

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: P954132

Luminaire Tested: **GALN-SB7C-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954132
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-SB7C-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 43911 lumens
Efficiency: N/A
Efficacy: 125.3 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): 350.5
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

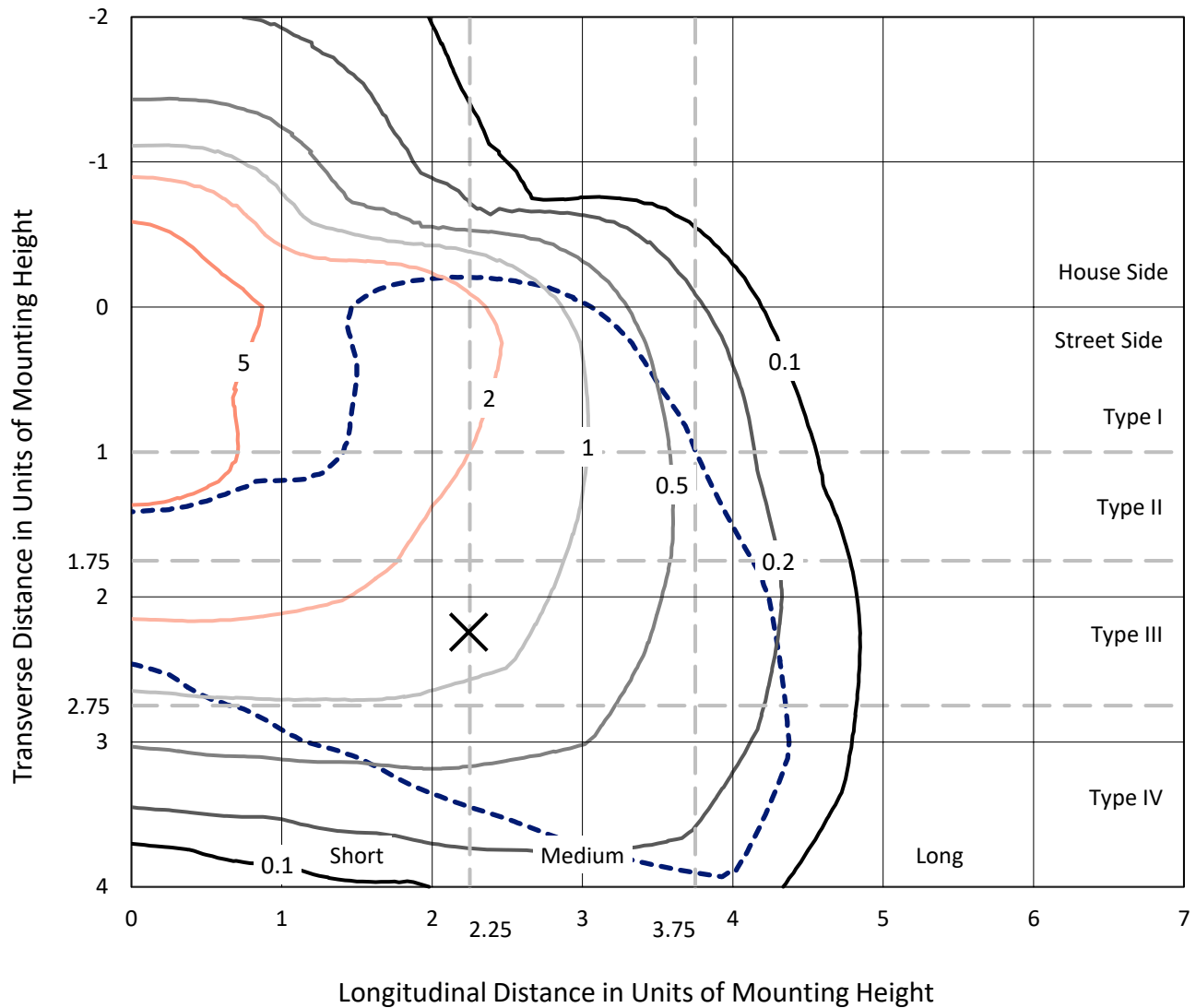


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

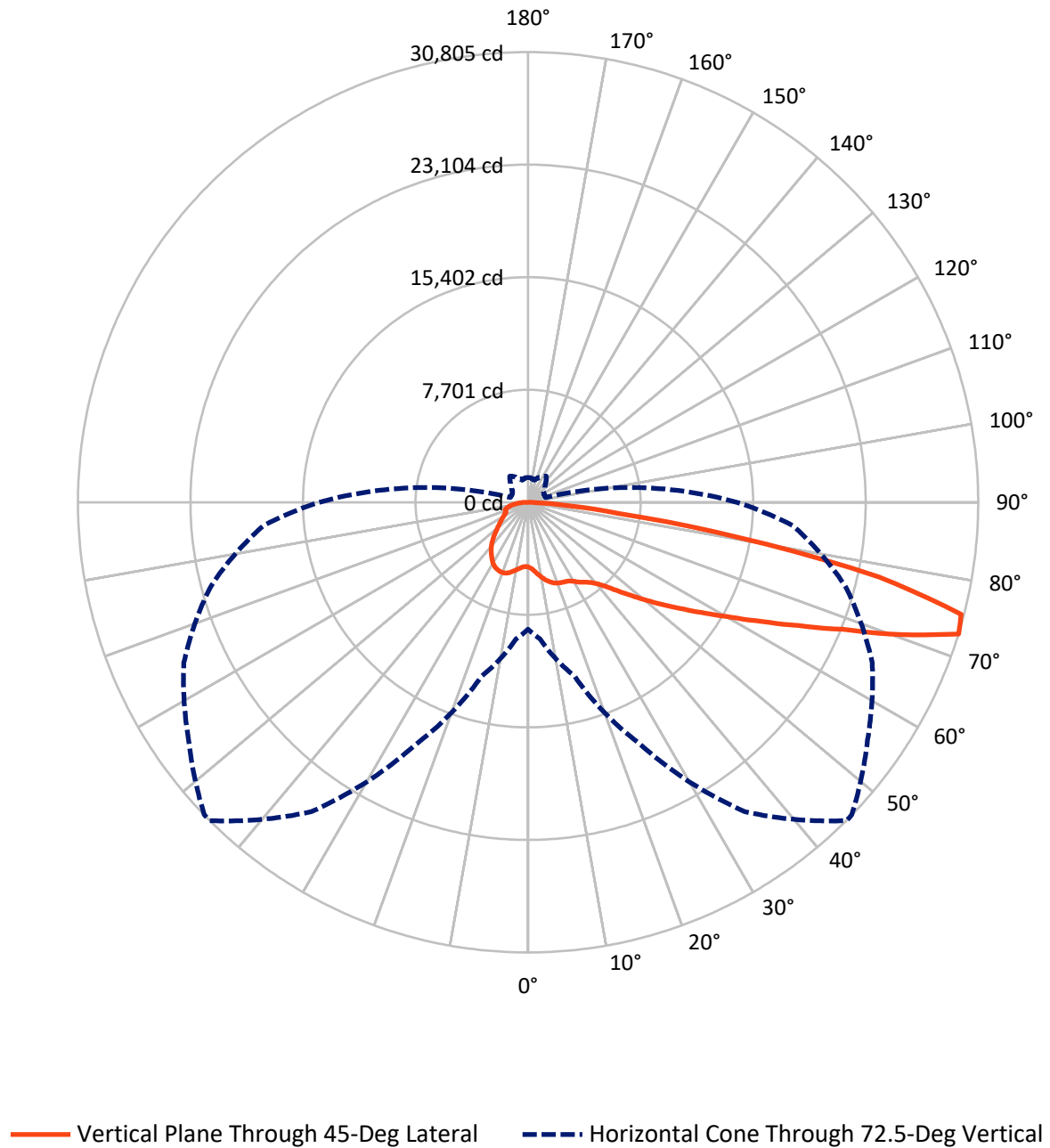


Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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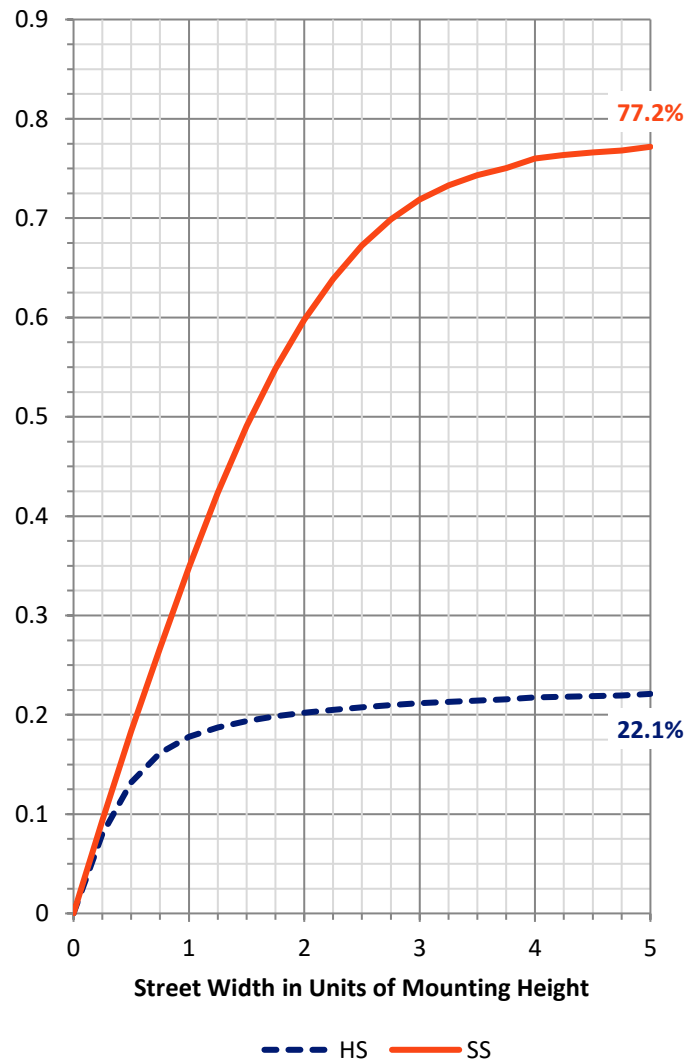
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9926.8	0.0	9926.8
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	33984.2	0.0	33984.2
	% Fixture	77.4	0.0	77.4
Total	Lumens	43911.0	0.0	43911.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.9	1.0
10°-20°	1503.2	3.4
20°-30°	2615.0	6.0
30°-40°	3748.7	8.5
40°-50°	5278.4	12.0
50°-60°	8084.9	18.4
60°-70°	11712.2	26.7
70°-80°	9352.9	21.3
80°-90°	1164.9	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°	43911.0	100.0
0°-180°	43911.0	100.0

Coefficient of Utilization



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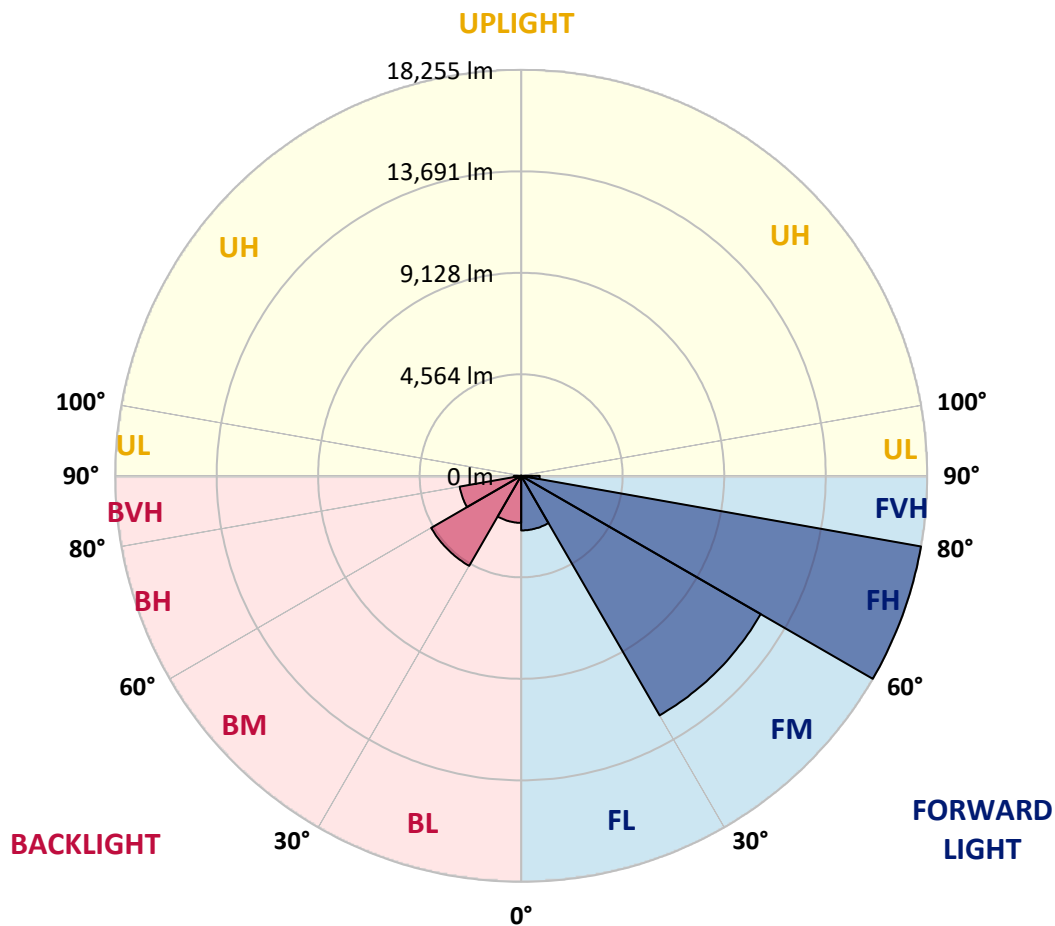
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2455.6	5.6			
FM	(30°-60°)	12437.9	28.3			
FH	(60°-80°)	18255.1	41.6			G5
FVH	(80°-90°)	835.7	1.9			G5
BL	(0°-30°)	2113.5	4.8	B3/2500		
BM	(30°-60°)	4674.1	10.6	B3/5000		
BH	(60°-80°)	2810.0	6.4	B4/5000		G4/5000
BVH	(80°-90°)	329.2	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°	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8
2.5°	4603.3	4633.3	4605.6	4580.1	4568.6	4538.5	4536.2	4517.7	4506.1	4473.7	4464.5
5°	4924.8	4964.1	4917.8	4867.0	4820.7	4746.7	4737.4	4684.2	4624.1	4554.7	4515.4
7.5°	5288.0	5322.7	5269.5	5193.1	5112.2	4989.6	4987.2	4890.1	4795.2	4677.3	4610.2
10°	5604.9	5651.1	5579.4	5475.3	5373.5	5234.8	5218.6	5107.5	4987.2	4834.6	4732.8
12.5°	5884.8	5917.1	5847.8	5720.5	5602.6	5463.8	5442.9	5320.3	5186.2	5012.7	4883.2
15°	6106.8	6148.5	6055.9	5919.5	5794.5	5658.1	5639.6	5528.5	5394.4	5211.6	5045.1
17.5°	6252.6	6287.3	6192.4	6039.7	5919.5	5806.1	5792.2	5699.7	5581.7	5396.7	5218.6
20°	6308.1	6345.1	6245.6	6090.6	5979.6	5891.7	5884.8	5817.7	5736.7	5567.9	5387.4
22.5°	6363.6	6398.3	6268.8	6106.8	6009.7	5954.2	5951.8	5907.9	5875.5	5736.7	5560.9
25°	6588.0	6597.2	6423.7	6190.1	6051.3	6002.7	6000.4	5998.1	6012.0	5903.3	5748.3
27.5°	6782.3	6780.0	6631.9	6412.2	6197.0	6095.3	6093.0	6116.1	6160.0	6069.8	5942.6
30°	7066.8	7041.4	6865.6	6636.6	6439.9	6282.6	6268.8	6247.9	6282.6	6210.9	6136.9
32.5°	7670.5	7589.6	7305.1	6897.9	6641.2	6520.9	6502.4	6372.8	6386.7	6342.8	6305.8
35°	8535.7	8429.3	8049.9	7393.0	6891.0	6719.8	6710.6	6546.3	6518.6	6479.3	6493.1
37.5°	9565.1	9433.2	8991.4	8110.1	7321.3	6951.1	6937.3	6789.2	6675.9	6634.2	6712.9
40°	10599.1	10432.5	10067.0	8984.4	7955.1	7337.4	7293.5	7069.1	6939.6	6870.2	7036.7
42.5°	11603.0	11464.2	11151.9	9965.2	8736.9	7901.9	7804.7	7420.7	7323.6	7258.8	7559.5
45°	12491.2	12366.3	12137.3	11013.1	9653.0	8669.8	8575.0	7948.1	7918.1	7918.1	8352.9
47.5°	13213.0	13185.2	12942.3	12081.8	10733.2	9544.2	9380.0	8681.4	8762.4	8887.3	9479.5
50°	14013.3	13937.0	13677.9	13134.3	12003.2	10545.8	10411.7	9581.2	9884.3	10226.6	11108.0
52.5°	14748.9	14790.6	14501.4	14230.8	13437.3	11663.1	11427.2	10643.0	11297.6	11864.4	13016.3
55°	15505.3	15507.6	15426.7	15389.7	14940.9	12898.4	12639.3	11919.9	12960.8	13664.0	15241.6
57.5°	16215.5	16220.1	16340.4	16666.6	16685.1	14323.3	14029.5	13488.2	14809.1	15526.2	17536.3
60°	16849.3	16881.7	17210.2	17973.5	18218.7	15956.4	15678.8	15341.1	16719.8	17441.5	19949.0
62.5°	17062.1	17180.1	17911.1	18995.9	19733.9	17959.6	17686.7	17485.4	18727.6	19398.4	21966.1
65°	16701.3	16971.9	18385.3	19840.3	21292.9	20339.9	20069.3	19849.5	20814.1	21445.6	23622.3
67.5°	15815.3	16164.6	18357.5	20726.2	23185.1	23203.6	22951.5	22435.7	23051.0	23293.9	24161.3
70°	13481.3	14004.1	16740.6	21057.0	25357.2	27119.9	26877.0	25549.2	25283.2	24108.1	22643.8
72.5°	8686.0	9389.3	12327.0	18334.4	25840.7	30804.8	30790.9	28359.8	25988.7	22525.9	18160.9
75°	3169.1	3599.3	5727.5	11508.1	21690.8	30617.4	30707.6	27878.6	23724.1	17399.8	11313.8
77.5°	1154.3	1263.0	1869.1	4422.8	13340.2	24566.1	24753.5	22287.6	16886.3	8732.3	4483.0
80°	606.1	666.2	957.7	1716.4	5715.9	14589.3	14883.1	13245.3	7936.6	2630.1	1344.0
82.5°	335.4	363.2	536.7	932.2	2574.6	6238.7	6414.5	5232.4	2792.0	1115.0	555.2
85°	180.4	192.0	252.1	508.9	1258.4	2162.8	2211.4	1563.7	1112.6	654.6	268.3
87.5°	53.2	64.8	83.3	161.9	492.7	485.8	497.3	310.0	439.5	330.8	87.9
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°	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8	4429.8
2.5°	4450.6	4443.6	4418.2	4406.6	4392.8	4390.4	4402.0	4404.3	4406.6	4408.9	4418.2
5°	4492.2	4469.1	4446.0	4432.1	4436.7	4439.0	4462.1	4478.3	4489.9	4499.2	4503.8
7.5°	4573.2	4554.7	4515.4	4513.0	4520.0	4540.8	4570.9	4607.9	4628.7	4644.9	4649.5
10°	4693.5	4658.8	4612.5	4619.4	4633.3	4663.4	4725.9	4755.9	4790.6	4820.7	4813.8
12.5°	4816.1	4786.0	4732.8	4737.4	4760.6	4813.8	4873.9	4910.9	4934.0	4957.2	4966.4
15°	4975.7	4922.5	4864.6	4864.6	4906.3	4964.1	4991.9	5021.9	5035.8	5061.3	5070.5
17.5°	5139.9	5070.5	4994.2	4989.6	5040.4	5068.2	5084.4	5089.0	5093.7	5121.4	5130.7
20°	5304.2	5227.8	5119.1	5109.8	5121.4	5116.8	5114.5	5109.8	5116.8	5151.5	5165.4
22.5°	5466.1	5378.2	5227.8	5186.2	5153.8	5109.8	5107.5	5105.2	5109.8	5144.5	5167.7
25°	5655.8	5549.4	5348.1	5223.2	5114.5	5054.3	5061.3	5063.6	5068.2	5096.0	5133.0
27.5°	5861.6	5743.7	5459.1	5211.6	5015.0	4973.4	4961.8	4968.7	4984.9	5028.9	5072.8
30°	6067.5	5928.7	5560.9	5165.4	4890.1	4832.3	4795.2	4811.4	4862.3	4906.3	4954.9
32.5°	6254.9	6116.1	5641.9	5063.6	4730.5	4640.3	4591.7	4612.5	4663.4	4679.6	4737.4
35°	6474.6	6317.3	5676.6	4901.7	4557.0	4418.2	4353.4	4323.4	4348.8	4332.6	4383.5
37.5°	6719.8	6555.6	5672.0	4688.8	4353.4	4193.8	4103.6	3990.3	3937.1	3881.5	3916.2
40°	7083.0	6847.1	5616.4	4432.1	4101.3	3955.6	3793.6	3601.6	3481.4	3372.6	3379.6
42.5°	7578.0	7251.9	5514.7	4149.9	3816.8	3680.3	3460.5	3236.2	3046.5	2866.0	2849.9
45°	8315.9	7781.6	5387.4	3849.2	3509.1	3374.9	3136.7	2884.6	2669.4	2438.1	2410.3
47.5°	9380.0	8494.0	5267.1	3506.8	3185.3	3062.7	2847.5	2613.9	2359.5	2135.1	2109.6
50°	10841.9	9516.5	5156.1	3173.7	2866.0	2773.5	2602.3	2364.1	2107.3	1926.9	1915.3
52.5°	12701.7	10906.7	5109.8	2852.2	2567.6	2532.9	2396.5	2174.4	1931.5	1778.8	1767.3
55°	14836.8	12569.9	5109.8	2544.5	2306.3	2317.8	2223.0	2017.1	1806.6	1670.1	1656.2
57.5°	17015.9	14253.9	5017.3	2260.0	2084.2	2132.8	2072.6	1892.2	1702.5	1561.4	1538.3
60°	19023.7	15664.9	4642.6	2000.9	1887.6	1963.9	1924.6	1769.6	1538.3	1420.3	1401.8
62.5°	20566.6	16460.7	3920.9	1795.0	1725.6	1813.5	1792.7	1607.7	1508.2	1459.6	1443.4
65°	21339.2	16331.1	2997.9	1612.3	1589.2	1725.6	1681.7	1674.8	1596.1	1540.6	1522.1
67.5°	20865.0	15216.2	2174.4	1478.1	1510.5	1644.7	1813.5	1841.3	1695.6	1586.9	1568.3
70°	18785.4	13199.1	1619.2	1350.9	1411.0	1647.0	2068.0	1926.9	1663.2	1536.0	1515.1
72.5°	14290.9	9842.6	1256.1	1216.7	1281.5	1658.6	2181.3	1887.6	1570.7	1697.9	1684.0
75°	8172.5	5403.6	1008.6	1052.5	1119.6	1549.8	2123.5	1785.8	1498.9	1559.1	1559.1
77.5°	3115.9	2077.2	832.7	890.6	899.8	1353.2	2031.0	1778.8	1427.2	1392.5	1269.9
80°	1080.3	811.9	689.3	707.8	696.3	1202.9	1947.7	1547.5	1168.2	1045.6	1010.9
82.5°	441.8	404.8	545.9	522.8	495.0	934.5	1573.0	1265.3	955.3	844.3	835.1
85°	192.0	256.8	360.9	316.9	286.8	647.7	1260.7	1071.0	807.3	696.3	694.0
87.5°	39.3	97.2	152.7	143.4	148.0	432.6	895.2	761.0	571.4	427.9	335.4
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)