

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: P951577

Luminaire Tested: **GLAN-SB5C-940-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951577
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-SB5C-940-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27248 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 249.5
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



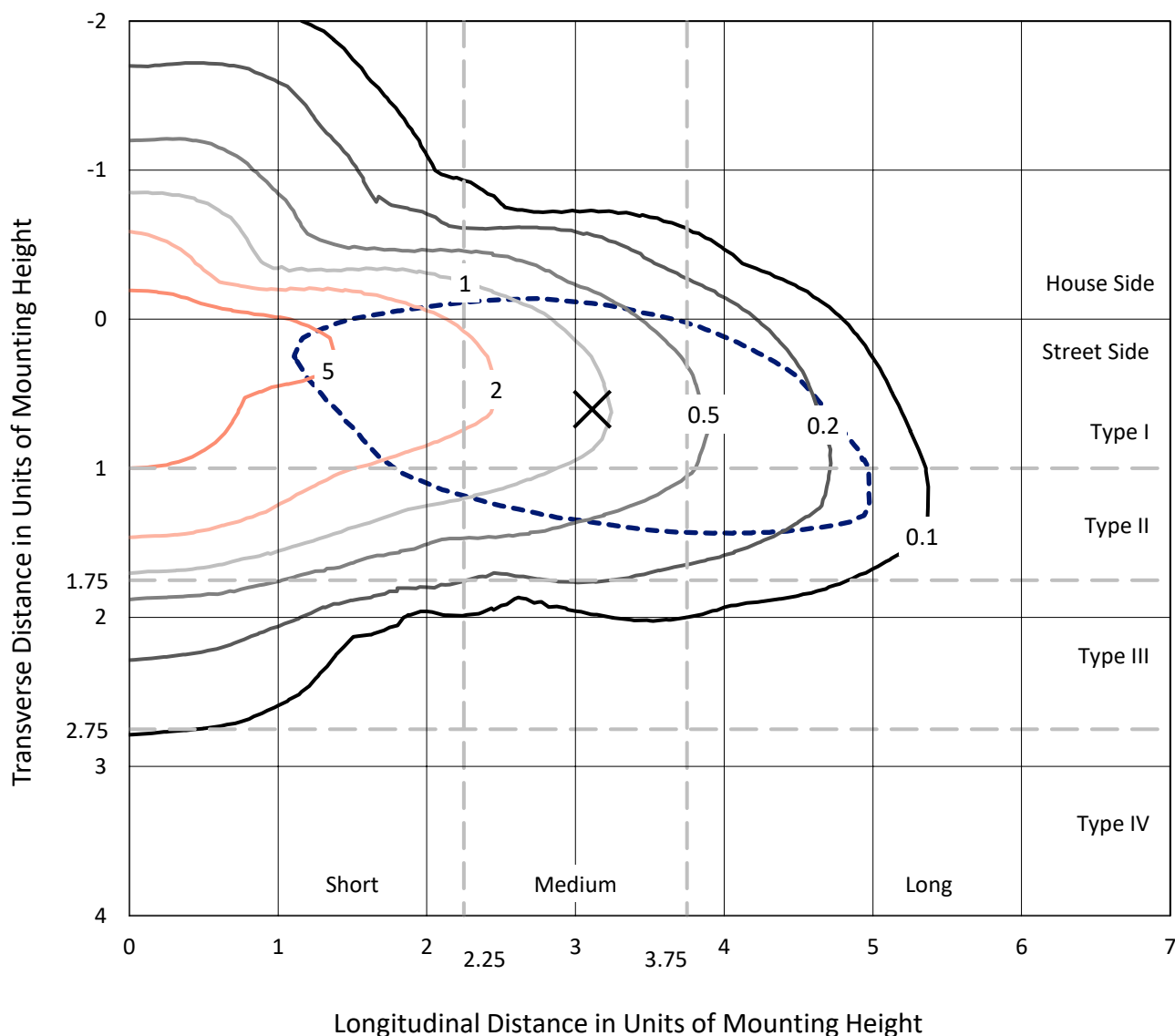
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

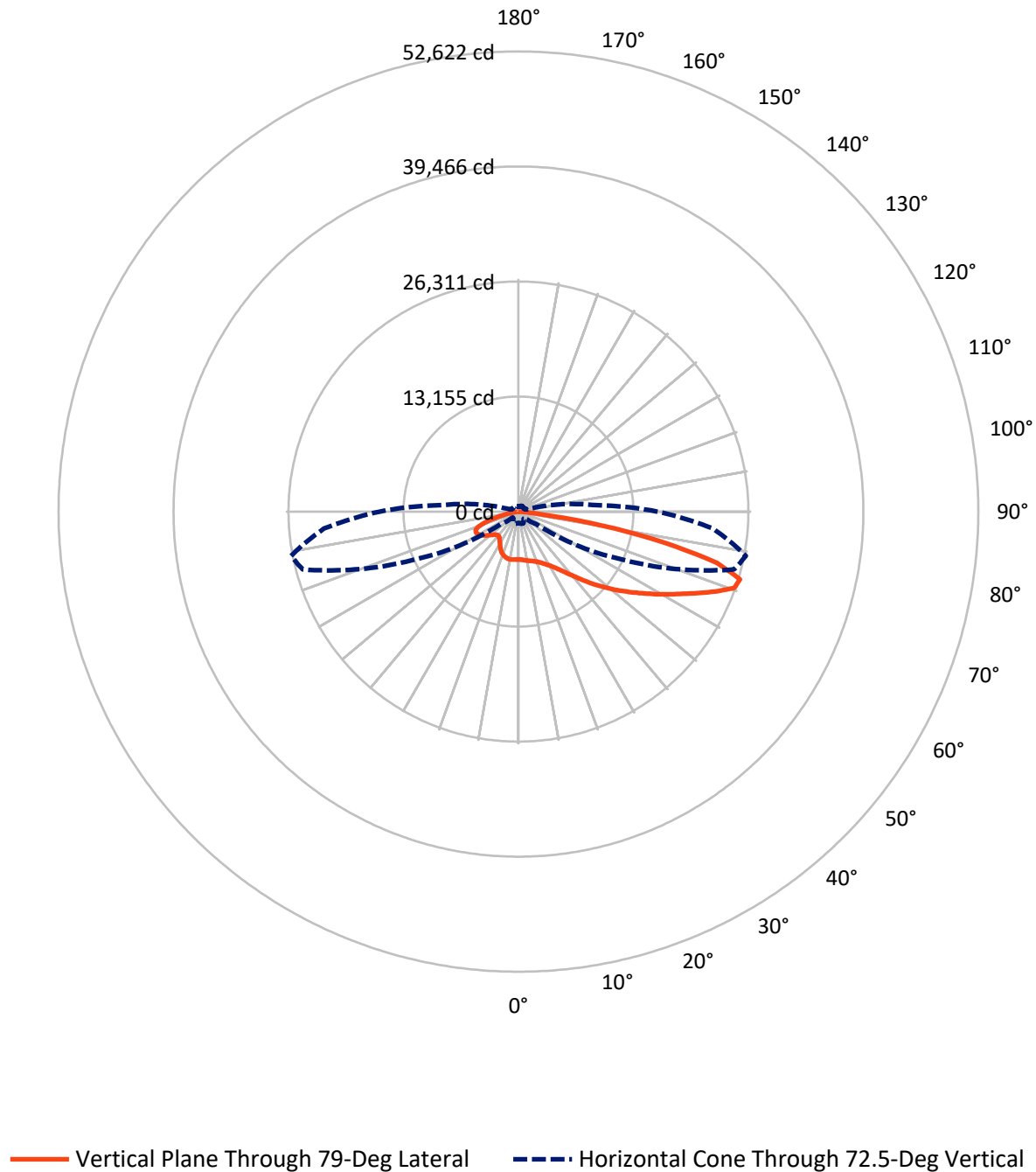
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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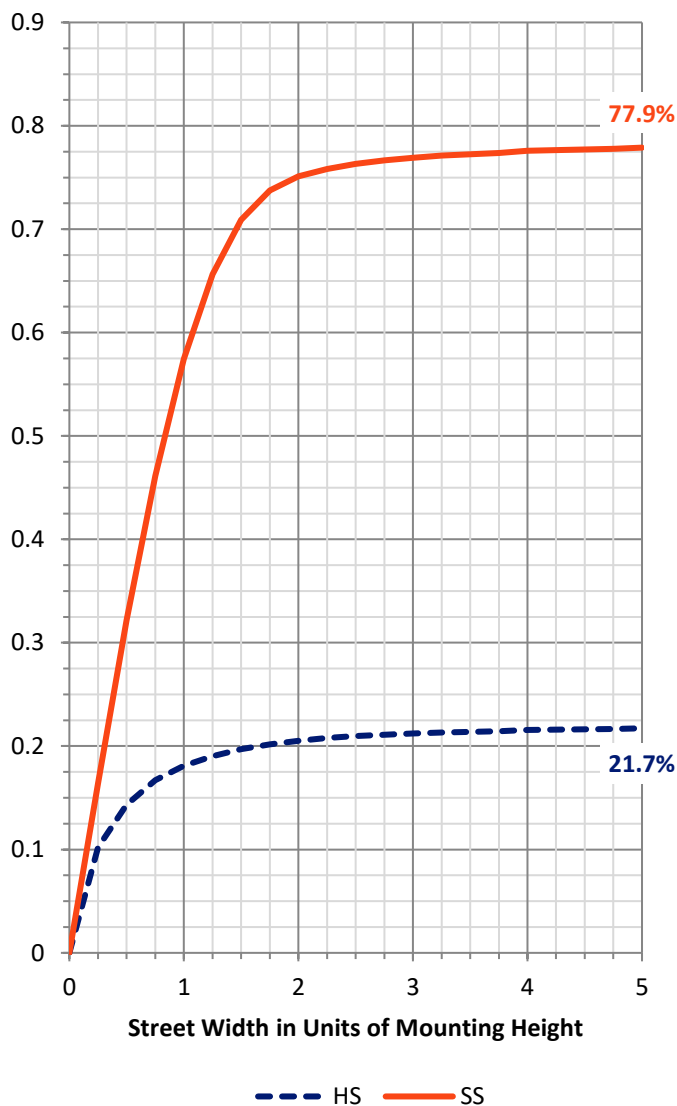
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5996.1	0.0	5996.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	21251.9	0.0	21251.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	27248.0	0.0	27248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.5	1.8
10°-20°	1298.1	4.8
20°-30°	2094.6	7.7
30°-40°	3143.7	11.5
40°-50°	4459.5	16.4
50°-60°	5631.8	20.7
60°-70°	5719.8	21.0
70°-80°	3898.3	14.3
80°-90°	505.8	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°	27248.0	100.0
0°-180°	27248.0	100.0

Coefficient of Utilization



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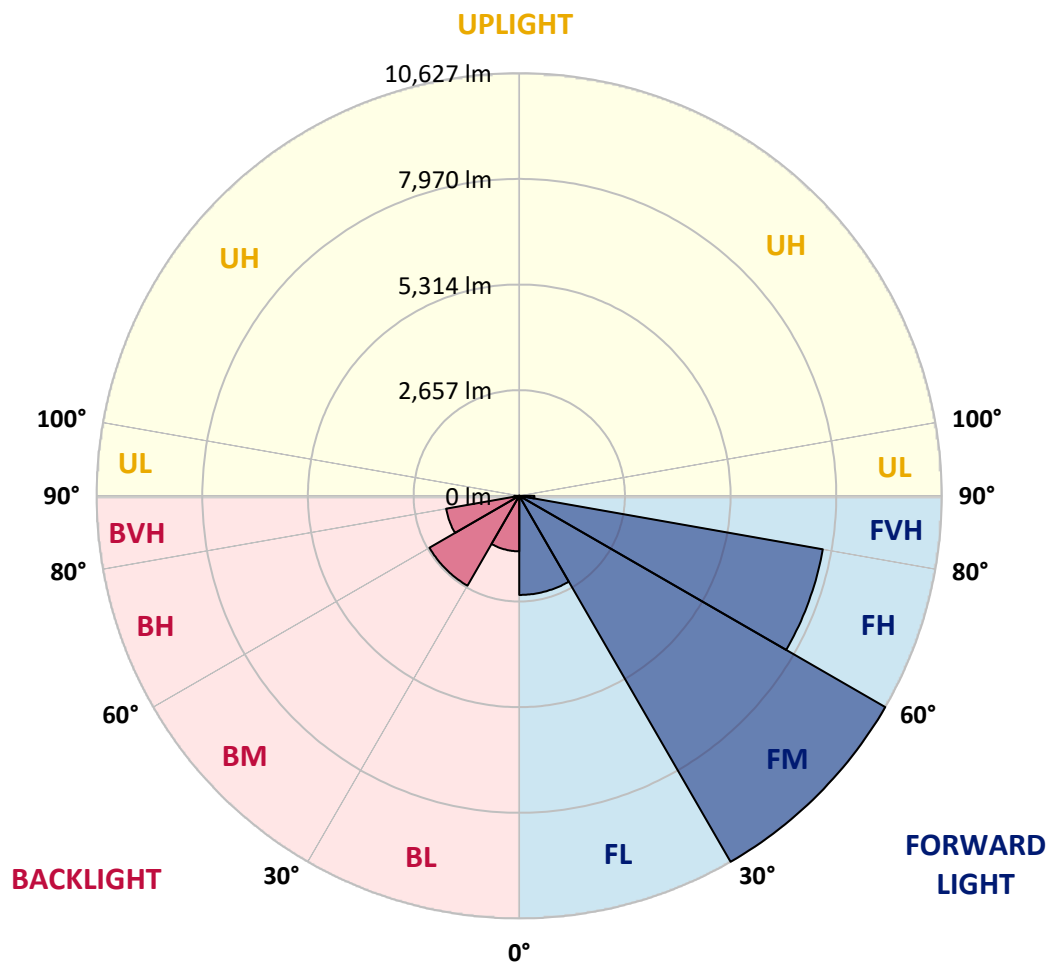
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2492.5	9.1			
FM	(30°-60°)	10627.3	39.0			
FH	(60°-80°)	7751.1	28.4			G4/12000
FVH	(80°-90°)	381.0	1.4			G3/500
BL	(0°-30°)	1396.7	5.1	B3/2500		
BM	(30°-60°)	2607.7	9.6	B3/5000		
BH	(60°-80°)	1867.0	6.9	B3/2500		G3/2500
BVH	(80°-90°)	124.8	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-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8
2.5°	5472.7	5446.7	5462.6	5456.8	5464.0	5472.7	5475.5	5479.9	5494.3	5492.8
5°	5461.1	5435.2	5456.8	5449.6	5468.3	5488.5	5505.8	5521.7	5544.7	5554.8
7.5°	5436.6	5419.3	5441.0	5462.6	5497.2	5527.4	5551.9	5588.0	5621.1	5626.9
10°	5293.9	5281.0	5331.4	5387.6	5482.7	5564.9	5618.2	5660.0	5696.1	5701.8
12.5°	5145.5	5129.6	5185.8	5262.2	5416.4	5564.9	5677.3	5732.1	5763.8	5782.5
15°	5121.0	5108.0	5139.7	5206.0	5334.3	5526.0	5717.7	5818.6	5846.0	5867.6
17.5°	5239.2	5214.7	5227.6	5250.7	5325.6	5490.0	5749.4	5916.6	5958.4	5981.4
20°	5513.0	5478.4	5458.2	5412.1	5399.2	5495.7	5746.5	6034.8	6089.5	6118.4
22.5°	5877.7	5854.6	5811.4	5694.6	5567.8	5566.3	5801.3	6186.1	6288.4	6315.8
25°	6318.7	6284.1	6229.3	6070.8	5827.2	5706.2	5893.5	6379.2	6550.8	6558.0
27.5°	6826.1	6774.2	6699.2	6490.2	6161.6	5925.2	6034.8	6601.2	6852.0	6849.1
30°	7360.8	7308.9	7229.6	6975.9	6562.3	6220.7	6230.8	6840.5	7209.4	7193.6
32.5°	7751.4	7712.5	7696.6	7500.6	7023.5	6569.5	6455.6	7105.7	7650.5	7636.1
35°	8051.2	8000.7	8019.5	7920.0	7526.5	6960.1	6730.9	7421.3	8186.6	8185.2
37.5°	8348.1	8303.4	8319.2	8252.9	7992.1	7455.9	7066.8	7807.6	8851.1	8882.8
40°	8619.0	8571.5	8634.9	8572.9	8353.8	7983.4	7448.7	8244.3	9620.8	9681.3
42.5°	8781.9	8744.4	8849.7	8851.1	8668.0	8428.8	7868.1	8725.7	10511.5	10647.0
45°	8838.1	8825.1	8983.7	9016.8	8946.2	8686.8	8245.7	9250.3	11471.4	11713.5
47.5°	8777.6	8753.1	8972.2	9094.7	9150.9	8807.9	8558.5	9818.2	12451.5	12806.1
50°	8472.0	8424.5	8750.2	9008.2	9208.5	8887.1	8874.2	10474.0	13565.6	13953.3
52.5°	7922.9	7886.9	8257.3	8705.5	9081.7	8926.0	9228.7	11190.3	14623.5	15125.1
55°	7221.0	7173.4	7581.3	8166.5	8766.1	8913.1	9583.3	11991.7	15871.7	16380.5
57.5°	6108.3	6013.2	6529.1	7221.0	8251.5	8897.2	9952.3	12788.8	17140.1	17749.8
60°	4485.4	4344.1	4976.8	5797.0	7245.5	8743.0	10409.2	13682.4	18662.1	19211.2
62.5°	2611.7	2529.5	2943.2	3708.5	5461.1	7835.0	10665.7	14721.6	20158.2	20734.7
65°	2027.9	2004.9	2040.9	2100.0	3039.7	5866.1	9874.4	15734.8	22060.7	22464.3
67.5°	1855.0	1837.7	1853.5	1742.5	1542.2	3267.5	7811.9	15991.4	24098.7	24343.8
70°	1648.9	1628.7	1680.6	1585.4	1213.6	1486.0	5047.5	15060.3	25720.2	26180.0
72.5°	1343.3	1320.2	1441.3	1398.1	1021.9	954.1	2535.3	12847.9	25550.1	26504.3
75°	1032.0	1019.0	1163.1	1199.2	833.1	750.9	1216.5	9550.1	22484.5	23445.8
77.5°	801.4	791.3	864.8	995.9	671.7	582.3	748.0	6057.8	16944.1	17112.7
80°	601.0	572.2	639.9	771.1	523.2	425.2	507.3	3532.7	10710.4	9708.7
82.5°	376.2	361.8	418.0	514.5	369.0	292.6	330.1	1951.5	4292.2	2528.1
85°	214.8	209.0	227.7	294.0	200.3	168.6	188.8	861.9	784.1	539.1
87.5°	86.5	83.6	103.8	131.2	73.5	62.0	66.3	207.5	173.0	160.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5469.8	0°	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8	5469.8
5491.4	2.5°	5485.6	5485.6	5465.5	5433.7	5397.7	5374.7	5337.2	5327.1	5288.2	5276.6
5540.4	5°	5551.9	5540.4	5478.4	5389.1	5266.6	5154.1	5030.2	4952.3	4842.8	4803.9
5637.0	7.5°	5635.5	5603.8	5497.2	5301.1	5044.6	4792.4	4530.0	4331.1	4140.9	4073.1
5716.2	10°	5711.9	5667.2	5485.6	5142.6	4698.7	4262.0	3844.0	3551.4	3329.4	3238.6
5804.2	12.5°	5788.3	5706.2	5409.2	4878.8	4207.2	3614.8	3169.4	2941.7	2804.8	2695.3
5876.2	15°	5860.4	5745.1	5291.1	4525.7	3668.1	3067.1	2738.5	2556.9	2447.3	2375.3
5981.4	17.5°	5944.0	5778.2	5113.8	4077.5	3155.0	2688.0	2420.0	2310.4	2288.8	2280.2
6125.6	20°	6060.7	5808.5	4880.3	3575.9	2777.4	2385.4	2247.0	2236.9	2235.5	2231.2
6298.5	22.5°	6186.1	5844.5	4571.8	3120.4	2456.0	2196.6	2172.1	2151.9	2138.9	2137.5
6507.5	25°	6334.6	5856.0	4185.6	2747.1	2182.1	2107.2	2078.4	2048.1	2039.5	2039.5
6745.3	27.5°	6478.7	5817.1	3735.9	2422.8	2027.9	2025.0	1987.6	1977.5	1976.0	1980.4
7016.3	30°	6622.8	5743.6	3289.1	2123.1	1938.6	1938.6	1925.6	1932.8	1938.6	1953.0
7388.2	32.5°	6817.4	5665.8	2915.8	1901.1	1860.7	1846.3	1859.3	1873.7	1879.5	1898.2
7876.8	35°	7102.8	5611.0	2618.9	1780.0	1780.0	1761.3	1768.5	1765.6	1752.6	1744.0
8467.7	37.5°	7480.4	5608.1	2373.8	1723.8	1712.3	1709.4	1710.8	1692.1	1641.7	1581.1
9182.6	40°	7934.4	5686.0	2185.0	1684.9	1676.2	1693.5	1684.9	1634.4	1496.1	1390.9
10061.8	42.5°	8544.1	5907.9	2064.0	1637.3	1663.3	1684.9	1650.3	1475.9	1382.2	1311.6
11063.5	45°	9261.9	6268.3	2002.0	1586.9	1638.8	1664.7	1497.5	1421.1	1346.2	1261.1
12156.0	47.5°	10074.8	6722.3	1987.6	1539.3	1584.0	1599.9	1432.7	1398.1	1313.0	1220.8
13254.3	50°	10959.7	7259.9	2026.5	1483.1	1504.7	1450.0	1411.0	1379.3	1291.4	1200.6
14380.0	52.5°	11875.0	7852.3	2104.3	1406.7	1425.5	1364.9	1402.4	1375.0	1278.4	1155.9
15543.1	55°	12774.3	8449.0	2179.3	1317.4	1344.7	1288.5	1377.9	1357.7	1219.3	1081.0
16784.1	57.5°	13688.1	9042.8	2252.8	1238.1	1266.9	1215.0	1339.0	1311.6	1153.0	1011.8
18138.9	60°	14638.0	9619.3	2287.4	1161.7	1181.9	1147.3	1279.9	1232.3	1078.1	941.2
19470.7	62.5°	15527.2	10099.3	2231.2	1085.3	1098.3	1083.9	1202.1	1138.6	1003.2	861.9
20858.7	65°	16419.4	10384.6	2058.2	1010.4	1013.2	1006.0	1092.5	1037.7	915.2	792.7
22073.7	67.5°	17228.0	10544.6	1782.9	929.6	922.4	919.6	990.2	928.2	830.2	723.5
22997.6	70°	17399.5	10138.2	1362.0	834.5	834.5	827.3	877.8	814.3	736.5	650.0
22336.0	72.5°	15891.9	8528.2	967.1	726.4	738.0	723.5	765.3	712.0	641.4	583.7
19250.2	75°	12814.7	6253.9	703.4	615.4	635.6	611.1	650.0	612.6	552.0	550.6
13265.8	77.5°	8805.0	3867.0	510.2	507.3	521.8	490.0	534.7	514.5	459.8	435.3
5773.9	80°	3757.5	1542.2	371.9	392.0	392.0	363.2	415.1	420.9	373.3	361.8
1114.1	82.5°	748.0	438.2	260.9	269.5	253.7	245.0	294.0	325.7	449.7	500.1
335.8	85°	224.8	161.4	157.1	147.0	129.7	131.2	173.0	327.2	403.6	230.6
111.0	87.5°	62.0	40.4	41.8	33.2	27.4	36.0	59.1	247.9	135.5	57.7
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°
5469.8
5295.4
4832.7
4081.8
3258.8
2731.3
2388.3
2285.9
2245.6
2153.3
2048.1
1991.9
1963.1
1914.1
1764.2
1582.6
1388.0
1308.7
1255.4
1213.6
1190.5
1147.3
1073.8
1008.9
936.9
860.5
784.1
714.9
647.1
566.4
495.8
407.9
361.8
501.6
198.9
49.0
0.0