

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: P957511

Luminaire Tested: **GLAN-SB9D-830-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-830-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 85499 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 658
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

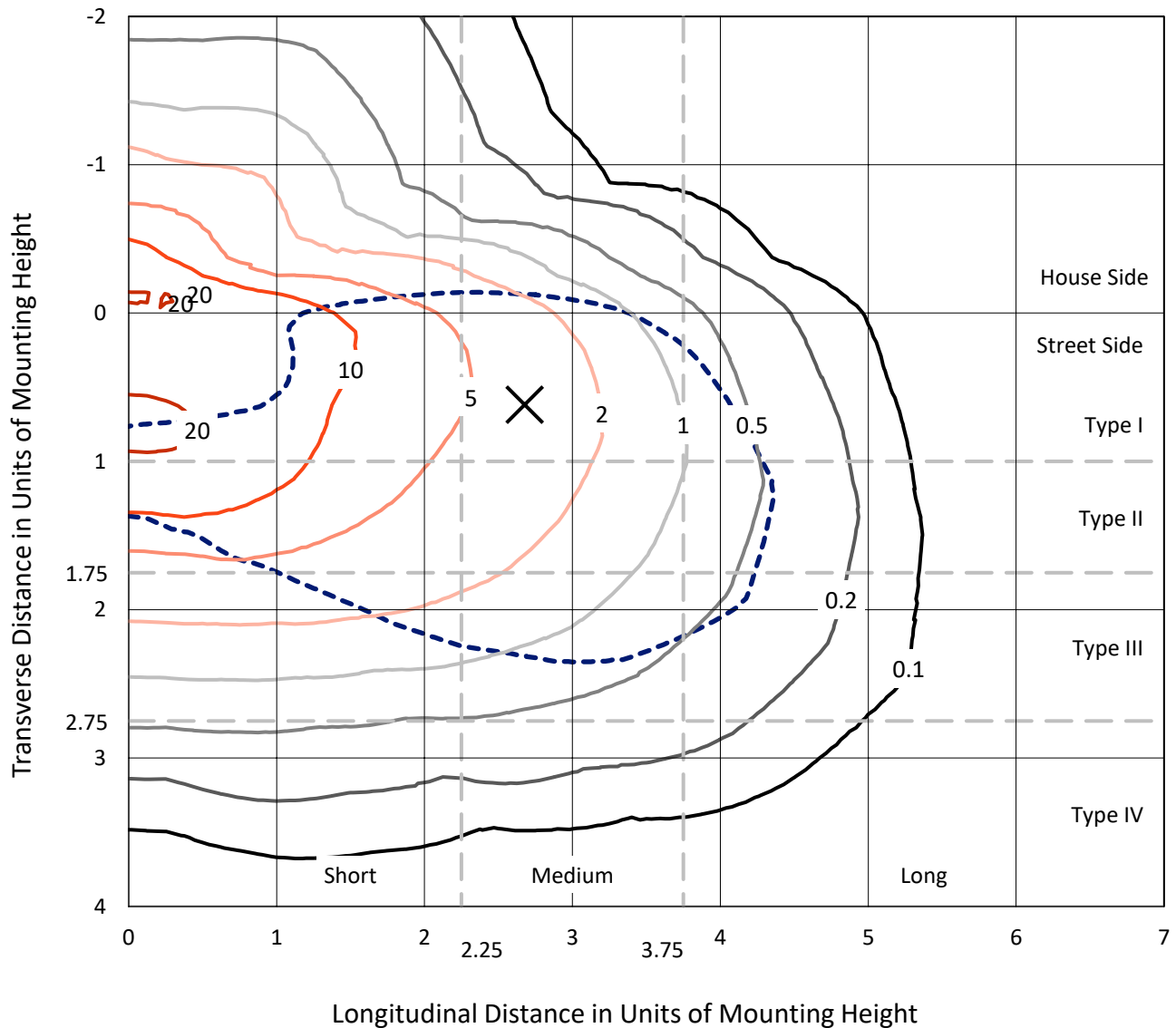


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Iso-Footcandle Lines of Horizontal Illumination

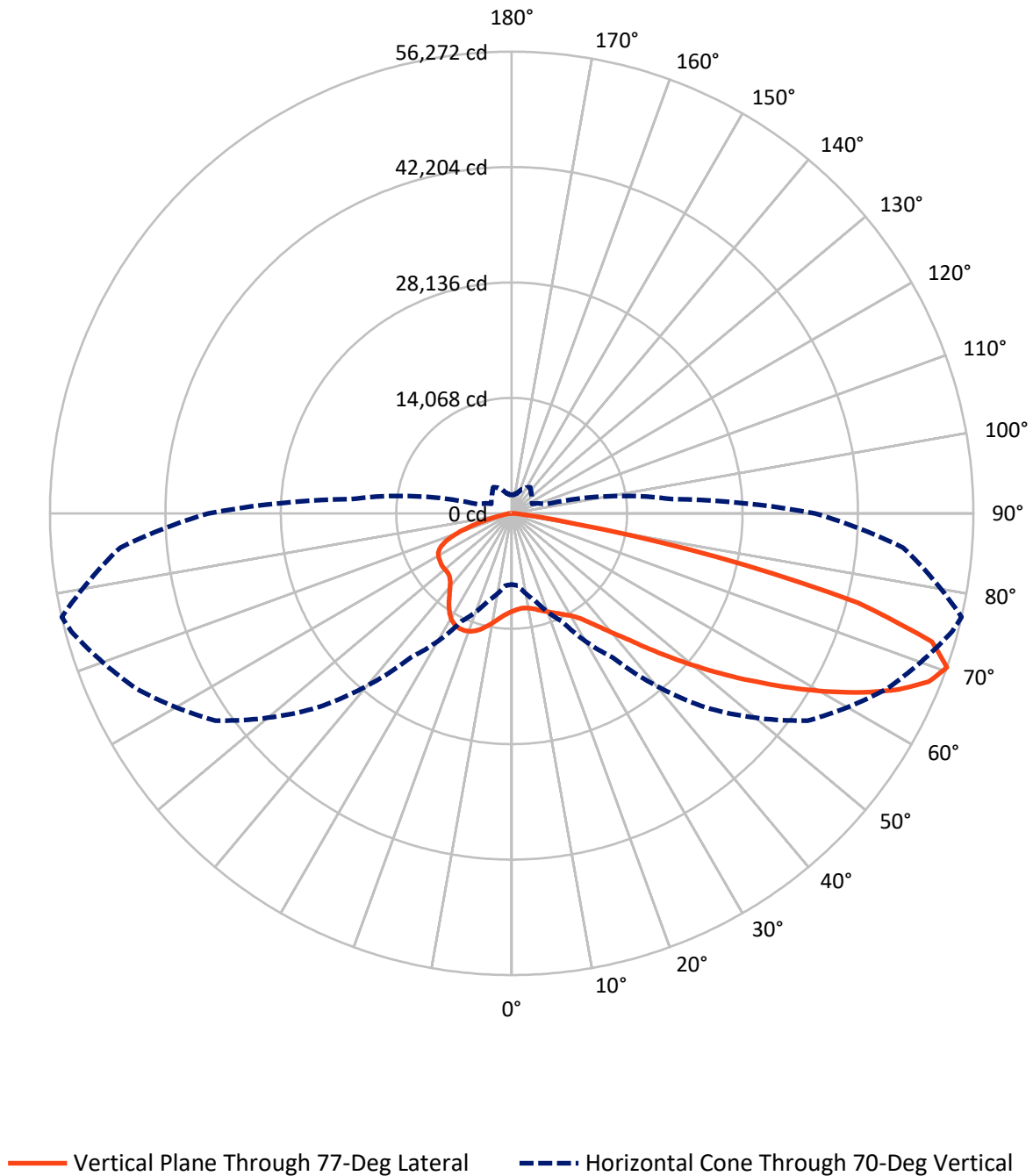
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.6 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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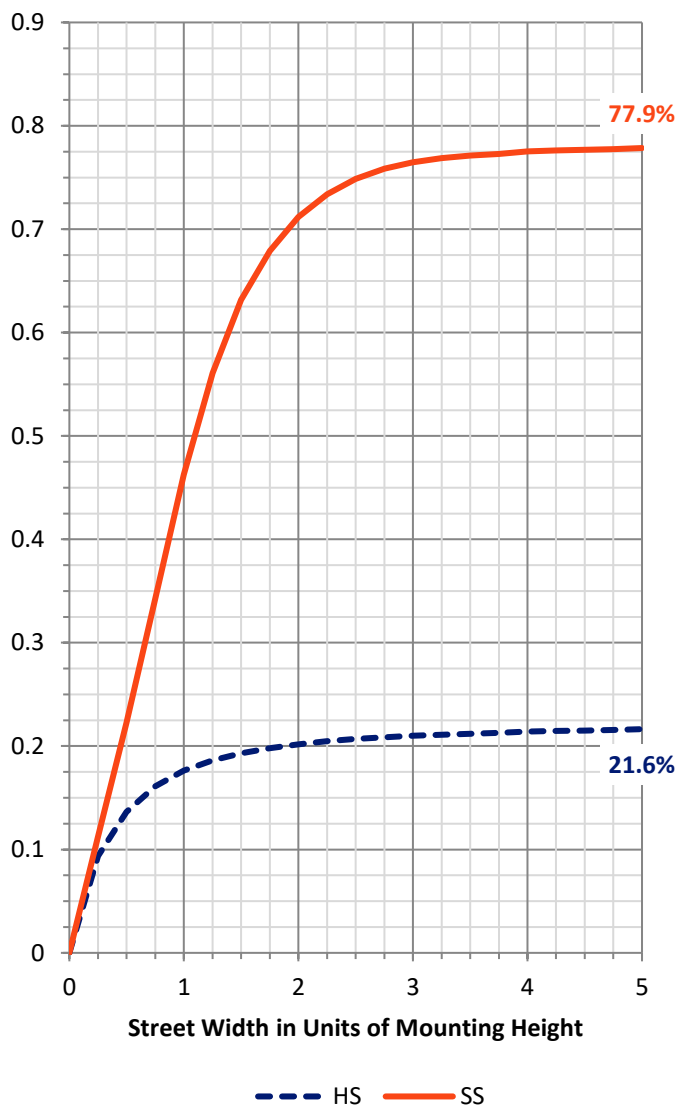
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18723.0	0.0	18723.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	66776.1	0.0	66776.1
	% Fixture	78.1	0.0	78.1
Total	Lumens	85499.0	0.0	85499.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1137.6	1.3
10°-20°	3283.2	3.8
20°-30°	5614.8	6.6
30°-40°	9029.1	10.6
40°-50°	14096.8	16.5
50°-60°	18830.0	22.0
60°-70°	20069.9	23.5
70°-80°	12354.9	14.5
80°-90°	1082.6	1.3
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°	85499.0	100.0
0°-180°	85499.0	100.0

Coefficient of Utilization



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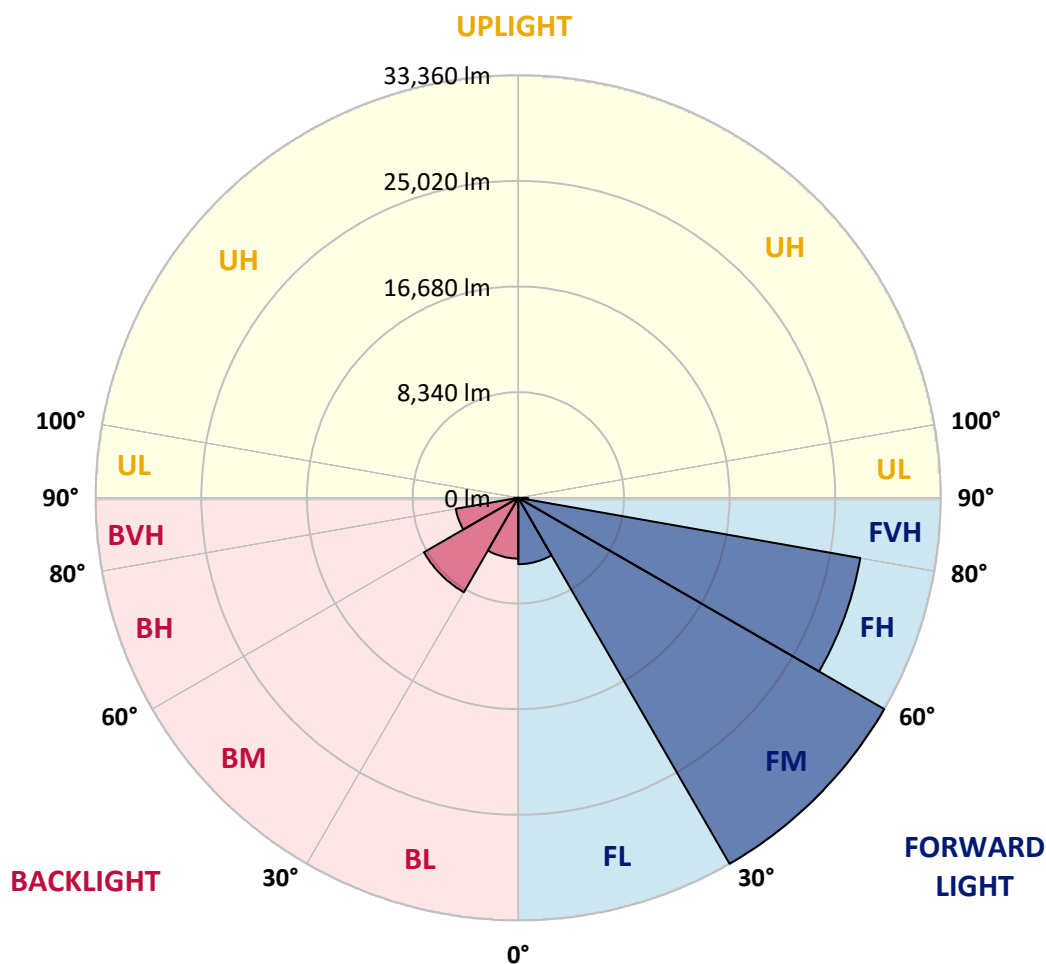
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5238.2	6.1			
FM	(30°-60°)	33359.9	39.0			
FH	(60°-80°)	27421.0	32.1			G5
FVH	(80°-90°)	757.0	0.9			G5
BL	(0°-30°)	4797.4	5.6	B4/5000		
BM	(30°-60°)	8596.1	10.1	B5		
BH	(60°-80°)	5003.8	5.9	B5		G5
BVH	(80°-90°)	325.6	0.4			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9
2.5°	10995.2	10990.8	11047.7	11065.3	11170.4	11244.8	11384.9	11533.8	11726.5	11748.4
5°	10360.3	10360.3	10426.0	10496.0	10631.8	10780.6	10995.2	11253.6	11586.3	11638.9
7.5°	9821.7	9856.7	9913.6	10049.4	10207.0	10421.6	10750.0	11117.8	11555.7	11638.9
10°	9388.2	9427.6	9497.6	9607.1	9843.6	10141.3	10570.5	11043.4	11630.1	11761.5
12.5°	9252.4	9291.8	9331.3	9414.5	9633.4	9983.7	10496.0	11078.4	11809.7	11941.0
15°	9567.7	9615.9	9585.2	9563.3	9677.2	9996.8	10531.0	11205.4	12033.0	12221.3
17.5°	10294.6	10312.1	10242.0	10036.2	10018.7	10189.5	10697.4	11380.5	12313.2	12519.0
20°	11468.1	11437.5	11293.0	10885.7	10653.7	10618.6	10982.1	11643.3	12602.2	12821.2
22.5°	13062.0	13027.0	12738.0	12094.3	11577.6	11236.0	11393.7	11984.8	12926.3	13171.5
25°	15050.0	15001.8	14577.1	13701.3	12900.0	12054.9	11954.2	12435.8	13324.7	13552.4
27.5°	17370.8	17331.3	16871.6	15715.6	14559.6	13175.9	12650.4	12965.7	13740.7	13999.1
30°	19866.7	19980.5	19166.1	17922.5	16460.0	14638.4	13587.5	13618.1	14279.3	14511.4
32.5°	22800.5	22997.5	22016.7	20440.3	18443.6	16227.9	14769.7	14528.9	15063.1	15255.8
35°	25708.0	25931.3	25116.9	23374.1	21075.2	18102.0	16004.6	15575.4	16105.3	16315.5
37.5°	28221.5	28519.2	28098.9	26583.8	23890.8	20361.5	17616.0	16805.9	17388.3	17651.0
40°	30205.1	30660.5	30629.8	29684.0	27210.0	23102.6	19660.9	18325.3	18982.2	19266.8
42.5°	31816.5	32210.6	32552.1	32503.9	30673.6	26216.0	22064.8	20300.2	20799.4	21127.8
45°	32928.7	33349.1	34084.7	34877.3	34005.9	29548.2	24819.1	22642.8	23098.2	23593.1
47.5°	33922.7	34400.0	35354.5	36611.3	36834.6	32893.7	27836.1	25370.9	25786.8	26299.2
50°	34010.3	34421.9	35901.9	37684.1	38844.5	36107.7	31076.4	28431.6	28821.4	29368.7
52.5°	31895.3	32543.3	35126.8	37653.4	39768.4	38796.3	34294.9	31615.0	32052.9	32709.7
55°	24757.8	25708.0	32854.2	36479.9	39440.0	40534.7	37355.7	34999.9	35560.4	36247.8
57.5°	21324.8	21740.8	26080.2	34343.0	37942.4	40985.7	39939.2	38419.7	39321.8	40074.9
60°	19166.1	19512.0	22078.0	31019.5	35972.0	40272.0	41935.9	41607.5	43166.4	44064.0
62.5°	16854.1	17182.5	19516.4	25900.7	33449.8	39085.3	43197.0	44550.1	47107.3	48088.1
65°	14559.6	14839.8	17077.4	21762.7	30244.5	37898.6	43849.4	47094.1	50754.8	51770.7
67.5°	12002.3	12234.4	14349.4	18360.4	26347.3	36274.1	44173.5	49095.3	53929.5	54800.9
70°	8661.3	8840.8	11025.9	14520.1	21456.2	33480.4	44042.1	50514.0	55575.9	56272.1
72.5°	4094.2	4256.2	6822.2	9427.6	15155.1	28041.9	41384.2	49388.6	53903.2	53557.3
75°	2185.0	2325.2	3919.0	5171.4	8004.5	19223.0	33865.8	42544.6	45263.8	43582.3
77.5°	1480.0	1589.5	2425.9	3104.6	3656.3	9125.4	21767.1	29456.3	28339.7	25563.5
80°	1173.5	1287.4	1988.0	2101.8	1769.0	3297.2	8994.1	13635.6	9795.4	7833.7
82.5°	902.0	1029.0	1672.7	1523.8	963.3	1353.1	2618.5	4313.1	2509.1	1909.2
85°	551.7	687.5	1313.6	972.1	543.0	617.4	888.9	1199.8	766.3	639.3
87.5°	280.2	394.1	665.6	354.7	245.2	144.5	236.5	236.5	201.4	175.2
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°
11927.9	0°	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9	11927.9
11866.6	2.5°	11971.7	12059.3	12208.1	12348.3	12457.7	12562.8	12667.9	12724.8	12742.3	12812.4
11932.3	5°	12111.8	12273.8	12562.8	12834.3	13005.1	13110.2	13184.6	13228.4	13237.2	13259.1
12111.8	7.5°	12370.2	12628.5	13031.4	13302.8	13429.8	13421.1	13390.4	13280.9	13237.2	13197.7
12374.5	10°	12733.6	13075.1	13569.9	13758.2	13679.4	13469.2	13197.7	12878.1	12729.2	12584.7
12733.6	12.5°	13184.6	13618.1	14104.2	14095.4	13705.7	13167.1	12536.5	12046.1	11735.2	11511.9
13175.9	15°	13732.0	14231.1	14603.3	14305.6	13451.7	12484.0	11560.1	10920.8	10640.5	10395.3
13622.5	17.5°	14296.8	14831.0	15001.8	14239.9	12812.4	11472.5	10426.0	9922.4	9646.5	9515.2
14104.2	20°	14848.6	15378.4	15238.3	13863.3	11840.3	10325.2	9392.6	9116.7	9059.8	9090.4
14572.7	22.5°	15430.9	15903.9	15286.4	13136.4	10601.1	9151.7	8639.4	8648.2	8775.1	8867.1
15063.1	25°	16026.5	16346.1	15159.5	12085.5	9270.0	8289.1	8162.1	8302.2	8551.8	8731.4
15614.9	27.5°	16600.1	16740.2	14883.6	10785.0	8127.1	7671.7	7693.6	7982.6	8359.2	8608.7
16284.8	30°	17248.1	17090.5	14353.8	9322.5	7334.5	7141.8	7325.8	7662.9	8039.5	8262.8
17129.9	32.5°	17979.4	17392.7	13513.0	7969.4	6774.0	6717.1	7019.2	7238.2	7404.6	7470.3
18250.9	35°	18890.2	17817.4	12435.8	7019.2	6270.5	6406.2	6695.2	6585.7	6520.1	6485.0
19757.2	37.5°	20072.5	18391.0	11174.7	6401.8	5863.2	6182.9	6301.1	5959.6	5701.2	5574.2
21583.2	40°	21495.6	19231.8	9961.8	5924.5	5604.9	5990.2	5784.4	5372.8	5044.4	4864.9
23636.8	42.5°	23076.4	20111.9	8941.5	5565.5	5460.4	5832.6	5403.5	4913.0	4383.2	4326.3
26084.6	45°	24735.9	21018.3	8245.3	5289.6	5390.3	5696.8	5184.5	4392.0	4015.4	4247.4
28541.1	47.5°	26395.5	21850.3	7824.9	5083.8	5355.3	5543.6	4991.8	4102.9	3835.8	4173.0
31172.8	50°	28243.4	22594.7	7636.7	4934.9	5315.9	5482.3	4702.8	4028.5	3647.6	3870.9
33896.4	52.5°	30078.1	23172.7	7496.5	4786.0	5259.0	5434.1	4562.7	3940.9	3419.9	3433.0
36637.5	55°	31908.4	23549.3	7343.3	4589.0	5132.0	5329.0	4549.6	3844.6	3249.1	3187.8
39536.3	57.5°	33861.4	23763.8	7155.0	4370.1	4913.0	5061.9	4536.5	3770.2	3196.5	3095.8
42500.8	60°	35849.4	24079.1	6909.8	4102.9	4619.6	4742.3	4505.8	3743.9	3165.9	2995.1
45294.5	62.5°	37631.5	24188.6	6616.4	3849.0	4243.1	4427.0	4440.1	3722.0	3082.7	2789.3
47615.2	65°	38800.7	23715.7	6104.1	3560.0	3835.8	4102.9	4313.1	3647.6	2933.8	2640.4
48762.5	67.5°	38752.5	22367.0	5302.7	3187.8	3441.7	3743.9	4129.2	3520.6	2754.3	2456.5
47895.5	70°	36948.4	19704.7	4286.9	2754.3	3008.2	3358.6	3892.8	3332.3	2539.7	2255.1
42588.3	72.5°	31689.5	15422.2	3113.3	2246.3	2504.7	2960.1	3586.2	3104.6	2320.8	2075.6
31474.9	75°	22638.5	9760.4	2110.6	1725.3	1948.6	2509.1	3205.3	2837.5	2119.3	2084.3
15763.7	77.5°	11564.4	4663.4	1396.8	1261.1	1357.4	1979.2	2693.0	2535.3	2150.0	1720.9
4483.9	80°	3761.4	1720.9	880.1	858.2	902.0	1318.0	2084.3	2079.9	1628.9	1169.1
1085.9	82.5°	1199.8	740.0	573.6	551.7	529.8	827.6	1453.8	1646.4	1099.1	740.0
389.7	85°	477.3	442.3	337.2	310.9	223.3	389.7	761.9	1094.7	818.8	534.2
100.7	87.5°	175.2	175.2	92.0	65.7	48.2	131.4	205.8	328.4	468.5	275.9
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°
11927.9
12851.8
13294.1
13206.5
12540.9
11459.4
10369.0
9554.6
9077.3
8889.0
8779.5
8670.1
8315.4
7505.3
6520.1
5604.9
4878.0
4383.2
4370.1
4330.6
4037.3
3524.9
3231.6
3109.0
3008.2
2789.3
2640.4
2469.7
2281.4
2062.4
1966.1
1532.6
1033.4
735.6
547.4
271.5
0.0