

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: P691969

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691969
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10182 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 79
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

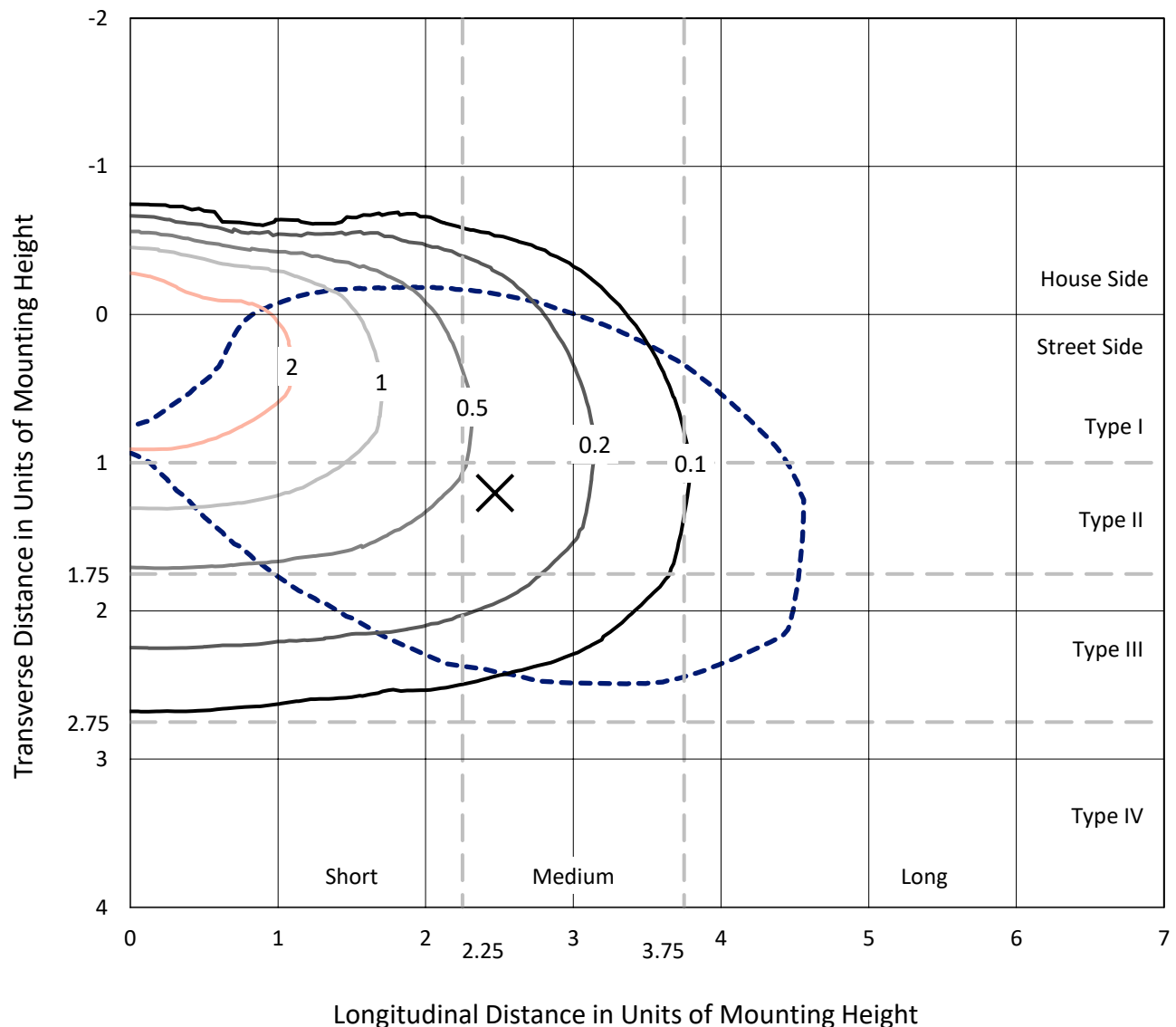


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

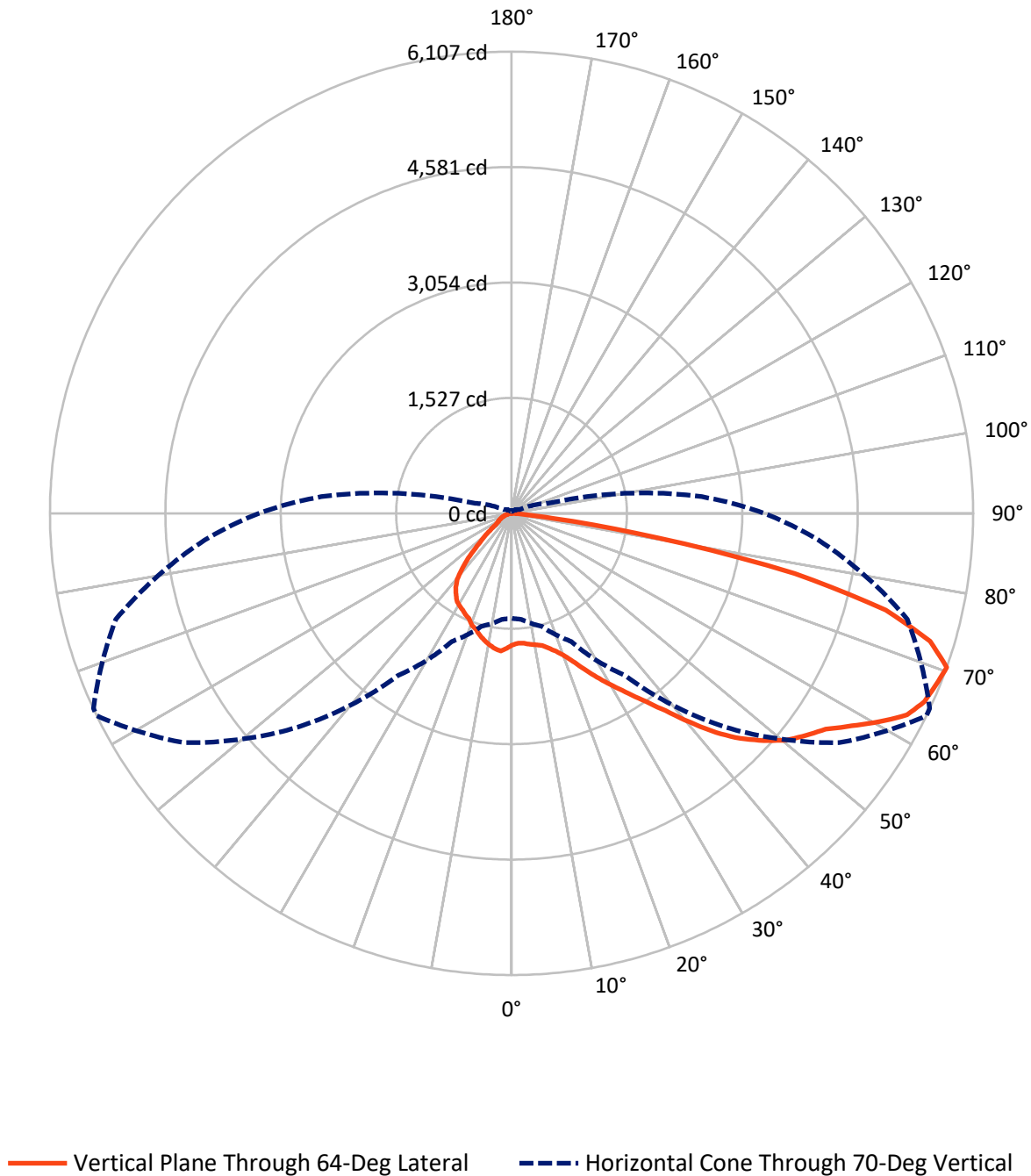


Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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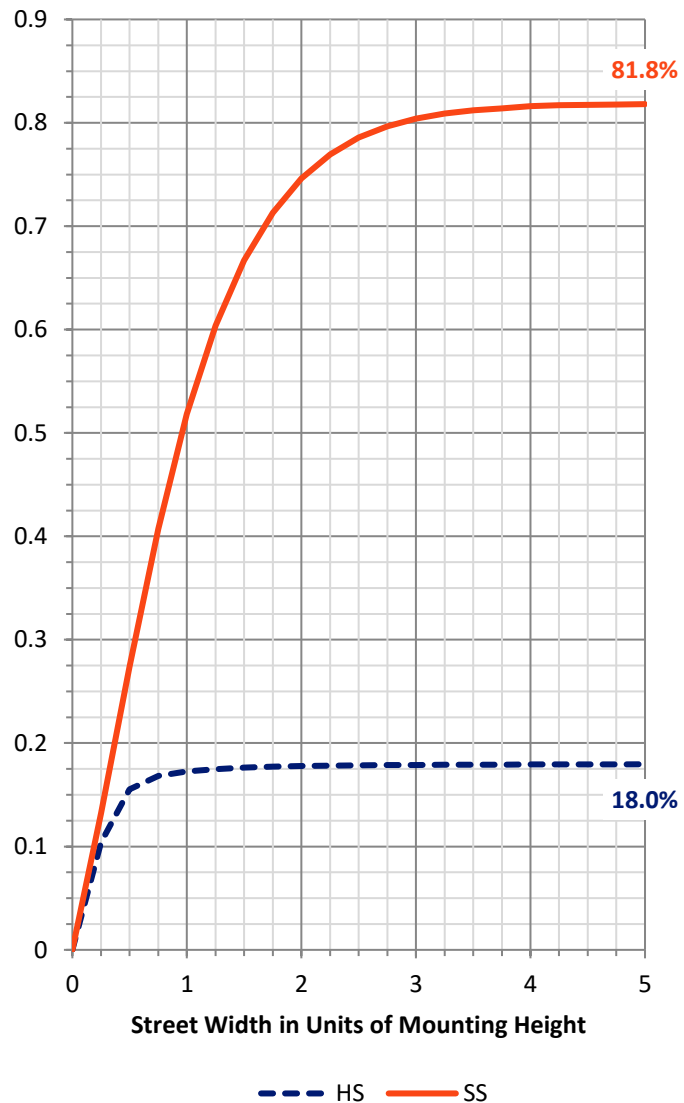
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1850.5	0.0	1850.5
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	8331.5	0.0	8331.5
	% Fixture	81.8	0.0	81.8
Total	Lumens	10182.0	0.0	10182.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	1.7
10°-20°	501.2	4.9
20°-30°	844.5	8.3
30°-40°	1242.9	12.2
40°-50°	1704.4	16.7
50°-60°	2073.8	20.4
60°-70°	2201.8	21.6
70°-80°	1349.7	13.3
80°-90°	94.2	0.9
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°	10182.0	100.0
0°-180°	10182.0	100.0

Coefficient of Utilization



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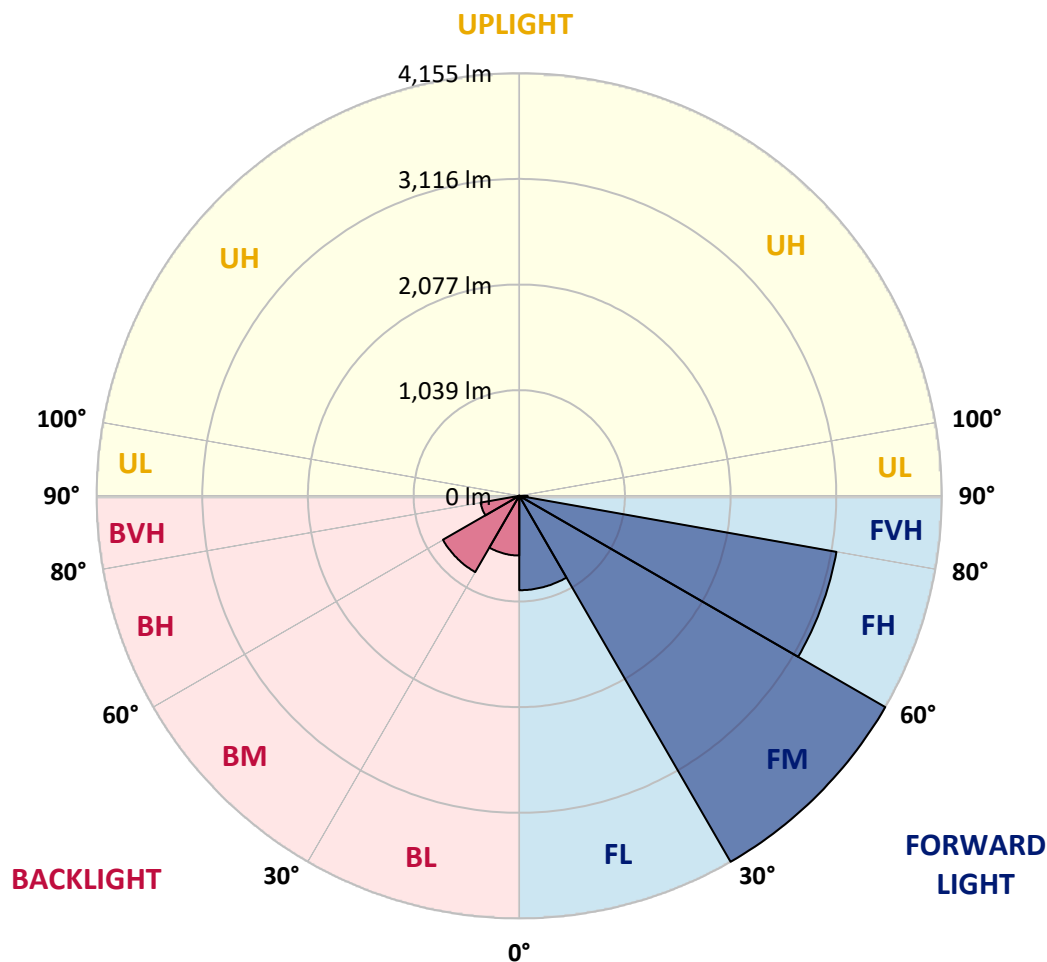
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	928.1	9.1			
FM	(30°-60°)	4155.0	40.8			
FH	(60°-80°)	3166.3	31.1			G2/5000
FVH	(80°-90°)	82.1	0.8			G1/100
BL	(0°-30°)	587.0	5.8	B2/1000		
BM	(30°-60°)	866.1	8.5	B1/1000		
BH	(60°-80°)	385.3	3.8	B1/500		G1/500
BVH	(80°-90°)	12.1	0.1			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°	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6
2.5°	1719.9	1719.9	1723.7	1719.9	1727.4	1716.2	1719.9	1719.9	1719.9	1723.7	1734.8
5°	1772.2	1772.2	1764.7	1753.5	1742.3	1727.4	1727.4	1727.4	1727.4	1734.8	1761.0
7.5°	1805.7	1802.0	1802.0	1802.0	1790.8	1761.0	1753.5	1749.8	1749.8	1749.8	1775.9
10°	1887.8	1876.6	1861.7	1839.3	1828.1	1802.0	1772.2	1768.4	1768.4	1772.2	1805.7
12.5°	1966.2	1955.0	1955.0	1940.0	1895.3	1865.4	1813.2	1794.5	1794.5	1802.0	1820.7
15°	2096.7	2085.5	2055.7	2029.6	1988.5	1936.3	1884.1	1850.5	1846.8	1861.7	1835.6
17.5°	2190.0	2171.4	2175.1	2134.1	2100.5	2025.9	1973.6	1921.4	1921.4	1936.3	1884.1
20°	2279.6	2279.6	2283.3	2279.6	2223.6	2163.9	2078.1	2014.7	2018.4	2022.1	1940.0
22.5°	2413.9	2410.1	2410.1	2413.9	2376.6	2309.4	2216.1	2145.2	2141.5	2111.7	2010.9
25°	2570.6	2563.1	2548.2	2563.1	2544.4	2466.1	2376.6	2305.7	2294.5	2253.4	2115.4
27.5°	2701.1	2701.1	2701.1	2708.6	2708.6	2652.6	2551.9	2477.3	2484.8	2428.8	2238.5
30°	2794.4	2794.4	2828.0	2842.9	2854.1	2835.5	2727.3	2648.9	2663.8	2596.7	2391.5
32.5°	2895.1	2891.4	2936.2	2969.8	2984.7	2992.1	2902.6	2839.2	2842.9	2783.2	2566.8
35°	2988.4	2981.0	3040.6	3111.5	3148.8	3141.4	3078.0	3055.6	3063.0	3044.4	2805.6
37.5°	3055.6	3066.8	3145.1	3238.4	3298.1	3313.0	3272.0	3313.0	3354.0	3380.2	3115.3
40°	3130.2	3130.2	3204.8	3305.5	3398.8	3454.8	3484.6	3633.9	3667.4	3686.1	3298.1
42.5°	3055.6	3081.7	3238.4	3383.9	3507.0	3592.8	3715.9	3965.9	4003.2	3887.6	3540.6
45°	2992.1	3014.5	3171.2	3417.5	3596.5	3764.4	3988.3	4249.4	4286.8	4089.0	3678.6
47.5°	2928.7	2954.8	3119.0	3391.3	3678.6	3954.7	4208.4	4492.0	4510.6	4264.4	3861.4
50°	2857.8	2884.0	3055.6	3357.8	3727.1	4159.9	4424.8	4715.8	4719.5	4417.3	3954.7
52.5°	2768.3	2801.9	2973.5	3309.3	3768.2	4297.9	4618.8	4880.0	4857.6	4603.9	4066.6
55°	2656.4	2693.7	2884.0	3245.8	3790.6	4387.5	4745.7	5040.4	5025.5	4820.3	4212.1
57.5°	2529.5	2570.6	2768.3	3148.8	3783.1	4432.3	4876.2	5305.3	5312.7	4999.3	4320.3
60°	2384.0	2421.3	2607.9	3022.0	3686.1	4514.3	5156.0	5596.3	5622.4	5197.1	4365.1
62.5°	2193.7	2227.3	2406.4	2835.5	3563.0	4574.0	5368.7	5872.4	5861.2	5331.4	4380.0
65°	1955.0	1992.3	2160.2	2589.2	3369.0	4536.7	5435.9	6002.9	6002.9	5428.4	4368.8
67.5°	1712.5	1746.0	1887.8	2275.8	3055.6	4350.2	5394.8	6055.2	6088.8	5491.8	4268.1
70°	1387.9	1406.5	1548.3	1869.2	2619.1	3999.5	5290.4	6107.4	6103.7	5420.9	4077.8
72.5°	1018.5	1040.9	1156.6	1402.8	2025.9	3462.2	4962.0	5790.3	5730.6	5040.4	3708.5
75°	526.1	548.4	638.0	880.5	1290.9	2443.7	4230.8	5115.0	5103.8	4462.1	3070.5
77.5°	70.9	70.9	82.1	145.5	298.5	973.8	2772.0	3831.6	3809.2	3402.5	2231.1
80°	48.5	48.5	56.0	67.2	85.8	212.7	977.5	1943.8	1977.4	1753.5	999.9
82.5°	37.3	33.6	41.0	48.5	52.2	97.0	298.5	537.2	544.7	488.7	305.9
85°	22.4	22.4	22.4	22.4	18.7	26.1	67.2	89.5	100.7	97.0	78.3
87.5°	11.2	11.2	11.2	7.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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°	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6
2.5°	1738.6	1749.8	1764.7	1783.3	1802.0	1816.9	1831.9	1839.3	1846.8	1850.5	1854.2
5°	1768.4	1783.3	1802.0	1828.1	1828.1	1816.9	1809.5	1809.5	1816.9	1828.1	1831.9
7.5°	1798.3	1813.2	1805.7	1802.0	1805.7	1790.8	1772.2	1761.0	1753.5	1753.5	1761.0
10°	1809.5	1794.5	1787.1	1768.4	1731.1	1723.7	1708.7	1678.9	1671.4	1678.9	1652.8
12.5°	1802.0	1790.8	1753.5	1723.7	1686.3	1622.9	1585.6	1585.6	1567.0	1563.2	1567.0
15°	1820.7	1783.3	1738.6	1675.2	1608.0	1555.8	1496.1	1443.8	1428.9	1432.6	1432.6
17.5°	1835.6	1798.3	1708.7	1611.7	1552.0	1458.8	1391.6	1361.8	1335.6	1331.9	1331.9
20°	1869.2	1816.9	1690.1	1585.6	1436.4	1365.5	1290.9	1253.6	1212.5	1156.6	1137.9
22.5°	1921.4	1850.5	1678.9	1514.7	1384.1	1272.2	1164.0	1052.1	984.9	940.2	951.4
25°	1992.3	1913.9	1690.1	1488.6	1305.8	1164.0	1022.3	869.3	768.6	738.7	757.4
27.5°	2119.1	1984.8	1723.7	1451.3	1249.8	1037.2	824.5	690.2	596.9	567.1	578.3
30°	2234.8	2093.0	1727.4	1428.9	1160.3	887.9	649.2	499.9	425.3	380.5	369.4
32.5°	2443.7	2208.7	1820.7	1399.1	1067.0	723.8	477.5	332.0	264.9	238.8	231.3
35°	2648.9	2413.9	1846.8	1343.1	895.4	537.2	294.7	197.7	160.4	141.8	138.0
37.5°	2932.5	2663.8	1955.0	1283.4	723.8	328.3	179.1	119.4	111.9	108.2	108.2
40°	3074.2	2794.4	2044.5	1197.6	507.4	186.5	115.7	104.5	100.7	97.0	97.0
42.5°	3275.7	2943.6	2119.1	1044.6	298.5	123.1	104.5	97.0	93.3	89.5	89.5
45°	3387.6	3022.0	2100.5	858.1	149.2	115.7	100.7	93.3	85.8	85.8	85.8
47.5°	3536.9	3137.7	2052.0	634.2	134.3	111.9	97.0	89.5	85.8	89.5	85.8
50°	3678.6	3249.6	1917.7	503.7	130.6	108.2	97.0	85.8	85.8	85.8	85.8
52.5°	3757.0	3354.0	1749.8	369.4	134.3	108.2	93.3	85.8	85.8	82.1	85.8
55°	3831.6	3369.0	1615.5	268.6	134.3	104.5	89.5	82.1	78.3	74.6	74.6
57.5°	3883.8	3335.4	1507.3	223.9	134.3	104.5	85.8	78.3	67.2	63.4	63.4
60°	3868.9	3253.3	1417.7	205.2	126.8	97.0	78.3	67.2	59.7	52.2	52.2
62.5°	3827.9	3204.8	1253.6	179.1	115.7	89.5	70.9	56.0	48.5	44.8	44.8
65°	3790.6	3051.8	1063.3	160.4	108.2	78.3	59.7	48.5	41.0	37.3	37.3
67.5°	3611.5	2850.4	790.9	138.0	97.0	70.9	52.2	44.8	37.3	33.6	29.8
70°	3346.6	2525.8	518.6	119.4	85.8	59.7	44.8	37.3	29.8	26.1	26.1
72.5°	2895.1	2085.5	268.6	97.0	70.9	52.2	41.0	33.6	26.1	22.4	22.4
75°	2350.4	1533.4	160.4	74.6	56.0	44.8	33.6	26.1	22.4	18.7	18.7
77.5°	1626.7	846.9	115.7	56.0	37.3	33.6	26.1	22.4	18.7	14.9	14.9
80°	548.4	231.3	82.1	41.0	26.1	26.1	18.7	14.9	14.9	11.2	11.2
82.5°	216.4	141.8	56.0	29.8	22.4	18.7	14.9	11.2	11.2	11.2	11.2
85°	59.7	41.0	22.4	14.9	11.2	11.2	11.2	7.5	7.5	7.5	7.5
87.5°	3.7	7.5	7.5	7.5	7.5	7.5	3.7	3.7	3.7	3.7	3.7
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)