

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: P1210964

Luminaire Tested: **ARCH4-130-722-U-T2RE-HSS**

Issue Date: 11/5/2025

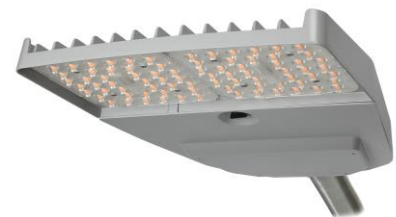
Test Information

Test Method: LM-79-08
Report Number: P1210964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-130-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1080mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13391 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 132
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

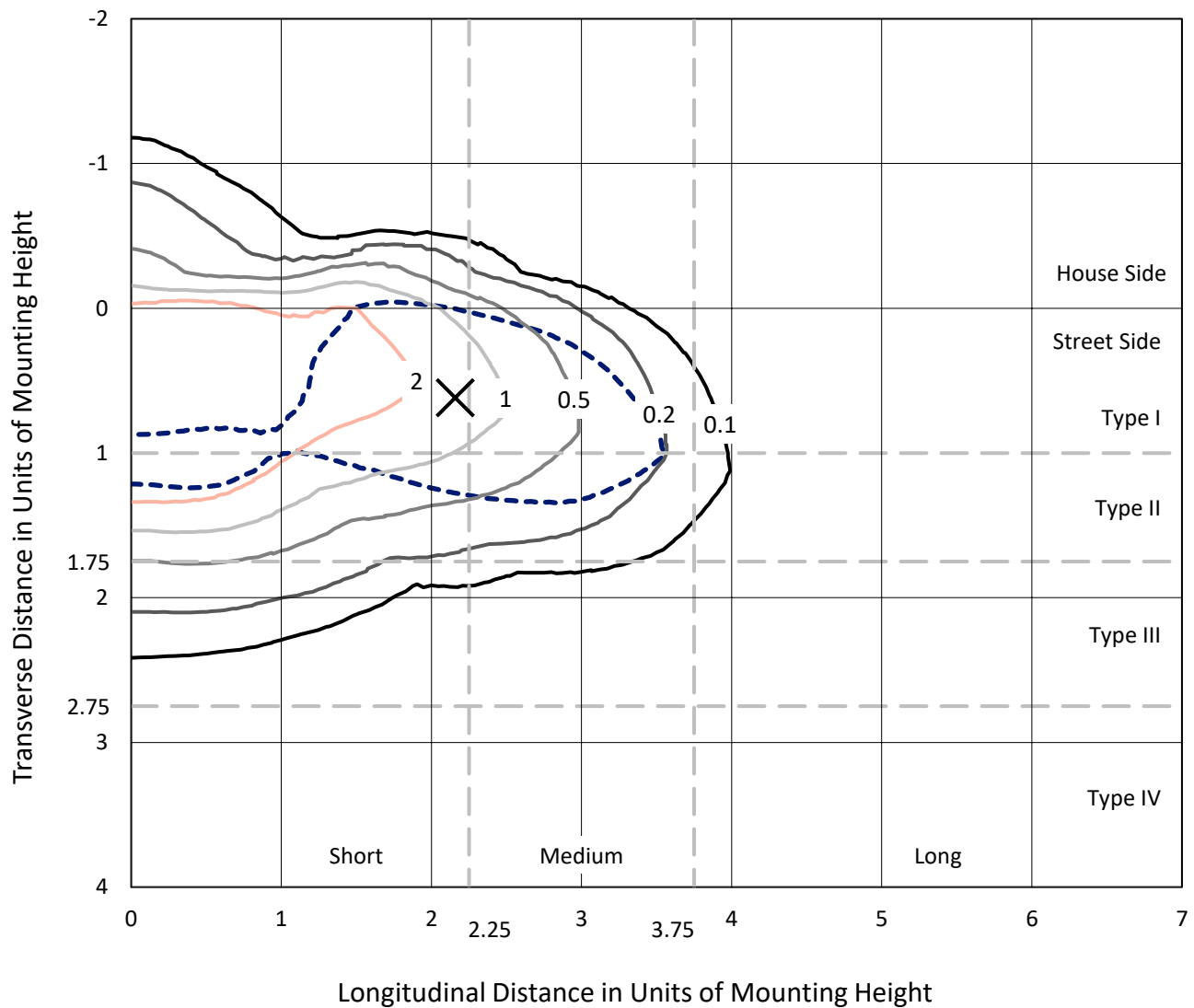


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Iso-Footcandle Lines of Horizontal Illumination

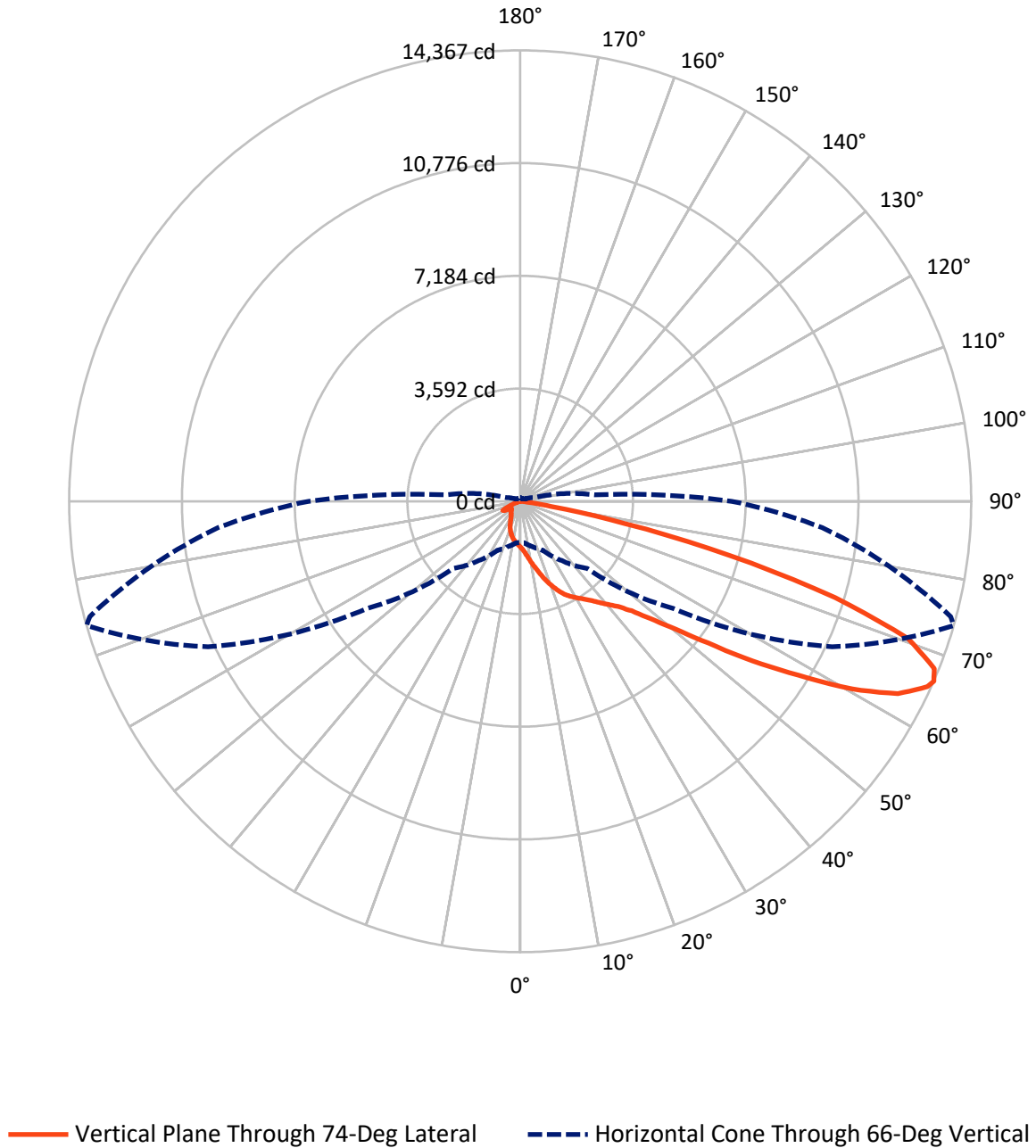
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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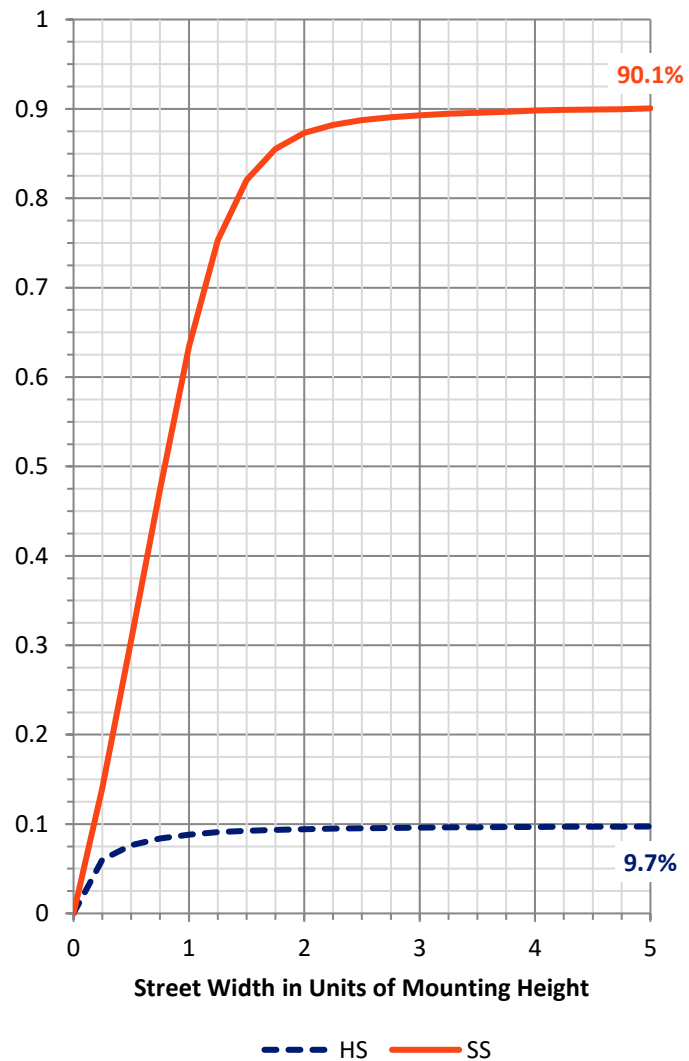
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.7	0.0	1312.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	12078.2	0.0	12078.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	13391.0	0.0	13391.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.7	1.1
10°-20°	457.4	3.4
20°-30°	872.9	6.5
30°-40°	1530.0	11.4
40°-50°	2623.5	19.6
50°-60°	3412.1	25.5
60°-70°	3088.8	23.1
70°-80°	1191.8	8.9
80°-90°	71.7	0.5
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°	13391.0	100.0
0°-180°	13391.0	100.0

Coefficient of Utilization



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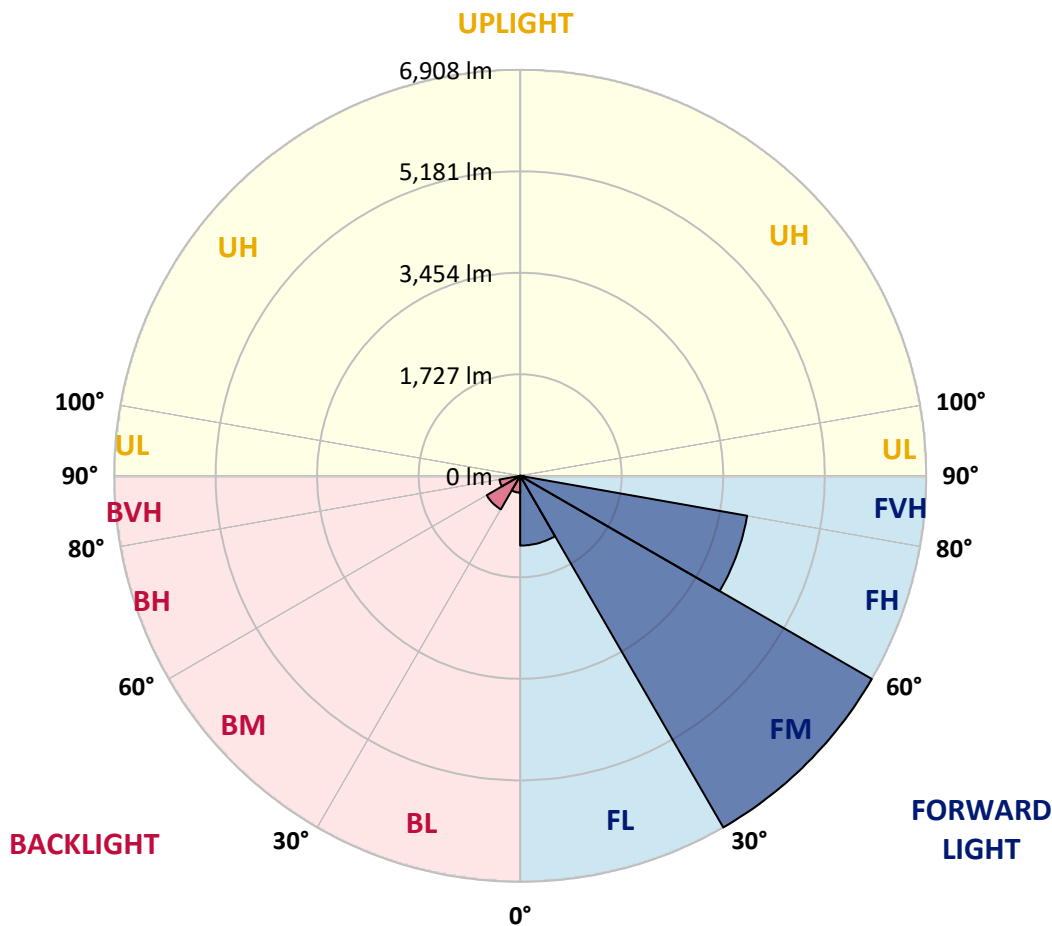
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1186.6	8.9			
FM	(30°-60°)	6907.8	51.6			
FH	(60°-80°)	3921.8	29.3			G2/5000
FVH	(80°-90°)	62.1	0.5			G1/100
BL	(0°-30°)	286.3	2.1	B1/500		
BM	(30°-60°)	657.9	4.9	B1/1000		
BH	(60°-80°)	358.9	2.7	B1/500		G1/500
BVH	(80°-90°)	9.6	0.1			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7
2.5°	1755.1	1740.6	1714.2	1711.8	1690.1	1663.7	1618.0	1569.9	1536.3	1531.5	1490.6
5°	2101.3	2094.0	2067.6	2050.8	2009.9	1947.4	1841.6	1735.8	1646.9	1637.2	1545.9
7.5°	2192.6	2197.4	2202.2	2219.1	2204.6	2175.8	2096.4	1947.4	1807.9	1786.3	1627.6
10°	2207.0	2202.2	2202.2	2223.9	2264.7	2305.6	2296.0	2168.6	1988.3	1961.8	1740.6
12.5°	2363.3	2370.5	2353.7	2344.1	2336.9	2358.5	2430.6	2375.3	2178.2	2156.6	1877.7
15°	2565.3	2562.9	2538.8	2538.8	2517.2	2481.1	2526.8	2567.7	2406.6	2380.1	2033.9
17.5°	2711.9	2721.5	2719.1	2733.6	2726.3	2678.3	2654.2	2738.4	2642.2	2608.5	2211.8
20°	2829.7	2856.2	2865.8	2911.5	2933.1	2899.4	2836.9	2889.8	2868.2	2836.9	2392.2
22.5°	2954.7	2976.4	2993.2	3072.5	3132.7	3125.4	3046.1	3034.1	3087.0	3058.1	2570.1
25°	3079.8	3089.4	3139.9	3236.0	3332.2	3356.2	3274.5	3180.7	3284.1	3257.7	2728.7
27.5°	3216.8	3221.6	3281.7	3399.5	3534.1	3584.6	3519.7	3346.6	3435.6	3435.6	2873.0
30°	3466.8	3514.9	3539.0	3644.7	3762.5	3832.3	3755.3	3522.1	3570.2	3591.8	3024.5
32.5°	4005.4	4012.6	4005.4	4051.0	4075.1	4116.0	4027.0	3719.3	3707.3	3731.3	3173.5
35°	4827.6	4798.7	4721.8	4654.5	4515.1	4438.1	4322.7	3971.7	3875.5	3909.2	3320.2
37.5°	5825.3	5784.5	5609.0	5402.2	5104.1	4796.3	4652.1	4279.4	4089.5	4132.8	3478.9
40°	6777.4	6750.9	6541.8	6286.9	5777.3	5250.7	4945.4	4539.1	4327.5	4344.4	3639.9
42.5°	7561.2	7556.3	7380.8	7114.0	6460.0	5741.2	5291.6	4793.9	4577.6	4604.0	3808.2
45°	8155.0	8109.3	7979.5	7787.1	7121.2	6250.9	5709.9	5181.0	4979.1	5010.3	4060.7
47.5°	8155.0	8162.2	8246.3	8227.1	7582.8	6729.3	6166.7	5669.1	5572.9	5601.7	4476.6
50°	7491.4	7558.8	7933.8	8248.8	7823.2	7102.0	6659.6	6279.7	6378.3	6421.6	5202.7
52.5°	6178.8	6291.7	6943.3	7662.1	7645.3	7289.5	7169.3	7056.3	7498.6	7575.6	6274.9
55°	4695.4	4769.9	5618.6	6563.4	6871.2	7135.6	7614.0	8042.0	8982.0	8965.2	7364.0
57.5°	3507.7	3577.4	4308.3	5356.5	5762.8	6469.7	7842.4	9169.6	10453.4	10518.3	8385.8
60°	2579.7	2632.6	3255.3	4116.0	4702.6	5450.3	7751.1	10280.3	12148.3	12073.8	9287.4
62.5°	1908.9	1937.8	2387.4	2947.5	3726.5	4440.5	7176.5	11040.0	13501.9	13350.4	9789.8
65°	1476.2	1485.8	1719.0	2017.1	2709.5	3452.4	6320.6	11155.4	14249.6	14088.5	9780.2
66°	1315.1	1322.3	1493.0	1723.8	2305.6	3022.1	5945.5	10970.3	14367.4	14196.7	9660.0
67.5°	1103.5	1098.7	1199.7	1351.2	1731.0	2332.1	5279.6	10429.3	14228.0	14141.4	9275.3
70°	817.4	819.8	870.3	906.4	1012.2	1291.0	3813.0	9046.9	13112.4	13107.6	8219.9
72.5°	605.9	613.1	651.5	658.7	632.3	699.6	2197.4	7195.7	10489.5	10491.9	6145.1
75°	454.4	466.4	478.4	483.2	459.2	442.4	992.9	4842.0	6900.0	6849.5	3478.9
77.5°	346.2	351.0	360.6	353.4	348.6	305.3	413.5	2360.9	3406.7	3103.8	1127.6
80°	252.4	252.4	262.1	252.4	250.0	218.8	226.0	757.3	1000.1	831.8	242.8
82.5°	158.7	156.3	163.5	161.1	156.3	139.4	132.2	211.6	230.8	206.8	117.8
85°	89.0	86.6	84.1	81.7	74.5	62.5	72.1	79.3	105.8	108.2	84.1
87.5°	31.3	31.3	28.9	26.4	21.6	21.6	26.4	26.4	38.5	38.5	43.3
90°	0.0	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°
0°	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7	1461.7
2.5°	1471.4	1444.9	1406.4	1356.0	1319.9	1283.8	1245.4	1223.7	1192.5	1185.3	1194.9
5°	1497.8	1449.7	1353.6	1247.8	1156.4	1074.7	997.7	952.1	906.4	889.5	896.8
7.5°	1553.1	1471.4	1307.9	1137.2	985.7	863.1	771.7	718.9	678.0	661.2	666.0
10°	1634.8	1509.8	1264.6	1012.2	817.4	687.6	610.7	577.0	553.0	543.3	545.7
12.5°	1733.4	1565.1	1209.3	887.1	673.2	560.2	524.1	516.9	512.1	507.3	509.7
15°	1844.0	1613.2	1144.4	764.5	560.2	497.7	485.6	483.2	480.8	480.8	480.8
17.5°	1959.4	1656.5	1072.3	649.1	488.0	459.2	452.0	452.0	452.0	454.4	454.4
20°	2067.6	1690.1	988.1	545.7	447.2	423.1	418.3	418.3	420.7	423.1	423.1
22.5°	2173.4	1704.6	889.5	473.6	413.5	391.9	384.7	384.7	384.7	387.1	387.1
25°	2264.7	1704.6	791.0	427.9	384.7	363.0	353.4	351.0	353.4	353.4	353.4
27.5°	2341.7	1697.4	694.8	396.7	355.8	334.2	324.6	322.2	327.0	329.4	329.4
30°	2423.4	1687.7	617.9	367.8	331.8	310.1	300.5	300.5	307.7	317.4	317.4
32.5°	2502.8	1694.9	557.8	343.8	307.7	290.9	281.3	283.7	298.1	312.5	312.5
35°	2586.9	1709.4	521.7	327.0	290.9	274.1	266.9	274.1	288.5	302.9	302.9
37.5°	2671.0	1726.2	500.1	312.5	276.5	259.7	254.8	264.5	281.3	295.7	298.1
40°	2760.0	1740.6	476.0	298.1	266.9	247.6	245.2	254.8	276.5	290.9	293.3
42.5°	2870.6	1769.5	447.2	286.1	257.2	233.2	235.6	242.8	264.5	286.1	288.5
45°	3087.0	1860.8	418.3	274.1	245.2	226.0	221.2	226.0	250.0	274.1	278.9
47.5°	3493.3	2067.6	387.1	262.1	233.2	221.2	202.0	206.8	228.4	254.8	257.2
50°	4272.2	2507.6	370.2	250.0	223.6	204.4	182.7	182.7	199.5	223.6	223.6
52.5°	5486.3	3296.1	379.9	240.4	211.6	187.5	165.9	163.5	173.1	189.9	189.9
55°	6796.6	4161.6	415.9	230.8	197.1	177.9	153.9	141.8	149.1	158.7	158.7
57.5°	7835.2	4596.8	514.5	226.0	180.3	170.7	139.4	122.6	129.8	139.4	139.4
60°	8292.0	4342.0	625.1	230.8	168.3	158.7	125.0	108.2	120.2	129.8	132.2
62.5°	7921.8	3575.0	670.8	218.8	151.5	141.8	122.6	101.0	115.4	122.6	125.0
65°	7121.2	2716.7	524.1	189.9	139.4	122.6	110.6	96.2	108.2	115.4	115.4
66°	6741.3	2368.1	447.2	175.5	134.6	115.4	105.8	96.2	105.8	110.6	113.0
67.5°	6152.3	1868.1	331.8	153.9	125.0	105.8	98.6	91.4	101.0	105.8	105.8
70°	4810.8	1113.1	199.5	120.2	108.2	93.8	89.0	84.1	91.4	93.8	93.8
72.5°	3012.4	528.9	127.4	89.0	91.4	89.0	74.5	79.3	81.7	84.1	84.1
75°	1459.3	209.2	86.6	64.9	74.5	84.1	60.1	69.7	72.1	76.9	74.5
77.5°	406.3	101.0	55.3	48.1	64.9	64.9	45.7	55.3	64.9	81.7	74.5
80°	117.8	64.9	36.1	36.1	45.7	45.7	31.3	38.5	43.3	48.1	50.5
82.5°	81.7	43.3	24.0	26.4	26.4	28.9	19.2	19.2	24.0	24.0	26.4
85°	64.9	19.2	14.4	16.8	12.0	14.4	9.6	9.6	12.0	9.6	9.6
87.5°	26.4	9.6	9.6	9.6	7.2	7.2	4.8	2.4	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)