

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: P691846

Luminaire Tested: **CRTK2-C01H-D-U-T2-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T2-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9121 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

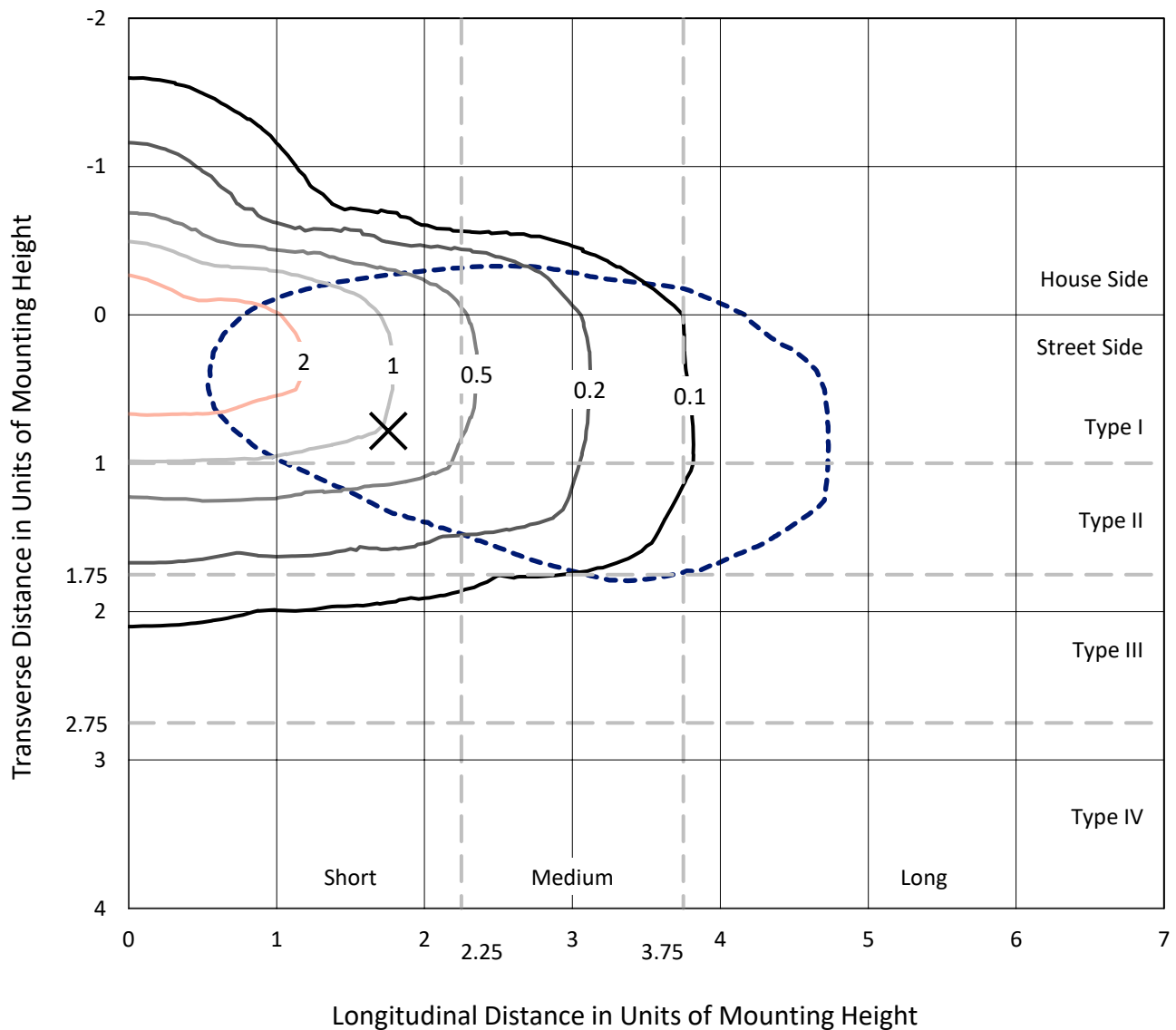
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

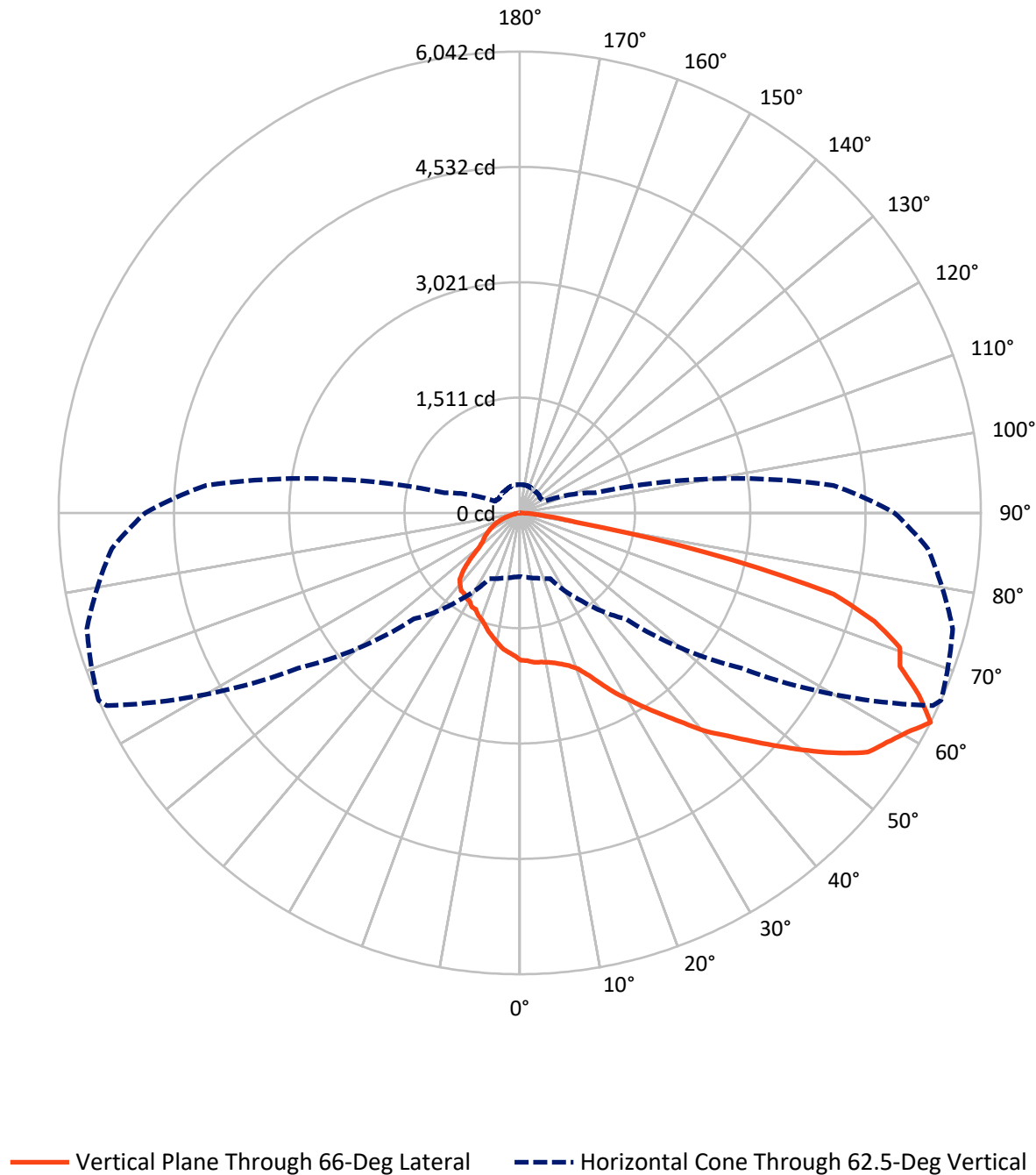
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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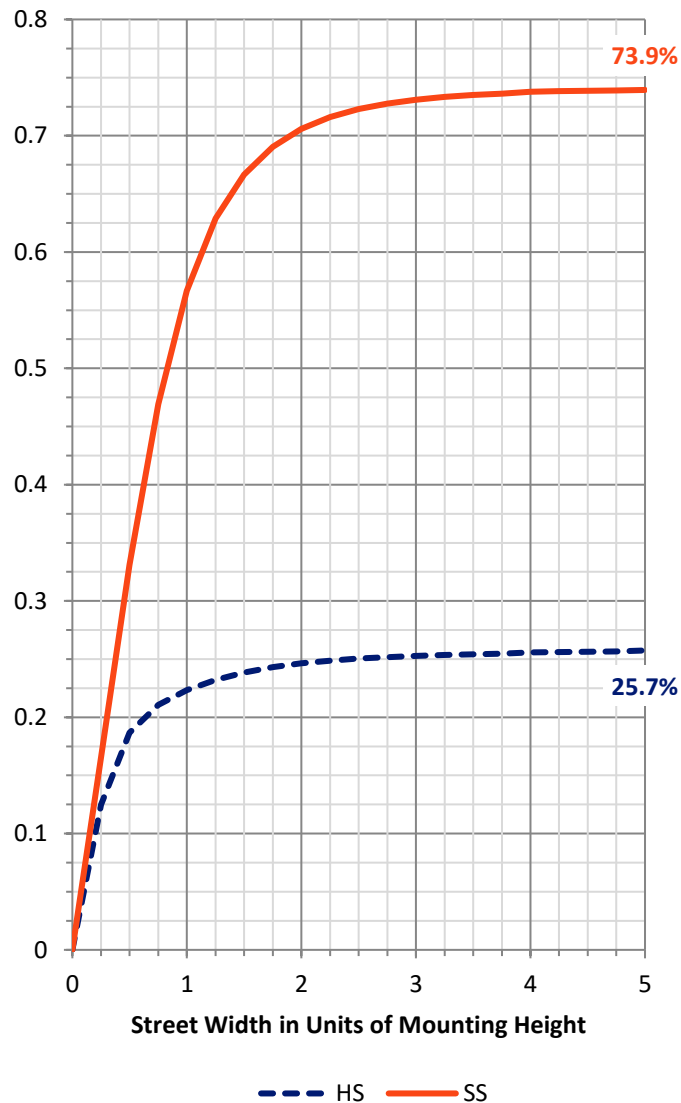
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2383.3	0.0	2383.3
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	6737.7	0.0	6737.7
	% Fixture	73.9	0.0	73.9
Total	Lumens	9121.0	0.0	9121.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.5	2.0
10°-20°	512.2	5.6
20°-30°	831.7	9.1
30°-40°	1199.6	13.2
40°-50°	1560.3	17.1
50°-60°	1812.3	19.9
60°-70°	1793.1	19.7
70°-80°	1110.7	12.2
80°-90°	120.6	1.3
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°	9121.0	100.0
0°-180°	9121.0	100.0

Coefficient of Utilization



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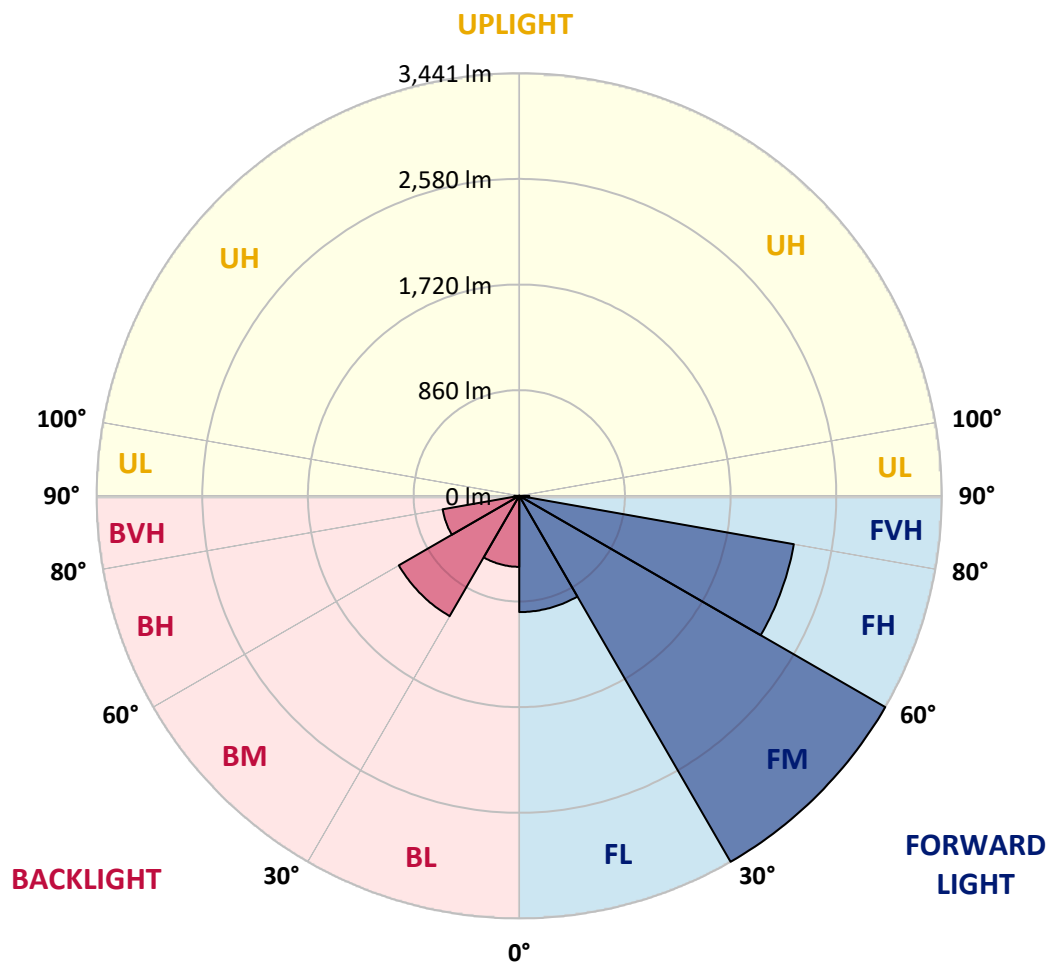
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	946.3	10.4			
FM	(30°-60°)	3440.6	37.7			
FH	(60°-80°)	2269.9	24.9			G2/5000
FVH	(80°-90°)	80.9	0.9			G1/100
BL	(0°-30°)	578.1	6.3	B2/1000		
BM	(30°-60°)	1131.6	12.4	B2/2500		
BH	(60°-80°)	633.8	6.9	B2/1000		G2/1000
BVH	(80°-90°)	39.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3
2.5°	1998.3	1998.3	2004.6	1982.6	1970.1	1960.7	1951.3	1941.9	1938.7	1929.3	1916.8
5°	2086.2	2086.2	2089.3	2067.3	2042.2	2014.0	1985.8	1967.0	1967.0	1945.0	1913.6
7.5°	2133.2	2133.2	2133.2	2108.1	2092.4	2073.6	2029.7	1976.4	1973.2	1951.3	1907.4
10°	2133.2	2133.2	2145.8	2108.1	2095.6	2076.8	2051.7	1995.2	1988.9	1938.7	1879.1
12.5°	2170.9	2177.1	2170.9	2130.1	2117.5	2101.9	2067.3	2020.3	2017.2	1951.3	1866.6
15°	2224.2	2227.3	2217.9	2189.7	2177.1	2152.0	2111.3	2061.1	2054.8	1976.4	1876.0
17.5°	2236.7	2239.9	2246.2	2211.7	2211.7	2202.2	2180.3	2120.7	2105.0	2036.0	1904.2
20°	2230.5	2233.6	2243.0	2236.7	2239.9	2233.6	2249.3	2199.1	2180.3	2105.0	1948.1
22.5°	2258.7	2265.0	2283.8	2286.9	2299.5	2312.0	2318.3	2321.5	2308.9	2221.1	2039.1
25°	2268.1	2286.9	2312.0	2346.5	2390.5	2415.6	2450.1	2484.6	2481.4	2393.6	2189.7
27.5°	2224.2	2246.2	2324.6	2377.9	2475.2	2544.2	2622.6	2669.7	2669.7	2597.5	2362.2
30°	2265.0	2274.4	2315.2	2390.5	2503.4	2660.3	2782.6	2842.2	2848.5	2801.4	2531.6
32.5°	2180.3	2202.2	2302.6	2446.9	2619.5	2792.0	2914.4	3043.0	3049.3	3033.6	2779.5
35°	2170.9	2183.4	2239.9	2393.6	2616.3	2914.4	3077.5	3240.6	3256.3	3275.1	3021.0
37.5°	2073.6	2098.7	2208.5	2399.9	2704.2	2995.9	3215.5	3466.5	3491.6	3551.2	3228.1
40°	1970.1	1988.9	2079.9	2286.9	2675.9	3099.5	3350.4	3733.1	3764.5	3814.7	3513.5
42.5°	1828.9	1866.6	2023.4	2239.9	2663.4	3130.8	3501.0	3977.8	3990.4	4078.2	3739.4
45°	1697.2	1709.7	1828.9	2076.8	2553.6	3177.9	3613.9	4253.9	4263.3	4319.8	3927.6
47.5°	1590.5	1606.2	1728.5	1938.7	2453.2	3165.3	3726.9	4520.6	4564.5	4627.2	4156.7
50°	1261.1	1295.6	1618.7	1819.5	2280.7	3143.4	3817.8	4840.5	4890.7	4950.3	4401.3
52.5°	1088.6	1104.3	1267.4	1700.3	2111.3	3049.3	3902.5	5166.8	5226.4	5195.0	4711.9
55°	1013.3	1022.7	1098.0	1465.0	1960.7	2870.4	3965.3	5471.1	5533.8	5383.3	4956.6
57.5°	960.0	972.5	1016.4	1198.4	1791.3	2556.7	3971.6	5649.9	5671.9	5540.1	5057.0
60°	887.8	897.2	960.0	1047.8	1593.6	2227.3	3858.6	5728.3	5831.9	5706.4	5282.9
62.5°	834.5	843.9	884.7	950.5	1402.3	1963.8	3544.9	5973.0	6042.0	5872.6	5367.6
65°	771.7	771.7	812.5	878.4	1279.9	1803.8	3381.8	5894.6	5744.0	5825.6	5471.1
67.5°	680.7	687.0	727.8	781.1	1072.9	1650.1	2980.2	5530.7	5373.8	5599.7	5198.2
70°	605.5	599.2	643.1	683.9	878.4	1455.6	2468.9	5154.2	5282.9	5257.8	4947.2
72.5°	505.1	498.8	536.4	580.4	709.0	1207.8	1951.3	4784.1	4859.4	4702.5	4388.8
75°	392.1	354.5	407.8	464.3	558.4	956.8	1383.5	3962.2	4244.5	4432.7	3742.6
77.5°	62.7	62.7	78.4	109.8	182.0	486.2	618.0	2177.1	2497.1	3773.9	3281.4
80°	50.2	50.2	56.5	75.3	109.8	266.7	207.0	674.5	752.9	1628.2	1888.5
82.5°	28.2	28.2	40.8	50.2	69.0	81.6	91.0	329.4	367.0	577.2	730.9
85°	15.7	15.7	22.0	25.1	28.2	28.2	28.2	150.6	169.4	307.4	332.5
87.5°	9.4	9.4	9.4	9.4	9.4	6.3	3.1	3.1	3.1	3.1	3.1
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°	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3	1929.3
2.5°	1910.5	1901.1	1885.4	1872.8	1863.4	1854.0	1838.3	1828.9	1828.9	1844.6	1847.7
5°	1894.8	1872.8	1844.6	1832.1	1816.4	1800.7	1775.6	1763.0	1759.9	1769.3	1775.6
7.5°	1882.3	1850.9	1822.7	1791.3	1744.2	1703.4	1681.5	1665.8	1672.1	1687.8	1681.5
10°	1844.6	1816.4	1772.5	1725.4	1668.9	1634.4	1599.9	1581.1	1584.2	1593.6	1584.2
12.5°	1828.9	1791.3	1719.1	1662.7	1612.5	1546.6	1502.7	1474.4	1474.4	1490.1	1490.1
15°	1828.9	1772.5	1675.2	1606.2	1527.8	1461.9	1411.7	1386.6	1402.3	1392.9	1386.6
17.5°	1844.6	1756.8	1647.0	1530.9	1436.8	1370.9	1311.3	1276.8	1286.2	1292.5	1286.2
20°	1863.4	1756.8	1612.5	1471.3	1361.5	1267.4	1201.5	1163.9	1160.7	1163.9	1170.1
22.5°	1926.2	1797.6	1590.5	1433.7	1267.4	1176.4	1110.5	1044.7	1041.5	1038.4	1044.7
25°	2032.8	1872.8	1606.2	1364.6	1214.1	1079.2	997.6	941.1	922.3	919.2	925.4
27.5°	2208.5	2004.6	1631.3	1355.2	1116.8	994.5	894.1	831.3	812.5	818.8	815.6
30°	2399.9	2174.0	1703.4	1289.3	1060.3	869.0	774.9	721.5	702.7	690.2	693.3
32.5°	2541.0	2343.4	1794.4	1267.4	950.5	734.1	665.1	633.7	611.7	596.0	592.9
35°	2763.8	2487.7	1876.0	1217.2	853.3	646.2	589.8	555.3	542.7	533.3	533.3
37.5°	2977.1	2663.4	1957.5	1201.5	727.8	586.6	517.6	495.7	489.4	483.1	483.1
40°	3190.4	2842.2	2004.6	1138.8	627.4	514.5	448.6	445.5	454.9	448.6	451.7
42.5°	3453.9	3027.3	2051.7	1079.2	555.3	439.2	401.5	426.6	445.5	448.6	448.6
45°	3635.9	3152.8	2070.5	934.9	480.0	382.7	392.1	420.4	442.3	451.7	448.6
47.5°	3802.2	3322.2	2042.2	759.2	417.2	373.3	389.0	407.8	439.2	451.7	451.7
50°	3965.3	3463.4	2017.2	561.5	395.3	376.5	389.0	398.4	432.9	445.5	445.5
52.5°	4194.3	3576.3	1932.5	470.6	376.5	379.6	398.4	395.3	423.5	442.3	448.6
55°	4511.1	3839.8	1769.3	445.5	373.3	376.5	398.4	398.4	417.2	432.9	442.3
57.5°	4652.3	3952.7	1493.3	420.4	363.9	373.3	389.0	392.1	414.1	423.5	420.4
60°	4812.3	4093.9	1223.5	392.1	348.2	367.0	373.3	385.9	401.5	401.5	398.4
62.5°	4909.6	4128.4	1019.6	360.8	329.4	345.1	345.1	357.6	370.2	370.2	370.2
65°	4956.6	4093.9	762.3	332.5	307.4	320.0	316.8	323.1	332.5	316.8	316.8
67.5°	4771.5	3965.3	527.0	294.9	282.3	294.9	291.7	294.9	291.7	279.2	282.3
70°	4454.7	3604.5	363.9	251.0	247.8	269.8	272.9	266.7	247.8	238.4	238.4
72.5°	4056.3	2892.4	251.0	200.8	210.2	238.4	244.7	232.1	213.3	203.9	203.9
75°	3679.8	2500.3	178.8	138.0	141.2	182.0	194.5	194.5	188.2	251.0	266.7
77.5°	2559.9	1618.7	103.5	72.2	69.0	103.5	119.2	122.3	235.3	254.1	247.8
80°	1518.4	762.3	75.3	43.9	43.9	59.6	81.6	160.0	269.8	182.0	163.1
82.5°	580.4	291.7	47.1	28.2	25.1	31.4	47.1	247.8	156.9	103.5	94.1
85°	210.2	72.2	22.0	15.7	15.7	18.8	28.2	210.2	109.8	78.4	75.3
87.5°	3.1	3.1	6.3	6.3	6.3	3.1	3.1	6.3	6.3	6.3	3.1
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)