

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: P950205

Luminaire Tested: **GALN-SB4D-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950205
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-SB4D-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33625 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 293.6
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

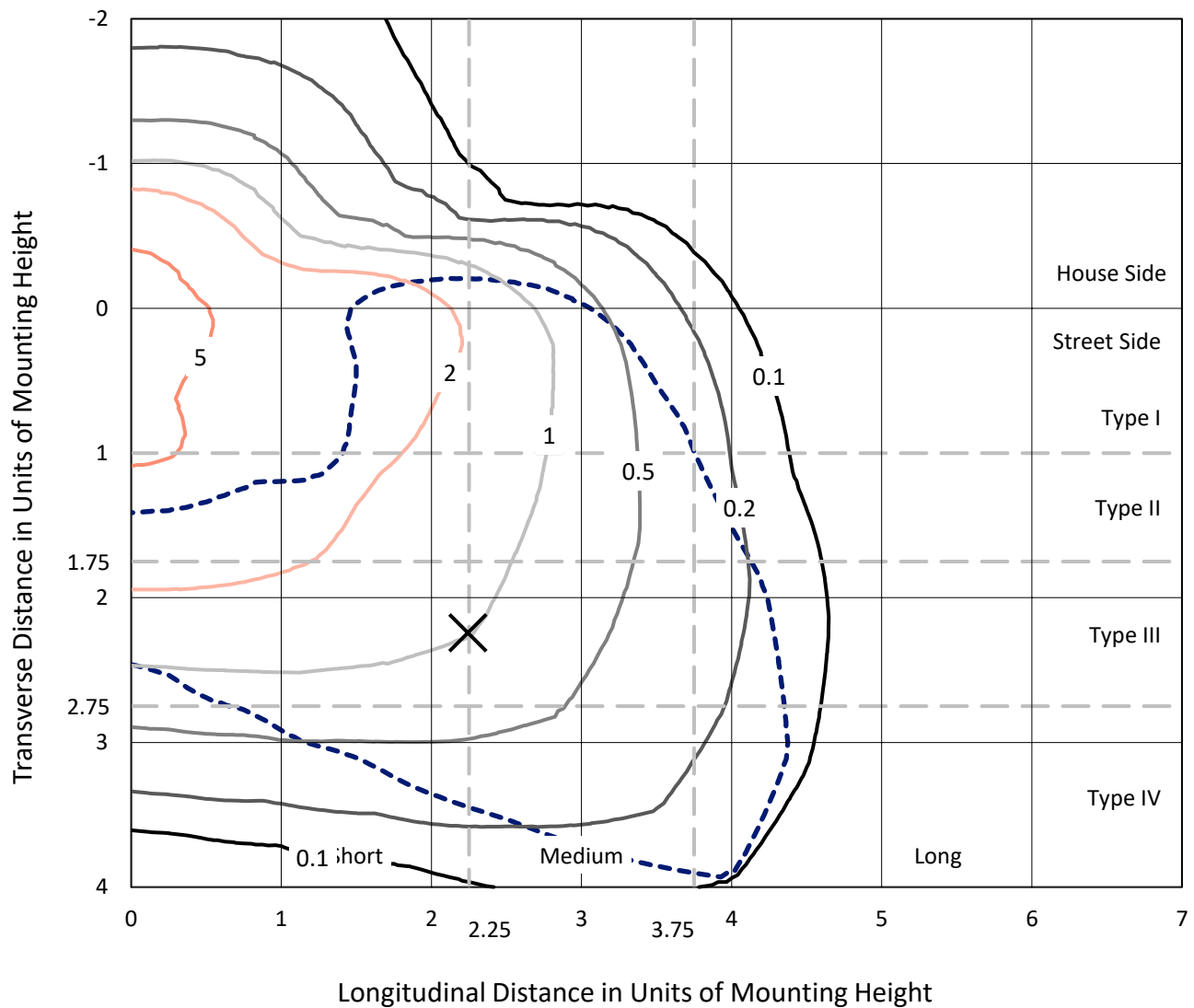


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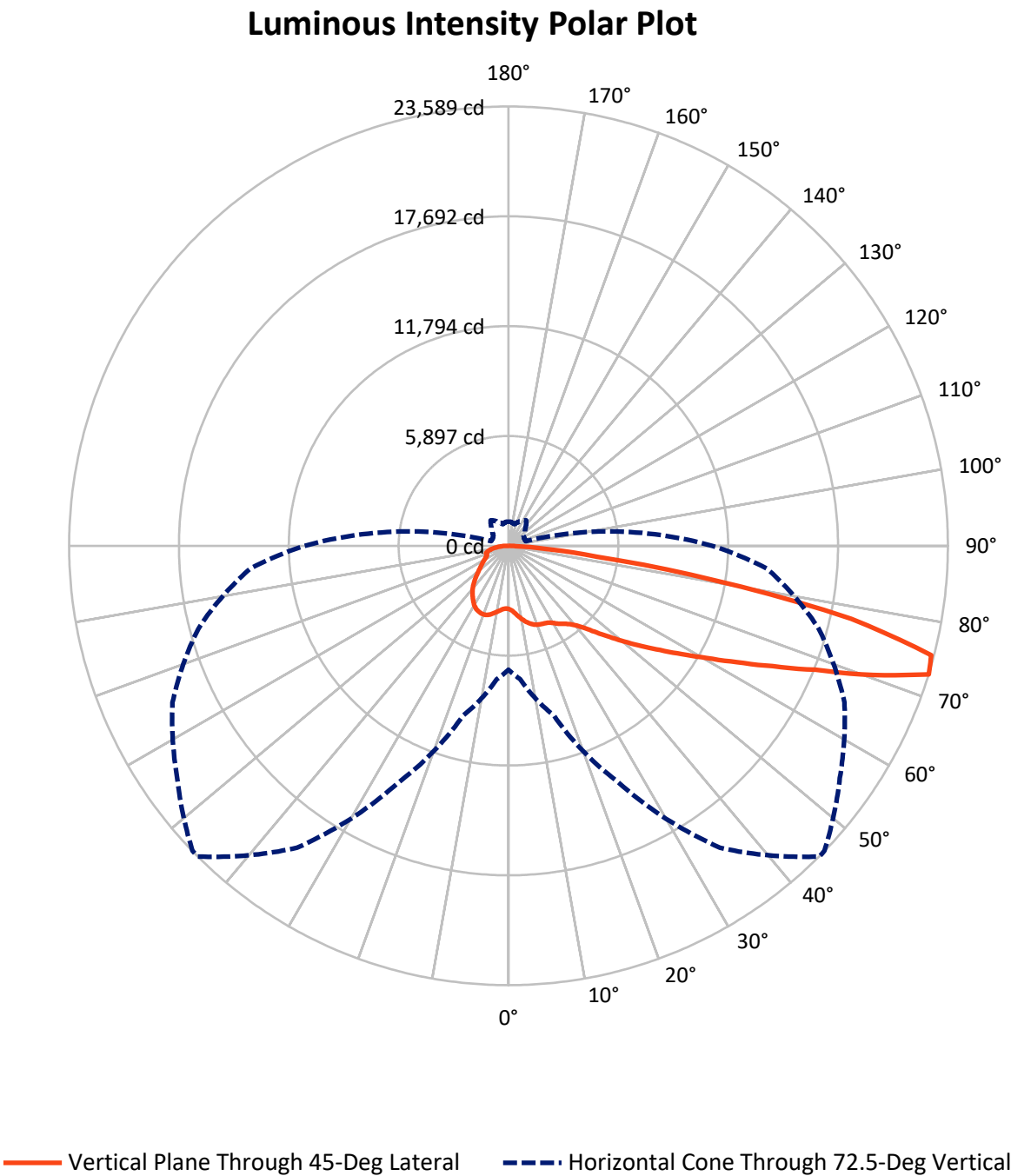
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - N/A

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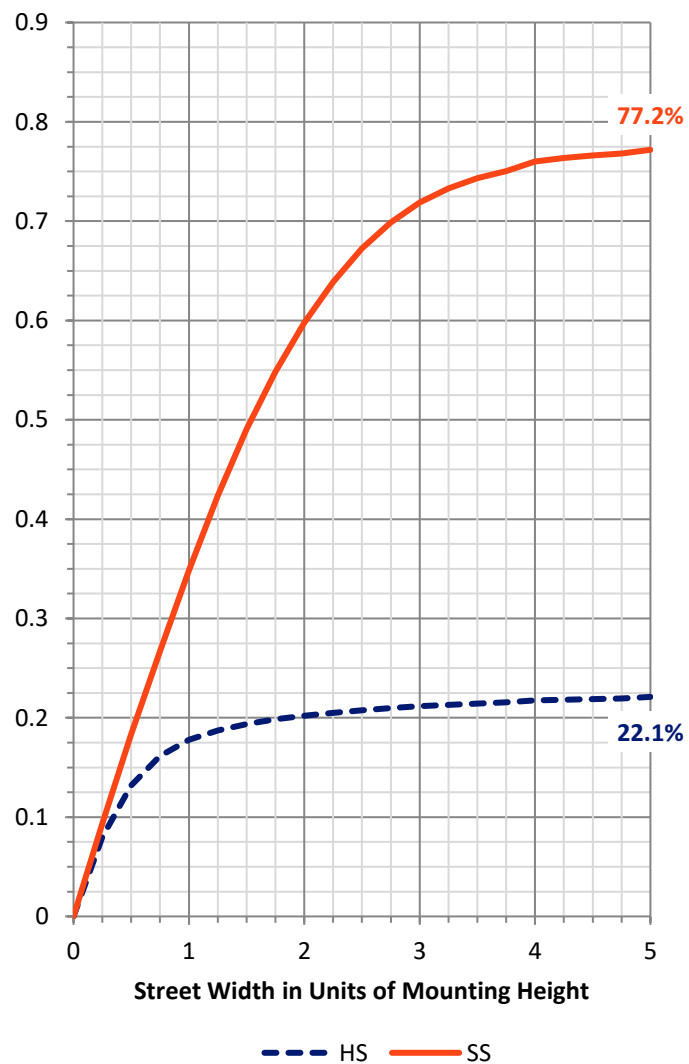
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7601.5	0.0	7601.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	26023.5	0.0	26023.5
	% Fixture	77.4	0.0	77.4
Total	Lumens	33625.0	0.0	33625.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.2	1.0
10°-20°	1151.1	3.4
20°-30°	2002.4	6.0
30°-40°	2870.6	8.5
40°-50°	4041.9	12.0
50°-60°	6191.1	18.4
60°-70°	8968.7	26.7
70°-80°	7162.0	21.3
80°-90°	892.0	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°	33625.0	100.0
0°-180°	33625.0	100.0

Coefficient of Utilization



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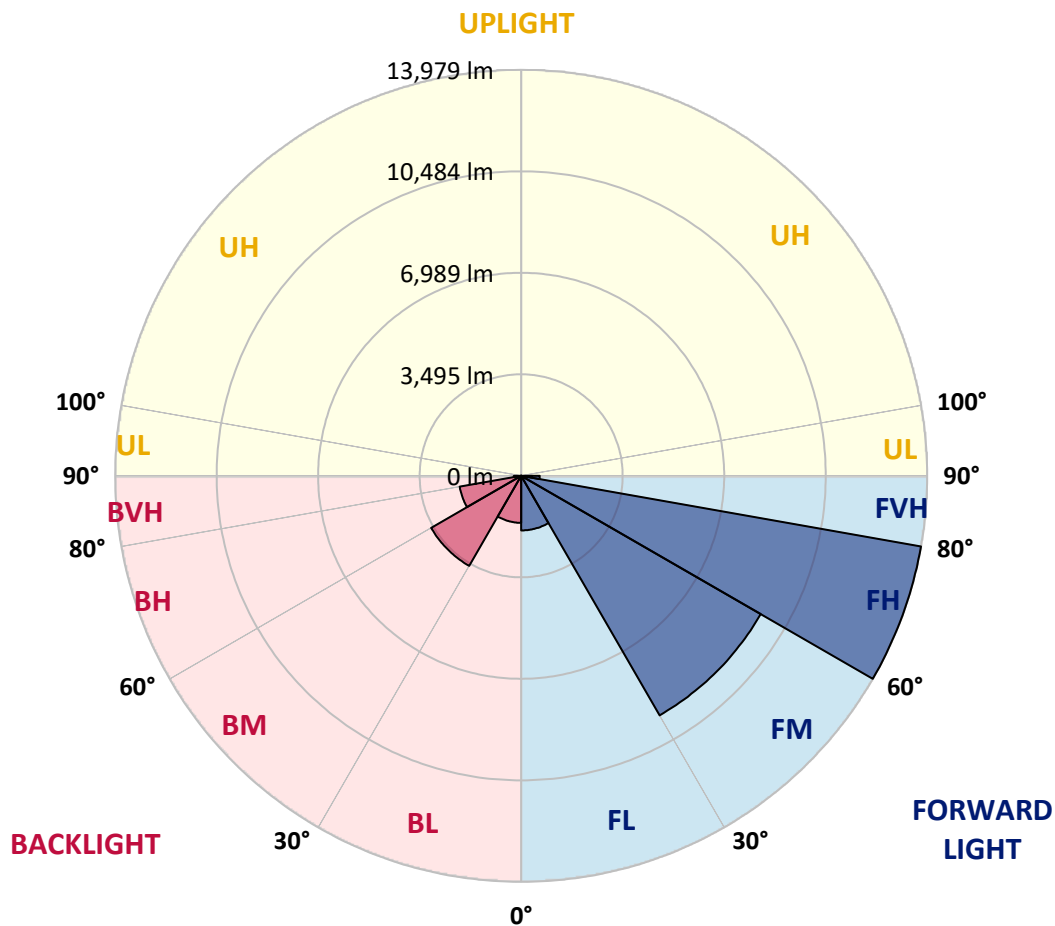
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1880.4	5.6			
FM	(30°-60°)	9524.4	28.3			
FH	(60°-80°)	13978.9	41.6			G5
FVH	(80°-90°)	639.9	1.9			G4/750
BL	(0°-30°)	1618.4	4.8	B3/2500		
BM	(30°-60°)	3579.2	10.6	B3/5000		
BH	(60°-80°)	2151.8	6.4	B3/2500		G3/2500
BVH	(80°-90°)	252.1	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1
2.5°	3525.0	3548.0	3526.7	3507.2	3498.4	3475.4	3473.6	3459.4	3450.6	3425.8	3418.7
5°	3771.2	3801.3	3765.9	3726.9	3691.5	3634.8	3627.7	3587.0	3540.9	3487.8	3457.6
7.5°	4049.3	4075.8	4035.1	3976.6	3914.7	3820.8	3819.0	3744.6	3672.0	3581.6	3530.3
10°	4291.9	4327.4	4272.5	4192.8	4114.8	4008.5	3996.1	3911.1	3819.0	3702.1	3624.2
12.5°	4506.3	4531.1	4477.9	4380.5	4290.2	4183.9	4168.0	4074.1	3971.3	3838.5	3739.3
15°	4676.3	4708.2	4637.4	4532.8	4437.2	4332.7	4318.5	4233.5	4130.8	3990.8	3863.3
17.5°	4787.9	4814.5	4741.9	4625.0	4532.8	4446.1	4435.4	4364.6	4274.2	4132.5	3996.1
20°	4830.4	4858.8	4782.6	4663.9	4578.9	4511.6	4506.3	4454.9	4392.9	4263.6	4125.4
22.5°	4872.9	4899.5	4800.3	4676.3	4601.9	4559.4	4557.6	4524.0	4499.2	4392.9	4258.3
25°	5044.8	5051.8	4919.0	4740.1	4633.8	4596.6	4594.8	4593.1	4603.7	4520.4	4401.8
27.5°	5193.6	5191.8	5078.4	4910.1	4745.4	4667.5	4665.7	4683.4	4717.1	4648.0	4550.6
30°	5411.4	5391.9	5257.3	5082.0	4931.4	4810.9	4800.3	4784.4	4810.9	4756.0	4699.4
32.5°	5873.7	5811.8	5593.9	5282.1	5085.5	4993.4	4979.2	4880.0	4890.7	4857.0	4828.7
35°	6536.2	6454.7	6164.2	5661.2	5276.8	5145.7	5138.6	5012.9	4991.6	4961.5	4972.1
37.5°	7324.5	7223.5	6885.2	6210.3	5606.3	5322.9	5312.2	5198.9	5112.1	5080.2	5140.4
40°	8116.3	7988.7	7708.9	6879.9	6091.6	5618.7	5585.0	5413.2	5314.0	5260.9	5388.4
42.5°	8885.0	8778.7	8539.6	7630.9	6690.3	6050.9	5976.5	5682.4	5608.0	5558.5	5788.7
45°	9565.2	9469.6	9294.2	8433.3	7391.8	6639.0	6566.3	6086.3	6063.3	6063.3	6396.3
47.5°	10117.9	10096.6	9910.6	9251.7	8219.0	7308.5	7182.8	6647.8	6709.8	6805.5	7258.9
50°	10730.8	10672.3	10473.9	10057.6	9191.5	8075.5	7972.8	7336.9	7568.9	7831.1	8506.0
52.5°	11294.0	11325.9	11104.5	10897.3	10289.7	8931.1	8750.4	8149.9	8651.2	9085.2	9967.3
55°	11873.3	11875.0	11813.0	11784.7	11441.1	9877.0	9678.6	9127.7	9924.8	10463.3	11671.3
57.5°	12417.1	12420.6	12512.7	12762.5	12776.6	10968.1	10743.2	10328.7	11340.1	11889.2	13428.5
60°	12902.4	12927.2	13178.7	13763.3	13951.0	12218.7	12006.1	11747.5	12803.2	13355.9	15276.0
62.5°	13065.4	13155.7	13715.5	14546.2	15111.3	13752.7	13543.6	13389.5	14340.7	14854.4	16820.6
65°	12789.0	12996.3	14078.6	15192.7	16305.1	15575.4	15368.1	15199.8	15938.5	16422.1	18088.9
67.5°	12110.6	12378.1	14057.3	15871.2	17754.1	17768.3	17575.2	17180.2	17651.4	17837.4	18501.6
70°	10323.3	10723.7	12819.2	16124.5	19417.4	20767.1	20581.2	19564.4	19360.7	18460.9	17339.6
72.5°	6651.4	7189.9	9439.4	14039.6	19787.6	23588.9	23578.3	21716.6	19901.0	17249.3	13906.8
75°	2426.7	2756.2	4385.8	8812.4	16609.8	23445.4	23514.5	21348.1	18166.8	13324.0	8663.6
77.5°	883.9	967.1	1431.2	3386.8	10215.3	18811.6	18955.1	17066.8	12930.8	6686.8	3432.8
80°	464.1	510.1	733.3	1314.3	4377.0	11171.8	11396.8	10142.7	6077.5	2014.0	1029.1
82.5°	256.8	278.1	410.9	713.8	1971.5	4777.3	4911.9	4006.8	2138.0	853.8	425.1
85°	138.2	147.0	193.1	389.7	963.6	1656.2	1693.4	1197.4	852.0	501.3	205.5
87.5°	40.7	49.6	63.8	124.0	377.3	372.0	380.8	237.4	336.6	253.3	67.3
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°	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1	3392.1
2.5°	3408.1	3402.7	3383.3	3374.4	3363.8	3362.0	3370.9	3372.6	3374.4	3376.2	3383.3
5°	3439.9	3422.2	3404.5	3393.9	3397.4	3399.2	3416.9	3429.3	3438.2	3445.2	3448.8
7.5°	3501.9	3487.8	3457.6	3455.9	3461.2	3477.1	3500.2	3528.5	3544.4	3556.8	3560.4
10°	3594.0	3567.5	3532.0	3537.4	3548.0	3571.0	3618.8	3641.9	3668.4	3691.5	3686.1
12.5°	3687.9	3664.9	3624.2	3627.7	3645.4	3686.1	3732.2	3760.5	3778.3	3796.0	3803.1
15°	3810.1	3769.4	3725.1	3725.1	3757.0	3801.3	3822.5	3845.6	3856.2	3875.7	3882.8
17.5°	3935.9	3882.8	3824.3	3820.8	3859.7	3881.0	3893.4	3896.9	3900.5	3921.7	3928.8
20°	4061.7	4003.2	3920.0	3912.9	3921.7	3918.2	3916.4	3912.9	3918.2	3944.8	3955.4
22.5°	4185.7	4118.4	4003.2	3971.3	3946.5	3912.9	3911.1	3909.3	3912.9	3939.5	3957.2
25°	4330.9	4249.4	4095.3	3999.7	3916.4	3870.4	3875.7	3877.5	3881.0	3902.3	3930.6
27.5°	4488.6	4398.2	4180.4	3990.8	3840.3	3808.4	3799.5	3804.8	3817.2	3850.9	3884.5
30°	4646.2	4539.9	4258.3	3955.4	3744.6	3700.3	3672.0	3684.4	3723.3	3757.0	3794.2
32.5°	4789.7	4683.4	4320.3	3877.5	3622.4	3553.3	3516.1	3532.0	3571.0	3583.4	3627.7
35°	4958.0	4837.5	4346.9	3753.5	3489.5	3383.3	3333.7	3310.6	3330.1	3317.7	3356.7
37.5°	5145.7	5020.0	4343.3	3590.5	3333.7	3211.4	3142.3	3055.6	3014.8	2972.3	2998.9
40°	5423.8	5243.2	4300.8	3393.9	3140.6	3029.0	2905.0	2758.0	2665.9	2582.6	2587.9
42.5°	5802.9	5553.1	4222.9	3177.8	2922.7	2818.2	2649.9	2478.1	2332.8	2194.7	2182.3
45°	6368.0	5958.8	4125.4	2947.5	2687.1	2584.4	2401.9	2208.9	2044.1	1867.0	1845.7
47.5°	7182.8	6504.3	4033.3	2685.3	2439.1	2345.2	2180.5	2001.6	1806.8	1634.9	1615.5
50°	8302.3	7287.3	3948.3	2430.3	2194.7	2123.8	1992.8	1810.3	1613.7	1475.5	1466.7
52.5°	9726.4	8351.8	3912.9	2184.1	1966.2	1939.6	1835.1	1665.1	1479.1	1362.2	1353.3
55°	11361.3	9625.4	3912.9	1948.5	1766.0	1774.9	1702.3	1544.6	1383.4	1278.9	1268.3
57.5°	13029.9	10915.0	3842.0	1730.6	1596.0	1633.2	1587.1	1449.0	1303.7	1195.7	1177.9
60°	14567.5	11995.5	3555.1	1532.2	1445.4	1503.9	1473.8	1355.1	1177.9	1087.6	1073.4
62.5°	15748.9	12604.8	3002.4	1374.6	1321.4	1388.7	1372.8	1231.1	1154.9	1117.7	1105.3
65°	16340.6	12505.6	2295.7	1234.6	1216.9	1321.4	1287.8	1282.4	1222.2	1179.7	1165.5
67.5°	15977.4	11651.8	1665.1	1131.9	1156.7	1259.4	1388.7	1410.0	1298.4	1215.1	1201.0
70°	14385.0	10107.2	1239.9	1034.5	1080.5	1261.2	1583.6	1475.5	1273.6	1176.2	1160.2
72.5°	10943.3	7537.0	961.8	931.7	981.3	1270.0	1670.4	1445.4	1202.7	1300.2	1289.5
75°	6258.1	4137.8	772.3	806.0	857.3	1186.8	1626.1	1367.5	1147.8	1193.9	1193.9
77.5°	2386.0	1590.7	637.7	682.0	689.0	1036.2	1555.2	1362.2	1092.9	1066.3	972.5
80°	827.2	621.7	527.9	542.0	533.2	921.1	1491.5	1185.0	894.5	800.6	774.1
82.5°	338.3	310.0	418.0	400.3	379.1	715.6	1204.5	968.9	731.6	646.5	639.5
85°	147.0	196.6	276.3	242.7	219.6	496.0	965.4	820.1	618.2	533.2	531.4
87.5°	30.1	74.4	116.9	109.8	113.4	331.2	685.5	582.8	437.5	327.7	256.8
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)