

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: P951763

Luminaire Tested: **GLAN-SB5D-827-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5D-827-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45460 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 364.9
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

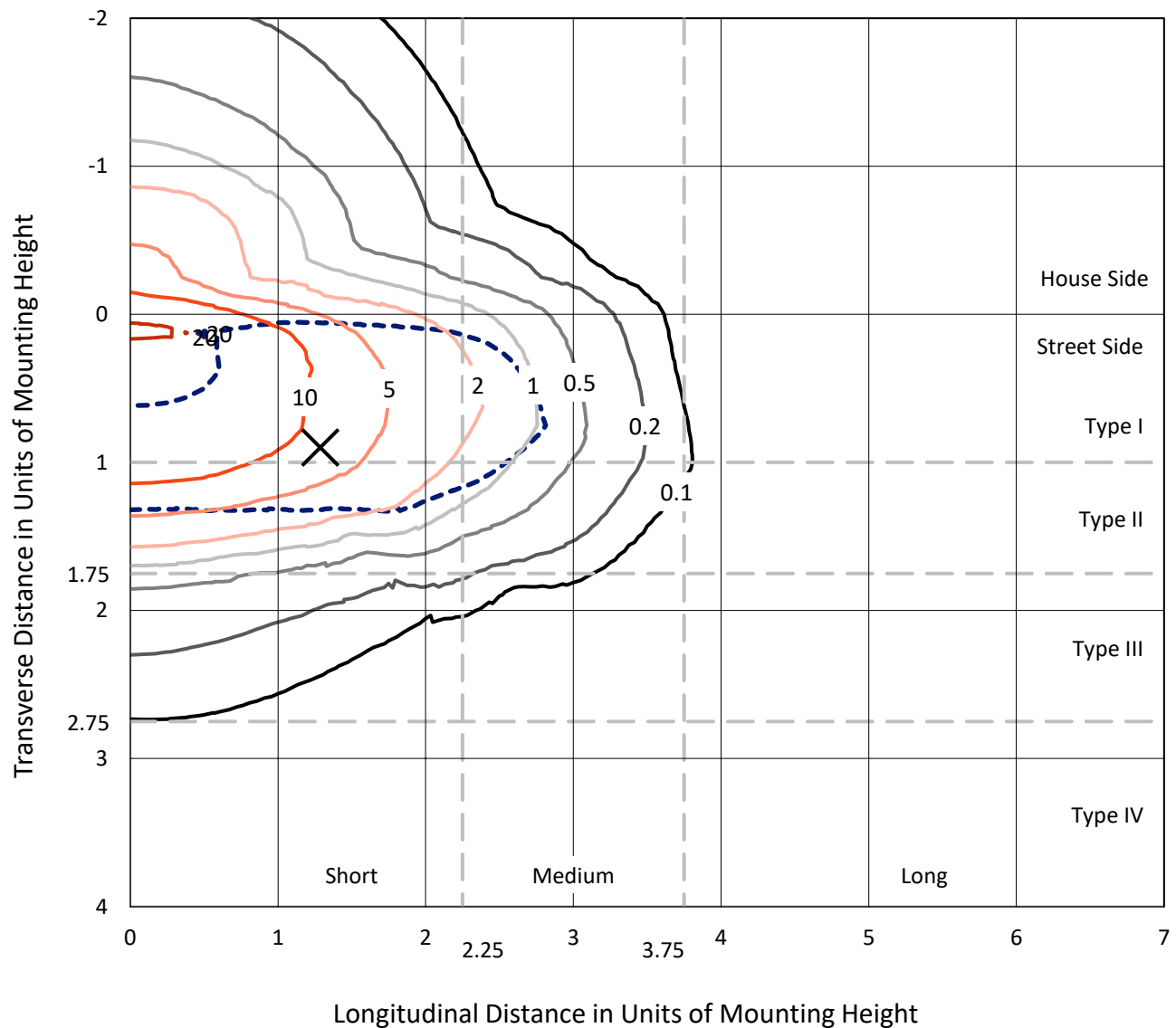


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Iso-Footcandle Lines of Horizontal Illumination

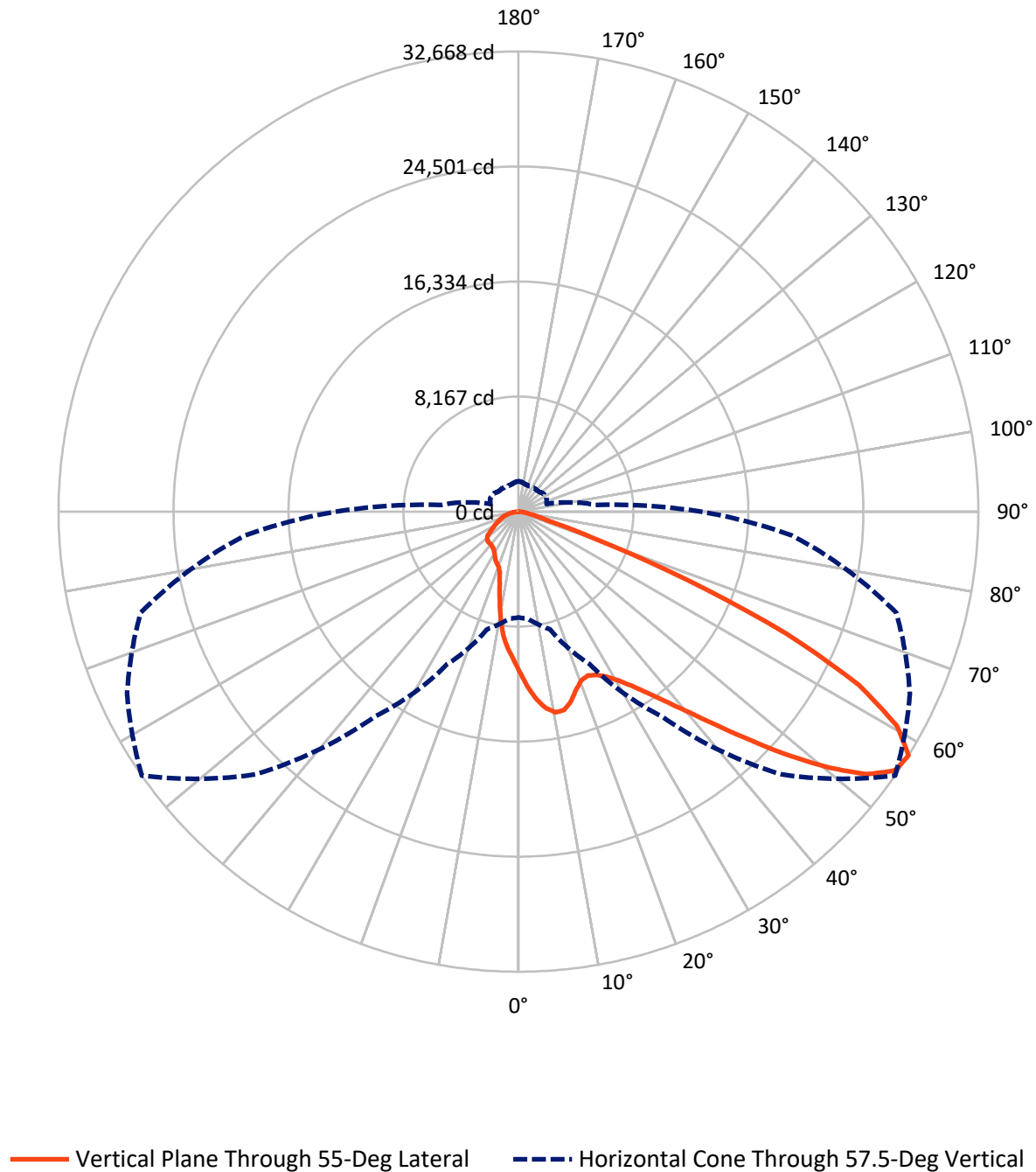
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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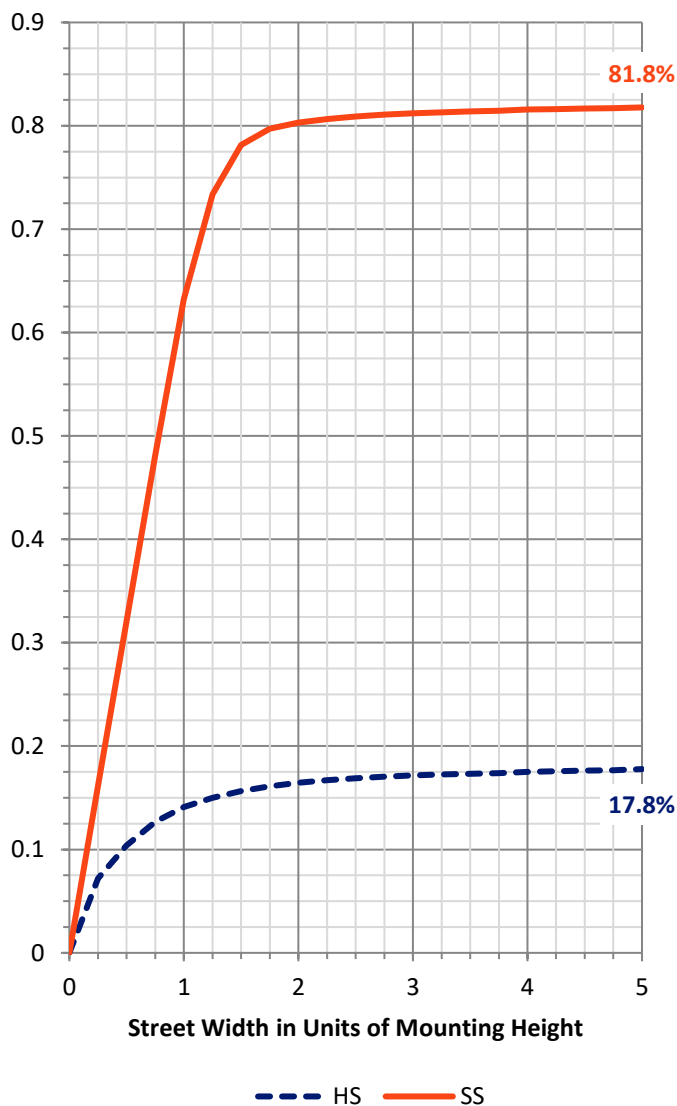
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8225.8	0.0	8225.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	37234.2	0.0	37234.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	45460.0	0.0	45460.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1057.0	2.3
10°-20°	2667.9	5.9
20°-30°	4257.2	9.4
30°-40°	6740.2	14.8
40°-50°	10316.6	22.7
50°-60°	11050.1	24.3
60°-70°	6951.7	15.3
70°-80°	2055.7	4.5
80°-90°	363.5	0.8
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°	45460.0	100.0
0°-180°	45460.0	100.0

Coefficient of Utilization



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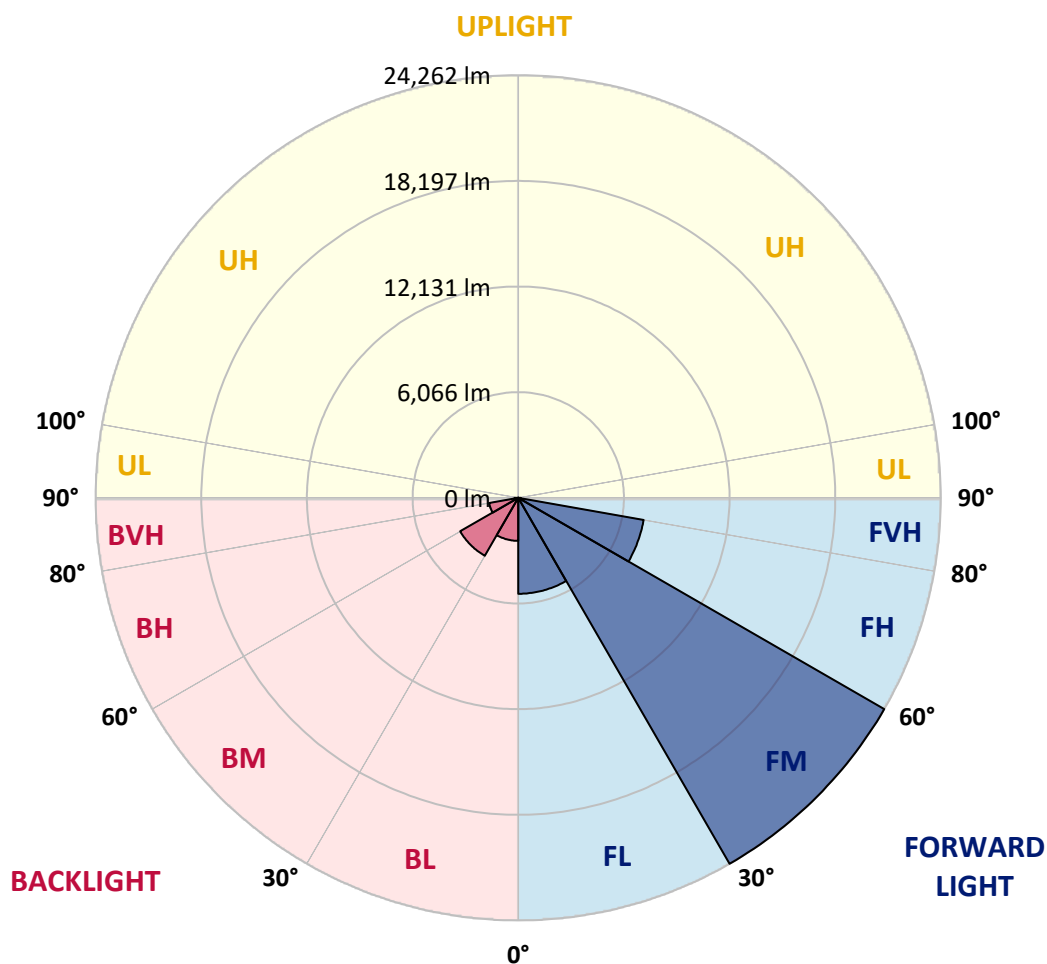
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5509.7	12.1			
FM	(30°-60°)	24262.3	53.4			
FH	(60°-80°)	7308.6	16.1			G3/7500
FVH	(80°-90°)	153.6	0.3			G2/225
BL	(0°-30°)	2472.4	5.4	B3/2500		
BM	(30°-60°)	3844.6	8.5	B3/5000		
BH	(60°-80°)	1698.8	3.7	B3/2500		G3/2500
BVH	(80°-90°)	209.9	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11390.8	11390.8	11390.8	11390.8	11390.8	11390.8	11390.8	11390.8	11390.8	11390.8
2.5°	13068.8	13059.4	13111.1	12934.8	12814.9	12652.8	12438.9	12166.3	11872.6	11562.4
5°	14246.1	14163.9	14217.9	14086.3	13954.7	13710.3	13393.1	12948.9	12406.0	11788.0
7.5°	14060.5	14004.1	14142.7	14260.2	14358.9	14328.4	14095.7	13630.4	12930.1	12032.4
10°	12563.5	12500.0	12695.1	13101.7	13698.6	14217.9	14499.9	14210.9	13465.9	12300.3
12.5°	11242.7	11212.2	11341.4	11670.5	12333.2	13329.6	14448.2	14718.5	14022.9	12617.5
15°	10678.7	10641.1	10723.4	10890.2	11313.2	12241.5	13978.2	15066.3	14570.4	12984.1
17.5°	10554.2	10511.9	10547.1	10634.1	10906.7	11614.1	13268.5	15237.9	15141.5	13393.1
20°	10784.5	10749.2	10753.9	10749.2	10939.6	11501.3	12775.0	15172.1	15639.7	13769.1
22.5°	11341.4	11282.7	11285.0	11160.5	11263.9	11698.7	12645.7	14995.8	16083.9	14098.1
25°	12248.6	12142.8	12164.0	11846.7	11818.5	12140.5	12847.8	14859.5	16525.7	14361.3
27.5°	13489.4	13369.6	13306.1	12833.7	12608.1	12767.9	13259.1	14906.5	16944.0	14589.2
30°	15040.5	14894.8	14765.5	14095.7	13686.8	13628.1	13898.3	15216.7	17437.5	14829.0
32.5°	16941.7	16772.5	16537.5	15649.1	15073.4	14765.5	14725.6	15769.0	18015.7	15134.5
35°	19204.8	18983.9	18650.2	17501.0	16772.5	16142.6	15816.0	16565.7	18807.6	15595.1
37.5°	21536.1	21287.0	20981.4	19613.7	18718.3	17790.0	17146.1	17646.7	19862.8	16220.2
40°	23686.4	23406.7	23122.4	21905.0	20943.8	19825.2	18774.7	19014.4	21153.0	16967.5
42.5°	24955.4	24748.6	24640.5	23982.5	23239.9	22104.8	20800.5	20636.0	22603.0	17827.6
45°	24899.0	24814.4	25148.1	25420.7	25244.5	24614.7	23174.1	22429.1	24057.7	18572.6
47.5°	23568.9	23625.3	24370.2	25902.5	26577.0	26906.0	25876.6	24189.3	25322.0	19129.6
50°	19949.8	19996.8	21721.7	25025.9	26920.1	28774.3	28558.1	25907.2	26302.0	19470.3
52.5°	17085.0	17115.6	17855.8	22426.7	25787.3	29714.3	30974.0	27526.4	27018.8	19564.4
55°	12869.0	12974.7	13804.3	17595.0	22840.4	28969.3	32445.1	29194.9	27472.3	19573.8
57.5°	7517.9	7633.0	8657.7	11943.1	17752.4	26372.5	32668.4	30675.5	27780.2	19498.5
60°	3682.6	3731.9	4178.4	6277.0	10946.6	21369.2	30872.9	31392.3	27951.8	19458.6
62.5°	2481.7	2474.6	2493.4	3097.4	5393.4	13729.1	27131.6	30137.3	27860.1	19305.8
65°	2133.9	2108.0	2037.5	2173.8	2794.2	6279.4	20962.6	26391.3	27162.1	18922.8
67.5°	1844.8	1847.2	1849.5	1807.2	1995.2	2897.6	12810.2	20788.7	24657.0	17108.5
70°	1527.5	1548.7	1558.1	1558.1	1626.3	1901.2	5468.6	14248.5	19449.2	13414.2
72.5°	1391.2	1346.6	1351.3	1327.8	1327.8	1447.6	2202.0	8077.2	12253.3	7546.1
75°	1135.1	1163.3	1168.0	1151.5	1097.5	1104.5	1306.6	3388.8	5243.0	3130.3
77.5°	980.0	980.0	989.4	977.6	935.3	827.2	871.9	1313.7	1783.7	1283.1
80°	787.3	784.9	824.9	848.4	782.6	611.0	557.0	726.2	792.0	564.0
82.5°	383.1	406.6	566.4	646.3	594.6	441.8	340.8	451.2	423.0	249.1
85°	223.3	211.5	253.8	359.6	340.8	244.4	164.5	235.0	220.9	126.9
87.5°	70.5	65.8	51.7	122.2	98.7	68.2	44.7	68.2	61.1	28.2
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
11390.8	0°	11390.8	11390.8	11390.8	11390.8	11390.8	11390.8	11390.8	11390.8	11390.8	11390.8
11428.4	2.5°	11261.5	10984.2	10709.3	10457.8	10305.1	10206.4	10107.7	9997.2	9954.9	9891.5
11459.0	5°	11148.7	10612.9	10135.9	9724.6	9350.9	9057.2	8761.1	8521.4	8413.3	8486.1
11555.3	7.5°	11082.9	10307.4	9571.8	8817.5	8091.3	7510.8	7005.6	6650.7	6490.9	6530.9
11649.3	10°	11024.2	9962.0	8841.0	7649.5	6606.1	5886.9	5369.9	5099.7	4998.6	5019.8
11776.2	12.5°	10970.1	9574.2	7959.7	6392.2	5283.0	4808.2	4660.2	4662.5	4681.3	4695.4
11978.3	15°	10960.7	9106.5	6975.0	5292.4	4568.5	4538.0	4697.8	4798.8	4852.9	4869.3
12147.5	17.5°	10946.6	8547.2	5971.5	4542.7	4394.6	4601.4	4749.5	4815.3	4857.6	4859.9
12312.0	20°	10890.2	7837.5	5045.6	4185.5	4357.0	4535.6	4627.3	4679.0	4714.2	4726.0
12436.6	22.5°	10716.3	7047.9	4324.1	4025.7	4206.6	4350.0	4458.1	4516.8	4538.0	4552.1
12460.1	25°	10403.8	6164.2	3825.9	3872.9	3997.5	4178.4	4265.4	4277.1	4270.1	4291.2
12401.3	27.5°	9994.9	5217.2	3515.7	3666.1	3825.9	3981.0	4028.0	4021.0	4006.9	4030.4
12300.3	30°	9501.3	4366.4	3318.3	3433.5	3652.0	3793.0	3835.3	3818.9	3790.7	3816.5
12248.6	32.5°	8979.6	3670.8	3156.1	3271.3	3508.7	3647.3	3689.6	3673.2	3652.0	3673.2
12307.3	35°	8493.2	3184.3	3005.7	3163.2	3395.9	3532.2	3586.2	3588.6	3588.6	3614.4
12462.4	37.5°	8046.6	2900.0	2881.2	3095.0	3318.3	3440.5	3518.1	3522.8	3421.7	3428.8
12725.6	40°	7633.0	2780.1	2824.8	3050.4	3243.1	3360.6	3365.3	3102.1	2916.4	2911.7
13026.5	42.5°	7294.6	2756.6	2841.2	3045.7	3189.0	3193.7	2862.4	2657.9	2606.2	2608.6
13303.8	45°	6977.4	2749.6	2878.8	3045.7	3109.1	2759.0	2535.7	2481.7	2486.4	2505.2
13428.3	47.5°	6622.5	2721.4	2885.9	3003.4	2878.8	2453.5	2387.7	2364.2	2354.8	2359.5
13400.1	50°	6234.7	2620.3	2796.6	2918.8	2484.0	2321.9	2239.6	2232.6	2244.3	2251.4
13242.7	52.5°	5825.8	2455.8	2643.8	2766.0	2303.1	2206.7	2115.1	2131.5	2183.2	2199.7
13078.2	55°	5557.9	2263.1	2441.7	2460.5	2176.2	2098.6	2021.1	2058.7	2155.0	2185.6
12979.4	57.5°	5487.4	2058.7	2211.4	2190.3	2014.0	2004.6	1957.6	1990.5	2112.7	2157.4
12974.7	60°	5466.3	1875.4	1985.8	1969.4	1856.6	1901.2	1889.5	1905.9	1948.2	1962.3
12927.7	62.5°	5301.8	1729.7	1783.7	1760.2	1715.6	1793.1	1821.3	1786.1	1819.0	1835.4
12605.8	65°	4883.5	1612.1	1586.3	1569.8	1588.6	1659.2	1715.6	1645.1	1675.6	1722.6
11364.9	67.5°	4192.5	1452.3	1381.8	1400.6	1459.4	1497.0	1569.8	1489.9	1515.8	1595.7
9153.5	70°	3391.2	1250.2	1186.8	1240.8	1297.2	1374.8	1386.5	1332.5	1393.6	1482.9
5586.1	72.5°	2399.4	1045.8	1001.1	1111.6	1130.4	1231.4	1205.6	1179.7	1264.3	1294.9
2761.3	75°	1663.9	843.7	817.8	902.4	970.6	1057.5	1038.7	1069.3	1247.9	1262.0
1379.5	77.5°	1052.8	655.7	639.2	693.3	787.3	883.6	914.2	1262.0	2131.5	2216.1
716.8	80°	611.0	488.8	470.0	512.3	594.6	683.9	881.3	1548.7	1405.3	1388.9
322.0	82.5°	340.8	336.1	312.6	324.3	397.2	493.5	1245.5	1090.4	886.0	914.2
129.3	85°	159.8	197.4	169.2	162.2	223.3	578.1	831.9	622.8	413.6	404.2
28.2	87.5°	42.3	37.6	37.6	42.3	94.0	498.2	331.4	265.6	157.5	152.8
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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