

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: P953055

Luminaire Tested: **GALN-SB6D-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953055
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-SB6D-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51922 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 440.1
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

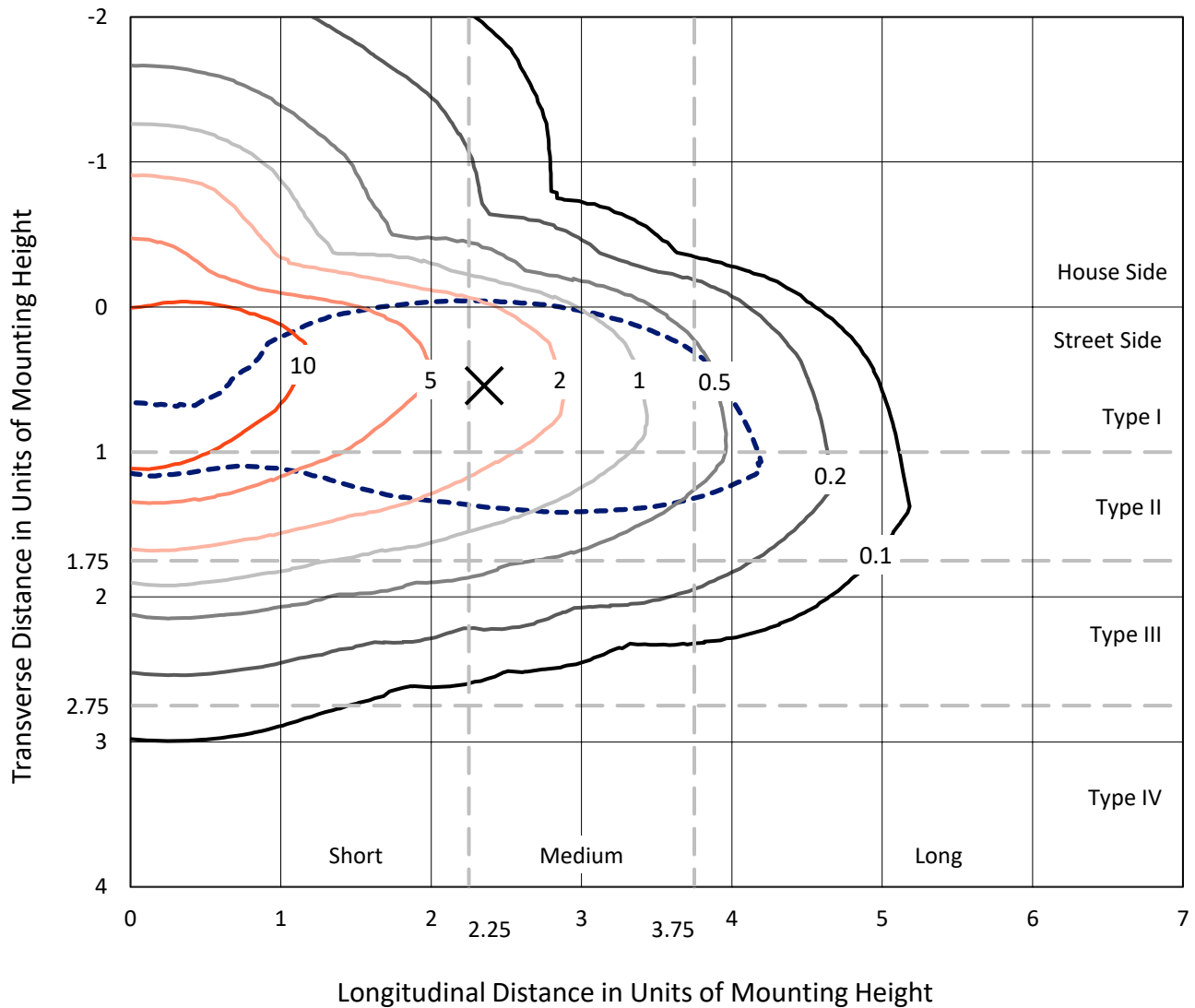


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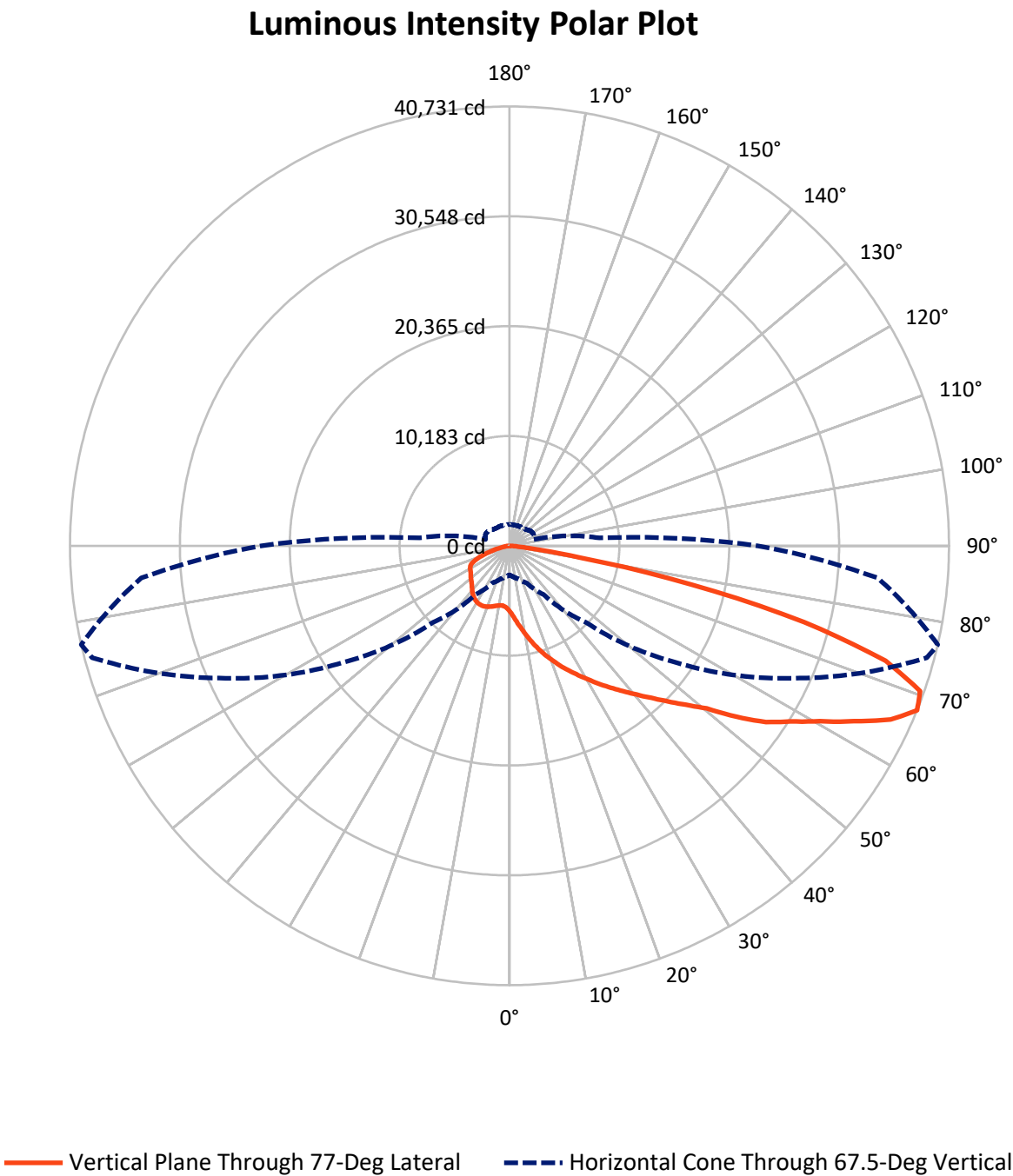
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19 fc
Type II - Medium - N/A

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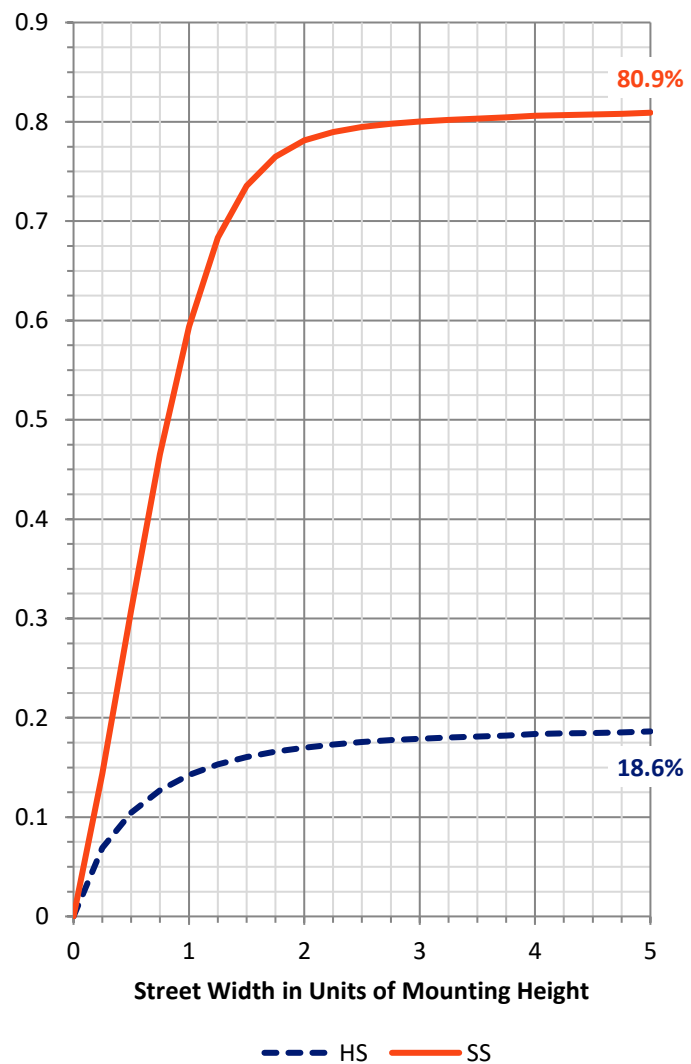
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9821.6	0.0	9821.6
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	42100.4	0.0	42100.4
	% Fixture	81.1	0.0	81.1
Total	Lumens	51922.0	0.0	51922.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.0	1.3
10°-20°	2345.9	4.5
20°-30°	4429.3	8.5
30°-40°	7135.6	13.7
40°-50°	9760.2	18.8
50°-60°	11009.5	21.2
60°-70°	10276.0	19.8
70°-80°	5633.0	10.8
80°-90°	679.5	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°	51922.0	100.0
0°-180°	51922.0	100.0

Coefficient of Utilization



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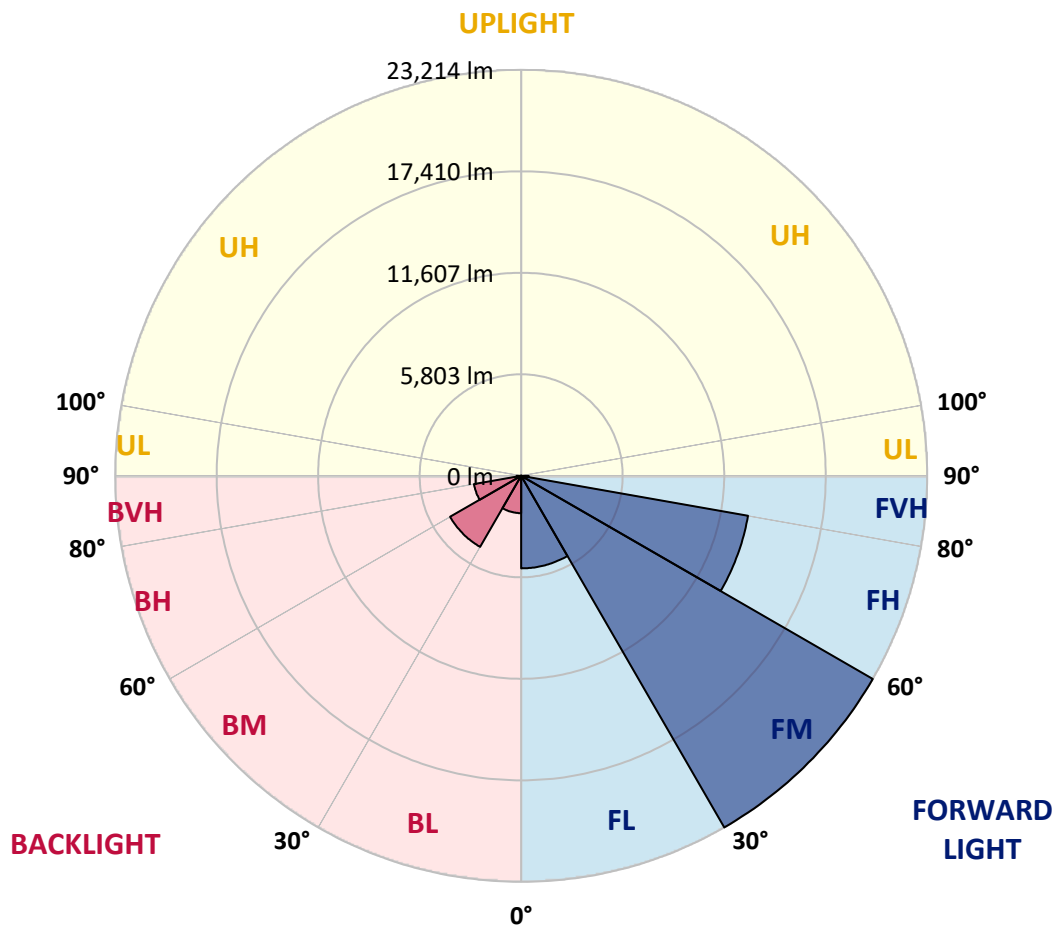
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5292.8	10.2			
FM	(30°-60°)	23213.8	44.7			
FH	(60°-80°)	13169.0	25.4			G5
FVH	(80°-90°)	424.9	0.8			G3/500
BL	(0°-30°)	2135.4	4.1	B3/2500		
BM	(30°-60°)	4691.5	9.0	B3/5000		
BH	(60°-80°)	2740.1	5.3	B4/5000		G4/5000
BVH	(80°-90°)	254.5	0.5			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1
2.5°	7627.8	7681.4	7614.4	7614.4	7389.3	7271.3	7046.2	6874.7	6566.5	6512.9	6309.2
5°	9016.1	9083.2	8989.3	8949.1	8683.8	8439.9	8062.0	7689.5	7140.0	7083.7	6604.0
7.5°	10090.9	10176.7	10093.6	10050.7	9814.8	9541.5	9099.2	8579.3	7804.7	7694.8	7000.6
10°	10967.3	10980.7	10953.9	10970.0	10785.1	10559.9	10107.0	9501.3	8533.7	8383.6	7480.4
12.5°	11463.2	11524.8	11578.4	11674.9	11642.7	11503.4	11096.0	10372.3	9305.6	9112.6	8003.0
15°	11696.3	11803.5	11924.1	12146.6	12326.2	12361.0	12050.1	11307.7	10090.9	9857.7	8531.0
17.5°	11779.4	11881.3	12071.6	12393.2	12779.1	13039.1	12899.7	12216.3	10868.2	10600.1	9085.8
20°	12200.2	12229.7	12344.9	12650.5	13068.6	13500.1	13604.6	13090.0	11637.4	11334.5	9659.4
22.5°	13100.8	13041.8	13073.9	13213.3	13513.5	13931.6	14170.1	13861.9	12428.0	12079.6	10238.3
25°	14588.3	14416.7	14245.2	14084.4	14237.2	14473.0	14743.7	14633.8	13256.2	12814.0	10822.6
27.5°	16467.1	16258.0	15880.1	15352.1	15167.2	15250.3	15370.9	15349.4	14022.7	13575.1	11425.6
30°	18316.4	18072.5	17622.2	16858.4	16370.6	16150.8	16059.7	15998.0	14856.3	14379.2	12034.0
32.5°	19793.2	19600.2	19158.0	18303.0	17595.4	17220.2	16917.3	16697.6	15727.3	15250.3	12677.3
35°	21085.0	20905.5	20398.9	19466.2	18697.0	18297.6	17901.0	17431.9	16633.2	16150.8	13368.8
37.5°	22264.3	22084.7	21390.6	20420.3	19645.8	19369.7	19015.9	18219.9	17541.8	17086.2	14100.5
40°	23009.4	22969.2	22320.6	21221.7	20417.7	20281.0	20163.0	19133.9	18549.6	18126.1	14904.5
42.5°	23199.7	23288.1	22773.5	21870.3	21103.8	20993.9	21270.0	20168.4	19680.6	19275.9	15815.8
45°	22741.4	22996.0	22658.3	22044.5	21591.6	21532.6	22250.9	21299.4	20932.3	20562.4	16914.7
47.5°	21580.9	22012.4	21873.0	21787.2	21722.9	21977.5	23113.9	22500.2	22350.1	22028.5	18169.0
50°	19238.4	20055.8	20299.7	20841.1	21462.9	22323.3	23899.2	23810.8	24006.4	23682.1	19696.7
52.5°	15188.6	16314.3	17729.4	19085.6	20664.2	22208.0	24762.2	25692.3	26517.8	26340.9	22124.9
55°	12537.9	13044.5	14132.6	16619.8	19115.1	21722.9	25150.9	27211.9	29010.3	28852.2	23966.2
57.5°	10501.0	10953.9	11624.0	13701.1	16772.6	20621.4	25392.1	28139.3	30717.6	30701.5	25783.4
60°	8316.6	8796.4	9482.5	10953.9	14036.1	18718.4	25338.5	29195.3	32896.6	33030.6	27999.9
62.5°	5850.8	6378.8	7140.0	8512.3	11240.7	16252.7	24245.0	29959.1	35461.5	35826.1	30666.7
65°	3846.1	4194.5	4768.1	5952.7	8375.6	13082.0	22157.1	30058.3	38206.1	38822.5	33170.0
67.5°	2696.3	2830.3	3168.0	3811.2	5521.2	10031.9	18831.0	29031.8	40036.6	40730.8	34255.5
70°	2103.9	2171.0	2342.5	2599.8	3468.2	6746.0	14430.1	26362.3	39645.3	40369.0	33121.7
72.5°	1817.2	1881.5	1945.8	1978.0	2326.4	4165.0	9774.6	22041.9	35960.1	36450.5	28798.6
75°	1648.3	1664.4	1718.0	1707.3	1774.3	2701.6	5641.8	16059.7	28372.5	28203.6	21259.2
77.5°	1385.7	1407.1	1495.5	1482.1	1575.9	1846.6	2929.4	10364.3	18394.1	17247.0	11833.0
80°	1173.9	1184.6	1281.1	1265.0	1369.6	1337.4	1495.5	5282.6	7802.0	6609.3	3411.9
82.5°	407.4	503.9	978.3	1007.8	1045.3	809.4	863.0	2154.9	2382.7	1825.2	715.6
85°	198.3	211.7	498.5	707.6	704.9	407.4	420.8	769.2	750.5	589.6	238.5
87.5°	32.2	40.2	59.0	276.1	219.8	107.2	144.7	150.1	155.5	134.0	53.6
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°	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1	6092.1
2.5°	6159.1	6025.1	5743.6	5483.7	5280.0	5084.3	4974.4	4880.6	4827.0	4816.3	4816.3
5°	6325.2	6049.2	5537.3	5105.8	4824.3	4615.3	4505.4	4435.7	4400.9	4379.4	4376.7
7.5°	6563.8	6159.1	5430.1	4939.6	4644.8	4494.7	4438.4	4427.7	4425.0	4427.7	4435.7
10°	6893.4	6338.6	5419.3	4899.4	4652.8	4569.7	4567.0	4569.7	4580.4	4583.1	4585.8
12.5°	7249.9	6523.6	5462.2	4934.2	4754.7	4709.1	4701.0	4698.4	4706.4	4711.8	4714.4
15°	7638.5	6767.5	5534.6	5009.3	4867.2	4819.0	4810.9	4794.9	4792.2	4789.5	4786.8
17.5°	8037.9	7008.7	5615.0	5089.7	4939.6	4872.6	4843.1	4805.6	4776.1	4768.1	4776.1
20°	8442.6	7247.2	5671.3	5129.9	4944.9	4851.1	4792.2	4727.8	4676.9	4647.4	4658.2
22.5°	8874.1	7496.5	5706.1	5119.2	4896.7	4768.1	4660.8	4585.8	4508.1	4457.1	4459.8
25°	9294.9	7713.6	5703.4	5062.9	4802.9	4639.4	4502.7	4406.2	4299.0	4245.4	4245.4
27.5°	9699.6	7909.2	5636.4	4963.7	4668.9	4486.6	4323.1	4207.9	4103.4	4052.4	4049.8
30°	10117.7	8072.7	5531.9	4819.0	4510.8	4309.7	4130.2	4031.0	3937.2	3889.0	3886.3
32.5°	10533.1	8222.8	5384.5	4639.4	4328.5	4135.5	3958.6	3867.5	3811.2	3811.2	3813.9
35°	10972.7	8327.3	5188.8	4430.3	4135.5	3950.6	3811.2	3757.6	3752.3	3720.1	3712.1
37.5°	11436.4	8394.3	4950.3	4215.9	3945.2	3771.0	3728.1	3663.8	3610.2	3540.5	3529.8
40°	11924.1	8461.3	4663.5	3993.5	3744.2	3647.7	3629.0	3543.2	3390.4	3218.9	3194.8
42.5°	12516.5	8506.9	4366.0	3771.0	3532.5	3500.3	3527.1	3379.7	3135.8	3007.2	3009.8
45°	13202.6	8582.0	4092.6	3551.2	3315.4	3315.4	3428.0	3235.0	3034.0	2953.6	2967.0
47.5°	14092.4	8756.2	3838.0	3310.0	3114.4	3168.0	3208.2	3060.8	2948.2	2849.0	2846.4
50°	15378.9	9174.3	3575.4	3066.1	2961.6	3068.8	3012.5	2926.8	2795.4	2715.0	2707.0
52.5°	16976.3	9420.9	3342.2	2846.4	2830.3	2937.5	2857.1	2776.7	2677.5	2570.3	2548.9
55°	18064.5	9466.4	3146.5	2685.5	2741.8	2731.1	2701.6	2629.3	2575.7	2433.6	2436.3
57.5°	19281.3	9557.5	2985.7	2589.1	2685.5	2567.6	2556.9	2495.3	2425.6	2329.1	2296.9
60°	20736.6	9699.6	2846.4	2551.5	2637.3	2460.4	2406.8	2382.7	2313.0	2264.8	2278.2
62.5°	22323.3	9828.2	2704.3	2556.9	2581.0	2355.9	2275.5	2267.4	2224.6	2208.5	2208.5
65°	23406.1	9477.1	2527.4	2551.5	2492.6	2248.7	2146.8	2144.1	2109.3	2103.9	2101.3
67.5°	23028.2	8364.9	2288.9	2476.5	2401.4	2141.5	2028.9	2018.2	1972.6	1975.3	1975.3
70°	21135.9	6778.2	1959.2	2291.6	2288.9	2045.0	1905.6	1870.8	1809.1	1819.8	1830.6
72.5°	17587.4	5022.7	1517.0	1983.3	2109.3	1956.5	1763.6	1707.3	1629.6	1640.3	1637.6
75°	12701.4	3414.6	1104.2	1508.9	1835.9	1852.0	1624.2	1527.7	1433.9	1450.0	1455.3
77.5°	6499.5	1935.1	812.1	1039.9	1441.9	1683.2	1498.2	1369.6	1348.1	1498.2	1476.8
80°	2120.0	970.2	562.8	729.0	946.1	1377.6	1313.3	1165.9	1160.5	1195.4	1026.5
82.5°	632.5	410.1	361.8	479.8	522.6	1056.0	1133.7	881.8	758.5	798.7	825.5
85°	217.1	198.3	206.4	238.5	249.3	619.1	793.3	584.3	552.1	608.4	600.4
87.5°	50.9	69.7	59.0	53.6	53.6	150.1	308.2	243.9	337.7	225.1	217.1
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)