

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: P690833

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T2-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7426 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 60
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



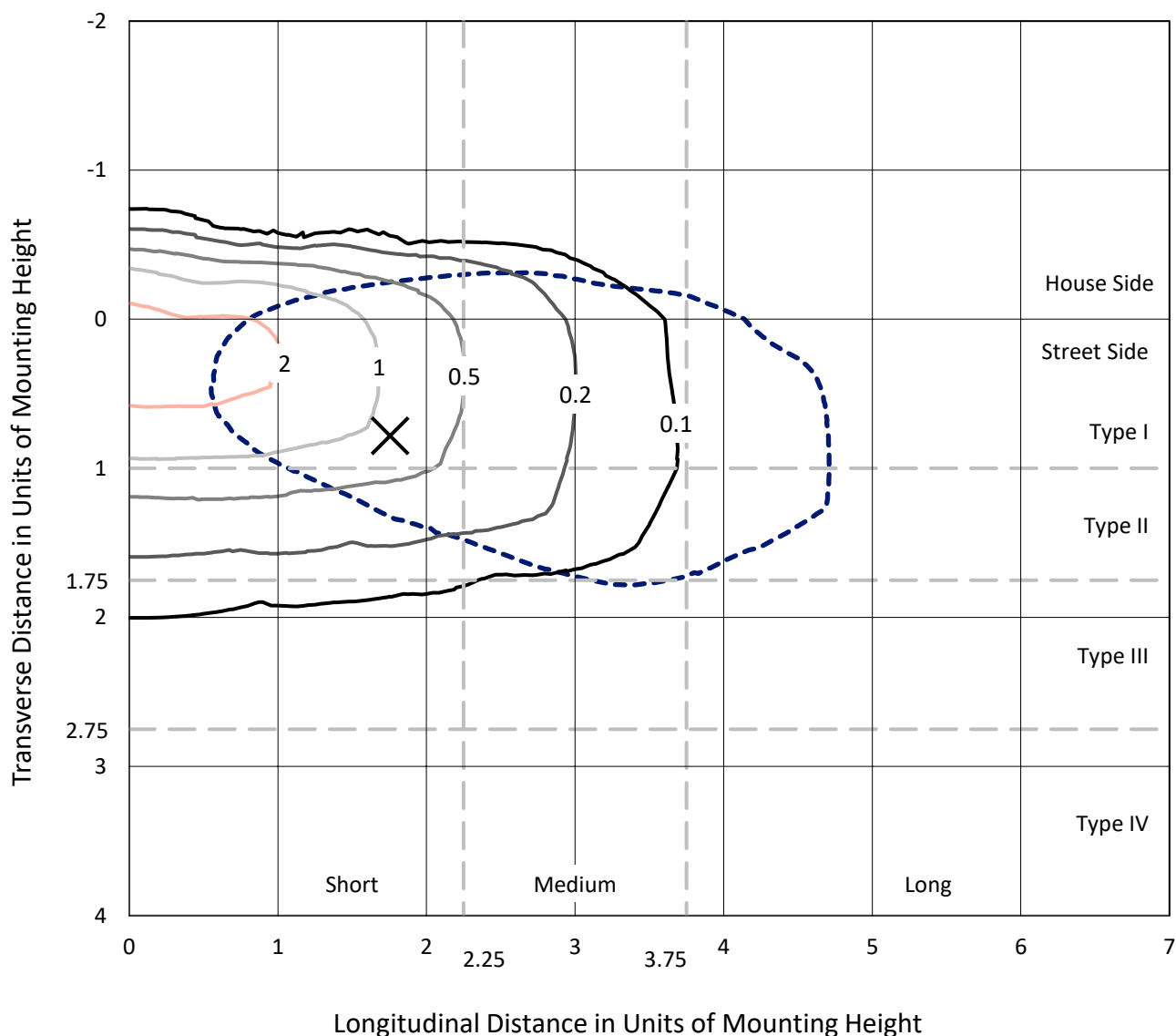
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



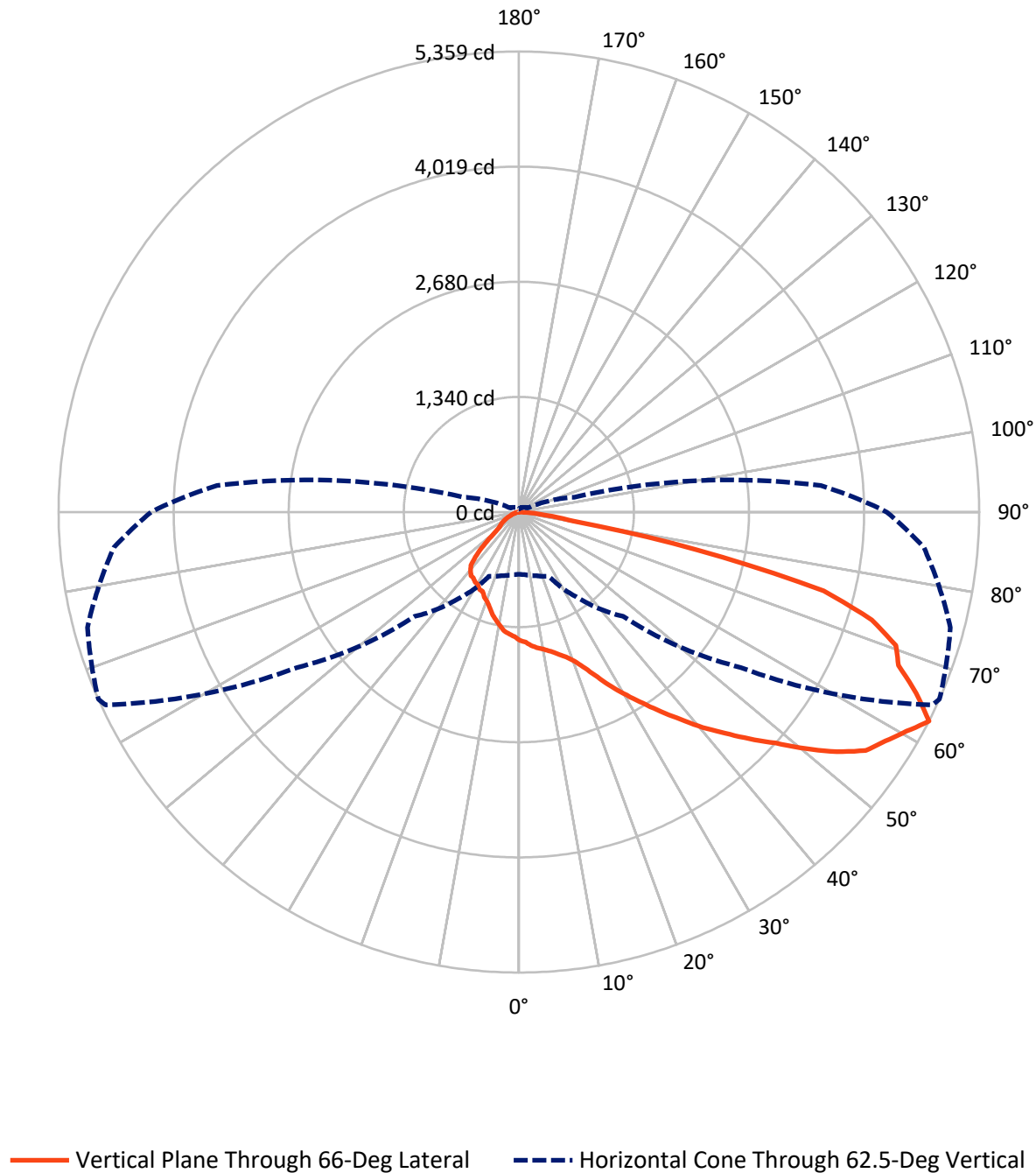
Based on 25 foot mounting height. Maximum calculated value = 2.7 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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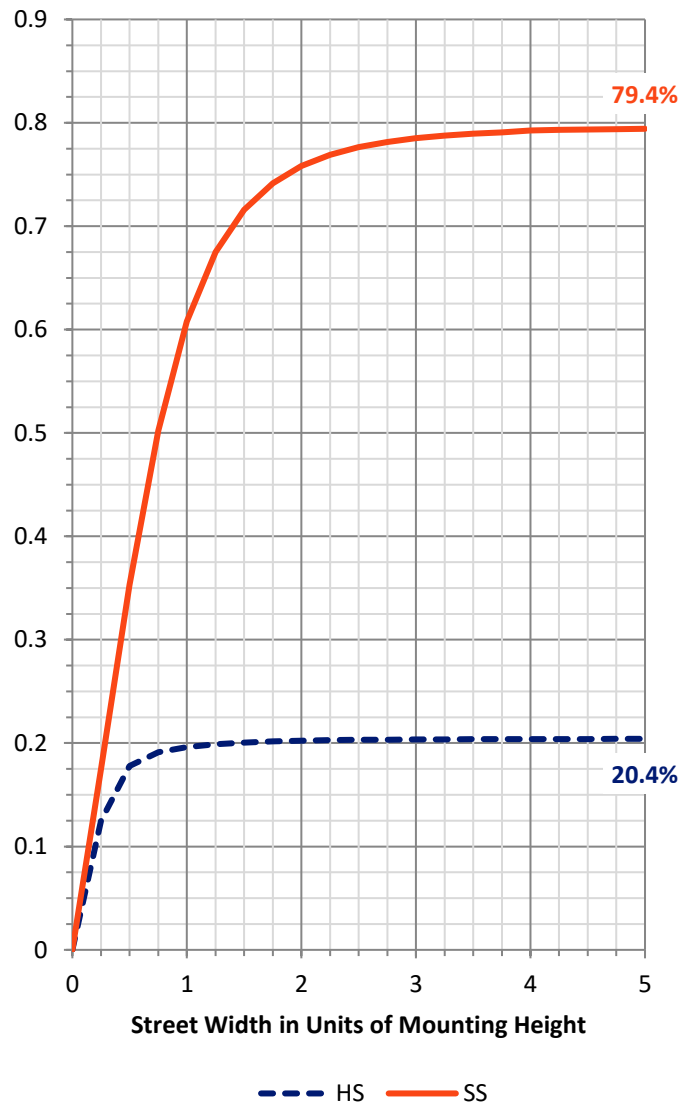
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1534.0	0.0	1534.0
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	5892.0	0.0	5892.0
	% Fixture	79.3	0.0	79.3
Total	Lumens	7426.0	0.0	7426.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	1.9
10°-20°	401.9	5.4
20°-30°	659.4	8.9
30°-40°	970.3	13.1
40°-50°	1279.7	17.2
50°-60°	1489.8	20.1
60°-70°	1480.4	19.9
70°-80°	915.8	12.3
80°-90°	87.6	1.2
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°	7426.0	100.0
0°-180°	7426.0	100.0

Coefficient of Utilization



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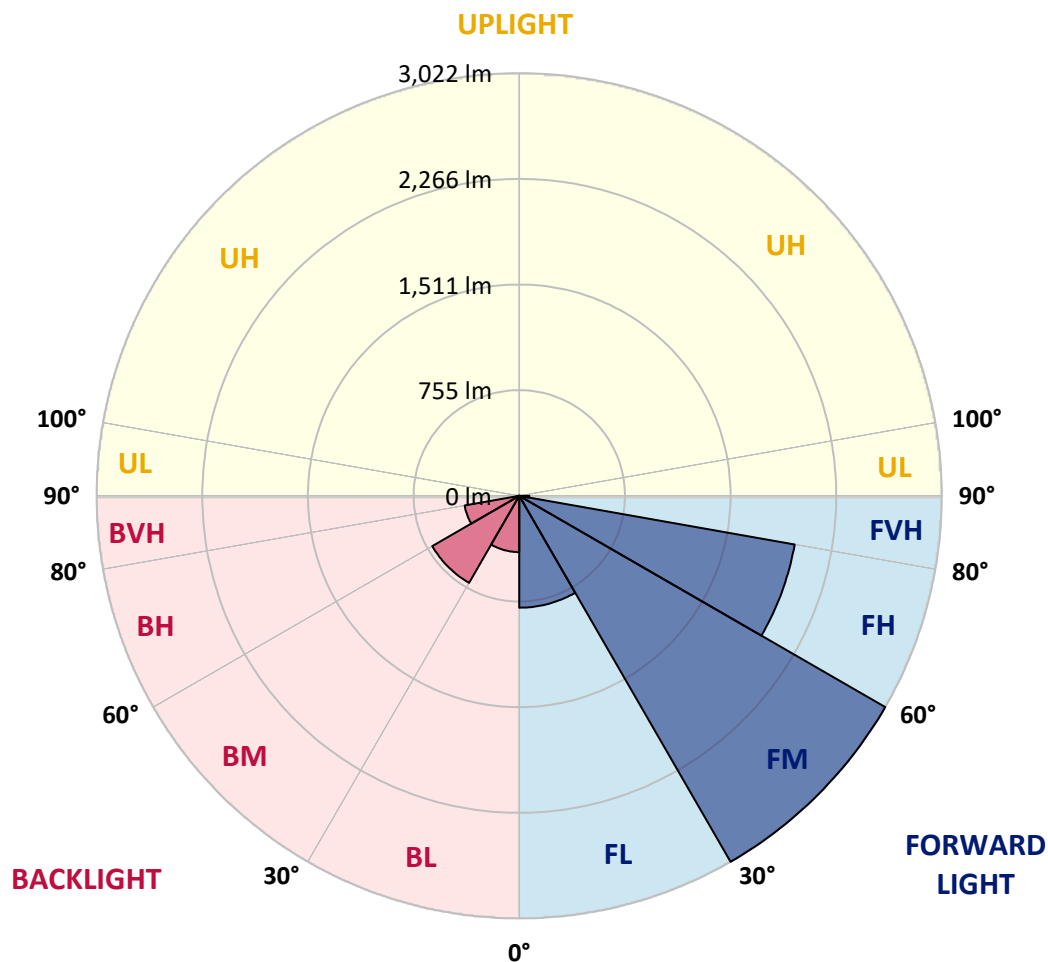
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	800.2	10.8			
FM	(30°-60°)	3021.6	40.7			
FH	(60°-80°)	1999.5	26.9			G2/5000
FVH	(80°-90°)	70.7	1.0			G1/100
BL	(0°-30°)	402.3	5.4	B1/500		
BM	(30°-60°)	718.3	9.7	B1/1000		
BH	(60°-80°)	396.6	5.3	B1/500		G1/500
BVH	(80°-90°)	16.8	0.2			G1/100
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°	66°	75°	85°
0°	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4
2.5°	1578.3	1578.3	1575.5	1555.9	1547.5	1536.3	1528.0	1519.6	1516.8	1508.4	1494.4
5°	1670.7	1667.9	1667.9	1651.1	1634.3	1611.9	1589.5	1567.1	1564.3	1541.9	1511.2
7.5°	1723.8	1723.8	1718.2	1707.1	1695.9	1681.9	1648.3	1600.7	1597.9	1567.1	1525.2
10°	1737.8	1740.6	1751.8	1723.8	1715.4	1701.5	1684.7	1634.3	1625.9	1581.1	1514.0
12.5°	1788.2	1788.2	1785.4	1760.2	1751.8	1740.6	1712.6	1673.5	1665.1	1609.1	1516.8
15°	1849.8	1852.6	1844.2	1821.8	1810.6	1796.6	1760.2	1718.2	1715.4	1642.7	1539.1
17.5°	1880.6	1880.6	1886.2	1855.4	1858.2	1852.6	1835.8	1777.0	1774.2	1707.1	1578.3
20°	1891.7	1894.5	1897.3	1897.3	1900.1	1894.5	1911.3	1861.0	1852.6	1777.0	1631.5
22.5°	1942.1	1947.7	1961.7	1953.3	1967.3	1975.7	1981.3	1984.1	1972.9	1894.5	1721.0
25°	1964.5	1978.5	1998.1	2028.9	2051.3	2068.1	2110.0	2129.6	2126.8	2059.7	1869.4
27.5°	1930.9	1947.7	2014.9	2068.1	2146.4	2191.2	2269.5	2294.7	2303.1	2241.6	2028.9
30°	1975.7	1981.3	2012.1	2079.2	2177.2	2311.5	2417.9	2473.8	2473.8	2426.3	2185.6
32.5°	1905.7	1922.5	2012.1	2135.2	2286.3	2431.8	2532.6	2652.9	2652.9	2630.5	2409.5
35°	1897.3	1905.7	1958.9	2096.0	2289.1	2555.0	2689.3	2832.0	2851.6	2854.4	2630.5
37.5°	1819.0	1835.8	1930.9	2107.2	2373.1	2630.5	2818.0	3039.1	3061.5	3092.3	2815.2
40°	1732.2	1737.8	1821.8	2006.5	2353.5	2728.5	2941.2	3271.4	3296.6	3338.5	3061.5
42.5°	1603.5	1625.9	1765.8	1967.3	2345.1	2759.3	3078.3	3489.7	3517.6	3576.4	3265.8
45°	1488.8	1497.2	1600.7	1824.6	2252.7	2804.0	3184.6	3747.1	3763.9	3800.3	3436.5
47.5°	1396.4	1402.0	1505.6	1698.7	2166.0	2792.8	3288.2	3979.4	4018.6	4074.5	3638.0
50°	1119.4	1150.2	1407.6	1595.1	2014.9	2773.3	3369.3	4270.4	4329.2	4351.6	3870.3
52.5°	954.3	959.9	1094.2	1491.6	1858.2	2689.3	3447.7	4567.1	4634.2	4572.7	4150.1
55°	884.3	889.9	951.5	1284.5	1726.6	2527.0	3506.5	4852.5	4900.1	4749.0	4360.0
57.5°	839.5	850.7	878.7	1043.8	1569.9	2255.5	3517.6	5009.2	5028.8	4888.9	4466.3
60°	778.0	778.0	833.9	912.3	1399.2	1964.5	3425.3	5087.6	5182.7	5048.4	4662.2
62.5°	724.8	730.4	766.8	825.5	1231.3	1718.2	3153.8	5311.5	5359.0	5199.5	4732.2
65°	663.2	668.8	702.4	761.2	1119.4	1581.1	3008.3	5221.9	5082.0	5160.3	4818.9
67.5°	593.3	596.1	629.7	682.8	940.3	1458.0	2658.5	4880.5	4765.8	4975.6	4578.3
70°	523.3	523.3	551.3	593.3	766.8	1278.9	2196.8	4569.9	4656.6	4667.8	4340.4
72.5°	436.6	439.4	467.3	503.7	615.7	1069.0	1737.8	4259.2	4298.4	4150.1	3817.1
75°	313.4	324.6	355.4	391.8	486.9	847.9	1234.1	3461.7	3666.0	3929.0	3279.8
77.5°	47.6	47.6	58.8	89.6	159.5	425.4	570.9	1911.3	2121.2	3288.2	2865.6
80°	39.2	39.2	42.0	58.8	92.3	237.9	184.7	598.9	643.6	1511.2	1614.7
82.5°	19.6	19.6	30.8	42.0	56.0	70.0	78.4	288.2	333.0	514.9	643.6
85°	11.2	11.2	14.0	19.6	22.4	22.4	25.2	137.1	142.7	279.8	291.0
87.5°	2.8	2.8	5.6	5.6	5.6	2.8	2.8	2.8	2.8	2.8	2.8
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°	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4	1494.4
2.5°	1488.8	1480.4	1463.6	1449.6	1441.2	1424.4	1410.4	1399.2	1393.6	1407.6	1410.4
5°	1491.6	1472.0	1441.2	1421.6	1399.2	1371.2	1337.7	1318.1	1309.7	1312.5	1320.9
7.5°	1497.2	1469.2	1432.8	1390.8	1332.1	1276.1	1236.9	1214.5	1203.3	1217.3	1217.3
10°	1480.4	1449.6	1399.2	1334.9	1259.3	1203.3	1158.6	1119.4	1105.4	1111.0	1113.8
12.5°	1480.4	1438.4	1354.4	1276.1	1206.1	1113.8	1046.6	1010.2	996.2	999.0	1004.6
15°	1488.8	1432.8	1315.3	1220.1	1116.6	1018.6	959.9	915.1	901.1	887.1	892.7
17.5°	1516.8	1424.4	1295.7	1144.6	1029.8	937.5	856.3	806.0	794.8	794.8	797.6
20°	1544.7	1435.6	1262.1	1088.6	951.5	836.7	752.8	716.4	691.2	680.0	691.2
22.5°	1603.5	1474.8	1239.7	1052.2	870.3	761.2	682.8	601.7	556.9	537.3	542.9
25°	1709.9	1544.7	1256.5	987.9	825.5	691.2	582.1	484.1	422.6	403.0	408.6
27.5°	1875.0	1659.5	1276.1	982.3	744.4	621.3	472.9	366.6	319.0	299.4	305.0
30°	2037.3	1816.2	1340.5	926.3	713.6	509.3	358.2	282.6	235.1	215.5	221.1
32.5°	2177.2	1967.3	1421.6	912.3	632.4	383.4	268.7	209.9	173.5	156.7	159.5
35°	2384.3	2096.0	1491.6	870.3	537.3	288.2	195.9	151.1	131.5	125.9	125.9
37.5°	2569.0	2247.2	1558.7	856.3	403.0	215.5	139.9	123.1	120.3	111.9	111.9
40°	2762.1	2406.7	1589.5	806.0	293.8	151.1	114.7	114.7	111.9	103.5	103.5
42.5°	2988.7	2569.0	1617.5	747.2	209.9	114.7	106.3	109.1	106.3	97.9	95.1
45°	3151.1	2669.7	1625.9	598.9	145.5	109.1	100.7	103.5	100.7	95.1	92.3
47.5°	3299.4	2815.2	1589.5	419.8	117.5	103.5	97.9	97.9	97.9	89.6	86.8
50°	3453.3	2935.6	1558.7	226.7	114.7	100.7	92.3	89.6	92.3	86.8	84.0
52.5°	3657.6	3027.9	1477.6	153.9	111.9	97.9	89.6	84.0	86.8	81.2	84.0
55°	3929.0	3271.4	1329.3	145.5	111.9	95.1	86.8	78.4	78.4	75.6	75.6
57.5°	4052.1	3363.7	1091.4	139.9	109.1	95.1	81.2	72.8	67.2	64.4	61.6
60°	4203.3	3498.1	842.3	128.7	100.7	89.6	72.8	64.4	56.0	53.2	53.2
62.5°	4281.6	3528.8	666.0	114.7	92.3	78.4	64.4	53.2	44.8	39.2	39.2
65°	4326.4	3512.0	464.5	103.5	81.2	70.0	56.0	44.8	33.6	30.8	28.0
67.5°	4175.3	3411.3	271.4	89.6	70.0	61.6	47.6	36.4	28.0	25.2	22.4
70°	3873.0	3103.5	170.7	78.4	61.6	53.2	42.0	30.8	22.4	19.6	19.6
72.5°	3548.4	2501.8	117.5	61.6	47.6	42.0	30.8	25.2	19.6	14.0	14.0
75°	3193.0	2171.6	86.8	44.8	33.6	30.8	25.2	19.6	16.8	11.2	11.2
77.5°	2263.9	1438.4	70.0	33.6	22.4	19.6	16.8	14.0	11.2	11.2	8.4
80°	1337.7	702.4	53.2	22.4	16.8	14.0	11.2	11.2	8.4	8.4	8.4
82.5°	500.9	268.7	36.4	16.8	11.2	11.2	8.4	8.4	5.6	5.6	5.6
85°	181.9	67.2	16.8	8.4	8.4	5.6	5.6	5.6	5.6	5.6	5.6
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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)