

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: P949078

Luminaire Tested: **GLAN-SB3D-940-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-940-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21991 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

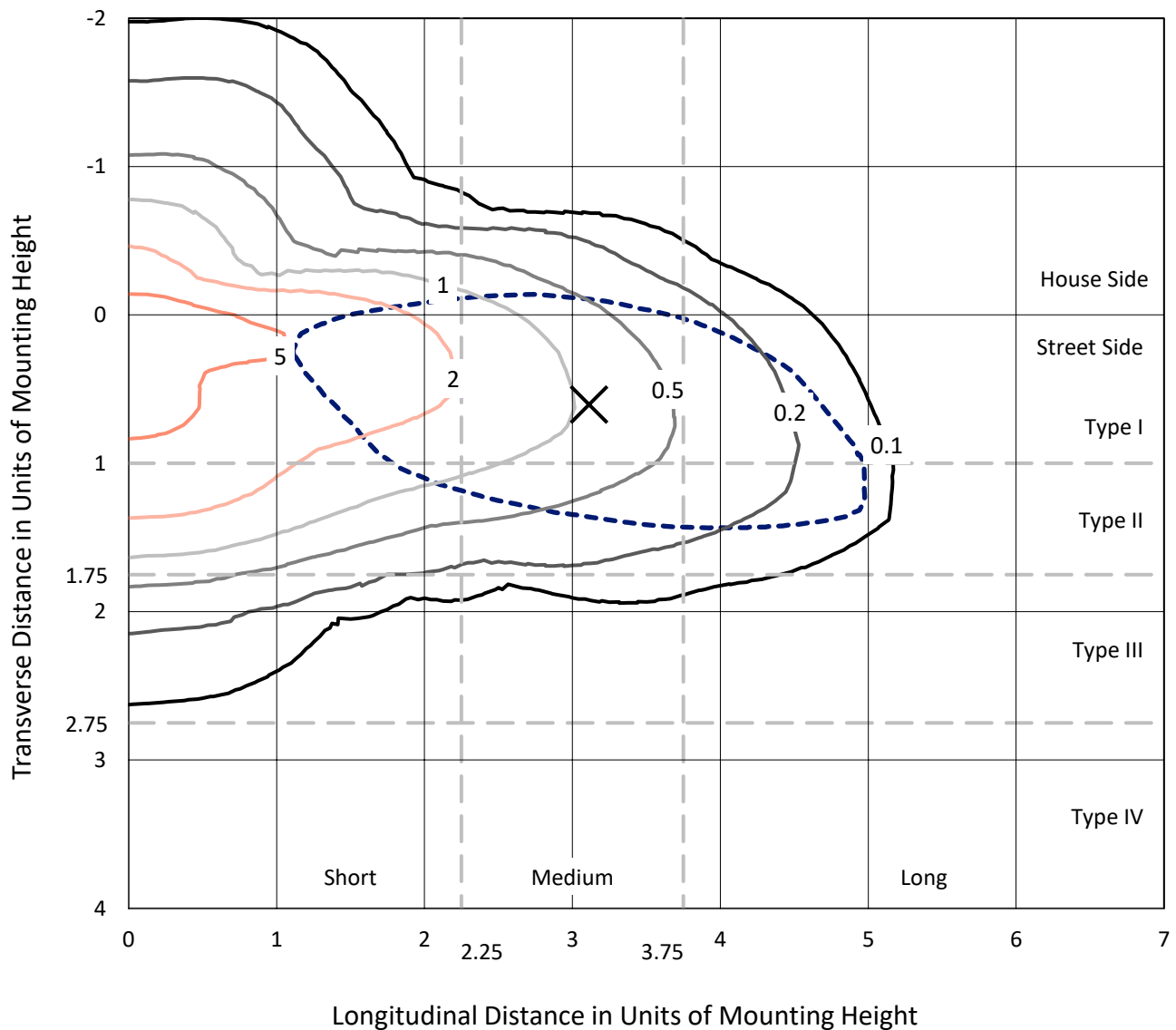
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

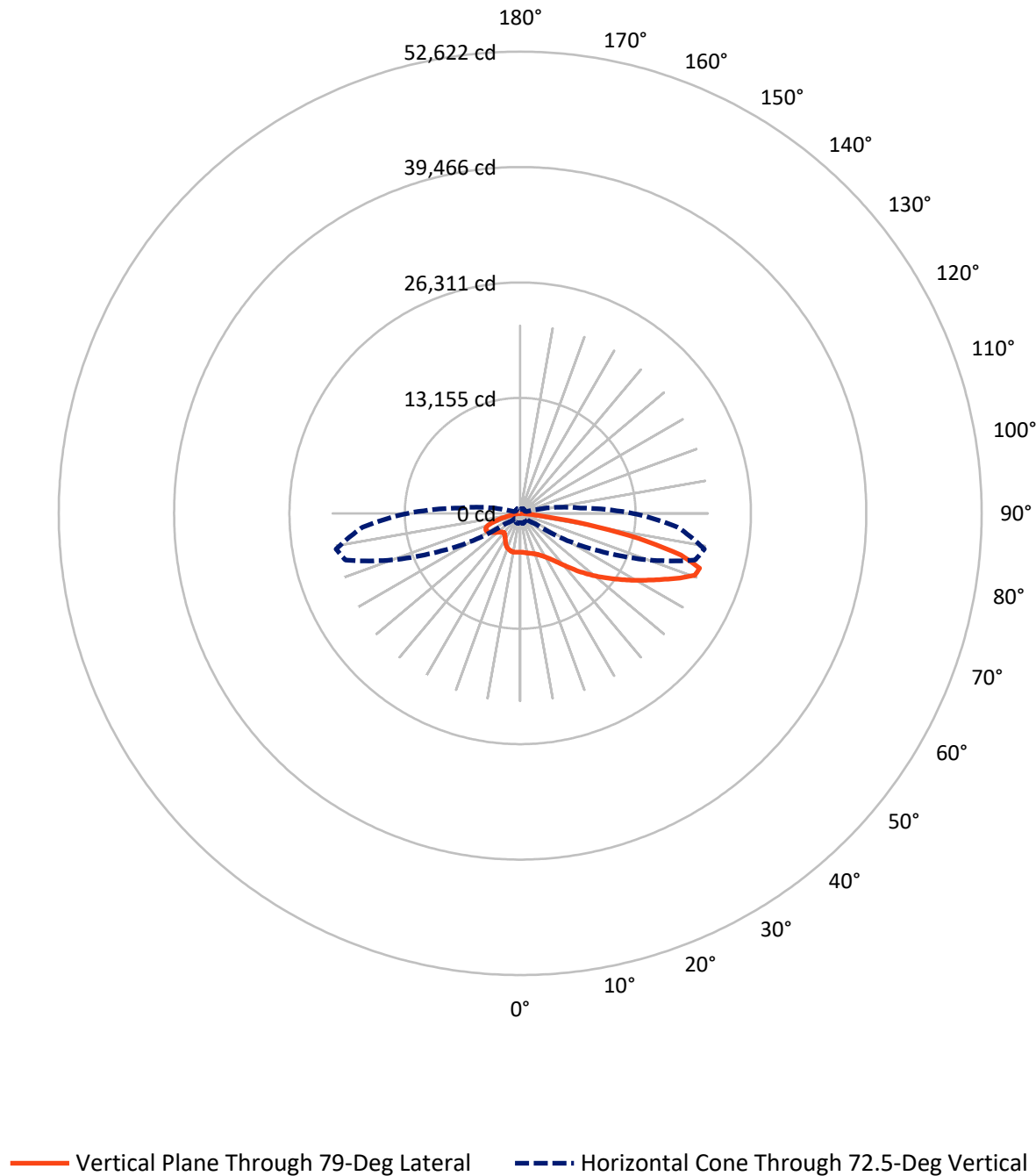
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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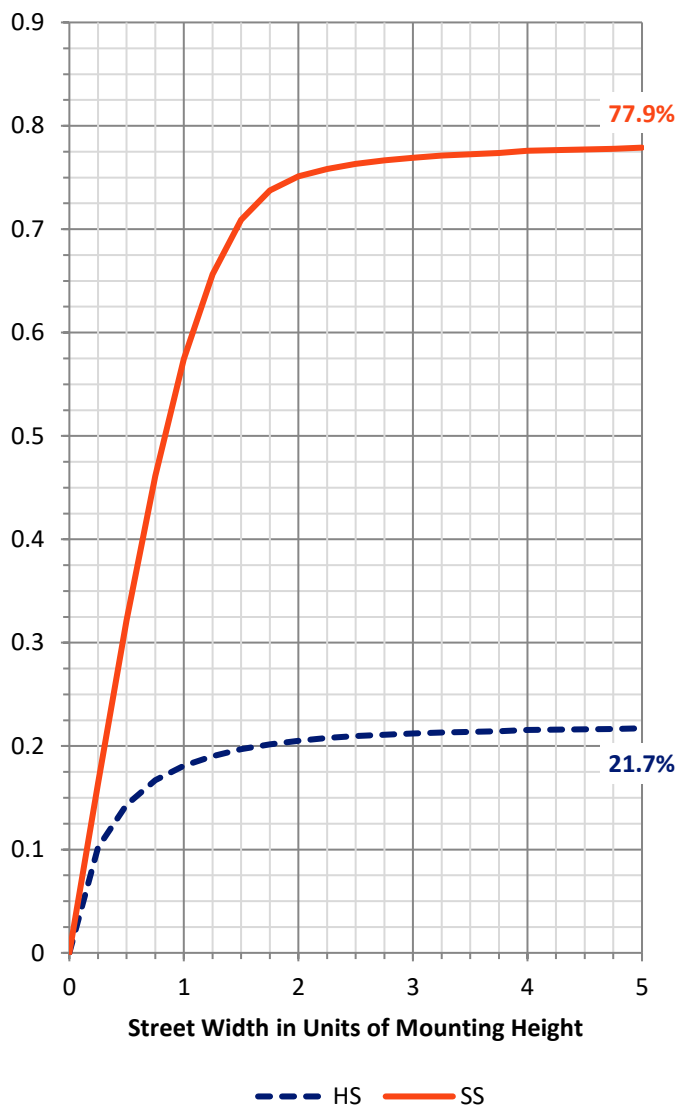
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4839.2	0.0	4839.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	17151.8	0.0	17151.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	21991.0	0.0	21991.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.7	1.8
10°-20°	1047.7	4.8
20°-30°	1690.5	7.7
30°-40°	2537.2	11.5
40°-50°	3599.1	16.4
50°-60°	4545.2	20.7
60°-70°	4616.3	21.0
70°-80°	3146.2	14.3
80°-90°	408.2	1.9
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°	21991.0	100.0
0°-180°	21991.0	100.0

Coefficient of Utilization



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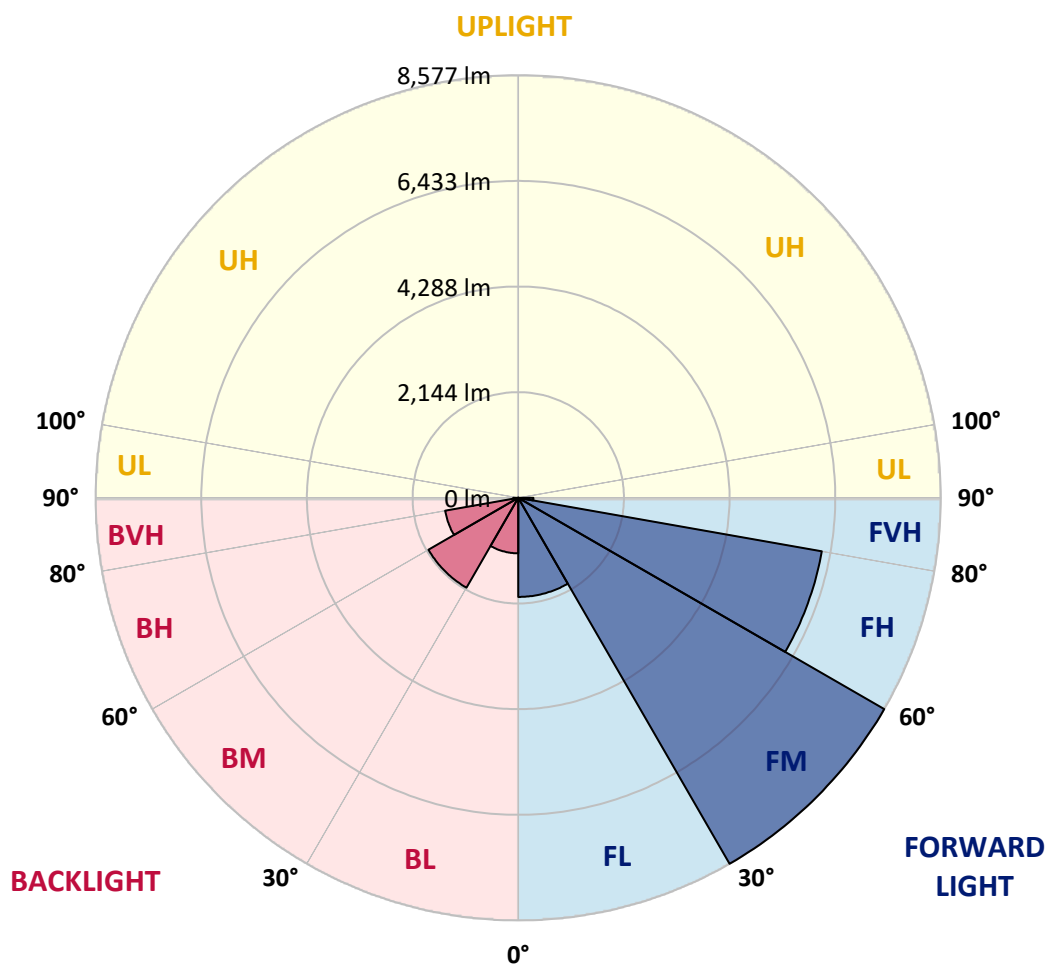
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2011.6	9.1			
FM	(30°-60°)	8576.9	39.0			
FH	(60°-80°)	6255.7	28.4			G3/7500
FVH	(80°-90°)	307.5	1.4			G3/500
BL	(0°-30°)	1127.2	5.1	B3/2500		
BM	(30°-60°)	2104.6	9.6	B2/2500		
BH	(60°-80°)	1506.8	6.9	B3/2500		G3/2500
BVH	(80°-90°)	100.7	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	4414.5	4414.5	4414.5	4414.5	4414.5	4414.5	4414.5	4414.5	4414.5	4414.5
2.5°	4416.8	4395.9	4408.7	4404.0	4409.8	4416.8	4419.1	4422.6	4434.3	4433.1
5°	4407.5	4386.6	4404.0	4398.2	4413.3	4429.6	4443.6	4456.4	4475.0	4483.1
7.5°	4387.7	4373.8	4391.2	4408.7	4436.6	4461.0	4480.8	4509.9	4536.6	4541.3
10°	4272.6	4262.1	4302.8	4348.2	4425.0	4491.3	4534.3	4568.0	4597.1	4601.8
12.5°	4152.8	4140.0	4185.3	4247.0	4371.4	4491.3	4582.0	4626.2	4651.8	4666.9
15°	4133.0	4122.5	4148.1	4201.6	4305.1	4459.9	4614.6	4696.0	4718.1	4735.5
17.5°	4228.4	4208.6	4219.1	4237.7	4298.2	4430.8	4640.2	4775.1	4808.8	4827.4
20°	4449.4	4421.5	4405.2	4368.0	4357.5	4435.4	4637.8	4870.5	4914.7	4937.9
22.5°	4743.7	4725.1	4690.2	4595.9	4493.6	4492.4	4682.0	4992.6	5075.2	5097.3
25°	5099.6	5071.7	5027.5	4899.6	4703.0	4605.3	4756.5	5148.5	5286.9	5292.7
27.5°	5509.1	5467.2	5406.7	5238.1	4972.8	4782.1	4870.5	5327.6	5530.0	5527.7
30°	5940.7	5898.8	5834.8	5630.1	5296.2	5020.5	5028.7	5520.7	5818.5	5805.7
32.5°	6255.9	6224.5	6211.7	6053.5	5668.5	5302.0	5210.1	5734.8	6174.5	6162.8
35°	6497.8	6457.1	6472.3	6392.0	6074.4	5617.3	5432.3	5989.5	6607.2	6606.0
37.5°	6737.5	6701.4	6714.2	6660.7	6450.1	6017.4	5703.4	6301.3	7143.4	7169.0
40°	6956.2	6917.8	6969.0	6918.9	6742.1	6443.2	6011.6	6653.7	7764.6	7813.5
42.5°	7087.6	7057.4	7142.3	7143.4	6995.7	6802.6	6350.1	7042.2	8483.5	8592.8
45°	7133.0	7122.5	7250.5	7277.2	7220.2	7010.8	6654.9	7465.7	9258.2	9453.6
47.5°	7084.1	7064.3	7241.1	7340.0	7385.4	7108.5	6907.3	7924.0	10049.2	10335.4
50°	6837.5	6799.1	7062.0	7270.2	7431.9	7172.5	7162.0	8453.2	10948.4	11261.3
52.5°	6394.3	6365.2	6664.2	7026.0	7329.6	7203.9	7448.2	9031.4	11802.2	12207.0
55°	5827.8	5789.4	6118.6	6590.9	7074.8	7193.5	7734.4	9678.1	12809.6	13220.2
57.5°	4929.8	4853.0	5269.5	5827.8	6659.5	7180.7	8032.2	10321.4	13833.2	14325.3
60°	3620.0	3506.0	4016.7	4678.5	5847.6	7056.2	8400.9	11042.6	15061.6	15504.8
62.5°	2107.8	2041.5	2375.3	2993.0	4407.5	6323.4	8608.0	11881.3	16269.0	16734.3
65°	1636.7	1618.1	1647.1	1694.8	2453.3	4734.4	7969.3	12699.1	17804.5	18130.2
67.5°	1497.1	1483.1	1495.9	1406.4	1244.7	2637.1	6304.7	12906.1	19449.3	19647.1
70°	1330.7	1314.5	1356.3	1279.6	979.4	1199.3	4073.7	12154.7	20758.0	21129.0
72.5°	1084.1	1065.5	1163.2	1128.3	824.7	770.1	2046.1	10369.1	20620.7	21390.8
75°	832.9	822.4	938.7	967.8	672.4	606.0	981.8	7707.6	18146.5	18922.4
77.5°	646.8	638.6	697.9	803.8	542.1	469.9	603.7	4889.1	13675.0	13811.1
80°	485.1	461.8	516.5	622.3	422.3	343.2	409.5	2851.1	8644.0	7835.6
82.5°	303.6	292.0	337.3	415.3	297.8	236.1	266.4	1575.0	3464.1	2040.3
85°	173.3	168.7	183.8	237.3	161.7	136.1	152.4	695.6	632.8	435.1
87.5°	69.8	67.5	83.8	105.9	59.3	50.0	53.5	167.5	139.6	129.1
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4414.5	0°	4414.5	4414.5	4414.5	4414.5	4414.5	4414.5	4414.5	4414.5	4414.5	4414.5
4431.9	2.5°	4427.3	4427.3	4411.0	4385.4	4356.3	4337.7	4307.5	4299.3	4267.9	4258.6
4471.5	5°	4480.8	4471.5	4421.5	4349.3	4250.5	4159.7	4059.7	3996.9	3908.5	3877.1
4549.4	7.5°	4548.3	4522.7	4436.6	4278.4	4071.3	3867.8	3656.1	3495.5	3342.0	3287.3
4613.4	10°	4609.9	4573.8	4427.3	4150.4	3792.2	3439.7	3102.4	2866.2	2687.1	2613.8
4684.4	12.5°	4671.6	4605.3	4365.6	3937.6	3395.5	2917.4	2558.0	2374.2	2263.7	2175.3
4742.5	15°	4729.7	4636.7	4270.2	3652.6	2960.4	2475.4	2210.2	2063.6	1975.2	1917.0
4827.4	17.5°	4797.2	4663.4	4127.2	3290.8	2546.3	2169.4	1953.1	1864.7	1847.2	1840.2
4943.8	20°	4891.4	4687.8	3938.7	2886.0	2241.6	1925.2	1813.5	1805.3	1804.2	1800.7
5083.3	22.5°	4992.6	4716.9	3689.8	2518.4	1982.2	1772.8	1753.0	1736.7	1726.2	1725.1
5252.0	25°	5112.4	4726.2	3378.0	2217.1	1761.1	1700.7	1677.4	1653.0	1646.0	1646.0
5443.9	27.5°	5228.8	4694.8	3015.1	1955.4	1636.7	1634.3	1604.1	1596.0	1594.8	1598.3
5662.6	30°	5345.1	4635.5	2654.5	1713.4	1564.6	1564.6	1554.1	1559.9	1564.6	1576.2
5962.8	32.5°	5502.1	4572.7	2353.2	1534.3	1501.7	1490.1	1500.6	1512.2	1516.9	1532.0
6357.1	35°	5732.4	4528.5	2113.6	1436.6	1436.6	1421.5	1427.3	1425.0	1414.5	1407.5
6834.0	37.5°	6037.2	4526.2	1915.9	1391.2	1381.9	1379.6	1380.8	1365.6	1324.9	1276.1
7411.0	40°	6403.6	4589.0	1763.5	1359.8	1352.8	1366.8	1359.8	1319.1	1207.4	1122.5
8120.6	42.5°	6895.7	4768.1	1665.8	1321.4	1342.4	1359.8	1331.9	1191.2	1115.5	1058.5
8929.0	45°	7475.0	5058.9	1615.7	1280.7	1322.6	1343.5	1208.6	1147.0	1086.5	1017.8
9810.7	47.5°	8131.0	5425.3	1604.1	1242.3	1278.4	1291.2	1156.3	1128.3	1059.7	985.3
10697.1	50°	8845.3	5859.2	1635.5	1197.0	1214.4	1170.2	1138.8	1113.2	1042.3	969.0
11605.6	52.5°	9583.9	6337.3	1698.3	1135.3	1150.4	1101.6	1131.8	1109.7	1031.8	932.9
12544.3	55°	10309.8	6818.9	1758.8	1063.2	1085.3	1039.9	1112.1	1095.8	984.1	872.4
13545.9	57.5°	11047.3	7298.1	1818.1	999.2	1022.5	980.6	1080.6	1058.5	930.6	816.6
14639.3	60°	11813.8	7763.4	1846.1	937.6	953.9	925.9	1033.0	994.6	870.1	759.6
15714.2	62.5°	12531.6	8150.8	1800.7	875.9	886.4	874.8	970.1	919.0	809.6	695.6
16834.4	65°	13251.6	8381.1	1661.1	815.4	817.8	811.9	881.7	837.5	738.7	639.8
17815.0	67.5°	13904.2	8510.2	1438.9	750.3	744.5	742.1	799.1	749.1	670.0	583.9
18560.6	70°	14042.6	8182.2	1099.3	673.5	673.5	667.7	708.4	657.2	594.4	524.6
18026.7	72.5°	12825.9	6882.9	780.5	586.3	595.6	583.9	617.7	574.6	517.6	471.1
15536.2	75°	10342.3	5047.3	567.7	496.7	513.0	493.2	524.6	494.4	445.5	444.4
10706.4	77.5°	7106.2	3121.0	411.8	409.5	421.1	395.5	431.6	415.3	371.1	351.3
4659.9	80°	3032.6	1244.7	300.1	316.4	316.4	293.1	335.0	339.7	301.3	292.0
899.2	82.5°	603.7	353.6	210.5	217.5	204.7	197.8	237.3	262.9	362.9	403.6
271.0	85°	181.5	130.3	126.8	118.7	104.7	105.9	139.6	264.1	325.7	186.1
89.6	87.5°	50.0	32.6	33.7	26.8	22.1	29.1	47.7	200.1	109.3	46.5
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°
4414.5
4273.7
3900.3
3294.3
2630.1
2204.3
1927.5
1844.9
1812.3
1737.9
1653.0
1607.6
1584.3
1544.8
1423.8
1277.2
1120.2
1056.2
1013.2
979.4
960.8
925.9
866.6
814.3
756.1
694.5
632.8
577.0
522.3
457.2
400.2
329.2
292.0
404.8
160.5
39.6
0.0