

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: P947936

Luminaire Tested: **GLAN-SB3A-850-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-850-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9917 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 84.7
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



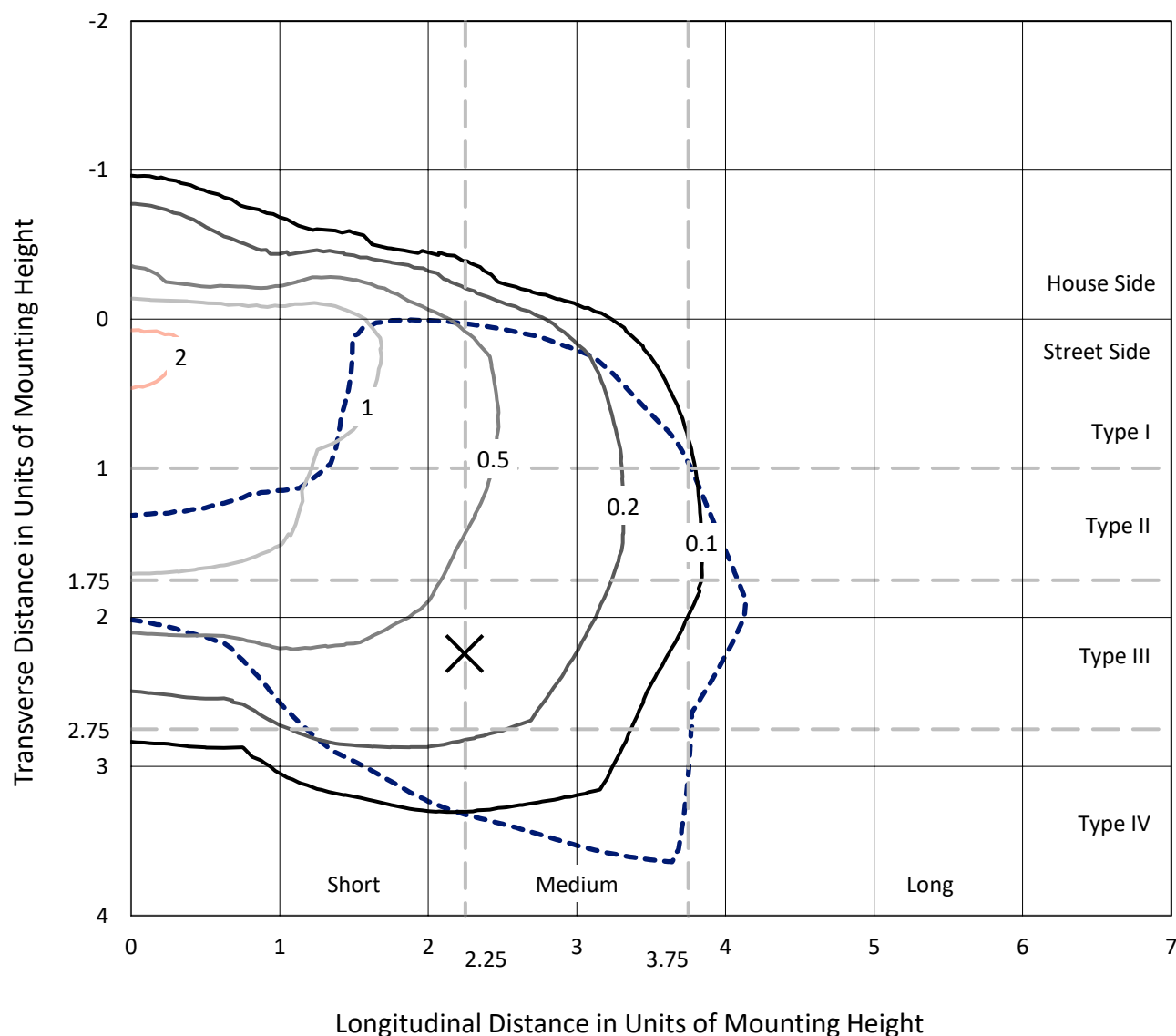
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

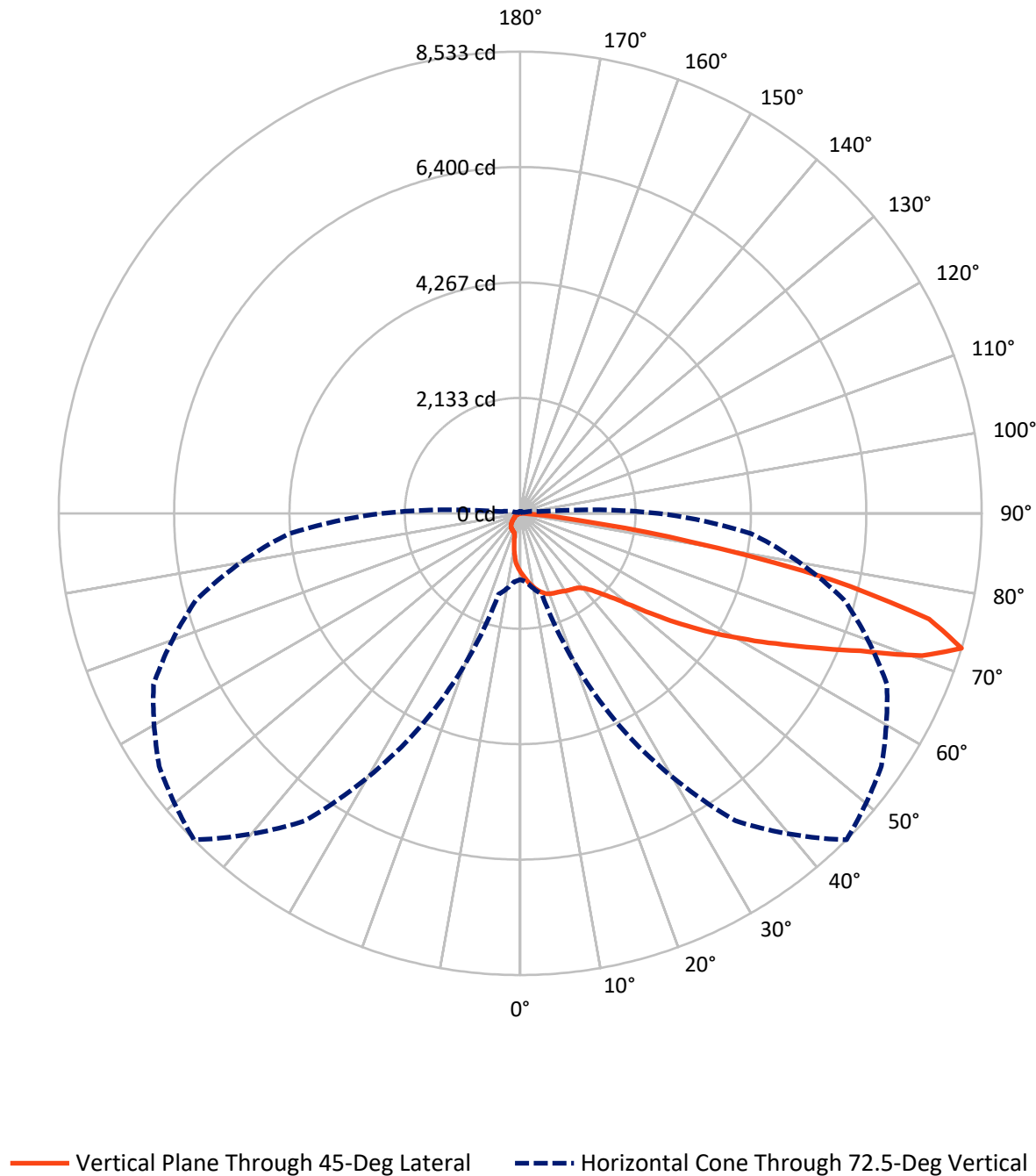


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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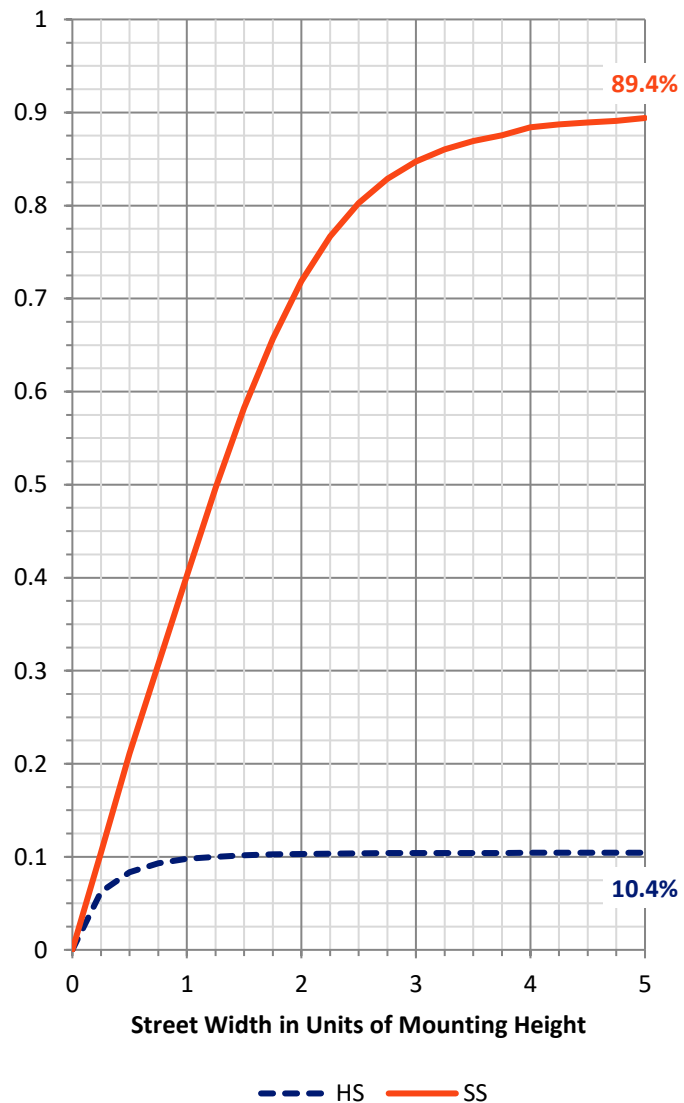
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1042.0	0.0	1042.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	8875.0	0.0	8875.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	9917.0	0.0	9917.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	1.0
10°-20°	299.2	3.0
20°-30°	491.3	5.0
30°-40°	696.7	7.0
40°-50°	1151.6	11.6
50°-60°	2068.8	20.9
60°-70°	2872.6	29.0
70°-80°	2083.7	21.0
80°-90°	150.6	1.5
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°	9917.0	100.0
0°-180°	9917.0	100.0

Coefficient of Utilization



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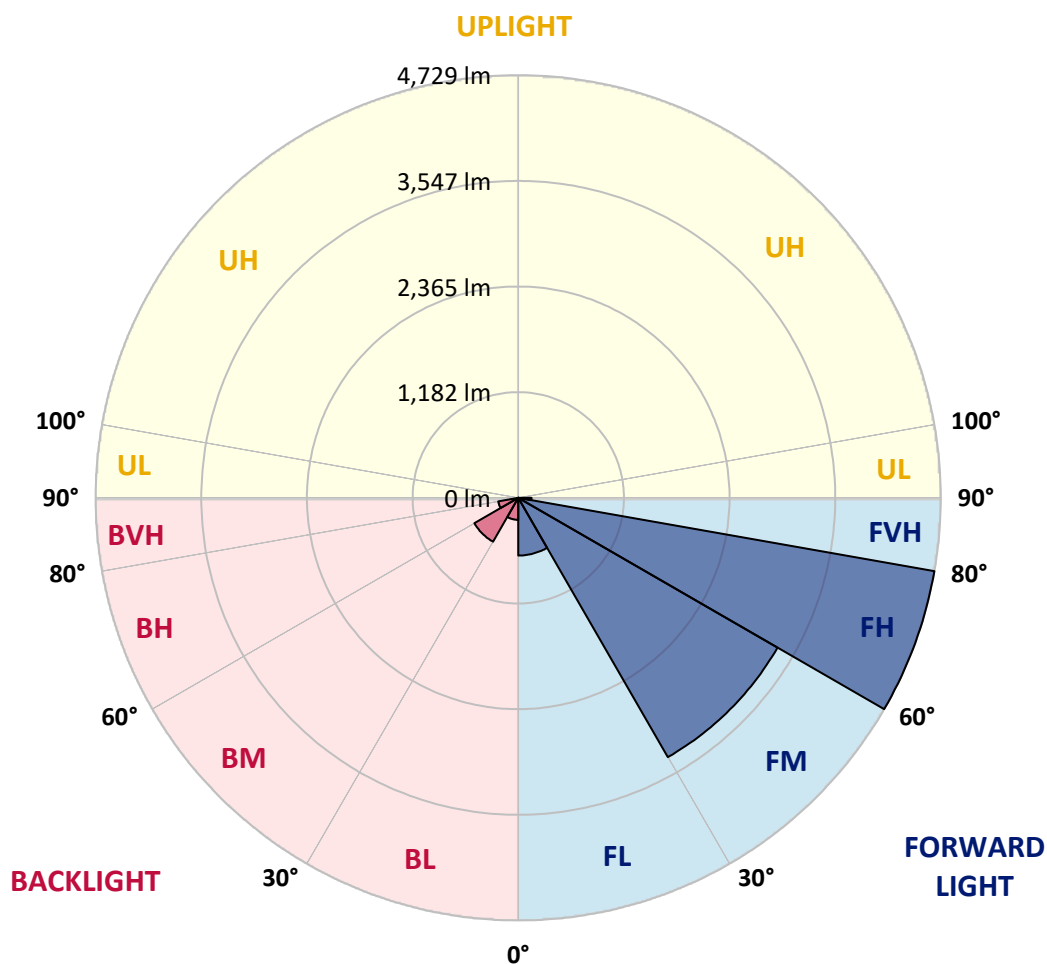
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	646.0	6.5			
FM	(30°-60°)	3350.5	33.8			
FH	(60°-80°)	4729.1	47.7			G2/5000
FVH	(80°-90°)	149.4	1.5			G2/225
BL	(0°-30°)	246.8	2.5	B1/500		
BM	(30°-60°)	566.7	5.7	B1/1000		
BH	(60°-80°)	227.2	2.3	B1/500		G1/500
BVH	(80°-90°)	1.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4
2.5°	1186.6	1188.6	1187.3	1179.2	1165.6	1158.2	1154.1	1140.6	1131.8	1116.2
5°	1295.6	1303.7	1299.0	1282.7	1257.0	1238.7	1233.3	1205.6	1180.5	1151.4
7.5°	1411.3	1415.4	1406.6	1385.6	1351.1	1320.0	1315.2	1276.6	1236.7	1192.0
10°	1511.5	1516.3	1502.7	1472.3	1433.0	1394.4	1387.7	1345.0	1297.6	1242.8
12.5°	1595.5	1600.2	1582.6	1546.0	1502.7	1462.8	1456.0	1411.3	1359.2	1298.3
15°	1659.1	1667.9	1644.2	1604.9	1558.2	1518.3	1514.9	1470.9	1420.1	1352.5
17.5°	1696.3	1705.1	1682.8	1635.4	1595.5	1561.6	1557.6	1521.0	1473.6	1408.6
20°	1702.4	1710.5	1686.8	1645.5	1612.4	1585.3	1583.3	1556.9	1522.4	1460.1
22.5°	1684.1	1694.3	1672.6	1639.5	1616.4	1602.2	1599.5	1584.6	1565.0	1512.2
25°	1665.2	1673.3	1657.1	1628.0	1615.8	1614.4	1616.4	1613.7	1609.7	1565.0
27.5°	1663.8	1672.6	1654.3	1626.6	1619.8	1634.0	1636.1	1648.9	1652.3	1613.1
30°	1675.3	1681.4	1663.8	1634.7	1631.3	1663.8	1664.5	1687.5	1692.9	1653.7
32.5°	1700.4	1707.1	1689.5	1646.9	1642.2	1687.5	1689.5	1720.0	1728.8	1697.0
35°	1759.3	1767.4	1747.1	1680.7	1663.8	1709.9	1715.9	1751.8	1769.4	1743.0
37.5°	1906.2	1882.5	1854.7	1749.1	1713.2	1745.1	1755.2	1797.2	1828.3	1797.9
40°	2271.0	2196.5	2109.9	1865.5	1799.9	1820.2	1828.3	1870.3	1912.9	1883.1
42.5°	2818.6	2730.6	2591.2	2133.6	1930.5	1940.7	1946.8	1983.3	2043.6	2019.9
45°	3306.7	3274.9	3132.7	2591.2	2174.9	2124.8	2132.2	2151.2	2239.9	2231.1
47.5°	3681.7	3663.4	3553.7	3116.5	2587.8	2350.2	2371.2	2380.0	2507.9	2539.1
50°	3970.0	3963.3	3865.1	3583.5	3127.3	2682.6	2690.0	2671.1	2862.6	2939.8
52.5°	4242.1	4265.2	4192.7	4017.4	3703.3	3117.8	3116.5	3027.1	3285.7	3402.1
55°	4487.9	4496.0	4503.4	4460.1	4282.8	3613.3	3600.4	3454.2	3776.4	3896.9
57.5°	4718.7	4722.1	4788.4	4877.1	4885.9	4145.4	4121.7	3946.3	4312.5	4398.5
60°	4873.7	4889.3	5029.4	5275.8	5383.4	4694.3	4681.5	4502.8	4858.1	4898.1
62.5°	4650.3	4745.1	5098.4	5587.2	5853.2	5302.9	5296.8	5128.9	5432.1	5399.7
65°	3764.3	3924.7	4546.1	5797.7	6314.1	5982.5	5991.3	5812.6	6021.7	5916.1
67.5°	2633.2	2802.4	3537.5	5814.6	6829.3	6780.5	6831.3	6551.1	6647.9	6410.9
70°	1820.9	1908.2	2386.8	5450.4	7230.7	7879.8	7878.5	7458.1	7270.6	6636.4
72.5°	1224.5	1269.9	1550.1	4324.1	6935.5	8533.0	8493.8	8151.3	7480.4	6206.5
75°	516.5	549.6	717.5	2430.1	5487.0	7806.7	7700.4	7203.6	6646.5	4887.2
77.5°	163.8	178.0	282.9	869.8	3022.4	5868.1	5755.7	4498.7	4454.7	2451.7
80°	77.8	90.7	159.1	349.3	1189.3	3191.6	3176.0	2040.9	1916.3	662.0
82.5°	33.8	39.9	88.0	186.8	532.0	1138.5	1161.6	694.5	574.7	251.1
85°	10.8	14.2	40.6	86.0	224.7	282.9	279.6	165.2	231.5	136.7
87.5°	0.0	0.0	13.5	19.6	23.0	16.2	18.3	14.2	64.3	37.9
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°
1086.4	0°	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4	1086.4
1100.0	2.5°	1091.8	1081.0	1062.1	1044.5	1028.9	1013.3	1003.8	990.3	989.0	989.0
1117.6	5°	1099.3	1081.7	1047.8	1012.0	970.7	931.4	892.2	854.3	842.1	833.3
1146.0	7.5°	1121.0	1093.2	1039.7	971.4	892.8	806.9	746.6	681.6	656.6	643.1
1183.9	10°	1152.1	1114.2	1033.0	913.1	785.9	668.8	582.8	512.4	485.3	473.8
1225.2	12.5°	1186.6	1139.9	1020.8	840.7	668.8	528.7	444.7	412.2	408.2	408.2
1274.6	15°	1227.9	1171.0	999.8	755.4	546.3	418.3	388.5	389.9	394.0	396.7
1322.7	17.5°	1270.5	1204.2	966.6	660.0	438.0	376.4	377.0	379.1	382.4	385.2
1374.8	20°	1316.6	1237.4	922.6	558.4	375.7	364.2	366.2	368.2	370.9	372.3
1423.5	22.5°	1366.0	1268.5	870.5	458.9	354.7	354.0	354.7	356.7	360.1	360.1
1480.4	25°	1418.8	1303.0	810.9	386.5	343.9	343.9	345.2	346.6	349.3	349.3
1535.2	27.5°	1472.9	1334.9	748.0	348.6	334.4	333.7	333.7	335.7	337.1	337.8
1589.4	30°	1532.5	1372.1	685.0	340.5	326.9	323.6	321.5	322.9	324.2	324.9
1646.2	32.5°	1593.4	1408.0	628.8	343.9	319.5	313.4	306.6	305.3	305.3	308.0
1705.1	35°	1661.1	1447.2	585.5	355.4	315.4	298.5	287.7	281.6	282.3	286.3
1775.5	37.5°	1742.3	1494.6	553.7	365.5	312.7	281.6	264.0	256.5	251.8	256.5
1872.3	40°	1848.6	1564.3	530.7	373.7	309.3	262.0	238.3	226.1	217.3	220.0
2022.6	42.5°	2005.0	1674.0	521.9	374.3	301.9	238.9	211.9	195.6	182.8	183.4
2248.7	45°	2224.3	1847.3	567.2	365.5	285.7	213.9	184.1	162.5	154.3	152.3
2586.4	47.5°	2524.8	2099.8	672.2	347.3	262.0	189.5	157.0	138.8	132.7	129.3
3029.8	50°	2927.6	2424.0	788.6	326.9	238.3	166.5	134.7	123.2	119.1	115.8
3555.8	52.5°	3394.7	2753.0	884.0	306.6	214.6	146.2	120.5	113.7	110.3	107.6
4063.4	55°	3823.1	2979.7	878.6	285.0	191.6	130.0	110.3	106.3	102.2	99.5
4500.7	57.5°	4089.8	3011.5	724.3	261.3	165.2	117.1	100.9	98.2	93.4	90.0
4879.1	60°	4212.4	2830.1	507.7	230.1	138.8	104.9	90.7	89.4	83.3	78.5
5237.2	62.5°	4234.7	2493.0	338.5	191.6	115.8	93.4	80.6	78.5	70.4	62.3
5528.3	65°	4144.0	2011.1	234.2	149.6	98.8	81.2	69.0	65.0	56.2	48.1
5597.3	67.5°	3857.0	1412.0	163.1	107.6	83.9	64.3	54.8	53.5	46.7	39.9
5245.3	70°	3331.0	804.8	109.0	80.6	66.3	44.0	43.3	44.7	37.9	32.5
4285.5	72.5°	2554.0	368.2	67.7	58.9	45.4	29.8	34.5	35.2	29.1	24.4
2673.8	75°	1503.4	157.7	42.6	37.9	23.0	19.6	25.0	25.7	19.6	15.6
977.4	77.5°	511.7	59.6	27.1	22.3	11.5	10.8	16.2	16.2	10.8	6.1
196.3	80°	116.4	22.3	13.5	8.8	5.4	4.7	5.4	4.7	2.7	0.7
60.2	82.5°	33.2	8.8	5.4	3.4	2.0	2.0	0.7	0.0	0.0	0.0
21.0	85°	9.5	4.1	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
7.4	87.5°	4.1	0.7	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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180°
1086.4
992.3
837.3
645.1
473.8
408.2
396.7
385.2
373.0
361.5
350.0
338.5
326.3
310.0
288.4
255.2
218.6
180.7
149.6
127.3
115.1
107.0
98.2
89.4
77.2
58.2
45.4
37.9
29.8
21.7
13.5
4.7
0.0
0.0
0.0
0.0
0.0