

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: P953190

Luminaire Tested: **GLAN-SB6D-827-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-827-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45751 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

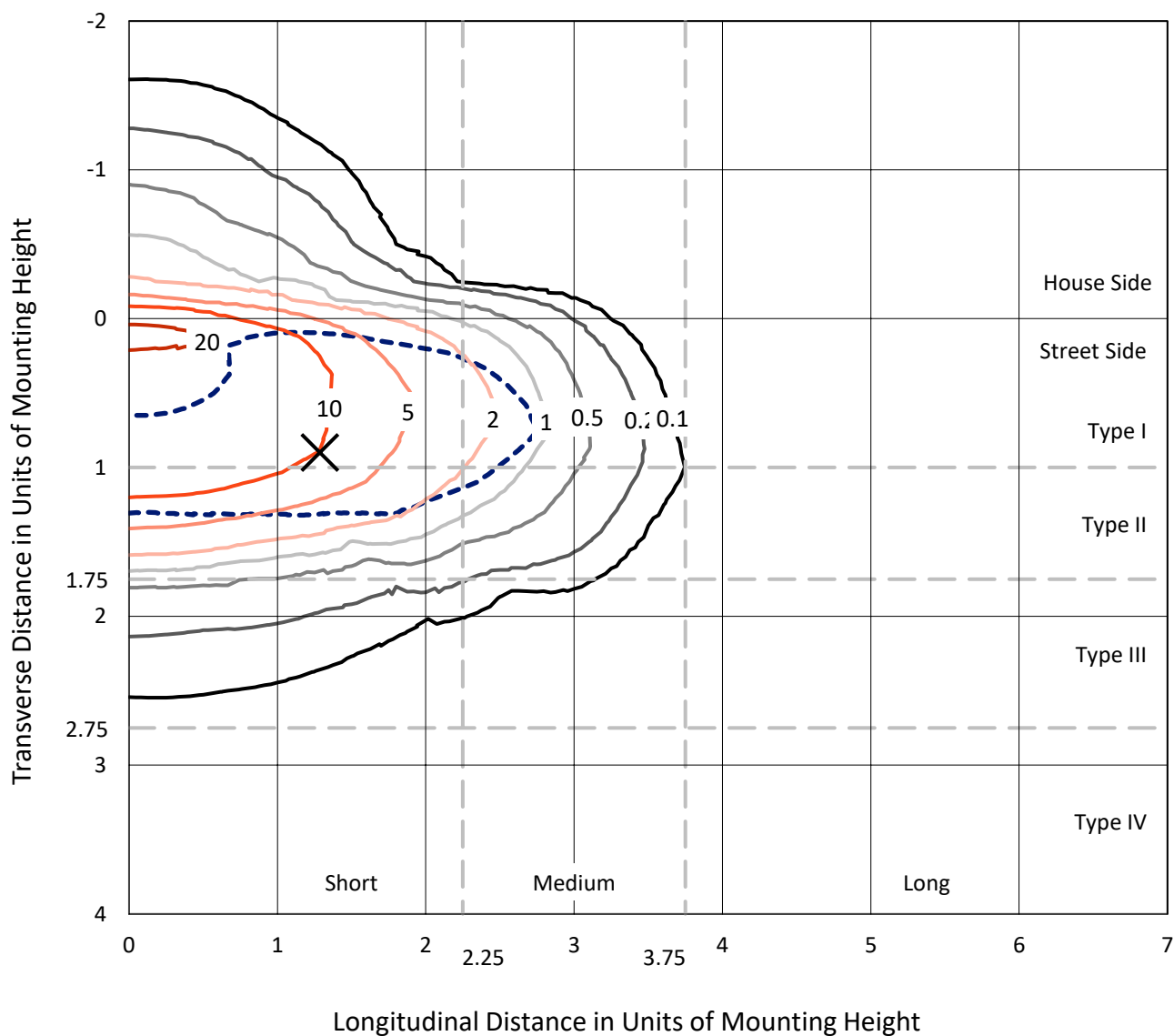
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

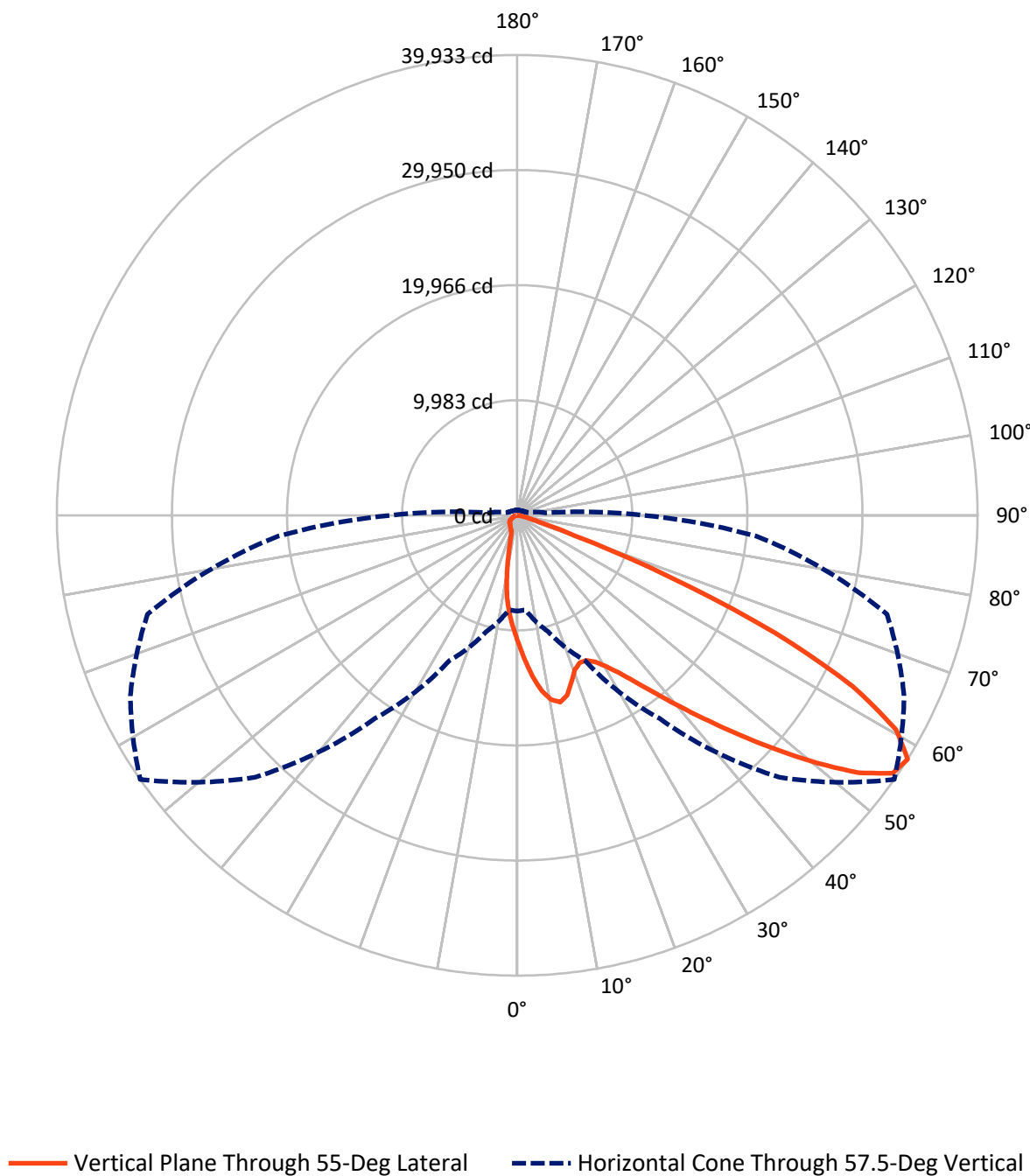
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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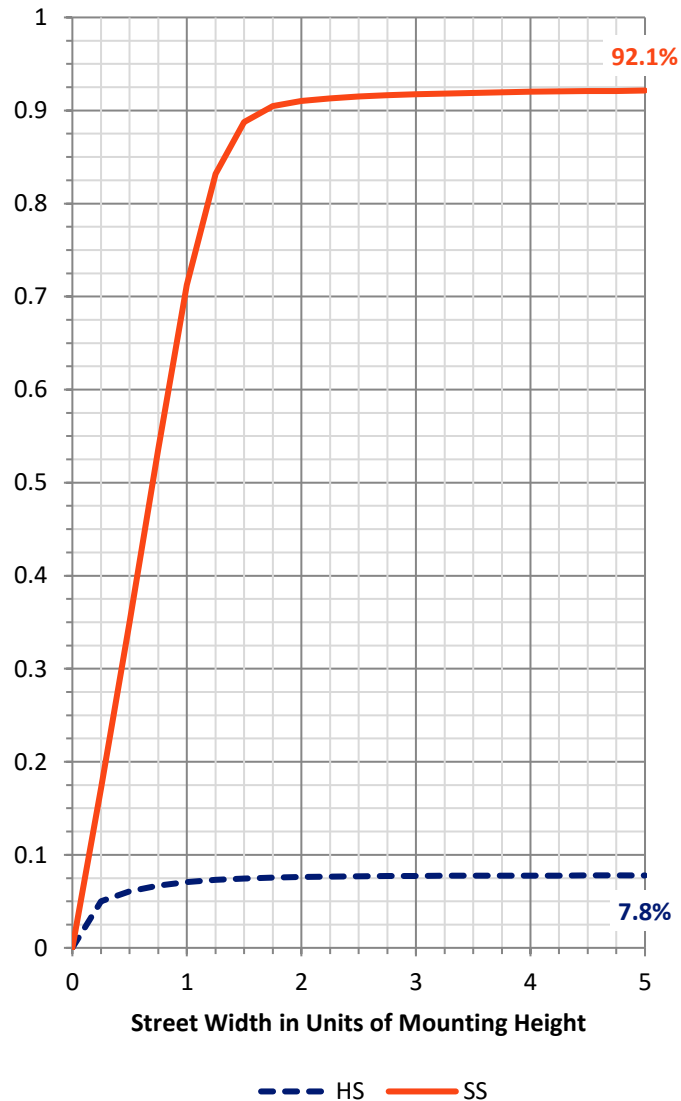
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3573.0	0.0	3573.0
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	42178.0	0.0	42178.0
	% Fixture	92.2	0.0	92.2
Total	Lumens	45751.0	0.0	45751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1025.8	2.2
10°-20°	2477.8	5.4
20°-30°	3964.5	8.7
30°-40°	6710.2	14.7
40°-50°	11016.6	24.1
50°-60°	12108.1	26.5
60°-70°	6945.2	15.2
70°-80°	1419.1	3.1
80°-90°	83.7	0.2
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°	45751.0	100.0
0°-180°	45751.0	100.0

Coefficient of Utilization



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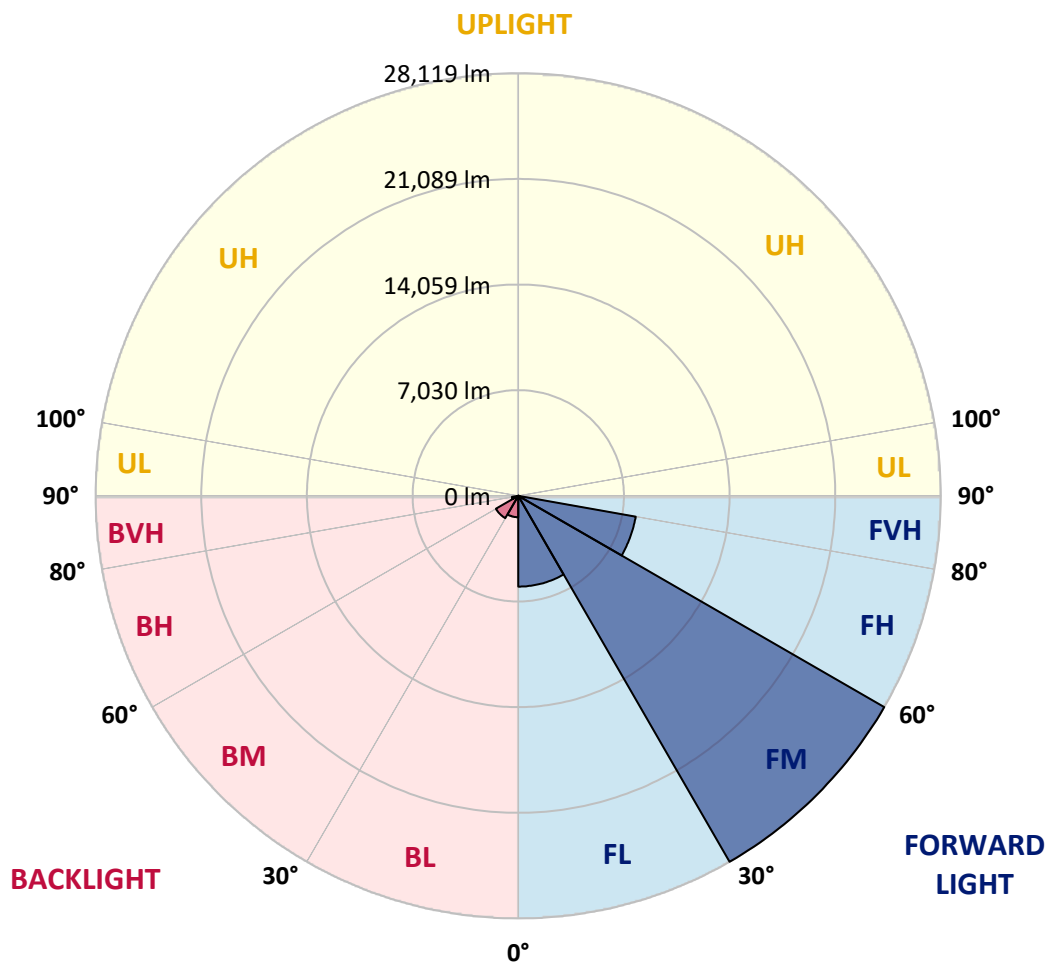
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6041.7	13.2			
FM	(30°-60°)	28118.9	61.5			
FH	(60°-80°)	7939.4	17.4			G4/12000
FVH	(80°-90°)	78.1	0.2			G1/100
BL	(0°-30°)	1426.4	3.1	B3/2500		
BM	(30°-60°)	1716.0	3.8	B2/2500		
BH	(60°-80°)	424.9	0.9	B1/500		G1/500
BVH	(80°-90°)	5.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11024.9	11024.9	11024.9	11024.9	11024.9	11024.9	11024.9	11024.9	11024.9	11024.9
2.5°	13679.5	13507.4	13482.0	13448.2	13120.9	12875.5	12520.0	12130.7	11693.5	11247.7
5°	15803.8	15668.4	15643.0	15485.0	15112.6	14695.1	14063.2	13264.8	12449.5	11490.3
7.5°	16215.7	16190.3	16306.0	16300.3	16249.5	15919.5	15386.3	14435.6	13211.2	11789.4
10°	14379.2	14444.0	14788.2	15090.1	15905.4	16379.3	16263.6	15479.4	13995.5	12130.7
12.5°	12706.2	12630.1	12875.5	13216.9	14164.7	15575.3	16627.6	16351.1	14892.6	12517.2
15°	11656.8	11625.8	11764.0	11922.0	12644.2	14066.0	16204.4	17059.2	15755.9	12974.2
17.5°	11321.1	11295.7	11338.0	11377.5	11845.8	12946.0	15197.3	17493.6	16582.4	13496.1
20°	11594.7	11560.9	11555.2	11524.2	11718.9	12469.3	14286.1	17524.7	17324.4	13970.1
22.5°	12393.1	12353.6	12215.4	12091.2	12108.2	12534.2	13879.8	17214.4	17883.0	14413.0
25°	13840.3	13775.4	13487.7	13070.2	12805.0	12985.5	13941.9	16805.3	18416.1	14760.0
27.5°	15651.5	15566.8	15197.3	14576.6	13970.1	13750.0	14390.4	16523.2	18859.1	15025.2
30°	17425.9	17315.9	16952.0	16469.6	15583.8	14889.8	15200.1	16647.3	19386.6	15301.7
32.5°	19341.5	19237.1	18754.7	18156.6	17423.1	16489.3	16308.8	17253.9	20032.6	15688.1
35°	21764.8	21601.2	20915.6	20100.3	19321.7	18376.7	17809.6	18300.5	20893.1	16277.8
37.5°	24523.8	24303.8	23564.7	22439.0	21423.4	20365.5	19637.7	19739.2	22154.1	17067.7
40°	27124.9	26924.6	26241.9	25181.1	23906.0	22622.4	21846.6	21620.9	23894.7	18029.7
42.5°	28685.0	28504.4	28216.7	27768.1	26693.3	25384.3	24405.3	23917.3	25954.1	19180.7
45°	28772.4	28614.4	29000.9	29522.8	29311.2	28439.5	27246.2	26351.9	28022.0	20261.1
47.5°	27373.1	27265.9	28439.5	30262.0	31170.3	31537.1	30436.9	28583.4	29728.8	21037.0
50°	23559.0	23519.5	25934.4	29280.2	31878.4	34251.0	33802.4	30659.7	31051.9	21437.5
52.5°	20427.6	20283.7	21691.4	26137.5	30848.7	35678.5	37091.8	32696.6	31977.2	21513.7
55°	15493.5	15366.5	17132.5	20879.0	27528.3	35170.7	39498.2	34798.3	32640.1	21319.1
57.5°	8311.0	8232.0	10463.5	13896.7	21519.4	32123.9	39932.7	37021.3	33198.7	20802.8
60°	3235.8	3221.7	4056.7	6742.4	13078.6	26134.7	37740.7	38355.7	33548.5	20168.1
62.5°	1957.8	2000.2	2135.6	3027.0	5777.6	16235.4	32688.1	36837.9	33782.7	19586.9
65°	1619.3	1622.1	1639.1	2079.2	2767.5	6793.2	24608.5	31844.6	33204.4	18551.6
67.5°	1388.0	1413.4	1478.3	1650.3	1952.2	2979.1	14167.6	24667.7	29686.4	16142.3
70°	1094.6	1128.4	1210.3	1356.9	1506.5	1864.7	5236.0	16413.2	22678.8	12167.4
72.5°	922.5	919.7	962.0	1103.1	1196.1	1311.8	2014.3	9196.8	13180.2	5808.6
75°	713.7	741.9	795.6	922.5	978.9	950.7	1091.8	3359.9	4722.5	1760.4
77.5°	558.6	581.1	629.1	753.2	809.7	674.2	629.1	1201.8	1517.8	631.9
80°	251.1	270.8	428.8	555.8	660.1	465.5	341.4	615.0	674.2	287.8
82.5°	45.1	76.2	251.1	293.4	338.5	301.9	177.7	318.8	330.1	115.7
85°	2.8	5.6	87.5	107.2	135.4	98.7	53.6	126.9	110.0	39.5
87.5°	0.0	0.0	0.0	2.8	2.8	14.1	16.9	22.6	16.9	14.1
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°
11024.9	0°	11024.9	11024.9	11024.9	11024.9	11024.9	11024.9	11024.9	11024.9	11024.9	11024.9
11050.3	2.5°	10847.1	10446.5	10057.2	9738.4	9552.2	9236.3	9027.5	8993.7	8906.2	8982.4
11078.5	5°	10638.4	9921.8	9196.8	8547.9	8014.7	7326.4	6813.0	6595.7	6406.7	6471.6
11151.8	7.5°	10539.6	9408.4	8279.9	7171.2	6031.5	4931.3	4113.2	3771.8	3512.3	3548.9
11233.6	10°	10407.0	8875.2	7106.4	5413.7	3887.5	2801.4	2237.1	2028.4	1912.7	1915.5
11354.9	12.5°	10305.5	8237.6	5743.8	3670.3	2366.9	1788.6	1613.7	1562.9	1529.0	1531.9
11538.3	15°	10254.7	7487.2	4398.1	2445.9	1692.7	1514.9	1472.6	1450.0	1427.5	1424.7
11741.4	17.5°	10170.1	6652.2	3218.9	1785.8	1481.1	1419.0	1382.3	1356.9	1328.7	1323.1
11916.3	20°	10043.1	5704.3	2352.8	1509.3	1388.0	1340.0	1289.2	1255.4	1221.5	1215.9
12026.4	22.5°	9809.0	4702.8	1808.3	1396.4	1320.3	1266.7	1204.6	1165.1	1131.3	1125.6
11972.8	25°	9374.5	3763.3	1523.4	1325.9	1261.0	1196.1	1128.4	1074.8	1043.8	1038.2
11857.1	27.5°	8824.4	2956.5	1382.3	1261.0	1184.9	1125.6	1049.4	998.7	970.5	964.8
11704.7	30°	8175.6	2276.6	1300.5	1187.7	1094.6	1043.8	976.1	933.8	916.9	916.9
11597.5	32.5°	7475.9	1819.6	1266.7	1114.3	1015.6	959.2	905.6	888.6	883.0	880.2
11656.8	35°	6818.6	1579.8	1249.7	1055.1	945.1	891.5	868.9	871.7	883.0	883.0
11840.2	37.5°	6234.6	1503.6	1241.3	1012.8	883.0	835.0	849.2	874.5	863.3	863.3
12161.8	40°	5707.1	1512.1	1235.6	981.7	832.2	804.0	832.2	812.5	784.3	781.4
12553.9	42.5°	5303.7	1582.6	1224.4	956.4	801.2	781.4	770.2	739.1	736.3	741.9
12960.1	45°	5010.3	1644.7	1221.5	945.1	767.3	730.7	716.6	685.5	741.9	756.1
13126.6	47.5°	4663.3	1644.7	1221.5	905.6	710.9	696.8	674.2	640.4	696.8	710.9
12968.6	50°	4214.7	1540.3	1173.6	860.4	665.8	657.3	617.8	575.5	564.2	572.7
12599.0	52.5°	3647.7	1351.3	1052.3	798.4	620.6	603.7	555.8	524.7	516.3	516.3
11936.1	55°	3001.7	1131.3	888.6	708.1	572.7	541.7	507.8	493.7	485.2	479.6
11007.9	57.5°	2440.3	928.1	713.7	629.1	527.5	488.1	476.8	459.8	445.7	437.3
10232.1	60°	2003.0	730.7	589.6	558.6	482.4	445.7	442.9	420.3	383.7	378.0
9591.7	62.5°	1546.0	536.0	496.5	485.2	437.3	406.2	400.6	355.5	299.0	287.8
8683.3	65°	1091.8	417.5	400.6	426.0	389.3	361.1	347.0	279.3	220.0	211.6
7267.2	67.5°	767.3	349.8	316.0	372.4	338.5	301.9	293.4	237.0	183.4	177.7
5495.5	70°	547.3	284.9	259.5	318.8	270.8	265.2	248.3	197.5	149.5	143.9
2719.5	72.5°	386.5	217.2	200.3	276.5	186.2	228.5	203.1	152.3	112.8	107.2
925.3	75°	284.9	155.2	141.1	160.8	135.4	172.1	143.9	101.6	70.5	67.7
417.5	77.5°	208.8	98.7	84.6	79.0	79.0	107.2	79.0	42.3	31.0	28.2
211.6	80°	146.7	45.1	39.5	33.9	31.0	25.4	11.3	5.6	2.8	2.8
73.3	82.5°	87.5	19.7	19.7	14.1	8.5	0.0	0.0	0.0	0.0	0.0
28.2	85°	19.7	8.5	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0
11.3	87.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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