

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: P943892

Luminaire Tested: **GLAN-SB8C-830-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943892
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-SB8C-830-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53939 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

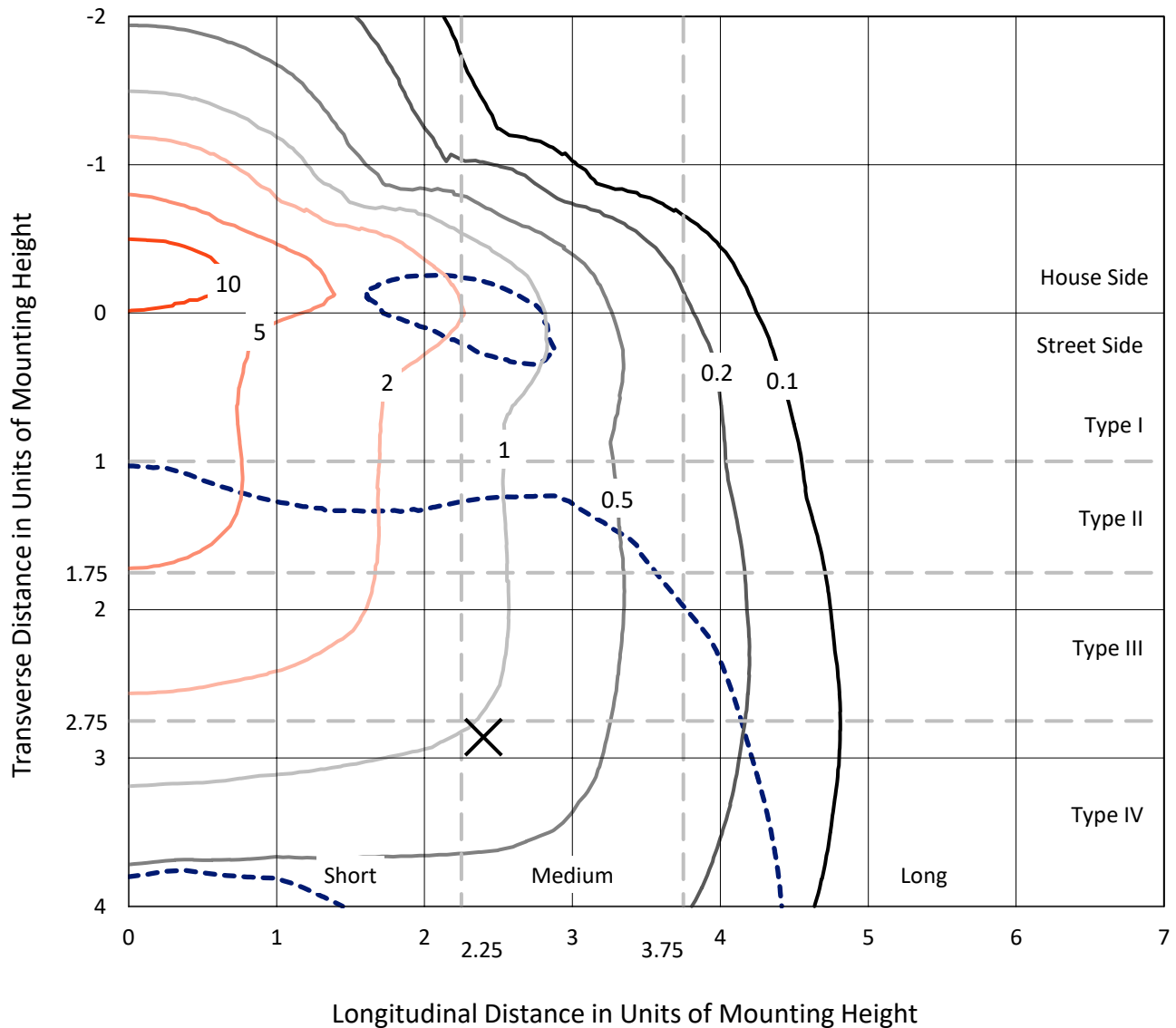
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

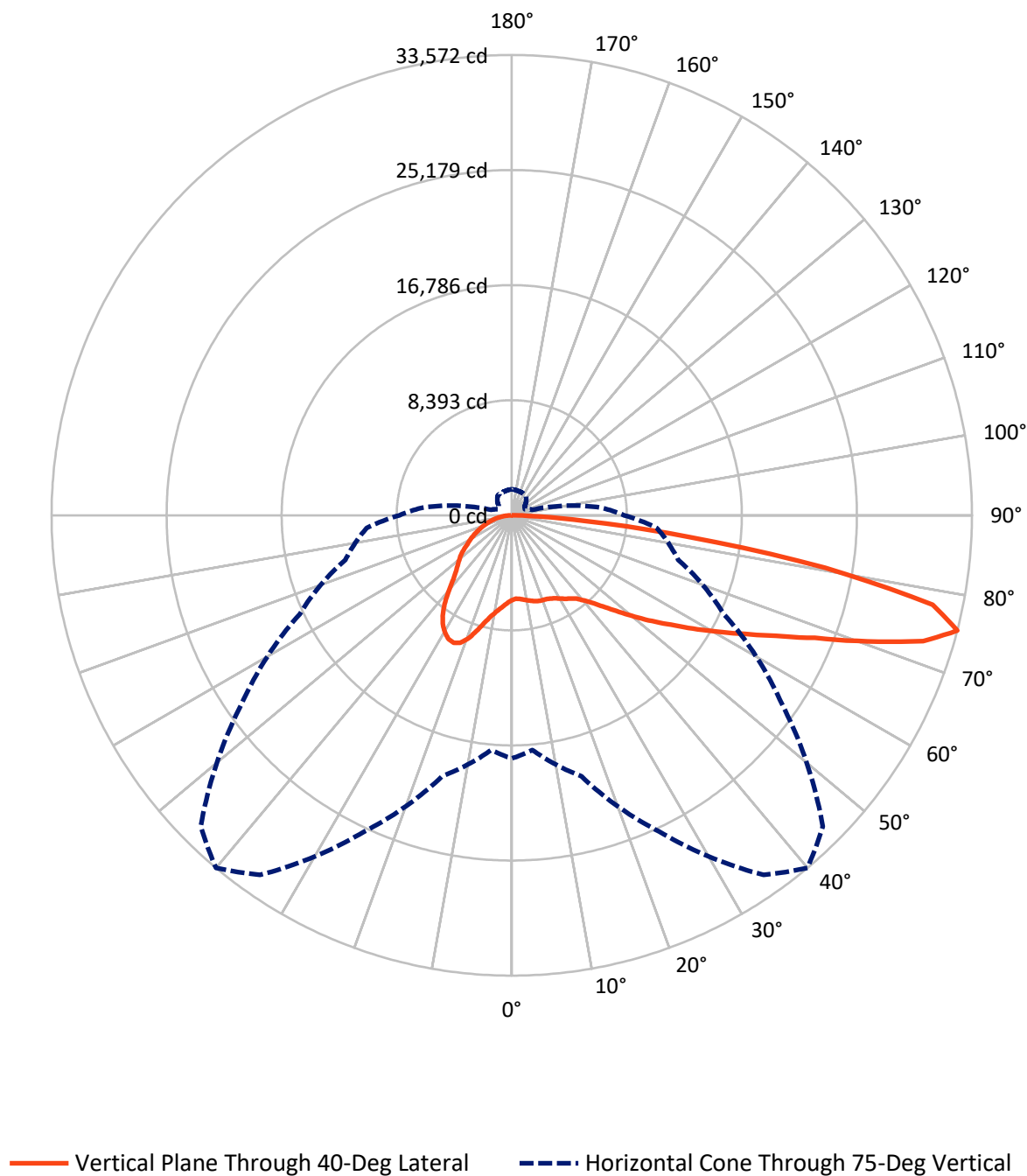
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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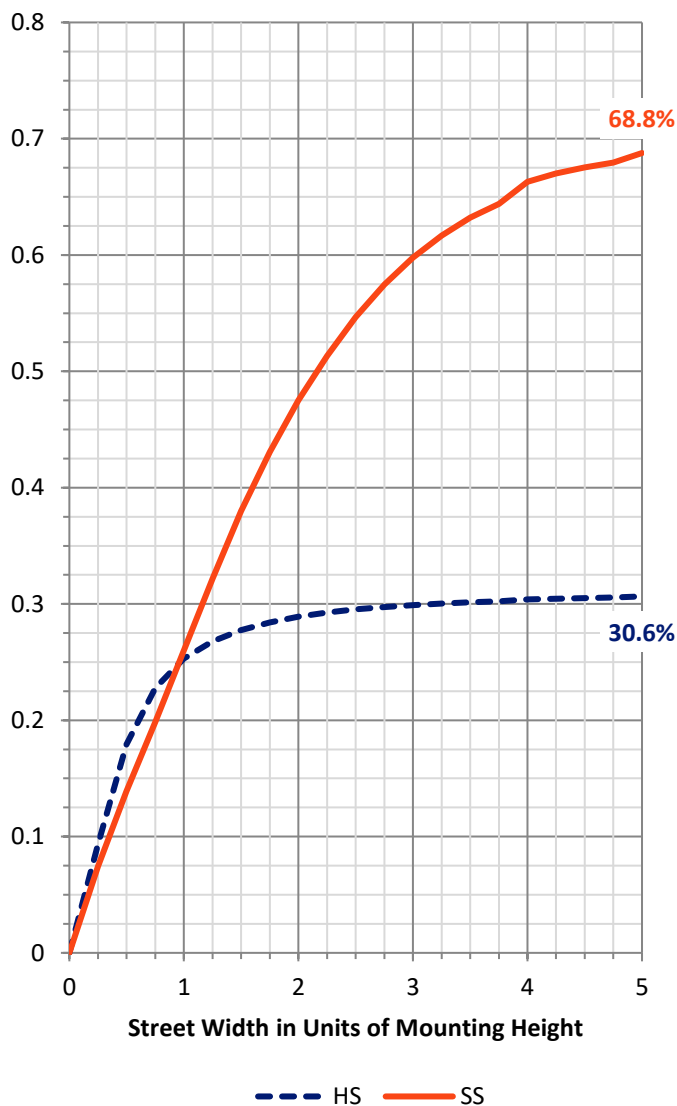
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16712.1	0.0	16712.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	37226.9	0.0	37226.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	53939.0	0.0	53939.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.7	1.1
10°-20°	2067.1	3.8
20°-30°	3774.4	7.0
30°-40°	5353.2	9.9
40°-50°	7228.4	13.4
50°-60°	9724.1	18.0
60°-70°	12342.1	22.9
70°-80°	11201.2	20.8
80°-90°	1632.8	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°	53939.0	100.0
0°-180°	53939.0	100.0

Coefficient of Utilization



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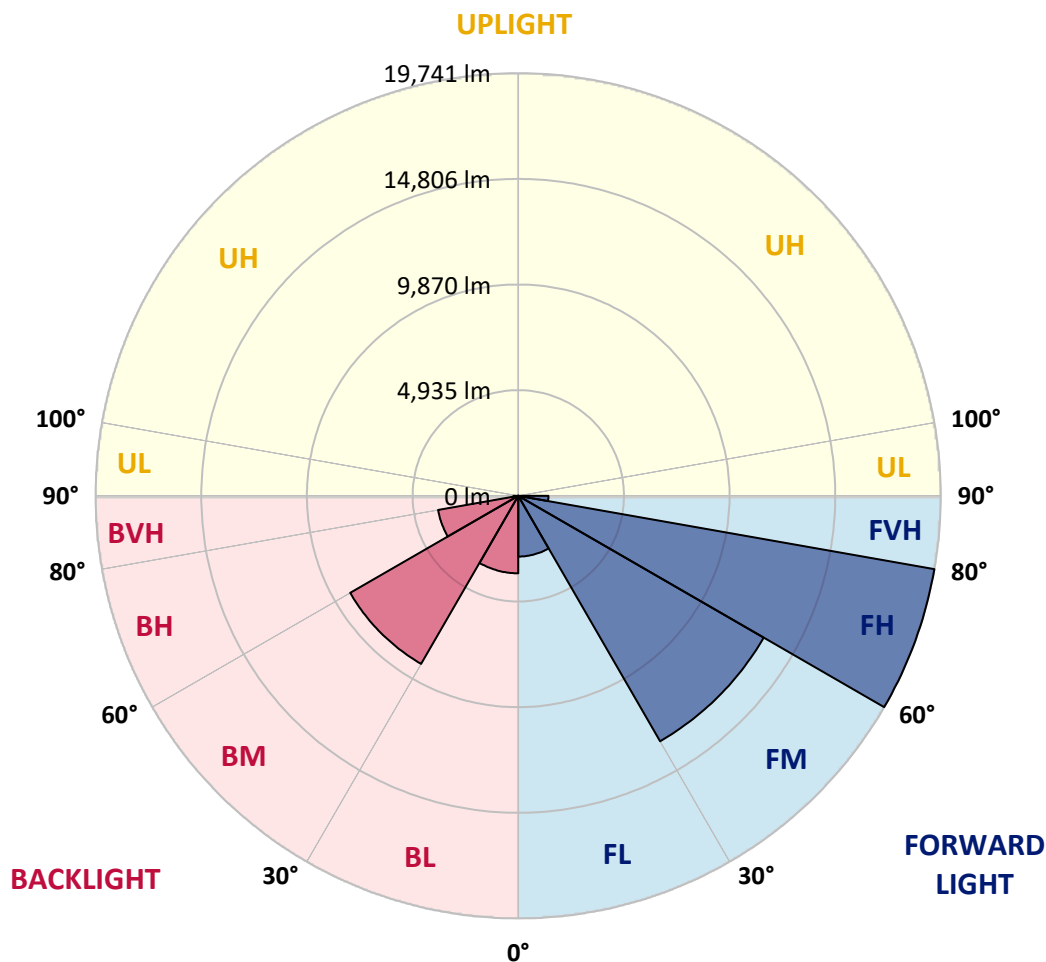
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2837.2	5.3			
FM	(30°-60°)	13240.8	24.5			
FH	(60°-80°)	19740.8	36.6			G5
FVH	(80°-90°)	1408.0	2.6			G5
BL	(0°-30°)	3620.0	6.7	B4/5000		
BM	(30°-60°)	9064.8	16.8	B5		
BH	(60°-80°)	3802.5	7.0	B4/5000		G4/5000
BVH	(80°-90°)	224.8	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	6168.0	6168.0	6168.0	6168.0	6168.0	6168.0	6168.0	6168.0	6168.0	6168.0
2.5°	6073.6	6107.9	6099.3	6087.9	6087.9	6090.8	6087.9	6107.9	6127.9	6148.0
5°	6136.5	6170.9	6153.7	6139.4	6127.9	6125.1	6116.5	6113.6	6125.1	6150.8
7.5°	6259.5	6293.9	6268.1	6242.4	6219.5	6208.0	6196.6	6179.4	6170.9	6185.2
10°	6396.9	6431.2	6399.7	6354.0	6316.8	6302.5	6291.0	6273.8	6262.4	6271.0
12.5°	6534.2	6568.5	6525.6	6462.7	6414.0	6405.4	6391.1	6385.4	6382.6	6379.7
15°	6662.9	6691.5	6637.2	6562.8	6511.3	6497.0	6482.7	6491.3	6505.6	6522.7
17.5°	6763.1	6791.7	6711.6	6614.3	6565.7	6559.9	6551.4	6580.0	6620.0	6662.9
20°	6854.6	6883.2	6780.2	6648.6	6591.4	6591.4	6594.3	6654.3	6711.6	6774.5
22.5°	6983.3	7006.2	6880.3	6700.1	6617.2	6622.9	6645.8	6705.8	6777.4	6863.2
25°	7175.0	7192.2	7037.7	6797.4	6703.0	6720.1	6740.2	6768.8	6837.4	6937.6
27.5°	7484.0	7498.3	7295.2	6969.0	6826.0	6854.6	6883.2	6863.2	6894.7	6980.5
30°	7918.8	7927.4	7669.9	7238.0	7034.8	7049.1	7054.9	6971.9	6911.8	6980.5
32.5°	8433.8	8430.9	8124.8	7564.1	7272.3	7258.0	7209.3	7046.3	6906.1	6966.2
35°	9232.0	9200.5	8805.7	8021.8	7541.2	7452.5	7338.1	7129.2	6934.7	6951.9
37.5°	10553.7	10456.4	9910.0	8771.4	7941.7	7715.7	7546.9	7263.7	6997.6	6946.1
40°	12044.2	11921.2	11320.4	9798.4	8542.5	8179.2	7907.4	7455.4	7100.6	6971.9
42.5°	13812.2	13637.7	12991.1	11008.6	9303.5	8777.1	8368.0	7698.6	7252.3	7054.9
45°	15983.6	15751.9	14836.4	12373.2	10261.9	9561.0	9014.5	8067.6	7484.0	7215.1
47.5°	18177.9	18235.1	16933.4	13935.2	11411.9	10527.9	9824.2	8622.6	7821.6	7472.5
50°	20509.4	20549.5	19018.9	15666.0	12716.5	11620.8	10733.9	9243.4	8290.7	7838.7
52.5°	22328.9	22334.7	20912.8	17476.9	14075.4	12822.3	11715.2	9952.9	8834.3	8325.1
55°	23467.6	23453.3	22240.3	19190.6	15637.4	14084.0	12802.3	10759.7	9498.0	8897.2
57.5°	24294.4	24251.4	23155.7	20663.9	17302.4	15574.5	14032.5	11675.1	10281.9	9578.1
60°	24609.0	24583.3	23776.5	21937.0	19053.3	17222.3	15451.5	12699.3	11171.6	10382.0
62.5°	24729.2	24777.8	24385.9	23170.0	20927.1	19047.6	17010.6	13923.8	12172.9	11291.8
65°	25152.6	25241.3	25161.2	24783.6	23044.2	21184.6	19079.0	15379.9	13265.8	12267.3
67.5°	25990.8	26079.5	26113.9	26714.6	25630.4	23848.1	21659.5	17193.7	14544.6	13280.1
70°	25970.8	25945.1	26551.6	28250.9	28868.9	27535.7	25138.3	19425.2	16069.4	14121.2
72.5°	23639.2	23433.2	24866.5	28233.7	31563.8	31386.4	29386.7	22303.2	17385.4	14224.2
75°	17734.4	17185.1	19717.0	25444.4	32012.9	33572.1	32087.3	24088.4	17073.6	12567.7
77.5°	7584.1	7032.0	10015.8	18835.8	28651.4	31383.5	29609.8	21015.8	13629.1	8310.8
80°	1985.4	1982.6	3026.8	8539.6	19485.3	23175.8	20332.1	13571.9	7787.2	2969.6
82.5°	821.1	801.0	1112.9	3321.4	9520.9	13005.4	10613.8	6053.6	2812.2	803.9
85°	306.1	303.3	540.7	1147.2	3358.6	5364.1	3882.2	1547.7	700.9	391.9
87.5°	85.8	83.0	117.3	397.7	818.2	1241.6	663.7	254.6	197.4	154.5
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°
6168.0	0°	6168.0	6168.0	6168.0	6168.0	6168.0	6168.0	6168.0	6168.0	6168.0	6168.0
6179.4	2.5°	6188.0	6202.3	6228.1	6248.1	6273.8	6302.5	6342.5	6368.3	6394.0	6411.2
6193.7	5°	6213.8	6245.2	6311.0	6376.8	6454.1	6525.6	6608.6	6668.6	6717.3	6731.6
6245.2	7.5°	6271.0	6322.5	6434.1	6545.6	6668.6	6785.9	6906.1	7009.1	7092.1	7123.5
6336.8	10°	6371.1	6439.8	6597.1	6754.5	6917.5	7097.8	7252.3	7401.0	7518.3	7567.0
6445.5	12.5°	6497.0	6582.8	6788.8	7006.2	7232.2	7481.1	7681.4	7864.5	8010.4	8076.2
6597.1	15°	6660.1	6771.6	7034.8	7326.6	7658.5	8004.7	8259.3	8462.4	8625.5	8705.6
6754.5	17.5°	6837.4	6986.2	7318.1	7758.6	8233.5	8688.4	8985.9	9134.7	9303.5	9380.7
6900.4	20°	7009.1	7192.2	7667.1	8307.9	8940.2	9423.6	9664.0	9704.0	9715.5	9724.0
7037.7	22.5°	7186.5	7432.5	8104.8	9000.2	9678.3	10013.0	10047.3	9875.7	9635.3	9523.8
7172.2	25°	7381.0	7707.1	8677.0	9764.1	10313.4	10353.4	10090.2	9672.5	9217.7	9008.8
7280.9	27.5°	7569.8	8024.7	9363.6	10493.6	10771.1	10419.2	9852.8	9260.6	8711.3	8491.0
7358.1	30°	7758.6	8388.0	10121.7	11131.6	10979.9	10256.2	9478.0	8817.1	8265.0	8033.3
7426.8	32.5°	7950.3	8811.4	10994.3	11592.2	10942.8	9910.0	9011.7	8319.4	7833.0	7589.8
7486.8	35°	8167.7	9332.1	11821.0	11843.9	10693.9	9400.8	8396.6	7724.3	7300.9	7106.4
7558.4	37.5°	8451.0	9993.0	12550.6	11906.9	10259.0	8654.1	7632.8	7020.5	6671.5	6582.8
7664.2	40°	8802.8	10788.3	13108.4	11806.7	9615.3	7747.2	6797.4	6308.2	6110.8	6130.8
7807.3	42.5°	9260.6	11678.0	13500.4	11549.3	8719.9	6811.7	6065.0	5847.6	5942.0	6022.1
8021.8	45°	9855.6	12602.1	13743.5	11111.5	7707.1	6019.2	5633.0	5684.5	5756.0	5764.6
8368.0	47.5°	10616.6	13537.6	13903.7	10450.7	6674.4	5461.4	5358.4	5369.8	5355.5	5295.4
8885.8	50°	11566.4	14447.3	14046.8	9575.3	5796.1	5112.3	4975.0	4935.0	4737.6	4543.0
9575.3	52.5°	12647.8	15282.7	14106.9	8488.1	5112.3	4820.5	4597.4	4345.6	3976.6	3916.5
10442.1	55°	13849.4	16055.1	13952.4	7152.1	4537.3	4445.8	4108.2	3804.9	3764.9	3713.4
11583.6	57.5°	15285.5	16887.6	13637.7	5661.6	3948.0	4008.1	3679.1	3713.4	3641.9	3561.8
13051.2	60°	16856.1	17748.7	13085.5	4302.7	3338.6	3461.6	3567.5	3564.6	3544.6	3478.8
14598.9	62.5°	18269.4	18315.2	11998.4	3295.7	2803.6	3038.2	3327.2	3324.3	3307.1	3270.0
16215.3	65°	19110.5	18229.3	10184.6	2594.8	2363.1	2689.2	3001.0	3023.9	3026.8	3023.9
17431.2	67.5°	18961.7	17225.2	7695.7	2065.5	1999.7	2334.5	2677.8	2709.2	2732.1	2737.8
17585.7	70°	17279.5	15019.5	5017.9	1647.9	1676.5	2022.6	2371.6	2403.1	2423.1	2446.0
15259.8	72.5°	13468.9	11042.9	2872.3	1333.2	1393.2	1753.7	2068.4	2105.6	2117.0	2159.9
10619.5	75°	8207.8	6494.1	1550.6	1049.9	1144.3	1499.1	1768.0	1810.9	1830.9	1882.4
5215.3	77.5°	3902.2	2812.2	884.0	818.2	921.2	1224.4	1493.4	1542.0	1487.6	1516.3
1439.0	80°	1318.9	1044.2	557.9	623.7	703.8	955.5	1195.8	1244.5	1130.0	1124.3
477.8	82.5°	460.6	423.4	354.7	414.8	454.9	683.7	904.0	967.0	841.1	838.2
214.6	85°	180.2	171.7	197.4	226.0	271.8	420.5	595.1	626.5	517.8	417.7
62.9	87.5°	37.2	40.1	48.6	51.5	83.0	145.9	214.6	263.2	208.8	177.4
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°
6168.0
6399.7
6737.3
7126.4
7569.8
8076.2
8699.9
9377.9
9746.9
9555.2
9040.3
8516.8
8059.0
7621.3
7149.3
6645.8
6199.5
6096.5
5821.8
5341.2
4568.8
3936.5
3722.0
3547.5
3455.9
3255.6
3023.9
2743.6
2457.5
2177.1
1888.2
1493.4
1112.9
798.2
412.0
163.1
0.0