

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: P952367

Luminaire Tested: **GALN-SB6B-727-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6B-727-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24397 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

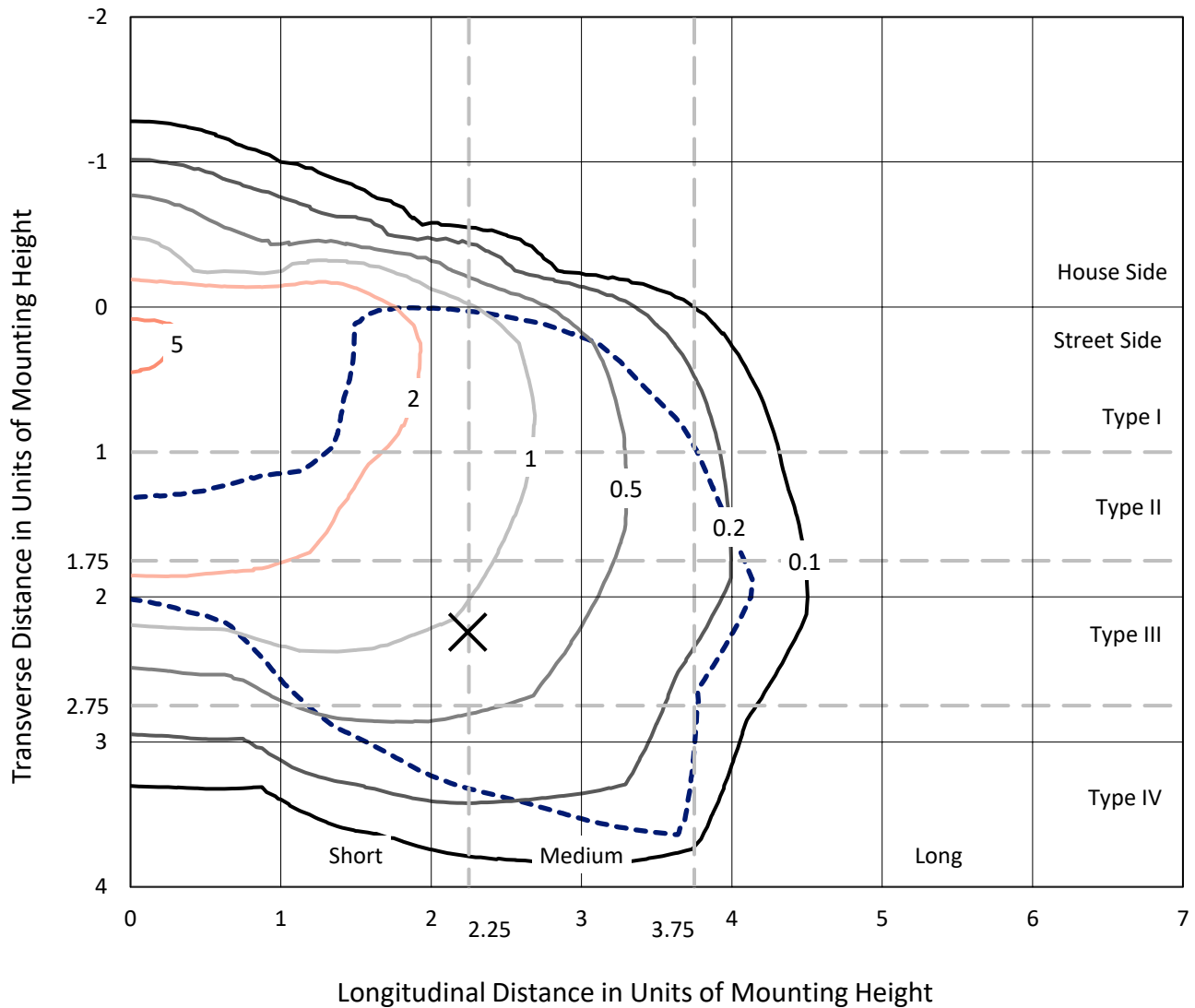
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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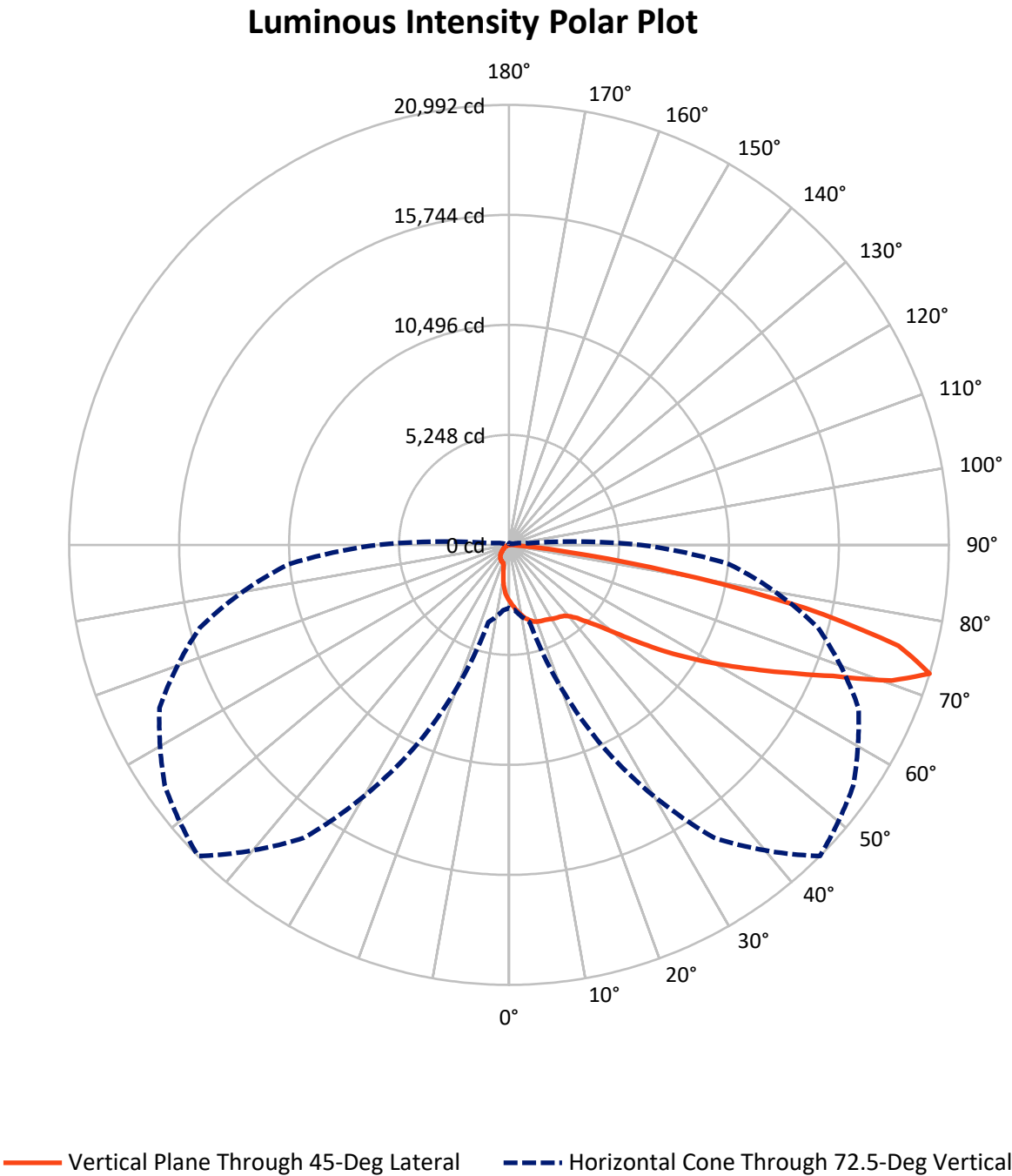
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - N/A

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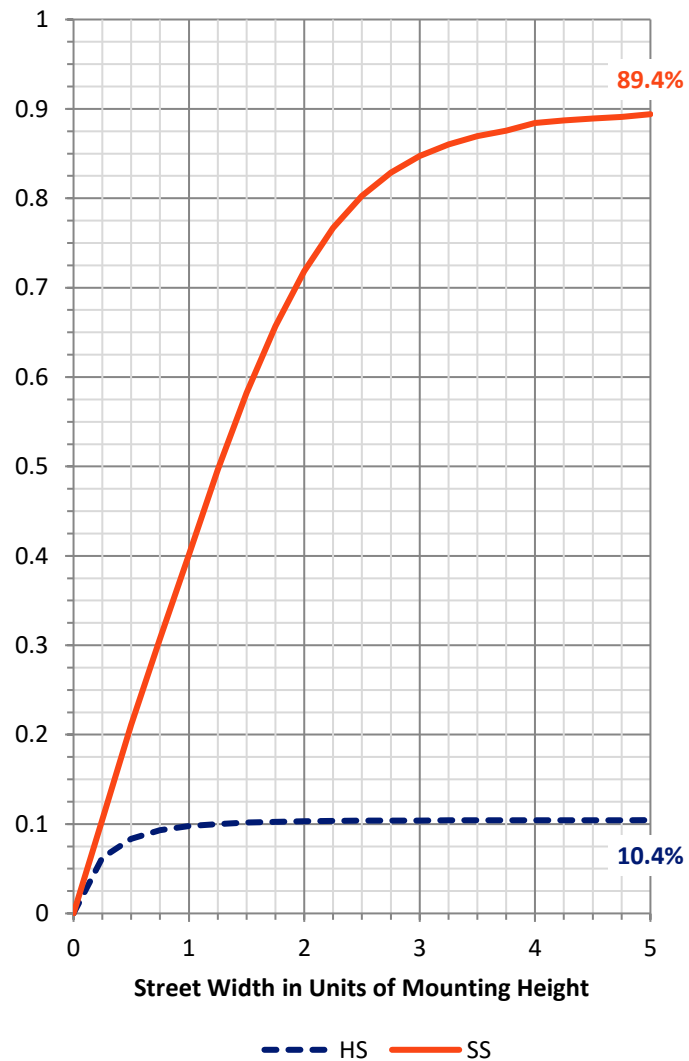
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2563.5	0.0	2563.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	21833.6	0.0	21833.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	24397.0	0.0	24397.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.8	1.0
10°-20°	736.0	3.0
20°-30°	1208.6	5.0
30°-40°	1714.1	7.0
40°-50°	2833.2	11.6
50°-60°	5089.5	20.9
60°-70°	7067.0	29.0
70°-80°	5126.2	21.0
80°-90°	370.6	1.5
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°	24397.0	100.0
0°-180°	24397.0	100.0

Coefficient of Utilization



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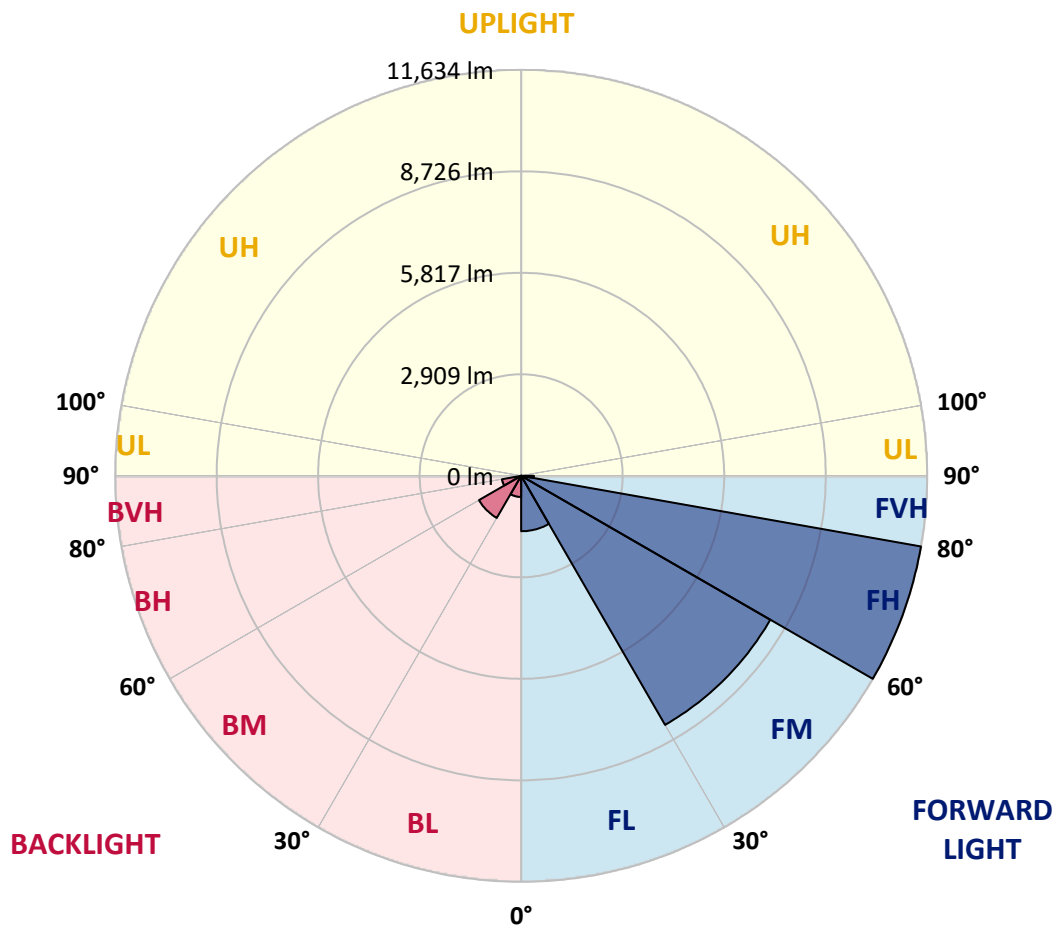
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1589.2	6.5			
FM	(30°-60°)	8242.6	33.8			
FH	(60°-80°)	11634.2	47.7			G4/12000
FVH	(80°-90°)	367.5	1.5			G3/500
BL	(0°-30°)	607.2	2.5	B2/1000		
BM	(30°-60°)	1394.2	5.7	B2/2500		
BH	(60°-80°)	559.0	2.3	B2/1000		G2/1000
BVH	(80°-90°)	3.1	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7
2.5°	2919.2	2924.2	2920.9	2900.9	2867.6	2849.3	2839.3	2806.0	2784.3	2746.0	2706.0
5°	3187.3	3207.3	3195.6	3155.7	3092.4	3047.4	3034.1	2965.8	2904.2	2832.6	2749.3
7.5°	3472.1	3482.1	3460.4	3408.8	3323.9	3247.3	3235.6	3140.7	3042.4	2932.5	2819.3
10°	3718.5	3730.2	3696.9	3621.9	3525.4	3430.4	3413.8	3308.9	3192.3	3057.4	2912.5
12.5°	3925.0	3936.7	3893.4	3803.5	3696.9	3598.6	3582.0	3472.1	3343.8	3194.0	3014.1
15°	4081.6	4103.2	4044.9	3948.3	3833.4	3735.2	3726.9	3618.6	3493.7	3327.2	3135.7
17.5°	4173.1	4194.8	4139.8	4023.3	3925.0	3841.8	3831.8	3741.8	3625.3	3465.4	3253.9
20°	4188.1	4208.1	4149.8	4048.2	3966.7	3900.0	3895.0	3830.1	3745.2	3592.0	3382.1
22.5°	4143.2	4168.1	4114.9	4033.3	3976.6	3941.7	3935.0	3898.4	3850.1	3720.2	3502.0
25°	4096.5	4116.5	4076.6	4005.0	3975.0	3971.6	3976.6	3970.0	3960.0	3850.1	3641.9
27.5°	4093.2	4114.9	4069.9	4001.6	3985.0	4019.9	4024.9	4056.6	4064.9	3968.3	3776.8
30°	4121.5	4136.5	4093.2	4021.6	4013.3	4093.2	4094.9	4151.5	4164.8	4068.2	3910.0
32.5°	4183.1	4199.8	4156.5	4051.6	4039.9	4151.5	4156.5	4231.4	4253.1	4174.8	4049.9
35°	4328.0	4348.0	4298.0	4134.8	4093.2	4206.4	4221.4	4309.7	4353.0	4288.0	4194.8
37.5°	4689.4	4631.1	4562.8	4303.0	4214.8	4293.0	4318.0	4421.3	4497.9	4422.9	4368.0
40°	5586.9	5403.8	5190.6	4589.5	4427.9	4477.9	4497.9	4601.1	4706.0	4632.8	4606.1
42.5°	6934.1	6717.7	6374.6	5248.9	4749.3	4774.3	4789.3	4879.2	5027.4	4969.1	4975.8
45°	8134.8	8056.5	7706.8	6374.6	5350.5	5227.3	5245.6	5292.2	5510.3	5488.7	5532.0
47.5°	9057.4	9012.4	8742.6	7666.9	6366.3	5781.8	5833.4	5855.1	6169.8	6246.4	6363.0
50°	9766.8	9750.1	9508.6	8815.9	7693.5	6599.4	6617.7	6571.1	7042.4	7232.2	7453.7
52.5°	10436.2	10492.8	10314.6	9883.3	9110.6	7670.2	7666.9	7447.0	8083.2	8369.6	8747.6
55°	11040.7	11060.7	11079.0	10972.4	10536.1	8889.2	8857.5	8497.8	9290.5	9586.9	9996.6
57.5°	11608.5	11616.9	11780.1	11998.2	12019.9	10198.1	10139.8	9708.5	10609.4	10820.9	11072.3
60°	11989.9	12028.2	12372.9	12979.0	13243.8	11548.6	11516.9	11077.3	11951.6	12049.8	12003.2
62.5°	11440.3	11673.5	12542.7	13745.1	14399.5	13045.7	13030.7	12617.7	13363.7	13283.8	12884.1
65°	9260.5	9655.2	11183.9	14263.0	15533.6	14717.6	14739.2	14299.6	14814.2	14554.4	13600.2
67.5°	6477.9	6894.2	8702.7	14304.6	16800.8	16680.9	16805.8	16116.4	16354.5	15771.7	13770.0
70°	4479.6	4694.4	5871.7	13408.7	17788.3	19385.3	19382.0	18347.8	17886.6	16326.2	12904.1
72.5°	3012.5	3124.0	3813.4	10637.7	17062.3	20992.3	20895.7	20053.1	18402.8	15268.8	10542.8
75°	1270.6	1352.2	1765.2	5978.3	13498.6	19205.5	18944.0	17721.7	16351.2	12023.2	6577.8
77.5°	403.0	438.0	696.1	2139.9	7435.4	14436.1	14159.7	11067.3	10959.1	6031.6	2404.6
80°	191.5	223.1	391.3	859.3	2925.9	7851.7	7813.4	5020.8	4714.4	1628.6	482.9
82.5°	83.3	98.3	216.5	459.6	1308.9	2801.0	2857.6	1708.6	1413.8	617.8	148.2
85°	26.6	35.0	99.9	211.5	552.9	696.1	687.8	406.3	569.5	336.4	51.6
87.5°	0.0	0.0	33.3	48.3	56.6	40.0	45.0	35.0	158.2	93.3	18.3
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°	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7	2672.7
2.5°	2686.1	2659.4	2612.8	2569.5	2531.2	2492.9	2469.6	2436.3	2432.9	2432.9	2441.3
5°	2704.4	2661.1	2577.8	2489.6	2388.0	2291.4	2194.8	2101.6	2071.6	2049.9	2059.9
7.5°	2757.7	2689.4	2557.8	2389.6	2196.5	1985.0	1836.8	1676.9	1615.3	1582.0	1587.0
10°	2834.3	2741.0	2541.2	2246.4	1933.4	1645.3	1433.8	1260.6	1194.0	1165.7	1165.7
12.5°	2919.2	2804.3	2511.2	2068.3	1645.3	1300.6	1094.1	1014.1	1004.2	1004.2	1004.2
15°	3020.8	2880.9	2459.6	1858.4	1343.9	1029.1	955.9	959.2	969.2	975.8	975.8
17.5°	3125.7	2962.5	2378.0	1623.6	1077.4	925.9	927.6	932.5	940.9	947.5	947.5
20°	3238.9	3044.1	2269.8	1373.8	924.2	895.9	900.9	905.9	912.6	915.9	917.6
22.5°	3360.5	3120.7	2141.5	1129.0	872.6	870.9	872.6	877.6	885.9	885.9	889.2
25°	3490.4	3205.6	1995.0	950.9	846.0	846.0	849.3	852.6	859.3	859.3	860.9
27.5°	3623.6	3283.9	1840.1	857.6	822.6	821.0	821.0	826.0	829.3	831.0	832.6
30°	3770.1	3375.5	1685.2	837.6	804.3	796.0	791.0	794.3	797.7	799.3	802.7
32.5°	3920.0	3463.7	1547.0	846.0	786.0	771.0	754.4	751.0	751.0	757.7	762.7
35°	4086.5	3560.3	1440.5	874.3	776.0	734.4	707.7	692.7	694.4	704.4	709.4
37.5°	4286.4	3676.9	1362.2	899.2	769.4	692.7	649.5	631.1	619.5	631.1	627.8
40°	4547.8	3848.4	1305.6	919.2	761.0	644.5	586.2	556.2	534.5	541.2	537.9
42.5°	4932.5	4118.2	1283.9	920.9	742.7	587.8	521.2	481.3	449.6	451.3	444.6
45°	5472.0	4544.5	1395.5	899.2	702.7	526.2	453.0	399.7	379.7	374.7	368.0
47.5°	6211.4	5165.6	1653.6	854.3	644.5	466.3	386.3	341.4	326.4	318.1	313.1
50°	7202.3	5963.3	1940.0	804.3	586.2	409.7	331.4	303.1	293.1	284.8	283.1
52.5°	8351.3	6772.6	2174.8	754.4	527.9	359.7	296.4	279.8	271.4	264.8	263.1
55°	9405.4	7330.5	2161.5	701.1	471.3	319.7	271.4	261.4	251.5	244.8	241.5
57.5°	10061.5	7408.7	1781.8	642.8	406.3	288.1	248.1	241.5	229.8	221.5	219.8
60°	10362.9	6962.5	1248.9	566.2	341.4	258.1	223.1	219.8	204.8	193.2	189.8
62.5°	10417.9	6133.2	832.6	471.3	284.8	229.8	198.2	193.2	173.2	153.2	143.2
65°	10194.7	4947.5	576.2	368.0	243.1	199.8	169.9	159.9	138.2	118.2	111.6
67.5°	9488.7	3473.7	401.3	264.8	206.5	158.2	134.9	131.6	114.9	98.3	93.3
70°	8194.7	1980.0	268.1	198.2	163.2	108.2	106.6	109.9	93.3	79.9	73.3
72.5°	6283.0	905.9	166.5	144.9	111.6	73.3	84.9	86.6	71.6	59.9	53.3
75°	3698.5	388.0	104.9	93.3	56.6	48.3	61.6	63.3	48.3	38.3	33.3
77.5°	1258.9	146.5	66.6	55.0	28.3	26.6	40.0	40.0	26.6	15.0	11.7
80°	286.4	55.0	33.3	21.6	13.3	11.7	13.3	11.7	6.7	1.7	0.0
82.5°	81.6	21.6	13.3	8.3	5.0	5.0	1.7	0.0	0.0	0.0	0.0
85°	23.3	10.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.0	1.7	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)