13490.4	14800.2
55°	17630.3	17633.0	17540.9	17498.8	16988.6	14666.1	14371.5	13553.5	14737.1	15536.7	17330.5
57.5°	18437.8	18443.1	18579.8	18950.7	18971.8	16286.3	15952.3	15336.8	16838.6	17654.0	19939.7
60°	19158.5	19195.3	19568.8	20436.8	20715.6	18143.2	17827.6	17443.6	19011.2	19831.8	22683.0
62.5°	19400.5	19534.6	20365.8	21599.3	22438.4	20421.0	20110.6	19881.8	21294.2	22057.0	24976.5
65°	18990.2	19297.9	20905.0	22559.4	24211.1	23127.5	22819.8	22569.9	23666.7	24384.7	26859.8
67.5°	17982.8	18380.0	20873.4	23566.7	26362.7	26383.7	26097.0	25510.5	26210.1	26486.3	27472.6
70°	15328.9	15923.3	19034.9	23942.9	28832.4	30836.7	30560.5	29050.7	28748.3	27412.1	25747.2
72.5°	9876.5	10676.0	14016.4	20847.1	29382.1	35026.6	35010.8	32246.5	29550.5	25613.0	20649.8
75°	3603.4	4092.6	6512.4	13085.3	24663.5	34813.5	34916.1	31699.4	26975.5	19784.5	12864.4
77.5°	1312.5	1436.1	2125.2	5029.0	15168.5	27932.9	28145.9	25342.1	19200.6	9929.1	5097.4
80°	689.1	757.5	1088.9	1951.6	6499.3	16588.8	16922.8	15060.6	9024.3	2990.6	1528.2
82.5°	381.4	412.9	610.2	1060.0	2927.4	7093.7	7293.6	5949.5	3174.7	1267.8	631.3
85°	205.2	218.3	286.7	578.6	1430.8	2459.3	2514.5	1778.0	1265.1	744.4	305.1
87.5°	60.5	73.6	94.7	184.1	560.2	552.3	565.5	352.4	499.7	376.1	99.9
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°	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9	5036.9
2.5°	5060.5	5052.6	5023.7	5010.6	4994.8	4992.2	5005.3	5007.9	5010.6	5013.2	5023.7
5°	5107.9	5081.6	5055.3	5039.5	5044.8	5047.4	5073.7	5092.1	5105.2	5115.8	5121.0
7.5°	5199.9	5178.9	5134.2	5131.6	5139.4	5163.1	5197.3	5239.4	5263.1	5281.5	5286.7
10°	5336.7	5297.3	5244.7	5252.5	5268.3	5302.5	5373.5	5407.7	5447.2	5481.4	5473.5
12.5°	5476.1	5441.9	5381.4	5386.7	5413.0	5473.5	5541.9	5583.9	5610.3	5636.6	5647.1
15°	5657.6	5597.1	5531.3	5531.3	5578.7	5644.4	5676.0	5710.2	5726.0	5754.9	5765.4
17.5°	5844.3	5765.4	5678.6	5673.4	5731.2	5762.8	5781.2	5786.5	5791.7	5823.3	5833.8
20°	6031.1	5944.3	5820.7	5810.1	5823.3	5818.0	5815.4	5810.1	5818.0	5857.5	5873.3
22.5°	6215.2	6115.3	5944.3	5896.9	5860.1	5810.1	5807.5	5804.9	5810.1	5849.6	5875.9
25°	6430.9	6309.9	6081.1	5939.0	5815.4	5747.0	5754.9	5757.5	5762.8	5794.4	5836.5
27.5°	6665.0	6530.8	6207.3	5925.9	5702.3	5655.0	5641.8	5649.7	5668.1	5718.1	5768.1
30°	6899.1	6741.2	6323.0	5873.3	5560.3	5494.5	5452.4	5470.9	5528.7	5578.7	5633.9
32.5°	7112.1	6954.3	6415.1	5757.5	5378.8	5276.2	5221.0	5244.7	5302.5	5320.9	5386.7
35°	7362.0	7183.1	6454.6	5573.4	5181.5	5023.7	4950.1	4915.9	4944.8	4926.4	4984.3
37.5°	7640.8	7454.0	6449.3	5331.4	4950.1	4768.6	4666.0	4537.1	4476.6	4413.5	4453.0
40°	8053.7	7785.4	6386.2	5039.5	4663.4	4497.7	4313.6	4095.2	3958.5	3834.9	3842.7
42.5°	8616.6	8245.7	6270.4	4718.6	4339.9	4184.7	3934.8	3679.7	3464.0	3258.8	3240.4
45°	9455.6	8848.0	6125.8	4376.7	3990.0	3837.5	3566.6	3279.9	3035.3	2772.2	2740.7
47.5°	10665.5	9658.2	5989.0	3987.4	3621.8	3482.4	3237.8	2972.1	2682.8	2427.7	2398.8
50°	12327.8	10820.7	5862.8	3608.7	3258.8	3153.6	2959.0	2688.1	2396.1	2191.0	2177.8
52.5°	14442.5	12401.5	5810.1	3243.1	2919.5	2880.1	2724.9	2472.4	2196.2	2022.6	2009.5
55°	16870.2	14292.6	5810.1	2893.2	2622.3	2635.5	2527.6	2293.5	2054.2	1899.0	1883.2
57.5°	19347.9	16207.4	5704.9	2569.7	2369.8	2425.1	2356.7	2151.5	1935.8	1775.4	1749.1
60°	21630.9	17811.8	5278.8	2275.1	2146.3	2233.1	2188.3	2012.1	1749.1	1615.0	1593.9
62.5°	23385.3	18716.6	4458.2	2041.0	1962.1	2062.1	2038.4	1828.0	1714.9	1659.7	1641.3
65°	24263.7	18569.3	3408.8	1833.3	1807.0	1962.1	1912.2	1904.3	1814.8	1751.7	1730.7
67.5°	23724.6	17301.6	2472.4	1680.7	1717.5	1870.1	2062.1	2093.7	1927.9	1804.3	1783.3
70°	21360.0	15008.0	1841.2	1536.0	1604.4	1872.7	2351.4	2191.0	1891.1	1746.5	1722.8
72.5°	16249.5	11191.6	1428.2	1383.5	1457.1	1885.9	2480.3	2146.3	1785.9	1930.6	1914.8
75°	9292.6	6144.2	1146.8	1196.7	1273.0	1762.2	2414.5	2030.5	1704.4	1772.8	1772.8
77.5°	3542.9	2361.9	946.9	1012.6	1023.2	1538.7	2309.3	2022.6	1622.8	1583.4	1444.0
80°	1228.3	923.2	783.8	804.8	791.7	1367.7	2214.6	1759.6	1328.3	1188.9	1149.4
82.5°	502.4	460.3	620.7	594.4	562.9	1062.6	1788.5	1438.7	1086.3	960.0	949.5
85°	218.3	292.0	410.3	360.3	326.1	736.5	1433.5	1217.8	917.9	791.7	789.1
87.5°	44.7	110.5	173.6	163.1	168.3	491.9	1017.9	865.3	649.7	486.6	381.4
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)