

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: P954010

Luminaire Tested: **GLAN-SB7B-927-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954010
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-SB7B-927-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

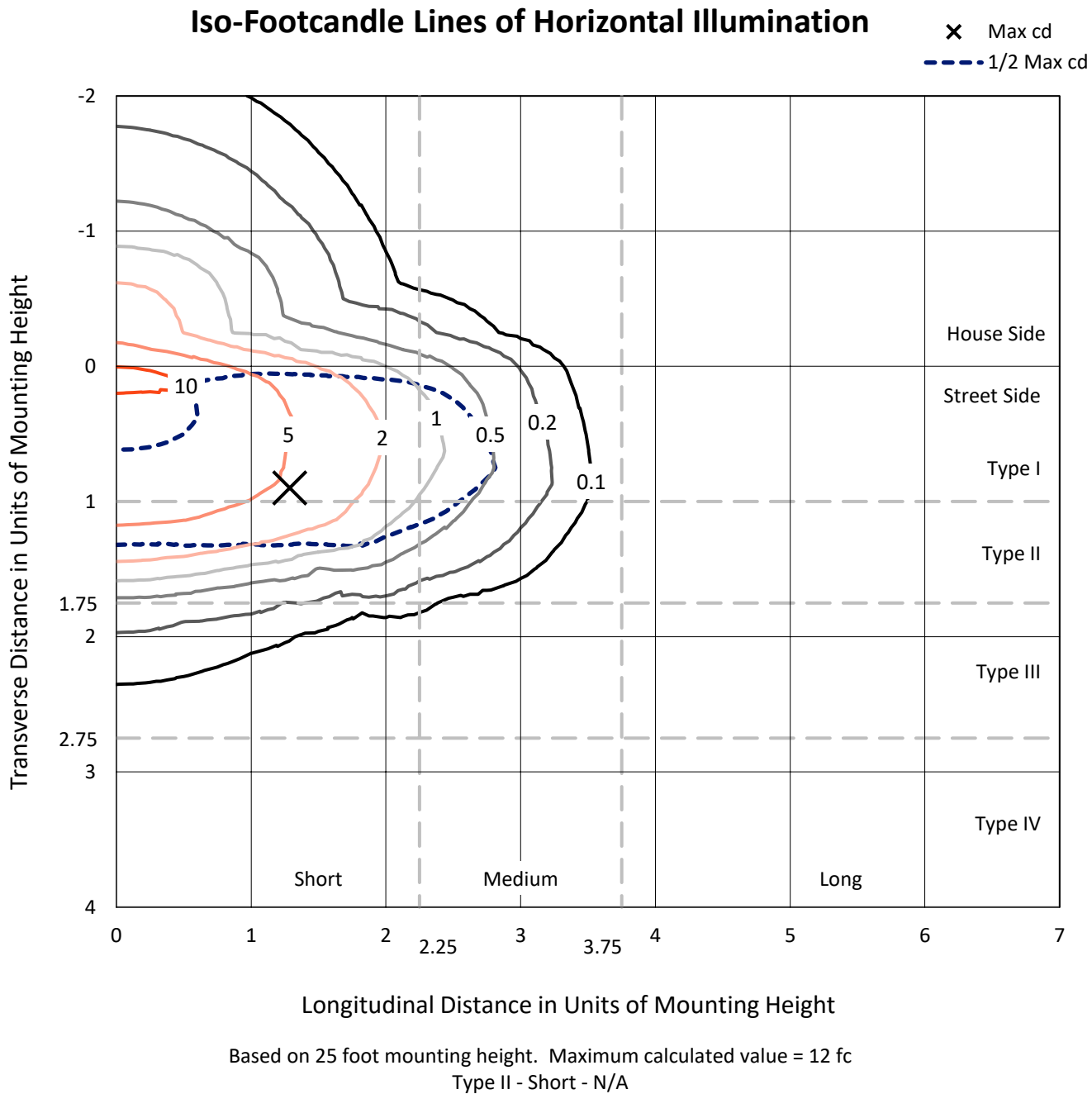
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24791 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

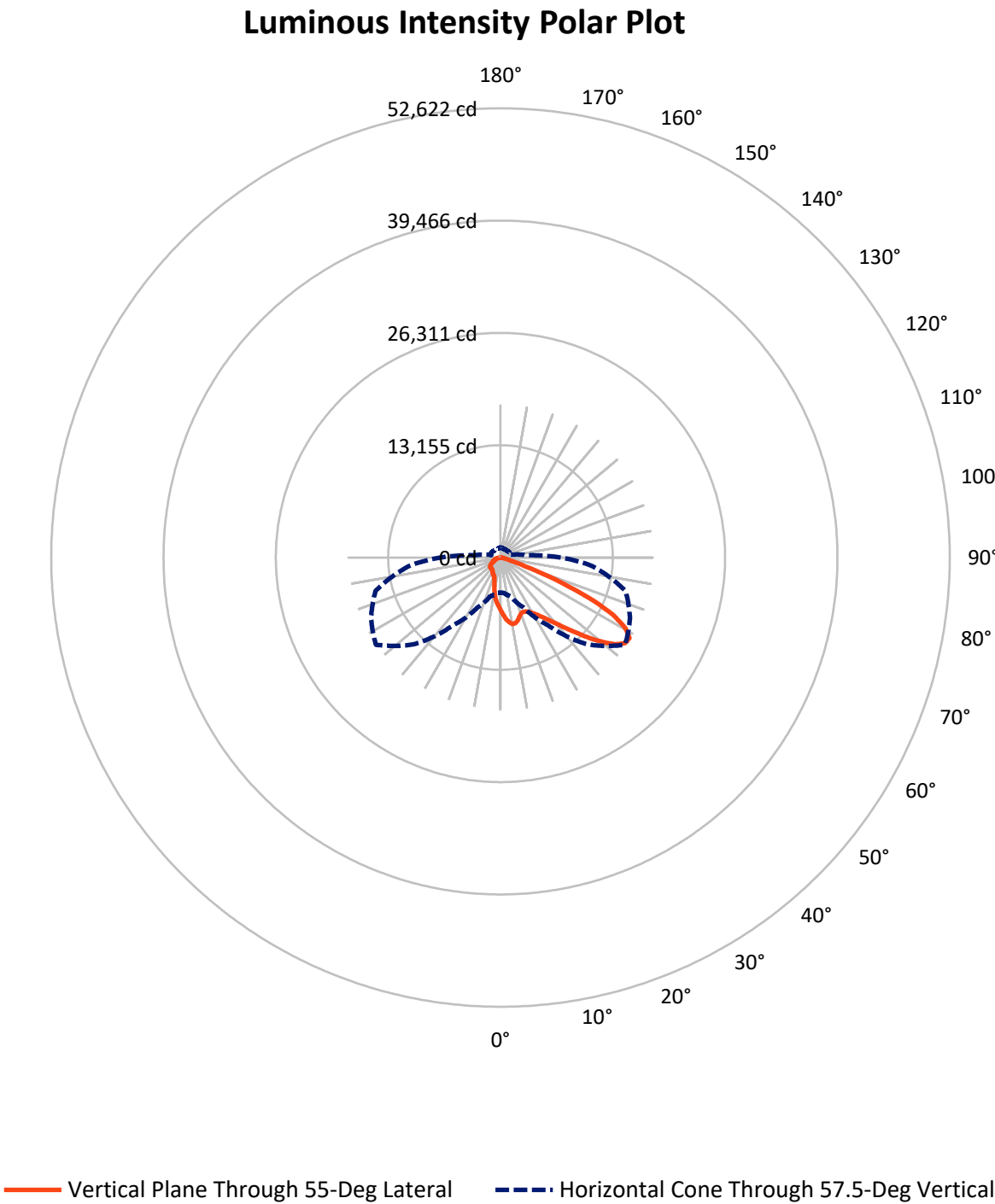
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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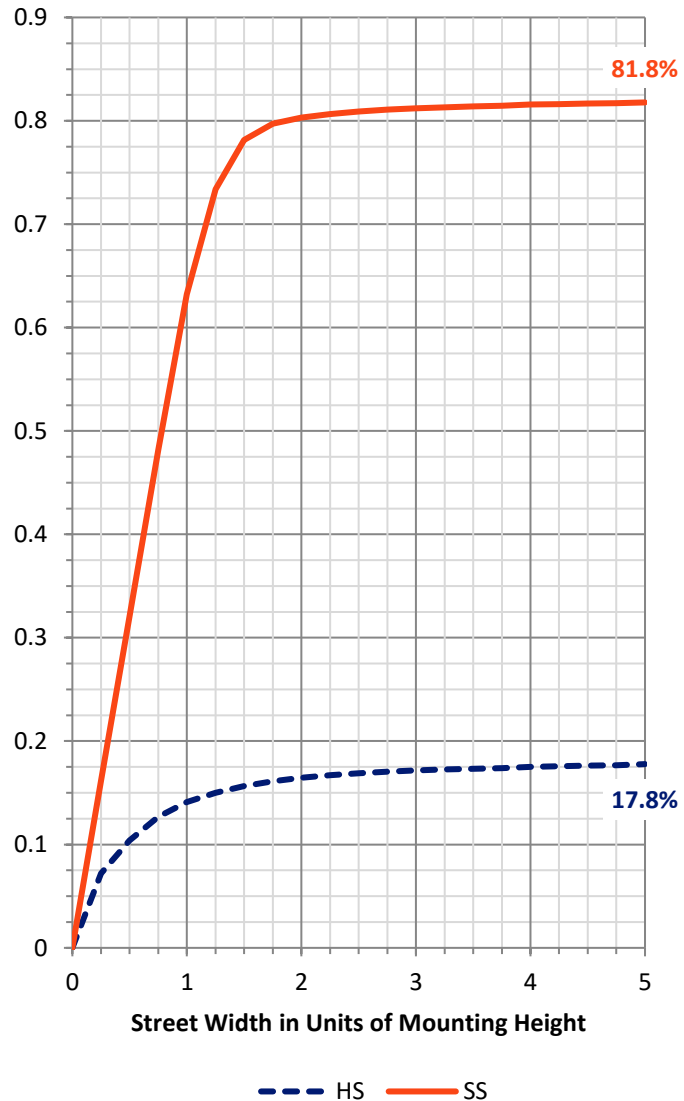
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4485.8	0.0	4485.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	20305.2	0.0	20305.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	24791.0	0.0	24791.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.4	2.3
10°-20°	1454.9	5.9
20°-30°	2321.6	9.4
30°-40°	3675.7	14.8
40°-50°	5626.0	22.7
50°-60°	6026.0	24.3
60°-70°	3791.0	15.3
70°-80°	1121.1	4.5
80°-90°	198.2	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°	24791.0	100.0
0°-180°	24791.0	100.0

Coefficient of Utilization



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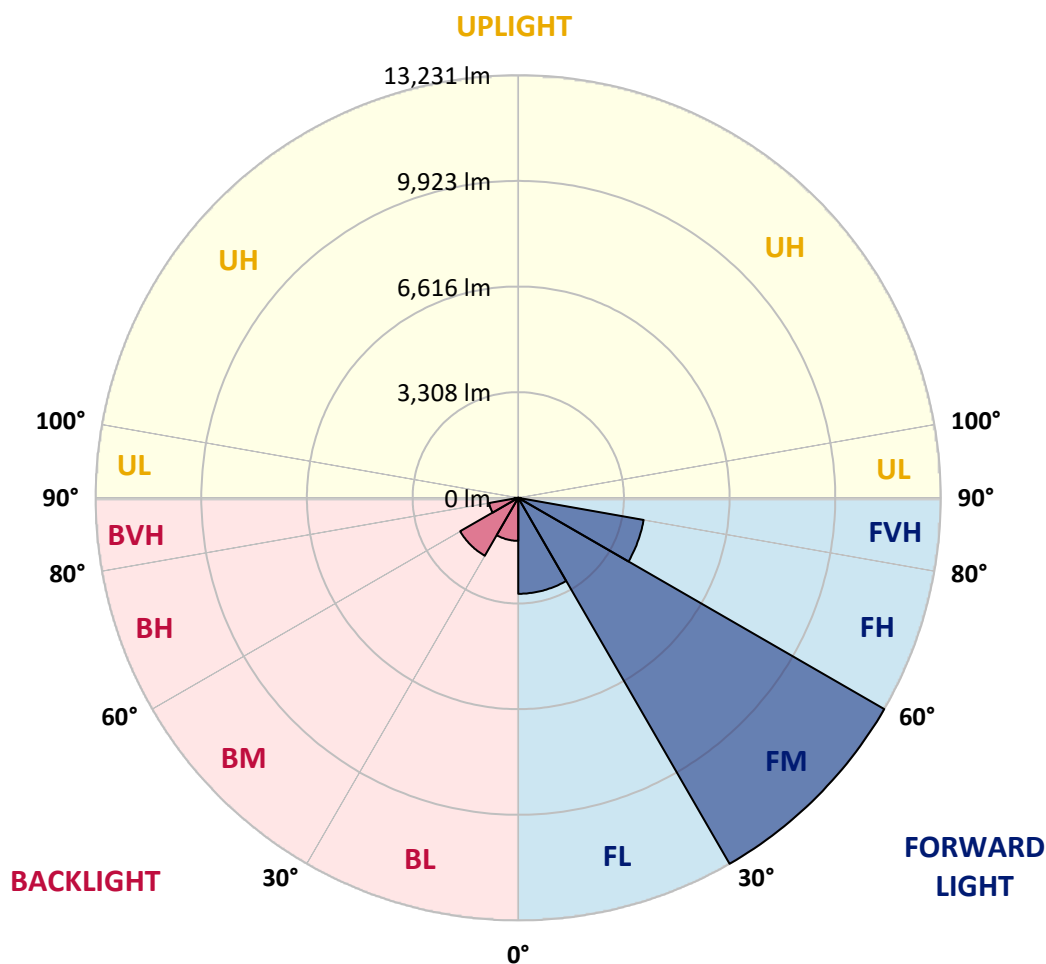
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3004.7	12.1			
FM	(30°-60°)	13231.1	53.4			
FH	(60°-80°)	3985.6	16.1			G2/5000
FVH	(80°-90°)	83.7	0.3			G1/100
BL	(0°-30°)	1348.3	5.4	B3/2500		
BM	(30°-60°)	2096.6	8.5	B2/2500		
BH	(60°-80°)	926.4	3.7	B2/1000		G2/1000
BVH	(80°-90°)	114.5	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6211.8	6211.8	6211.8	6211.8	6211.8	6211.8	6211.8	6211.8	6211.8	6211.8
2.5°	7126.9	7121.7	7149.9	7053.8	6988.5	6900.0	6783.4	6634.7	6474.5	6305.4
5°	7768.9	7724.1	7753.6	7681.8	7610.0	7476.7	7303.7	7061.5	6765.5	6428.4
7.5°	7667.7	7636.9	7712.6	7776.6	7830.5	7813.8	7686.9	7433.2	7051.3	6561.7
10°	6851.3	6816.7	6923.1	7144.8	7470.3	7753.6	7907.4	7749.7	7343.5	6707.8
12.5°	6131.1	6114.4	6184.9	6364.3	6725.7	7269.1	7879.2	8026.5	7647.2	6880.8
15°	5823.5	5803.0	5847.9	5938.8	6169.5	6675.8	7622.8	8216.2	7945.8	7080.7
17.5°	5755.6	5732.5	5751.7	5799.2	5947.8	6333.6	7235.8	8309.8	8257.2	7303.7
20°	5881.2	5861.9	5864.5	5861.9	5965.8	6272.1	6966.7	8273.9	8528.9	7508.8
22.5°	6184.9	6152.9	6154.1	6086.2	6142.6	6379.7	6896.2	8177.8	8771.1	7688.2
25°	6679.6	6621.9	6633.5	6460.4	6445.1	6620.6	7006.4	8103.4	9012.1	7831.7
27.5°	7356.3	7290.9	7256.3	6998.7	6875.7	6962.8	7230.7	8129.1	9240.2	7956.1
30°	8202.1	8122.7	8052.2	7686.9	7463.9	7431.9	7579.3	8298.2	9509.3	8086.8
32.5°	9238.9	9146.6	9018.5	8534.0	8220.1	8052.2	8030.4	8599.4	9824.6	8253.4
35°	10473.1	10352.6	10170.6	9543.9	9146.6	8803.2	8625.0	9033.9	10256.5	8504.6
37.5°	11744.4	11608.6	11441.9	10696.1	10207.8	9701.6	9350.4	9623.4	10831.9	8845.5
40°	12917.0	12764.5	12609.5	11945.6	11421.4	10811.4	10238.5	10369.3	11535.5	9253.0
42.5°	13609.1	13496.3	13437.4	13078.5	12673.5	12054.5	11343.3	11253.6	12326.2	9722.1
45°	13578.3	13532.2	13714.2	13862.9	13766.7	13423.3	12637.7	12231.4	13119.5	10128.3
47.5°	12853.0	12883.7	13290.0	14125.6	14493.4	14672.8	14111.5	13191.3	13809.0	10432.1
50°	10879.3	10905.0	11845.6	13647.5	14680.5	15691.7	15573.8	14128.1	14343.4	10617.9
52.5°	9317.1	9333.7	9737.4	12230.1	14062.8	16204.3	16891.2	15011.2	14734.3	10669.2
55°	7017.9	7075.6	7528.0	9595.2	12455.7	15798.0	17693.5	15921.1	14981.7	10674.3
57.5°	4099.8	4162.6	4721.3	6513.0	9681.1	14381.9	17815.2	16728.5	15149.6	10633.3
60°	2008.2	2035.1	2278.6	3423.1	5969.6	11653.4	16836.1	17119.4	15243.1	10611.5
62.5°	1353.3	1349.5	1359.8	1689.1	2941.2	7487.0	14795.8	16435.0	15193.1	10528.2
65°	1163.7	1149.6	1111.1	1185.5	1523.8	3424.4	11431.7	14392.1	14812.5	10319.3
67.5°	1006.0	1007.3	1008.6	985.5	1088.1	1580.2	6985.9	11336.9	13446.3	9329.9
70°	833.0	844.6	849.7	849.7	886.9	1036.8	2982.2	7770.2	10606.4	7315.3
72.5°	758.7	734.3	736.9	724.1	724.1	789.5	1200.8	4404.8	6682.2	4115.2
75°	619.0	634.4	636.9	628.0	598.5	602.3	712.6	1848.0	2859.2	1707.1
77.5°	534.4	534.4	539.5	533.1	510.1	451.1	475.5	716.4	972.7	699.7
80°	429.3	428.0	449.8	462.7	426.8	333.2	303.7	396.0	431.9	307.6
82.5°	208.9	221.7	308.9	352.4	324.2	240.9	185.8	246.1	230.7	135.8
85°	121.8	115.3	138.4	196.1	185.8	133.3	89.7	128.2	120.5	69.2
87.5°	38.4	35.9	28.2	66.6	53.8	37.2	24.4	37.2	33.3	15.4
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°
6211.8	0°	6211.8	6211.8	6211.8	6211.8	6211.8	6211.8	6211.8	6211.8	6211.8	6211.8
6232.3	2.5°	6141.3	5990.1	5840.2	5703.0	5619.7	5565.9	5512.1	5451.8	5428.8	5394.2
6249.0	5°	6079.8	5787.6	5527.5	5303.2	5099.4	4939.2	4777.7	4647.0	4588.1	4627.8
6301.5	7.5°	6043.9	5621.0	5219.9	4808.5	4412.5	4095.9	3820.4	3626.9	3539.7	3561.5
6352.8	10°	6011.9	5432.6	4821.3	4171.5	3602.5	3210.4	2928.4	2781.0	2725.9	2737.5
6422.0	12.5°	5982.4	5221.2	4340.7	3485.9	2881.0	2622.1	2541.4	2542.7	2552.9	2560.6
6532.2	15°	5977.3	4966.1	3803.7	2886.1	2491.4	2474.7	2561.9	2617.0	2646.5	2655.4
6624.5	17.5°	5969.6	4661.1	3256.5	2477.3	2396.6	2509.3	2590.1	2626.0	2649.0	2650.3
6714.2	20°	5938.8	4274.1	2751.6	2282.5	2376.0	2473.5	2523.4	2551.6	2570.9	2577.3
6782.1	22.5°	5844.0	3843.5	2358.1	2195.3	2294.0	2372.2	2431.2	2463.2	2474.7	2482.4
6794.9	25°	5673.6	3361.6	2086.4	2112.0	2180.0	2278.6	2326.1	2332.5	2328.6	2340.2
6762.9	27.5°	5450.6	2845.1	1917.2	1999.3	2086.4	2171.0	2196.6	2192.8	2185.1	2197.9
6707.8	30°	5181.4	2381.2	1809.6	1872.4	1991.6	2068.5	2091.5	2082.6	2067.2	2081.3
6679.6	32.5°	4896.9	2001.8	1721.2	1784.0	1913.4	1989.0	2012.1	2003.1	1991.6	2003.1
6711.6	35°	4631.6	1736.5	1639.1	1725.0	1851.9	1926.2	1955.7	1957.0	1957.0	1971.1
6796.2	37.5°	4388.1	1581.5	1571.2	1687.8	1809.6	1876.2	1918.5	1921.1	1866.0	1869.8
6939.8	40°	4162.6	1516.1	1540.5	1663.5	1768.6	1832.7	1835.2	1691.7	1590.4	1587.9
7103.8	42.5°	3978.0	1503.3	1549.4	1660.9	1739.1	1741.7	1561.0	1449.5	1421.3	1422.6
7255.0	45°	3805.0	1499.4	1569.9	1660.9	1695.5	1504.6	1382.8	1353.3	1355.9	1366.2
7323.0	47.5°	3611.5	1484.1	1573.8	1637.9	1569.9	1338.0	1302.1	1289.3	1284.1	1286.7
7307.6	50°	3400.0	1429.0	1525.1	1591.7	1354.6	1266.2	1221.3	1217.5	1223.9	1227.8
7221.7	52.5°	3177.0	1339.3	1441.8	1508.4	1255.9	1203.4	1153.4	1162.4	1190.6	1199.6
7132.0	55°	3030.9	1234.2	1331.6	1341.8	1186.7	1144.5	1102.2	1122.7	1175.2	1191.9
7078.2	57.5°	2992.5	1122.7	1206.0	1194.4	1098.3	1093.2	1067.6	1085.5	1152.1	1176.5
7075.6	60°	2981.0	1022.7	1082.9	1074.0	1012.4	1036.8	1030.4	1039.4	1062.4	1070.1
7050.0	62.5°	2891.2	943.2	972.7	959.9	935.6	977.8	993.2	974.0	991.9	1000.9
6874.4	65°	2663.1	879.2	865.1	856.1	866.3	904.8	935.6	897.1	913.8	939.4
6197.7	67.5°	2286.3	792.0	753.6	763.8	795.9	816.4	856.1	812.5	826.6	870.2
4991.8	70°	1849.3	681.8	647.2	676.7	707.4	749.7	756.1	726.7	760.0	808.7
3046.3	72.5°	1308.5	570.3	546.0	606.2	616.4	671.5	657.5	643.4	689.5	706.2
1505.9	75°	907.4	460.1	446.0	492.1	529.3	576.7	566.5	583.1	680.5	688.2
752.3	77.5°	574.1	357.6	348.6	378.1	429.3	481.9	498.5	688.2	1162.4	1208.5
390.9	80°	333.2	266.6	256.3	279.4	324.2	372.9	480.6	844.6	766.4	757.4
175.6	82.5°	185.8	183.3	170.5	176.9	216.6	269.1	679.2	594.7	483.2	498.5
70.5	85°	87.1	107.7	92.3	88.4	121.8	315.3	453.7	339.6	225.6	220.4
15.4	87.5°	23.1	20.5	20.5	23.1	51.3	271.7	180.7	144.8	85.9	83.3
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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