

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: STREETWORKS

Report Number: P943552

Luminaire Tested: **GLAN-SB8A-830-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8A-830-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32308 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 227.1
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

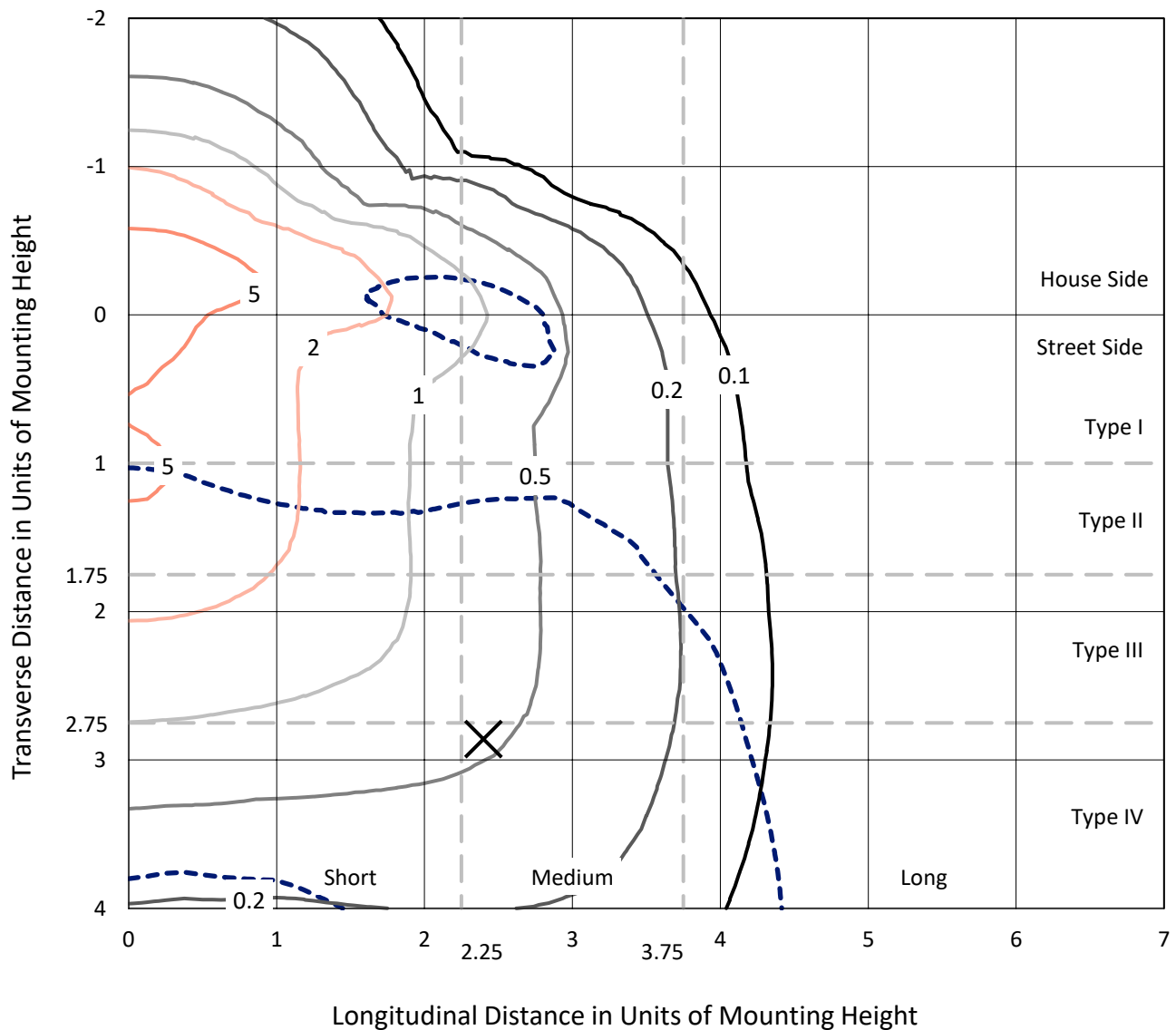


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Iso-Footcandle Lines of Horizontal Illumination

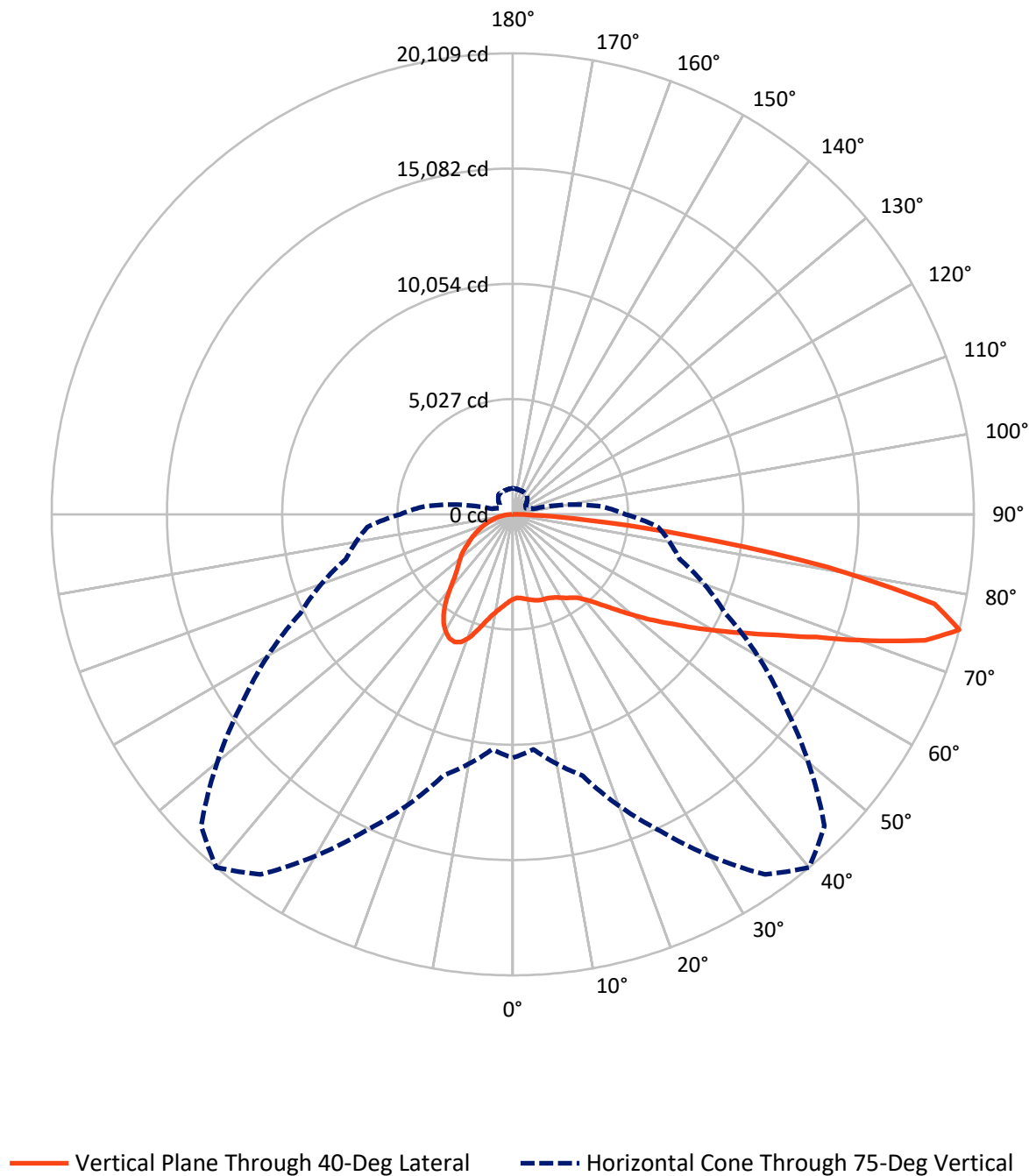
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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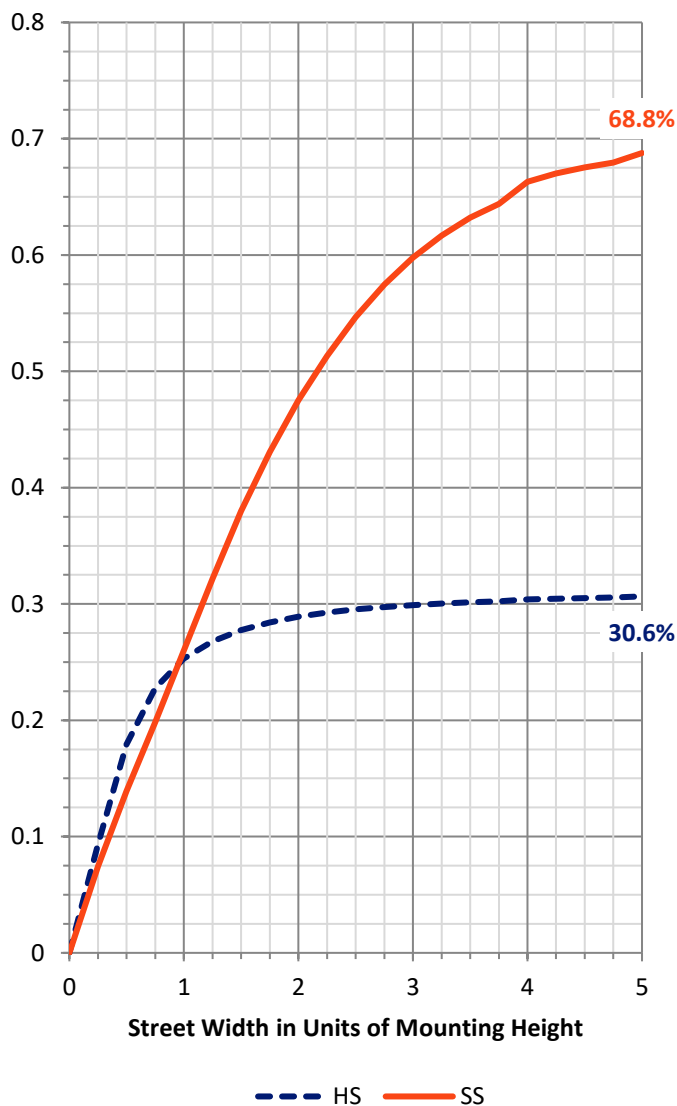
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10010.1	0.0	10010.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	22297.9	0.0	22297.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	32308.0	0.0	32308.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.8	1.1
10°-20°	1238.2	3.8
20°-30°	2260.8	7.0
30°-40°	3206.4	9.9
40°-50°	4329.6	13.4
50°-60°	5824.5	18.0
60°-70°	7392.6	22.9
70°-80°	6709.2	20.8
80°-90°	978.0	3.0
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°	32308.0	100.0
0°-180°	32308.0	100.0

Coefficient of Utilization



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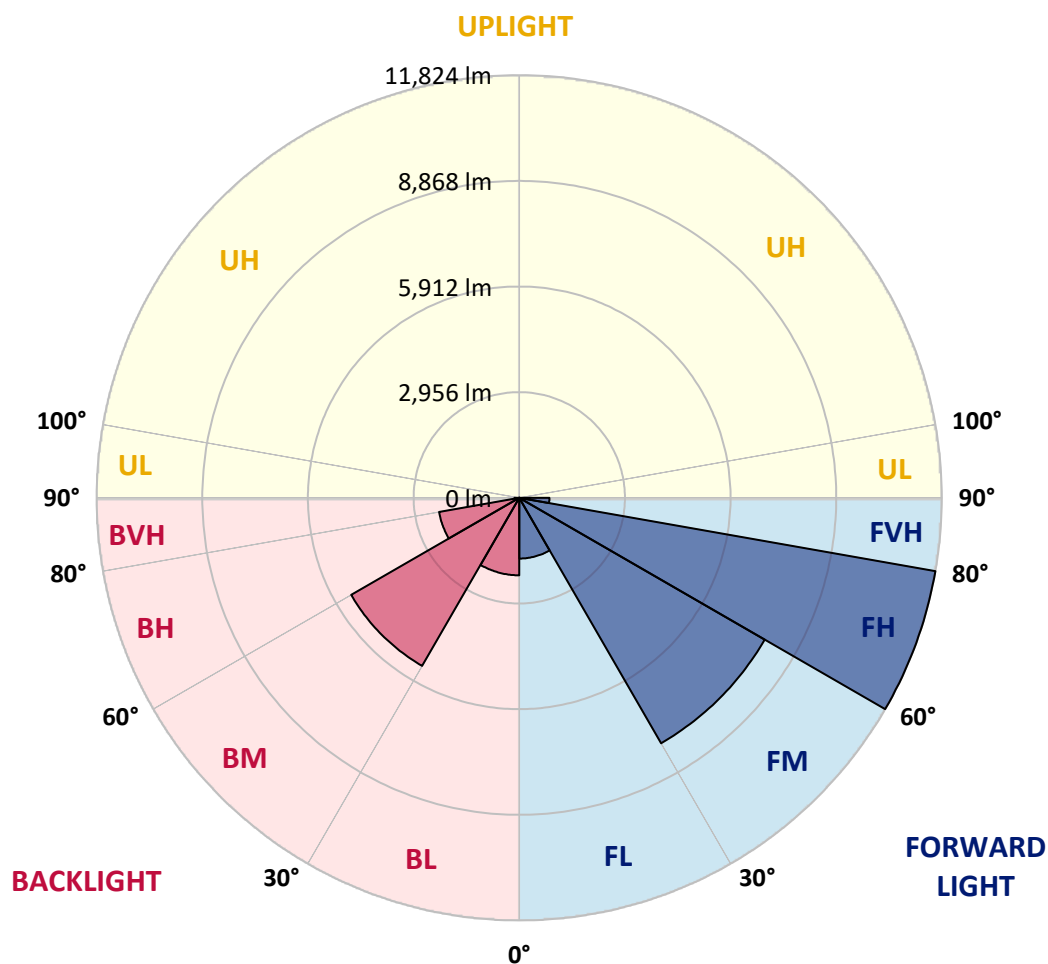
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1699.4	5.3			
FM	(30°-60°)	7930.9	24.5			
FH	(60°-80°)	11824.2	36.6			G4/12000
FVH	(80°-90°)	843.3	2.6			G5
BL	(0°-30°)	2168.3	6.7	B3/2500		
BM	(30°-60°)	5429.6	16.8	B4/8500		
BH	(60°-80°)	2277.6	7.0	B3/2500		G3/2500
BVH	(80°-90°)	134.6	0.4			G2/225
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3694.5	3694.5	3694.5	3694.5	3694.5	3694.5	3694.5	3694.5	3694.5	3694.5
2.5°	3637.9	3658.5	3653.3	3646.5	3646.5	3648.2	3646.5	3658.5	3670.5	3682.5
5°	3675.6	3696.2	3685.9	3677.3	3670.5	3668.8	3663.6	3661.9	3668.8	3684.2
7.5°	3749.3	3769.9	3754.4	3739.0	3725.3	3718.5	3711.6	3701.3	3696.2	3704.7
10°	3831.5	3852.1	3833.3	3805.8	3783.6	3775.0	3768.1	3757.9	3751.0	3756.2
12.5°	3913.8	3934.4	3908.7	3871.0	3841.8	3836.7	3828.1	3824.7	3823.0	3821.3
15°	3990.9	4008.0	3975.5	3930.9	3900.1	3891.5	3883.0	3888.1	3896.7	3906.9
17.5°	4050.9	4068.0	4020.0	3961.8	3932.6	3929.2	3924.1	3941.2	3965.2	3990.9
20°	4105.7	4122.9	4061.2	3982.3	3948.1	3948.1	3949.8	3985.8	4020.0	4057.7
22.5°	4182.8	4196.5	4121.1	4013.2	3963.5	3966.9	3980.6	4016.6	4059.5	4110.9
25°	4297.6	4307.9	4215.4	4071.4	4014.9	4025.2	4037.2	4054.3	4095.4	4155.4
27.5°	4482.7	4491.3	4369.6	4174.3	4088.6	4105.7	4122.9	4110.9	4129.7	4181.1
30°	4743.2	4748.3	4594.1	4335.3	4213.7	4222.2	4225.7	4176.0	4140.0	4181.1
32.5°	5051.6	5049.9	4866.5	4530.7	4355.9	4347.3	4318.2	4220.5	4136.6	4172.5
35°	5529.7	5510.8	5274.4	4804.9	4517.0	4463.9	4395.3	4270.2	4153.7	4164.0
37.5°	6321.4	6263.1	5935.8	5253.8	4756.9	4621.5	4520.4	4350.8	4191.4	4160.6
40°	7214.1	7140.5	6780.6	5869.0	5116.7	4899.1	4736.3	4465.6	4253.1	4176.0
42.5°	8273.1	8168.6	7781.3	6593.8	5572.5	5257.2	5012.2	4611.2	4343.9	4225.7
45°	9573.7	9434.9	8886.6	7411.2	6146.6	5726.8	5399.5	4832.3	4482.7	4321.6
47.5°	10888.0	10922.3	10142.6	8346.8	6835.4	6305.9	5884.4	5164.7	4684.9	4475.9
50°	12284.6	12308.6	11391.8	9383.5	7616.8	6960.5	6429.3	5536.6	4965.9	4695.2
52.5°	13374.4	13377.9	12526.2	10468.2	8430.8	7680.2	7017.1	5961.5	5291.5	4986.5
55°	14056.4	14047.9	13321.3	11494.6	9366.4	8435.9	7668.2	6444.7	5689.1	5329.2
57.5°	14551.7	14526.0	13869.7	12377.1	10363.7	9328.7	8405.1	6993.1	6158.6	5737.0
60°	14740.2	14724.7	14241.5	13139.7	11412.4	10315.7	9255.0	7606.5	6691.5	6218.6
62.5°	14812.1	14841.3	14606.5	13878.2	12534.8	11409.0	10188.9	8340.0	7291.3	6763.5
65°	15065.7	15118.9	15070.9	14844.7	13802.8	12689.0	11427.8	9212.2	7945.8	7347.8
67.5°	15567.8	15620.9	15641.5	16001.3	15351.9	14284.3	12973.5	10298.6	8711.8	7954.4
70°	15555.8	15540.4	15903.7	16921.5	17291.7	16493.1	15057.2	11635.2	9625.1	8458.2
72.5°	14159.3	14035.9	14894.4	16911.2	18905.8	18799.6	17601.8	13359.0	10413.4	8519.9
75°	10622.4	10293.4	11809.9	15240.5	19174.9	20108.8	19219.4	14428.3	10226.6	7527.7
77.5°	4542.7	4212.0	5999.2	11282.2	17161.4	18797.9	17735.5	12587.9	8163.5	4977.9
80°	1189.2	1187.5	1813.0	5115.0	11671.1	13881.7	12178.4	8129.2	4664.3	1778.7
82.5°	491.8	479.8	666.6	1989.5	5702.8	7789.9	6357.4	3625.9	1684.4	481.5
85°	183.4	181.6	323.9	687.1	2011.7	3212.9	2325.3	927.0	419.8	234.8
87.5°	51.4	49.7	70.3	238.2	490.1	743.7	397.5	152.5	118.2	92.5
90°	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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3694.5	0°	3694.5	3694.5	3694.5	3694.5	3694.5	3694.5	3694.5	3694.5	3694.5	3694.5
3701.3	2.5°	3706.5	3715.0	3730.4	3742.4	3757.9	3775.0	3799.0	3814.4	3829.8	3840.1
3709.9	5°	3721.9	3740.7	3780.1	3819.6	3865.8	3908.7	3958.4	3994.3	4023.5	4032.0
3740.7	7.5°	3756.2	3787.0	3853.8	3920.7	3994.3	4064.6	4136.6	4198.3	4247.9	4266.8
3795.6	10°	3816.1	3857.3	3951.5	4045.7	4143.4	4251.4	4343.9	4433.0	4503.3	4532.4
3860.7	12.5°	3891.5	3942.9	4066.3	4196.5	4331.9	4481.0	4600.9	4710.6	4798.0	4837.4
3951.5	15°	3989.2	4056.0	4213.7	4388.5	4587.2	4794.6	4947.1	5068.7	5166.4	5214.4
4045.7	17.5°	4095.4	4184.5	4383.3	4647.2	4931.7	5204.1	5382.3	5471.4	5572.5	5618.8
4133.1	20°	4198.3	4307.9	4592.4	4976.2	5354.9	5644.5	5788.4	5812.4	5819.3	5824.4
4215.4	22.5°	4304.5	4451.9	4854.6	5390.9	5797.0	5997.5	6018.1	5915.3	5771.3	5704.5
4295.9	25°	4421.0	4616.4	5197.3	5848.4	6177.4	6201.4	6043.8	5793.6	5521.1	5396.0
4361.0	27.5°	4534.1	4806.6	5608.5	6285.4	6451.6	6240.8	5901.5	5546.8	5217.8	5085.9
4407.3	30°	4647.2	5024.2	6062.6	6667.5	6576.7	6143.2	5677.1	5281.2	4950.5	4811.7
4448.4	32.5°	4762.0	5277.8	6585.3	6943.4	6554.4	5935.8	5397.8	4983.1	4691.8	4546.1
4484.4	35°	4892.3	5589.7	7080.5	7094.2	6405.3	5630.8	5029.3	4626.6	4373.0	4256.5
4527.3	37.5°	5061.9	5985.5	7517.4	7131.9	6144.9	5183.6	4571.8	4205.1	3996.1	3942.9
4590.7	40°	5272.7	6461.9	7851.6	7071.9	5759.3	4640.4	4071.4	3778.4	3660.2	3672.2
4676.3	42.5°	5546.8	6994.8	8086.3	6917.7	5223.0	4080.0	3632.8	3502.5	3559.1	3607.1
4804.9	45°	5903.3	7548.3	8232.0	6655.5	4616.4	3605.4	3374.0	3404.9	3447.7	3452.8
5012.2	47.5°	6359.1	8108.6	8328.0	6259.7	3997.8	3271.2	3209.5	3216.4	3207.8	3171.8
5322.4	50°	6928.0	8653.5	8413.6	5735.3	3471.7	3062.2	2979.9	2955.9	2837.7	2721.2
5735.3	52.5°	7575.7	9153.9	8449.6	5084.2	3062.2	2887.4	2753.7	2602.9	2381.9	2345.9
6254.5	55°	8295.4	9616.6	8357.1	4283.9	2717.7	2662.9	2460.7	2279.1	2255.1	2224.2
6938.3	57.5°	9155.6	10115.2	8168.6	3391.2	2364.7	2400.7	2203.7	2224.2	2181.4	2133.4
7817.3	60°	10096.4	10631.0	7837.9	2577.2	1999.7	2073.4	2136.8	2135.1	2123.1	2083.7
8744.4	62.5°	10942.9	10970.3	7186.7	1974.0	1679.3	1819.8	1992.9	1991.2	1980.9	1958.6
9712.5	65°	11446.7	10918.9	6100.3	1554.2	1415.4	1610.8	1797.5	1811.2	1813.0	1811.2
10440.8	67.5°	11357.6	10317.4	4609.5	1237.2	1197.8	1398.3	1603.9	1622.8	1636.5	1639.9
10533.3	70°	10350.0	8996.3	3005.6	987.0	1004.2	1211.5	1420.6	1439.4	1451.4	1465.1
9140.2	72.5°	8067.5	6614.4	1720.4	798.5	834.5	1050.4	1238.9	1261.2	1268.0	1293.7
6360.8	75°	4916.2	3889.8	928.8	628.9	685.4	897.9	1059.0	1084.7	1096.7	1127.5
3123.8	77.5°	2337.3	1684.4	529.5	490.1	551.8	733.4	894.5	923.6	891.1	908.2
861.9	80°	790.0	625.5	334.1	373.6	421.5	572.3	716.3	745.4	676.9	673.4
286.2	82.5°	275.9	253.6	212.5	248.5	272.5	409.5	541.5	579.2	503.8	502.1
128.5	85°	108.0	102.8	118.2	135.4	162.8	251.9	356.4	375.3	310.2	250.2
37.7	87.5°	22.3	24.0	29.1	30.8	49.7	87.4	128.5	157.6	125.1	106.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
3694.5
3833.3
4035.5
4268.5
4534.1
4837.4
5211.0
5617.1
5838.1
5723.3
5414.9
5101.3
4827.1
4565.0
4282.2
3980.6
3713.3
3651.6
3487.1
3199.2
2736.6
2357.9
2229.4
2124.8
2070.0
1950.0
1811.2
1643.3
1472.0
1304.0
1131.0
894.5
666.6
478.1
246.8
97.7
0.0