

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: P954786

Luminaire Tested: **GLAN-SB7D-940-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954786
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-SB7D-940-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 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: 44712 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

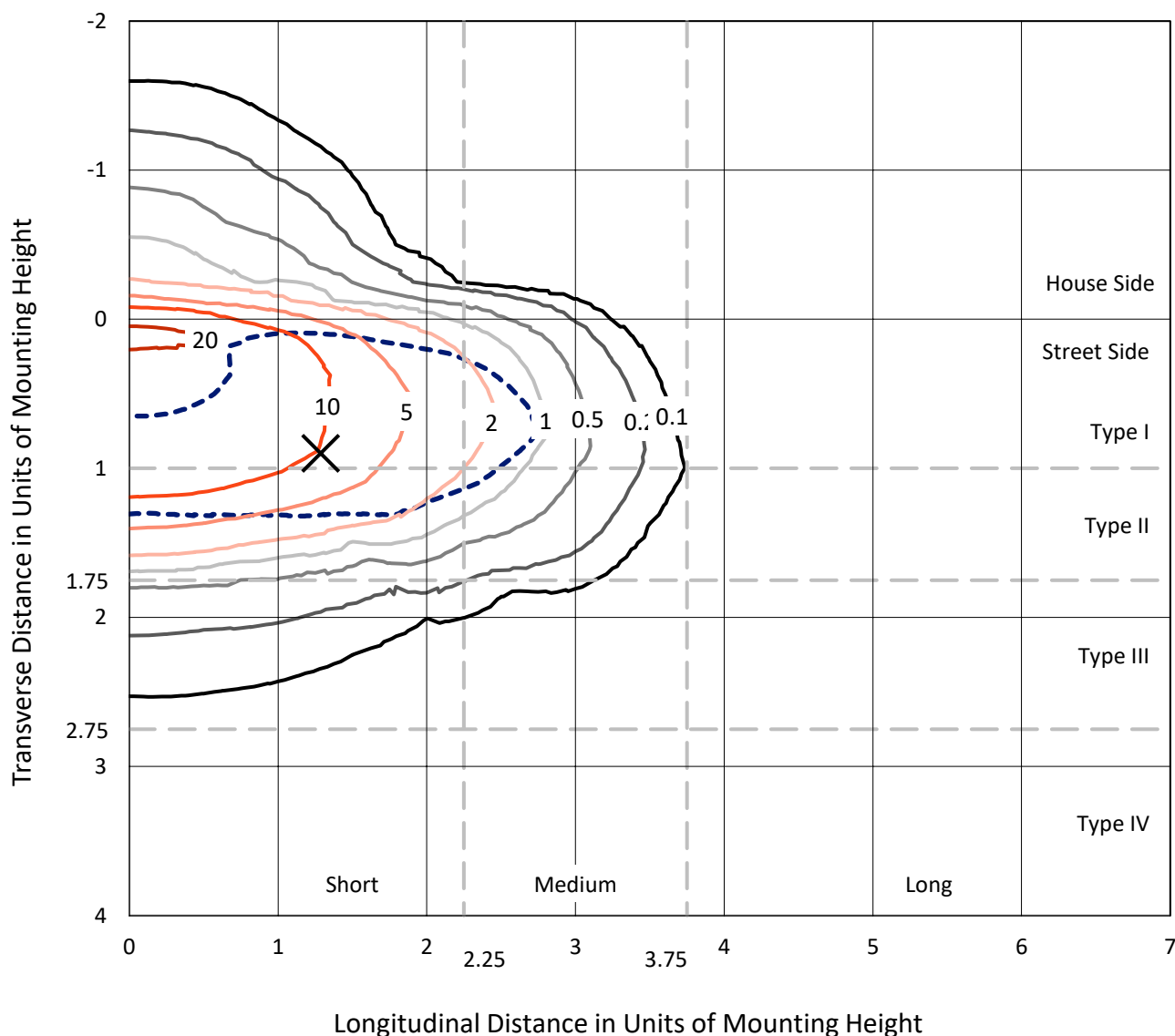
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

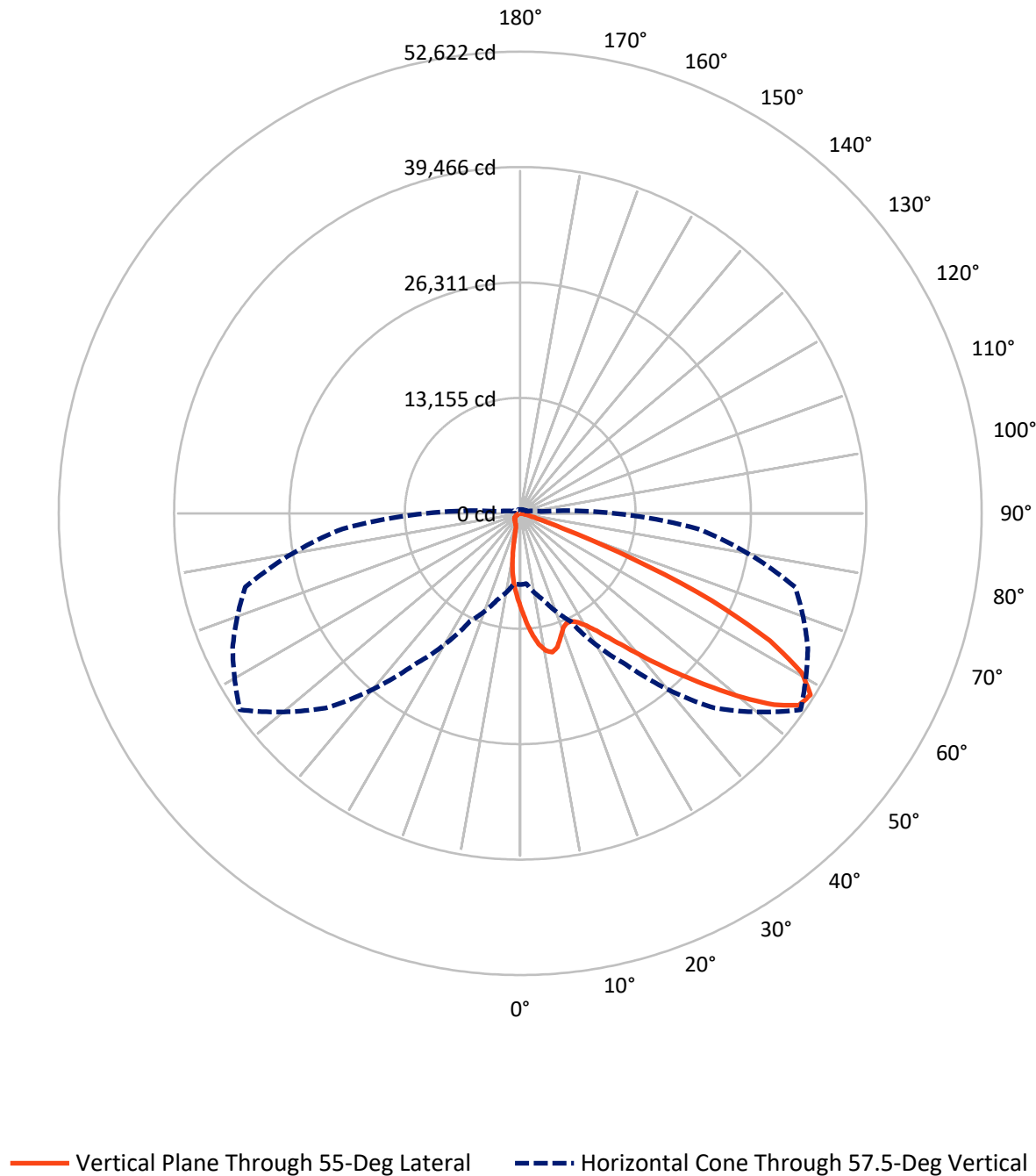
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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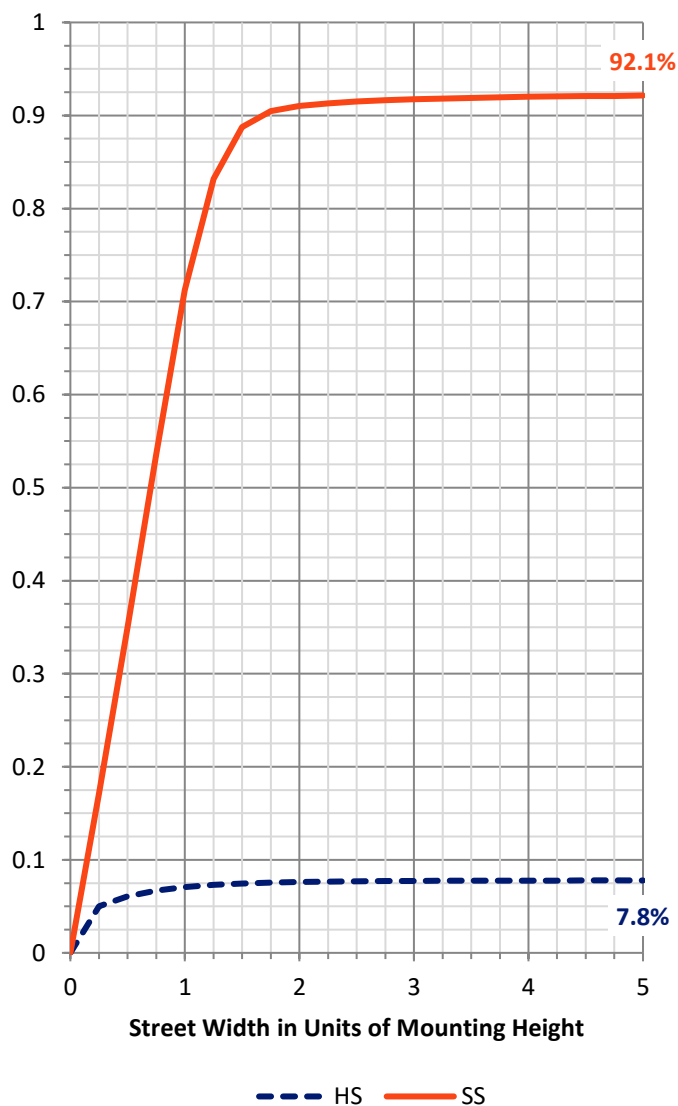
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3491.8	0.0	3491.8
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	41220.2	0.0	41220.2
	% Fixture	92.2	0.0	92.2
Total	Lumens	44712.0	0.0	44712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1002.5	2.2
10°-20°	2421.6	5.4
20°-30°	3874.5	8.7
30°-40°	6557.8	14.7
40°-50°	10766.5	24.1
50°-60°	11833.1	26.5
60°-70°	6787.5	15.2
70°-80°	1386.9	3.1
80°-90°	81.8	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°	44712.0	100.0
0°-180°	44712.0	100.0

Coefficient of Utilization



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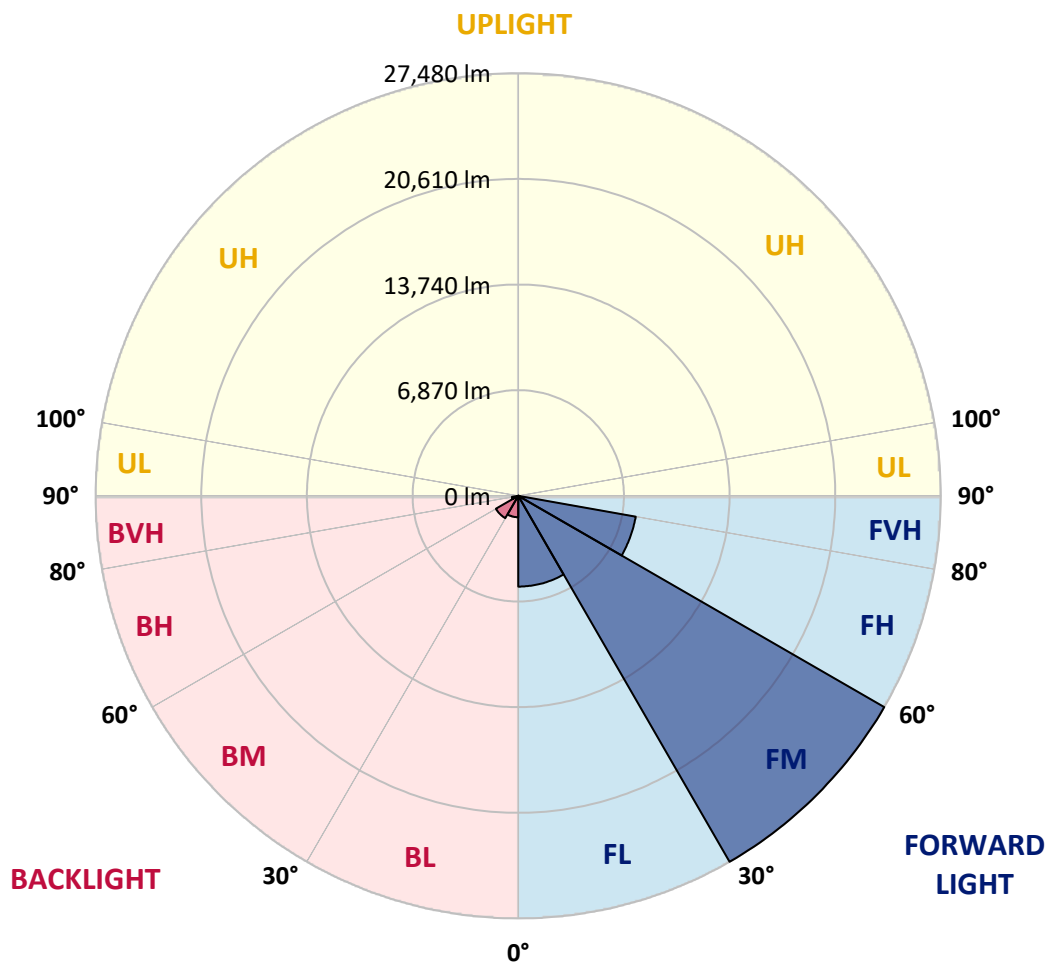
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5904.5	13.2			
FM	(30°-60°)	27480.3	61.5			
FH	(60°-80°)	7759.1	17.4			G4/12000
FVH	(80°-90°)	76.3	0.2			G1/100
BL	(0°-30°)	1394.0	3.1	B3/2500		
BM	(30°-60°)	1677.0	3.8	B2/2500		
BH	(60°-80°)	415.3	0.9	B1/500		G1/500
BVH	(80°-90°)	5.5	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°	10774.5	10774.5	10774.5	10774.5	10774.5	10774.5	10774.5	10774.5	10774.5	10774.5
2.5°	13368.9	13200.7	13175.9	13142.8	12823.0	12583.1	12235.7	11855.2	11427.9	10992.3
5°	15444.9	15312.6	15287.8	15133.4	14769.4	14361.4	13743.8	12963.6	12166.8	11229.4
7.5°	15847.4	15822.6	15935.7	15930.1	15880.5	15557.9	15036.9	14107.7	12911.2	11521.6
10°	14052.6	14116.0	14452.4	14747.4	15544.2	16007.3	15894.3	15127.8	13677.6	11855.2
12.5°	12417.7	12343.2	12583.1	12916.7	13843.1	15221.6	16250.0	15979.8	14554.4	12233.0
15°	11392.1	11361.7	11496.8	11651.2	12357.0	13746.6	15836.4	16671.8	15398.0	12679.6
17.5°	11064.0	11039.2	11080.5	11119.1	11576.8	12652.0	14852.1	17096.4	16205.8	13189.7
20°	11331.4	11298.3	11292.8	11262.5	11452.7	12186.1	13961.6	17126.7	16930.9	13652.8
22.5°	12111.7	12073.1	11938.0	11816.6	11833.2	12249.5	13564.6	16823.4	17476.8	14085.7
25°	13526.0	13462.6	13181.4	12773.3	12514.2	12690.6	13625.3	16423.7	17997.9	14424.8
27.5°	15296.0	15213.3	14852.1	14245.6	13652.8	13437.8	14063.6	16147.9	18430.8	14684.0
30°	17030.2	16922.7	16567.0	16095.6	15229.9	14551.6	14854.9	16269.3	18946.3	14954.2
32.5°	18902.2	18800.2	18328.8	17744.3	17027.4	16114.9	15938.4	16862.0	19577.7	15331.9
35°	21270.5	21110.6	20440.7	19643.9	18882.9	17959.3	17405.2	17884.9	20418.6	15908.1
37.5°	23966.9	23751.9	23029.5	21929.5	20936.9	19903.0	19191.7	19291.0	21651.0	16680.1
40°	26508.9	26313.1	25645.9	24609.3	23363.1	22108.7	21350.5	21129.9	23352.1	17620.2
42.5°	28033.5	27857.1	27575.9	27137.5	26087.1	24807.8	23851.1	23374.1	25364.7	18745.1
45°	28119.0	27964.6	28342.3	28852.4	28645.6	27793.7	26627.4	25753.5	27385.6	19801.0
47.5°	26751.5	26646.7	27793.7	29574.7	30462.5	30820.9	29745.6	27934.3	29053.6	20559.2
50°	23024.0	22985.4	25345.4	28615.3	31154.5	33473.2	33034.8	29963.4	30346.7	20950.7
52.5°	19963.7	19823.1	21198.8	25543.9	30148.2	34868.2	36249.5	31954.0	31251.0	21025.1
55°	15141.6	15017.6	16743.5	20404.8	26903.1	34371.9	38601.2	34008.0	31898.9	20834.9
57.5°	8122.2	8045.0	10225.8	13581.2	21030.7	31394.3	39025.8	36180.6	32444.8	20330.4
60°	3162.3	3148.5	3964.6	6589.3	12781.6	25541.2	36883.6	37484.6	32786.7	19710.0
62.5°	1913.4	1954.7	2087.1	2958.3	5646.4	15866.7	31945.8	36001.4	33015.5	19142.1
65°	1582.5	1585.3	1601.8	2031.9	2704.7	6638.9	24049.6	31121.4	32450.3	18130.3
67.5°	1356.5	1381.3	1444.7	1612.9	1907.9	2911.4	13845.8	24107.5	29012.3	15775.8
70°	1069.7	1102.8	1182.8	1326.1	1472.3	1822.4	5117.1	16040.4	22163.8	11891.1
72.5°	901.6	898.8	940.1	1078.0	1169.0	1282.0	1968.5	8987.9	12880.9	5676.7
75°	697.5	725.1	777.5	901.6	956.7	929.1	1067.0	3283.6	4615.3	1720.4
77.5°	545.9	567.9	614.8	736.1	791.3	658.9	614.8	1174.5	1483.3	617.6
80°	245.4	264.7	419.1	543.1	645.1	454.9	333.6	601.0	658.9	281.2
82.5°	44.1	74.4	245.4	286.7	330.8	295.0	173.7	311.5	322.6	113.0
85°	2.8	5.5	85.5	104.8	132.3	96.5	52.4	124.1	107.5	38.6
87.5°	0.0	0.0	0.0	2.8	2.8	13.8	16.5	22.1	16.5	13.8
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°
10774.5	0°	10774.5	10774.5	10774.5	10774.5	10774.5	10774.5	10774.5	10774.5	10774.5	10774.5
10799.3	2.5°	10600.8	10209.3	9828.8	9517.3	9335.3	9026.5	8822.5	8789.4	8704.0	8778.4
10826.9	5°	10396.8	9696.5	8987.9	8353.8	7832.7	7160.0	6658.2	6445.9	6261.2	6324.6
10898.6	7.5°	10300.3	9194.7	8091.9	7008.4	5894.5	4819.3	4019.8	3686.2	3432.5	3468.3
10978.5	10°	10170.7	8673.6	6945.0	5290.7	3799.2	2737.7	2186.3	1982.3	1869.3	1872.0
11097.1	12.5°	10071.4	8050.5	5613.3	3586.9	2313.2	1748.0	1577.0	1527.4	1494.3	1497.1
11276.3	15°	10021.8	7317.2	4298.2	2390.3	1654.2	1480.5	1439.2	1417.1	1395.1	1392.3
11474.8	17.5°	9939.1	6501.1	3145.8	1745.2	1447.4	1386.8	1350.9	1326.1	1298.6	1293.0
11645.7	20°	9815.0	5574.7	2299.4	1475.0	1356.5	1309.6	1260.0	1226.9	1193.8	1188.3
11753.2	22.5°	9586.2	4596.0	1767.3	1364.7	1290.3	1237.9	1177.3	1138.7	1105.6	1100.1
11700.9	25°	9161.6	3677.9	1488.8	1295.8	1232.4	1169.0	1102.8	1050.4	1020.1	1014.6
11587.8	27.5°	8624.0	2889.4	1350.9	1232.4	1158.0	1100.1	1025.6	976.0	948.4	942.9
11438.9	30°	7989.9	2224.9	1271.0	1160.7	1069.7	1020.1	953.9	912.6	896.0	896.0
11334.2	32.5°	7306.1	1778.3	1237.9	1089.0	992.5	937.4	885.0	868.5	863.0	860.2
11392.1	35°	6663.8	1543.9	1221.4	1031.1	923.6	871.2	849.2	851.9	863.0	863.0
11571.3	37.5°	6093.0	1469.5	1213.1	989.8	863.0	816.1	829.9	854.7	843.7	843.7
11885.6	40°	5577.5	1477.8	1207.6	959.4	813.3	785.8	813.3	794.0	766.5	763.7
12268.8	42.5°	5183.2	1546.7	1196.6	934.6	783.0	763.7	752.7	722.3	719.6	725.1
12665.8	45°	4896.5	1607.4	1193.8	923.6	749.9	714.1	700.3	670.0	725.1	738.9
12828.5	47.5°	4557.4	1607.4	1193.8	885.0	694.8	681.0	658.9	625.8	681.0	694.8
12674.1	50°	4119.0	1505.3	1146.9	840.9	650.7	642.4	603.8	562.4	551.4	559.7
12312.9	52.5°	3564.8	1320.6	1028.4	780.2	606.5	590.0	543.1	512.8	504.5	504.5
11665.0	55°	2933.5	1105.6	868.5	692.0	559.7	529.4	496.3	482.5	474.2	468.7
10757.9	57.5°	2384.8	907.1	697.5	614.8	515.6	477.0	465.9	449.4	435.6	427.3
9999.8	60°	1957.5	714.1	576.2	545.9	471.5	435.6	432.9	410.8	375.0	369.4
9373.9	62.5°	1510.9	523.8	485.2	474.2	427.3	397.0	391.5	347.4	292.2	281.2
8486.2	65°	1067.0	408.0	391.5	416.3	380.5	352.9	339.1	272.9	215.0	206.8
7102.1	67.5°	749.9	341.9	308.8	363.9	330.8	295.0	286.7	231.6	179.2	173.7
5370.7	70°	534.9	278.5	253.6	311.5	264.7	259.2	242.6	193.0	146.1	140.6
2657.8	72.5°	377.7	212.3	195.7	270.2	182.0	223.3	198.5	148.9	110.3	104.8
904.3	75°	278.5	151.6	137.9	157.2	132.3	168.2	140.6	99.3	68.9	66.2
408.0	77.5°	204.0	96.5	82.7	77.2	77.2	104.8	77.2	41.4	30.3	27.6
206.8	80°	143.4	44.1	38.6	33.1	30.3	24.8	11.0	5.5	2.8	2.8
71.7	82.5°	85.5	19.3	19.3	13.8	8.3	0.0	0.0	0.0	0.0	0.0
27.6	85°	19.3	8.3	8.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0
11.0	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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