

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: P952697

Luminaire Tested: **GALN-SB6C-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6C-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31764 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 300.9
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



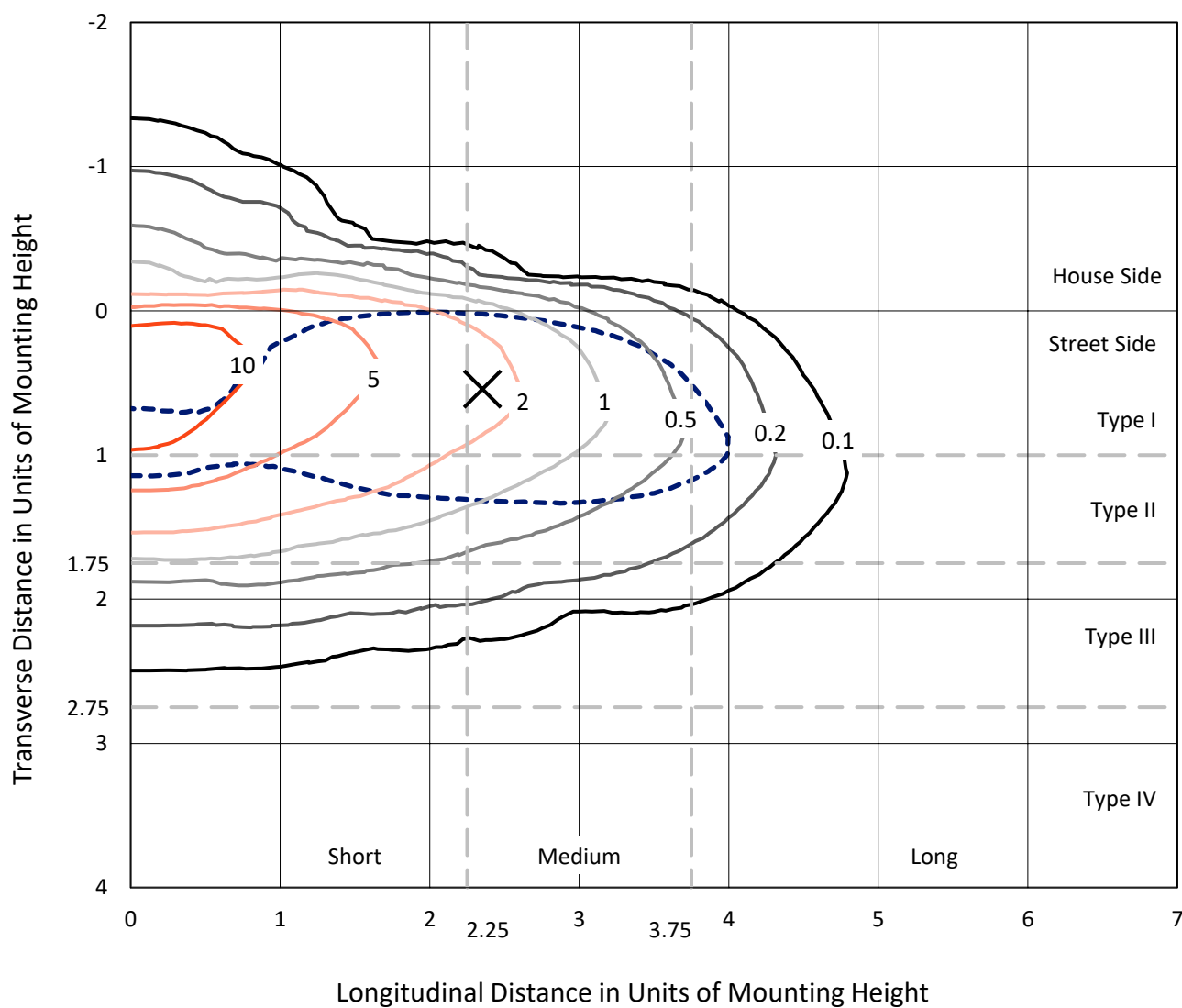
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

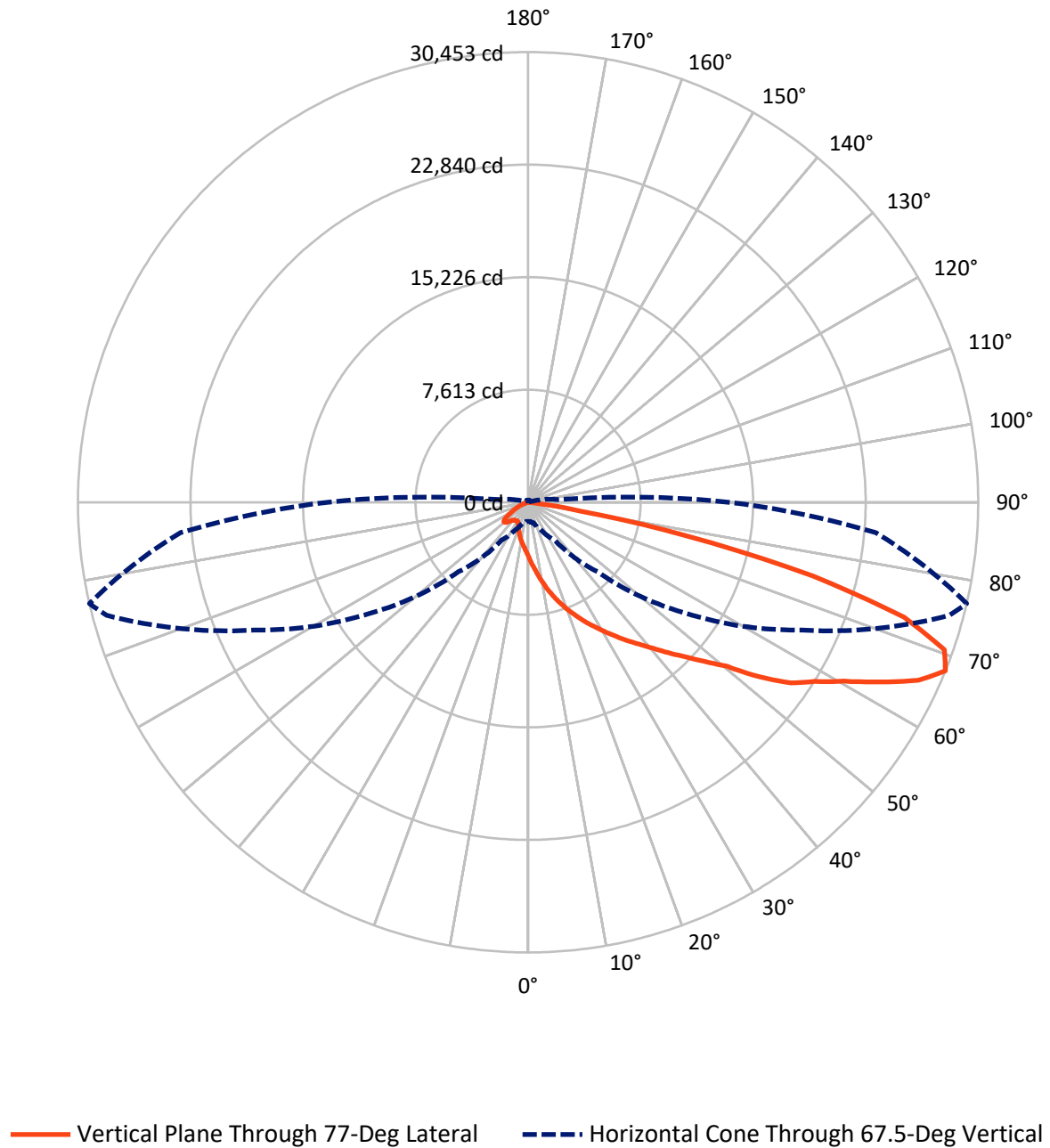
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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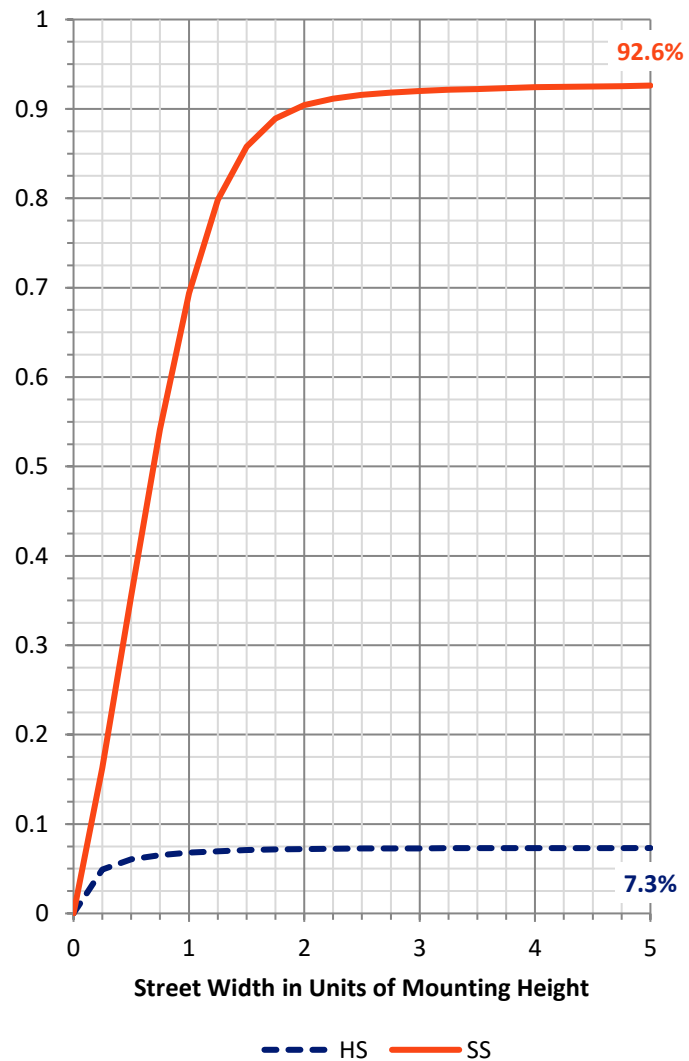
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2336.9	0.0	2336.9
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	29427.1	0.0	29427.1
	% Fixture	92.6	0.0	92.6
Total	Lumens	31764.0	0.0	31764.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.9	1.2
10°-20°	1309.2	4.1
20°-30°	2526.4	8.0
30°-40°	4385.9	13.8
40°-50°	6368.2	20.0
50°-60°	7313.0	23.0
60°-70°	6349.1	20.0
70°-80°	2990.5	9.4
80°-90°	147.9	0.5
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°	31764.0	100.0
0°-180°	31764.0	100.0

Coefficient of Utilization



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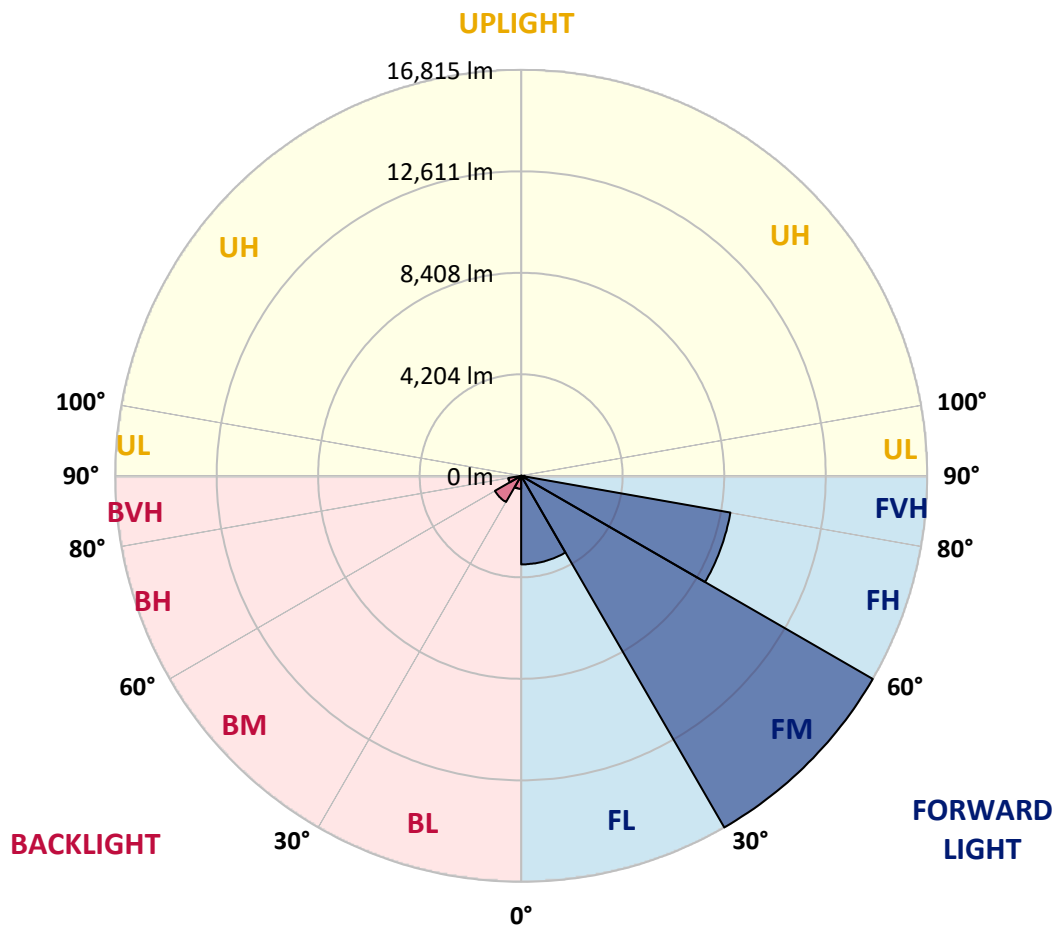
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3668.4	11.5			
FM	(30°-60°)	16815.0	52.9			
FH	(60°-80°)	8798.5	27.7			G4/12000
FVH	(80°-90°)	145.2	0.5			G2/225
BL	(0°-30°)	541.0	1.7	B2/1000		
BM	(30°-60°)	1252.1	3.9	B2/2500		
BH	(60°-80°)	541.0	1.7	B2/1000		G2/1000
BVH	(80°-90°)	2.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9
2.5°	5071.2	5102.8	5057.4	4970.6	4840.4	4755.6	4548.5	4353.2	4136.2	4067.2	3850.2
5°	6181.7	6209.3	6158.0	6063.3	5889.8	5724.1	5451.9	5043.6	4619.5	4483.4	4098.8
7.5°	7004.2	7020.0	7000.3	6913.5	6747.8	6560.4	6256.6	5773.4	5144.2	4994.3	4404.5
10°	7595.9	7647.2	7641.3	7607.8	7497.3	7345.4	7022.0	6471.6	5732.0	5538.7	4749.7
12.5°	7988.5	8045.7	8079.2	8154.1	8148.2	8051.6	7767.5	7185.7	6317.8	6091.0	5138.3
15°	8102.9	8164.0	8292.2	8465.8	8619.6	8669.0	8469.7	7885.9	6962.8	6672.8	5536.7
17.5°	8037.8	8132.4	8286.3	8560.5	8897.8	9120.6	9099.0	8562.4	7548.6	7217.2	5927.2
20°	8181.8	8272.5	8392.8	8623.6	9016.1	9420.5	9582.2	9209.4	8130.5	7783.3	6337.5
22.5°	8978.6	8962.9	8974.7	9012.2	9246.9	9647.3	9980.6	9797.2	8706.4	8351.4	6771.5
25°	10241.0	10170.0	10049.7	9846.5	9787.3	9980.6	10327.8	10317.9	9314.0	8933.3	7215.3
27.5°	11688.8	11677.0	11394.9	10905.7	10629.6	10554.6	10720.3	10824.9	9915.6	9509.2	7661.0
30°	13075.4	13107.0	12726.3	12181.9	11675.0	11381.1	11231.2	11306.1	10527.0	10130.5	8120.6
32.5°	14282.6	14316.1	13901.9	13264.8	12637.5	12282.5	11966.9	11781.5	11193.7	10761.7	8625.6
35°	15302.3	15335.9	14860.5	14156.3	13487.7	13166.2	12809.1	12302.2	11864.3	11462.0	9187.7
37.5°	16213.6	16203.7	15566.6	14856.6	14199.7	13945.3	13757.9	12943.3	12554.7	12166.1	9811.0
40°	16752.1	16793.5	16249.1	15466.0	14828.9	14643.5	14631.7	13738.2	13351.6	12974.8	10493.5
42.5°	16909.9	16982.9	16588.4	15945.4	15367.4	15166.2	15475.9	14598.2	14278.6	13911.8	11264.7
45°	16625.9	16696.9	16517.4	16071.6	15734.3	15604.1	16201.8	15489.7	15268.8	14905.9	12134.6
47.5°	15797.4	15886.2	15929.6	15834.9	15831.0	15963.1	16852.7	16428.6	16444.4	16073.6	13142.5
50°	14193.8	14343.7	14742.2	15077.5	15596.2	16247.1	17485.8	17446.4	17769.9	17450.3	14456.2
52.5°	11278.5	11491.5	12864.4	13781.6	14947.3	16193.9	18182.1	19079.6	20095.4	19627.9	16308.3
55°	9063.4	9063.4	10179.9	11895.9	13681.0	15842.8	18485.9	20140.8	21679.3	21568.8	17612.1
57.5°	7388.8	7477.6	8189.6	9706.5	11848.6	15006.5	18673.3	20807.5	22955.5	22874.6	18886.3
60°	4560.3	4751.7	6096.9	7594.0	9763.7	13517.3	18554.9	21482.0	24503.9	24568.9	20420.9
62.5°	2568.1	2639.1	3238.8	5463.7	7592.0	11515.2	17649.6	21858.8	26484.2	26760.3	22002.8
65°	1773.2	1808.7	2039.5	3400.5	5262.5	9168.0	15880.3	21624.1	28468.5	29026.7	23344.1
67.5°	1288.0	1305.8	1449.8	2077.0	3122.4	6647.2	13107.0	20440.6	29519.8	30452.8	23600.5
70°	990.2	1002.0	1106.5	1364.9	1844.2	4102.7	9519.1	18087.4	28758.5	29872.9	22286.8
72.5°	804.8	816.6	897.5	1009.9	1222.9	2426.1	5769.4	14688.9	25397.4	26600.6	18973.1
75°	678.5	694.3	767.3	840.3	958.6	1558.2	2706.2	10229.2	19099.3	19888.3	13193.8
77.5°	376.7	347.2	623.3	696.3	808.7	986.2	1266.3	6019.9	10696.6	10915.6	5854.3
80°	234.7	242.6	495.1	560.2	621.3	497.1	579.9	2317.6	3708.2	3522.8	1134.2
82.5°	13.8	31.6	380.7	404.4	426.1	213.0	218.9	787.0	893.5	820.5	201.2
85°	0.0	0.0	173.6	140.0	147.9	61.1	63.1	183.4	120.3	130.2	39.4
87.5°	0.0	0.0	0.0	3.9	0.0	5.9	11.8	15.8	5.9	7.9	13.8
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°	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9	3662.9
2.5°	3712.2	3574.1	3294.0	3019.8	2796.9	2589.8	2441.9	2301.9	2230.9	2226.9	2223.0
5°	3824.6	3534.6	2974.5	2479.4	2080.9	1761.4	1554.3	1406.4	1331.4	1305.8	1301.8
7.5°	3982.4	3546.5	2694.4	2006.0	1536.5	1262.4	1144.0	1096.7	1080.9	1063.2	1059.2
10°	4181.6	3574.1	2443.9	1615.4	1211.1	1073.0	1025.7	1006.0	994.1	982.3	978.3
12.5°	4404.5	3599.7	2195.3	1341.3	1065.1	994.1	960.6	936.9	921.1	907.3	903.4
15°	4621.5	3615.5	1937.0	1149.9	990.2	933.0	897.5	871.8	850.1	834.4	832.4
17.5°	4836.5	3637.2	1694.3	1035.5	929.0	871.8	836.3	804.8	787.0	769.3	767.3
20°	5075.1	3633.3	1465.5	954.7	867.9	810.7	773.2	743.6	725.9	706.1	704.2
22.5°	5296.1	3613.5	1264.3	885.6	804.8	749.5	708.1	678.5	660.8	645.0	643.0
25°	5550.5	3597.8	1096.7	822.5	745.6	690.4	645.0	617.4	597.7	583.8	581.9
27.5°	5795.1	3574.1	974.4	765.3	688.4	635.1	591.7	560.2	542.4	532.6	532.6
30°	6035.7	3568.2	929.0	710.1	637.1	583.8	540.5	510.9	497.1	493.1	491.1
32.5°	6325.7	3584.0	948.8	690.4	589.8	536.5	495.1	473.4	459.6	459.6	459.6
35°	6635.4	3580.0	978.3	708.1	558.2	489.2	457.6	443.8	430.0	430.0	430.0
37.5°	7023.9	3585.9	1002.0	737.7	546.4	449.7	432.0	414.2	406.3	406.3	406.3
40°	7603.8	3781.2	990.2	763.3	542.4	422.1	386.6	380.7	374.8	374.8	374.8
42.5°	8313.9	4205.3	1006.0	765.3	540.5	402.4	355.0	366.9	353.1	351.1	349.1
45°	9091.1	4668.8	1106.5	723.9	538.5	392.5	339.3	353.1	331.4	331.4	331.4
47.5°	9862.3	5128.4	1209.1	664.7	532.6	390.5	325.5	317.6	311.6	313.6	313.6
50°	10925.4	5503.2	1248.6	583.8	518.8	386.6	299.8	301.8	297.8	301.8	301.8
52.5°	12083.3	5582.1	1201.2	493.1	479.3	374.8	282.1	290.0	288.0	291.9	291.9
55°	12805.2	5497.2	992.1	410.3	418.2	327.4	264.3	280.1	280.1	280.1	280.1
57.5°	13550.8	5136.3	704.2	333.3	347.2	268.3	248.5	270.2	268.3	266.3	266.3
60°	14087.3	4552.4	463.5	274.2	276.1	220.9	230.8	254.4	252.5	242.6	242.6
62.5°	14487.7	3907.4	297.8	232.8	211.1	199.2	211.1	230.8	222.9	201.2	197.2
65°	14442.3	3013.9	228.8	199.2	173.6	173.6	183.4	201.2	177.5	142.0	138.1
67.5°	13600.1	2039.5	189.4	167.7	146.0	144.0	151.9	167.7	151.9	120.3	116.4
70°	12095.1	1333.4	151.9	130.2	116.4	106.5	122.3	144.0	128.2	96.7	92.7
72.5°	9816.9	812.7	114.4	94.7	84.8	69.0	96.7	118.3	102.6	71.0	67.1
75°	6351.3	414.2	78.9	61.1	45.4	41.4	71.0	88.8	71.0	43.4	37.5
77.5°	2430.1	173.6	43.4	27.6	23.7	19.7	39.4	53.3	29.6	9.9	7.9
80°	467.5	73.0	21.7	13.8	11.8	7.9	5.9	3.9	0.0	0.0	0.0
82.5°	80.9	23.7	7.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)