

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: P691878

Luminaire Tested: **CRTK2-C01H-D-U-T3-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T3-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9227 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

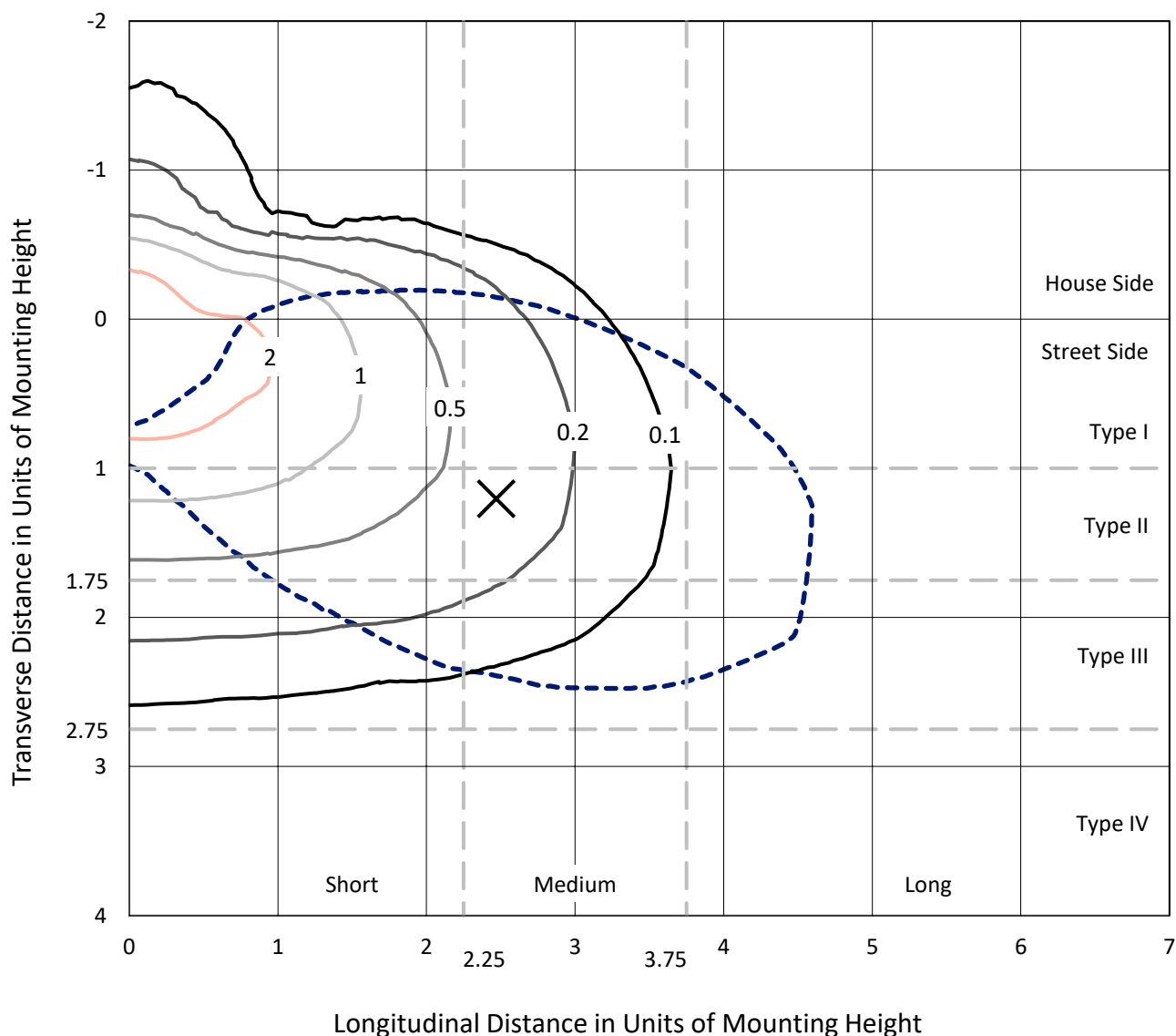
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

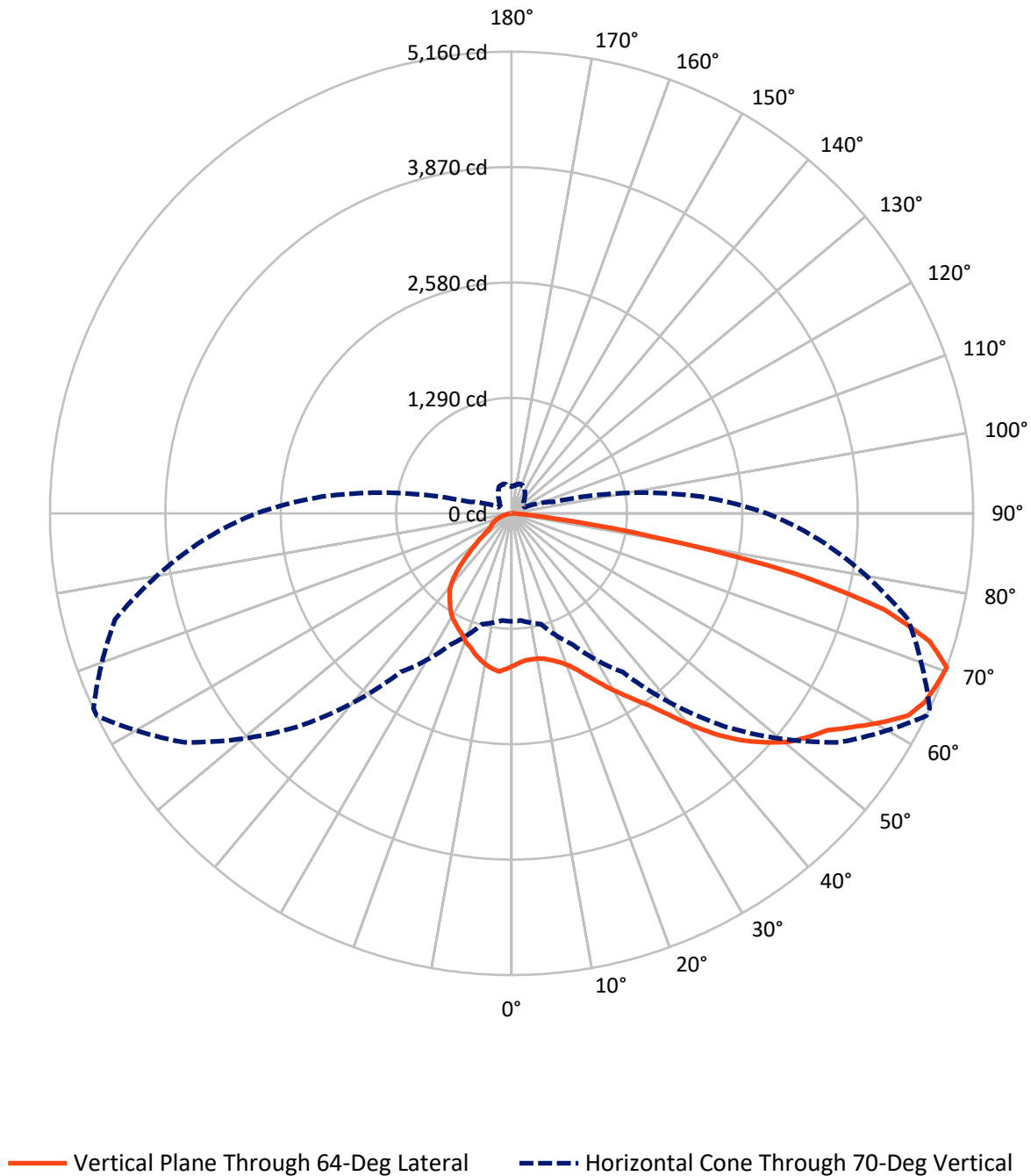
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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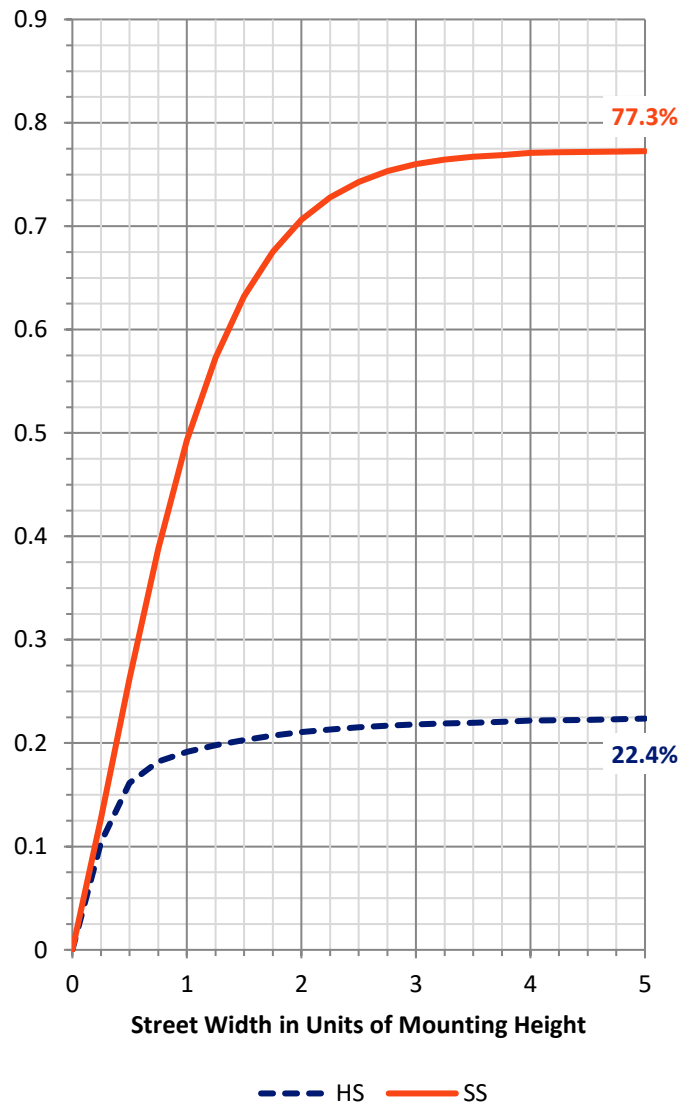
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2096.1	0.0	2096.1
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	7131.0	0.0	7131.0
	% Fixture	77.3	0.0	77.3
Total	Lumens	9227.0	0.0	9227.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.2	1.8
10°-20°	481.2	5.2
20°-30°	798.7	8.7
30°-40°	1142.5	12.4
40°-50°	1525.7	16.5
50°-60°	1843.8	20.0
60°-70°	1962.3	21.3
70°-80°	1205.5	13.1
80°-90°	103.2	1.1
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°	9227.0	100.0
0°-180°	9227.0	100.0

Coefficient of Utilization



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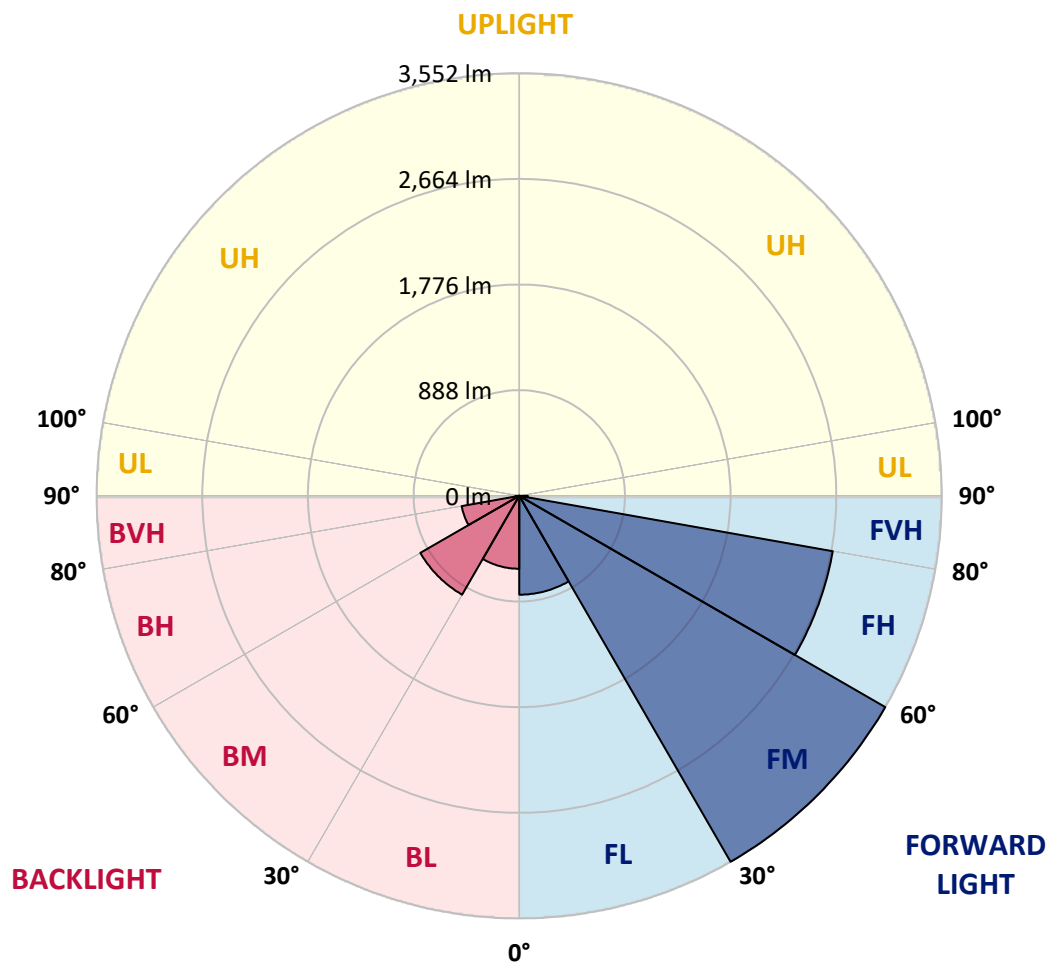
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	830.9	9.0			
FM	(30°-60°)	3552.3	38.5			
FH	(60°-80°)	2676.1	29.0			G2/5000
FVH	(80°-90°)	71.7	0.8			G1/100
BL	(0°-30°)	613.2	6.6	B2/1000		
BM	(30°-60°)	959.7	10.4	B1/1000		
BH	(60°-80°)	491.6	5.3	B1/500		G1/500
BVH	(80°-90°)	31.5	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6
2.5°	1665.8	1665.8	1665.8	1665.8	1668.9	1672.0	1668.9	1672.0	1672.0	1678.3	1687.7
5°	1694.0	1694.0	1687.7	1675.2	1665.8	1653.2	1647.0	1650.1	1650.1	1665.8	1690.9
7.5°	1703.4	1703.4	1697.1	1697.1	1687.7	1659.5	1650.1	1647.0	1650.1	1656.4	1690.9
10°	1750.5	1747.3	1731.7	1712.8	1700.3	1675.2	1653.2	1650.1	1653.2	1662.6	1700.3
12.5°	1800.7	1800.7	1794.4	1778.7	1744.2	1719.1	1681.5	1668.9	1665.8	1675.2	1697.1
15°	1901.1	1888.5	1863.4	1841.4	1816.4	1775.6	1725.4	1703.4	1697.1	1709.7	1700.3
17.5°	1960.7	1951.2	1954.4	1919.9	1897.9	1841.4	1791.3	1750.5	1747.3	1759.9	1719.1
20°	2026.5	2023.4	2029.7	2026.5	1992.0	1941.8	1863.4	1813.2	1806.9	1810.1	1747.3
22.5°	2126.9	2126.9	2123.8	2123.8	2105.0	2045.4	1957.5	1907.3	1897.9	1876.0	1794.4
25°	2236.7	2236.7	2236.7	2243.0	2243.0	2174.0	2086.1	2029.7	2023.4	1992.0	1872.8
27.5°	2340.2	2346.5	2349.7	2352.8	2362.2	2330.8	2233.6	2167.7	2164.6	2123.8	1976.3
30°	2421.8	2424.9	2453.2	2459.4	2478.3	2468.9	2374.7	2312.0	2318.3	2265.0	2092.4
32.5°	2494.0	2497.1	2537.9	2559.8	2581.8	2584.9	2506.5	2462.6	2462.6	2415.5	2233.6
35°	2563.0	2566.1	2616.3	2669.6	2713.5	2701.0	2657.1	2632.0	2641.4	2625.7	2428.1
37.5°	2622.6	2635.1	2701.0	2779.4	2829.6	2839.0	2820.2	2854.7	2873.5	2898.6	2691.6
40°	2679.0	2685.3	2748.1	2829.6	2914.3	2958.2	2980.2	3121.4	3140.2	3159.0	2842.2
42.5°	2625.7	2638.3	2773.2	2895.5	3002.2	3077.4	3181.0	3388.0	3428.8	3325.3	3046.1
45°	2563.0	2578.7	2713.5	2920.6	3071.2	3209.2	3400.6	3620.2	3651.5	3494.7	3155.9
47.5°	2509.6	2528.5	2666.5	2898.6	3143.3	3388.0	3579.4	3827.2	3846.0	3639.0	3306.5
50°	2450.0	2465.7	2613.2	2870.4	3181.0	3551.1	3767.6	4015.4	4021.7	3758.2	3384.9
52.5°	2371.6	2387.3	2537.9	2826.5	3209.2	3660.9	3924.5	4153.5	4128.4	3911.9	3475.9
55°	2271.2	2293.2	2456.3	2766.9	3224.9	3726.8	4031.1	4282.1	4269.5	4093.9	3595.1
57.5°	2164.6	2186.5	2352.8	2685.3	3209.2	3767.6	4140.9	4504.8	4501.7	4241.3	3682.9
60°	2045.4	2064.2	2205.3	2578.7	3124.5	3833.5	4382.5	4746.4	4771.5	4407.6	3717.4
62.5°	1888.5	1891.6	2032.8	2424.9	3014.7	3880.5	4555.0	4975.4	4959.7	4517.4	3723.7
65°	1681.5	1690.9	1816.4	2211.6	2835.9	3842.9	4598.9	5078.9	5078.9	4598.9	3717.4
67.5°	1480.7	1477.6	1584.2	1945.0	2559.8	3676.6	4561.3	5122.8	5144.8	4652.2	3635.8
70°	1207.8	1201.5	1283.1	1618.7	2164.6	3369.2	4464.0	5160.4	5157.3	4589.5	3463.3
72.5°	894.1	890.9	947.4	1226.6	1656.4	2883.0	4175.4	4884.4	4853.0	4288.3	3127.6
75°	495.7	470.6	467.4	759.2	963.1	2020.3	3548.0	4307.2	4319.7	3789.6	2619.4
77.5°	72.2	75.3	78.4	138.0	166.3	756.0	2305.7	3246.8	3240.6	2923.7	1910.5
80°	50.2	53.3	56.5	69.0	78.4	178.8	796.8	1637.5	1731.7	1537.2	881.5
82.5°	37.6	37.6	40.8	47.1	43.9	81.6	247.8	454.9	470.6	426.6	260.4
85°	25.1	25.1	22.0	25.1	15.7	22.0	56.5	84.7	91.0	87.8	72.2
87.5°	12.5	12.5	9.4	9.4	6.3	6.3	6.3	3.1	6.3	3.1	6.3
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°	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6	1706.6
2.5°	1697.1	1703.4	1722.2	1737.9	1756.7	1778.7	1791.3	1803.8	1816.4	1810.1	1819.5
5°	1703.4	1716.0	1744.2	1772.4	1788.1	1791.3	1794.4	1803.8	1822.6	1822.6	1838.3
7.5°	1709.7	1731.7	1731.7	1747.3	1769.3	1775.6	1778.7	1785.0	1794.4	1797.5	1794.4
10°	1709.7	1700.3	1716.0	1719.1	1709.7	1725.4	1734.8	1731.7	1741.1	1744.2	1744.2
12.5°	1690.9	1687.7	1675.2	1675.2	1672.0	1647.0	1647.0	1672.0	1672.0	1687.7	1690.9
15°	1690.9	1665.8	1650.1	1628.1	1606.2	1596.8	1584.2	1565.4	1571.7	1593.6	1599.9
17.5°	1687.7	1659.5	1612.4	1568.5	1552.8	1515.2	1502.6	1502.6	1499.5	1512.1	1515.2
20°	1700.3	1659.5	1587.3	1537.2	1452.5	1439.9	1414.8	1417.9	1421.1	1402.3	1392.9
22.5°	1734.8	1684.6	1568.5	1471.3	1405.4	1348.9	1301.9	1270.5	1267.4	1258.0	1267.4
25°	1788.1	1728.5	1571.7	1433.6	1327.0	1245.4	1214.0	1138.7	1104.2	1107.4	1126.2
27.5°	1885.4	1781.8	1587.3	1392.9	1264.2	1148.2	1047.8	1000.7	963.1	963.1	969.3
30°	1976.3	1863.4	1581.1	1358.3	1167.0	1022.7	894.1	818.8	806.2	793.7	790.5
32.5°	2145.7	1966.9	1643.8	1308.2	1076.0	862.7	734.1	630.5	640.0	643.1	649.4
35°	2315.1	2133.2	1656.4	1245.4	944.3	702.7	567.8	511.3	536.4	542.7	549.0
37.5°	2541.0	2340.2	1741.1	1188.9	809.4	539.6	451.7	426.6	451.7	451.7	454.9
40°	2663.4	2437.5	1810.1	1132.5	633.7	398.4	354.5	335.7	367.0	392.1	398.4
42.5°	2835.9	2563.0	1872.8	1019.5	448.6	298.0	272.9	310.6	360.8	385.9	389.0
45°	2923.7	2625.7	1850.9	869.0	294.9	241.6	266.6	313.7	363.9	389.0	392.1
47.5°	3042.9	2713.5	1806.9	693.3	235.3	238.4	269.8	323.1	373.3	395.3	398.4
50°	3159.0	2804.5	1694.0	552.1	225.9	238.4	276.1	326.3	370.2	385.9	382.7
52.5°	3224.9	2889.2	1549.7	420.4	225.9	241.6	282.3	332.5	367.0	370.2	370.2
55°	3284.5	2898.6	1430.5	326.3	222.7	244.7	288.6	338.8	370.2	370.2	363.9
57.5°	3322.1	2861.0	1339.5	282.3	222.7	244.7	288.6	338.8	385.9	395.3	385.9
60°	3306.5	2788.8	1276.8	263.5	216.5	241.6	285.5	348.2	473.7	495.7	476.8
62.5°	3268.8	2748.1	1141.9	241.6	207.0	232.1	279.2	376.4	508.2	511.3	495.7
65°	3234.3	2613.2	978.8	216.5	194.5	222.7	269.8	382.7	429.8	414.1	411.0
67.5°	3077.4	2437.5	746.6	191.4	175.7	210.2	260.4	351.3	382.7	363.9	357.6
70°	2854.7	2130.1	498.8	163.1	156.9	194.5	260.4	329.4	341.9	310.6	298.0
72.5°	2446.9	1763.0	272.9	131.8	131.8	178.8	235.3	307.4	316.8	279.2	257.2
75°	1992.0	1276.8	175.7	100.4	100.4	150.6	213.3	291.7	310.6	269.8	241.6
77.5°	1370.9	699.6	122.3	72.2	65.9	116.1	169.4	238.4	276.1	232.1	197.6
80°	464.3	185.1	78.4	47.1	40.8	65.9	112.9	185.1	251.0	238.4	213.3
82.5°	181.9	116.1	53.3	31.4	28.2	31.4	56.5	116.1	200.8	216.5	251.0
85°	53.3	31.4	18.8	15.7	15.7	15.7	15.7	47.1	119.2	156.9	197.6
87.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	28.2	50.2	65.9
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)