

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: P690925

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690925
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-D-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: 7431 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 61
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

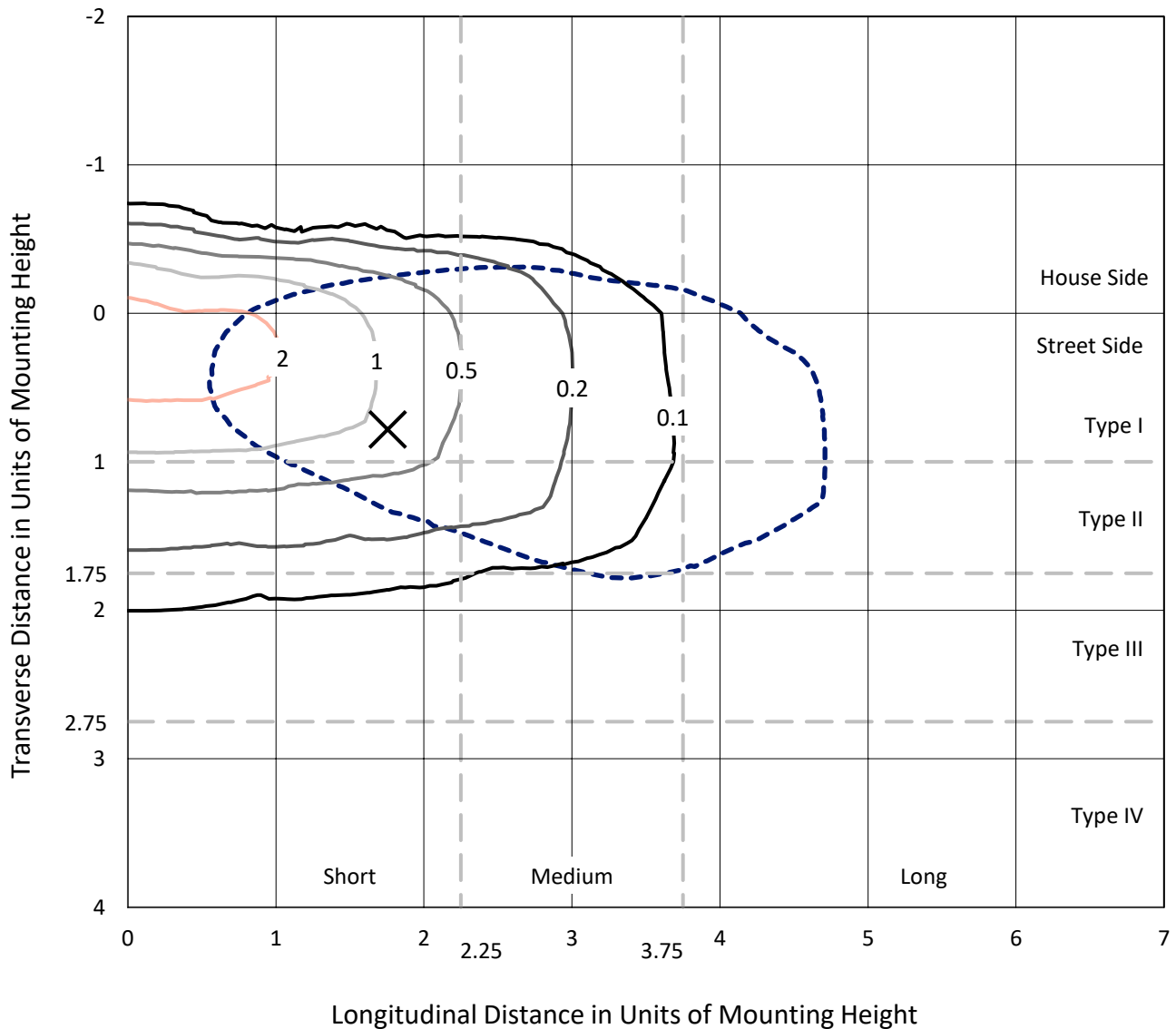


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

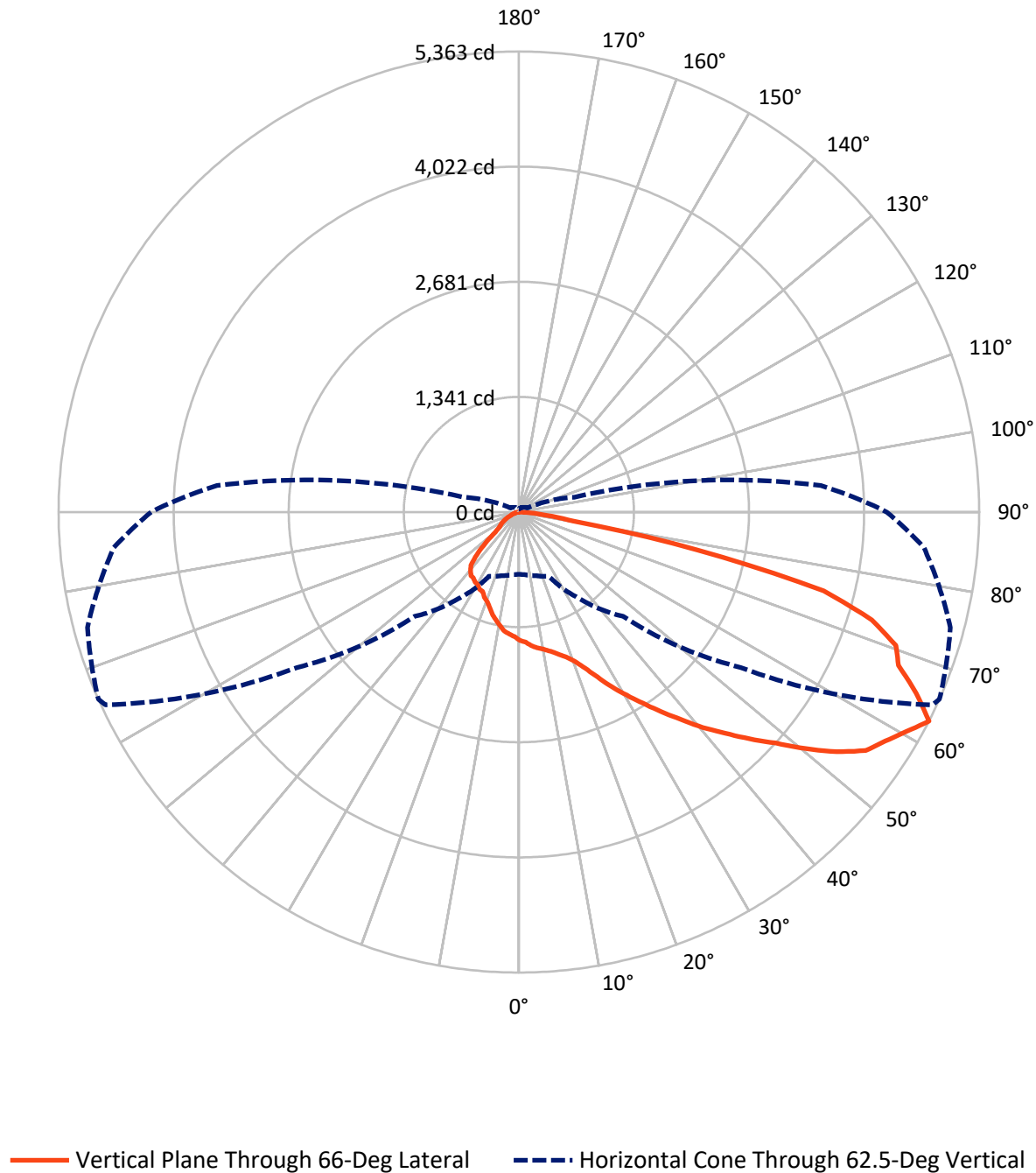


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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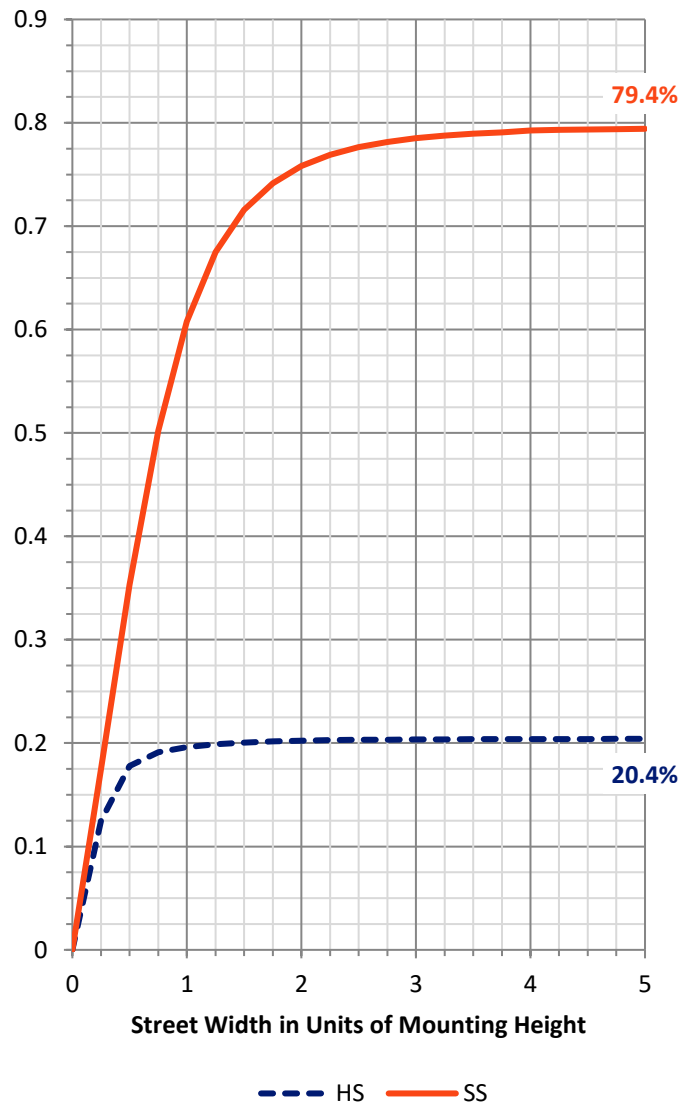
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1535.1	0.0	1535.1
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	5895.9	0.0	5895.9
	% Fixture	79.3	0.0	79.3
Total	Lumens	7431.0	0.0	7431.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	1.9
10°-20°	402.2	5.4
20°-30°	659.9	8.9
30°-40°	971.0	13.1
40°-50°	1280.6	17.2
50°-60°	1490.7	20.1
60°-70°	1481.4	19.9
70°-80°	916.4	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°	7431.0	100.0
0°-180°	7431.0	100.0

Coefficient of Utilization



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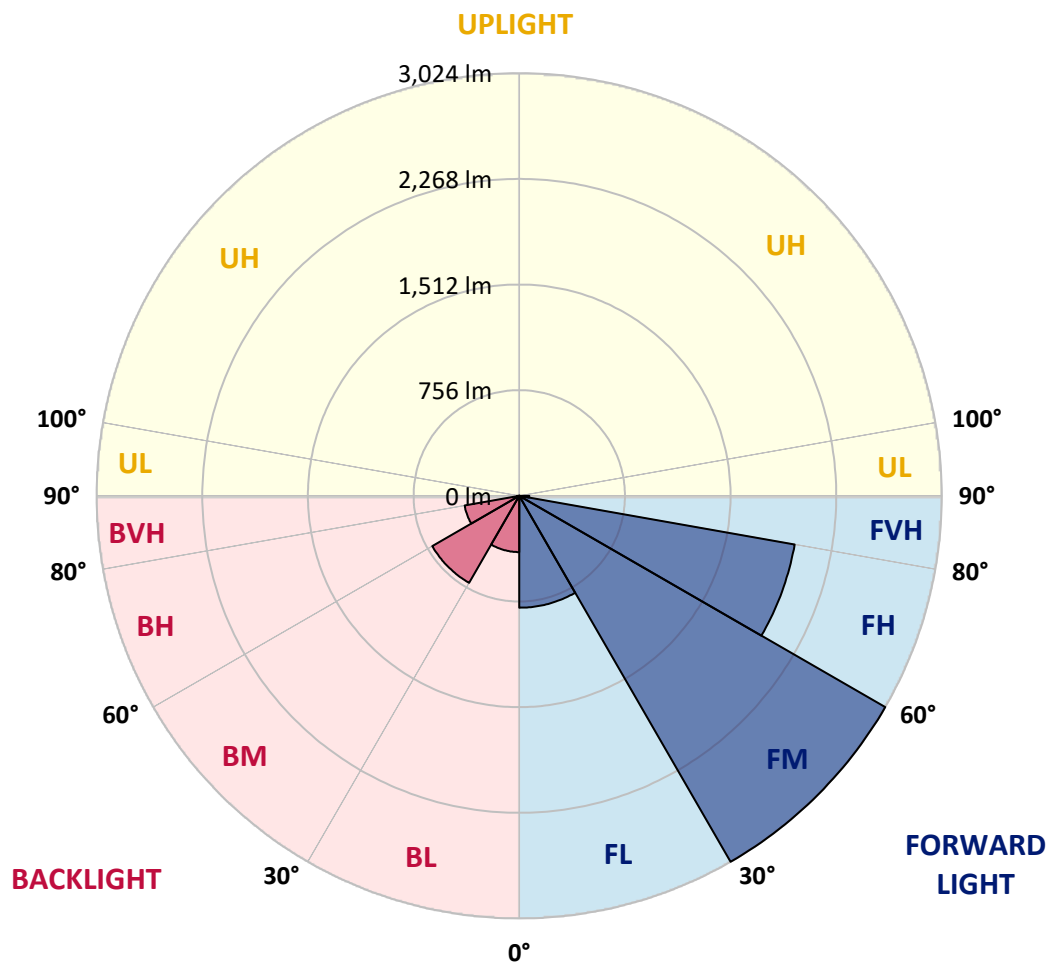
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	800.7	10.8			
FM	(30°-60°)	3023.6	40.7			
FH	(60°-80°)	2000.9	26.9			G2/5000
FVH	(80°-90°)	70.8	1.0			G1/100
BL	(0°-30°)	402.6	5.4	B1/500		
BM	(30°-60°)	718.8	9.7	B1/1000		
BH	(60°-80°)	396.8	5.3	B1/500		G1/500
BVH	(80°-90°)	16.9	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°	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4
2.5°	1579.4	1579.4	1576.6	1557.0	1548.6	1537.4	1529.0	1520.6	1517.8	1509.4	1495.4
5°	1671.8	1669.0	1669.0	1652.2	1635.4	1613.0	1590.6	1568.2	1565.4	1543.0	1512.2
7.5°	1725.0	1725.0	1719.4	1708.2	1697.0	1683.0	1649.4	1601.8	1599.0	1568.2	1526.2
10°	1739.0	1741.8	1753.0	1725.0	1716.6	1702.6	1685.8	1635.4	1627.0	1582.2	1515.0
12.5°	1789.4	1789.4	1786.6	1761.4	1753.0	1741.8	1713.8	1674.6	1666.2	1610.2	1517.8
15°	1851.0	1853.8	1845.4	1823.0	1811.8	1797.8	1761.4	1719.4	1716.6	1643.8	1540.2
17.5°	1881.8	1881.8	1887.4	1856.6	1859.4	1853.8	1837.0	1778.2	1775.4	1708.2	1579.4
20°	1893.0	1895.8	1898.6	1898.6	1901.4	1895.8	1912.6	1862.2	1853.8	1778.2	1632.6
22.5°	1943.4	1949.0	1963.0	1954.6	1968.6	1977.0	1982.6	1985.4	1974.2	1895.8	1722.2
25°	1965.8	1979.8	1999.4	2030.2	2052.6	2069.4	2111.4	2131.1	2128.3	2061.0	1870.6
27.5°	1932.2	1949.0	2016.2	2069.4	2147.9	2192.7	2271.1	2296.3	2304.7	2243.1	2030.2
30°	1977.0	1982.6	2013.4	2080.6	2178.7	2313.1	2419.5	2475.5	2475.5	2427.9	2187.1
32.5°	1907.0	1923.8	2013.4	2136.7	2287.9	2433.5	2534.3	2654.7	2654.7	2632.3	2411.1
35°	1898.6	1907.0	1960.2	2097.4	2290.7	2556.7	2691.1	2833.9	2853.5	2856.3	2632.3
37.5°	1820.2	1837.0	1932.2	2108.6	2374.7	2632.3	2819.9	3041.2	3063.6	3094.4	2817.1
40°	1733.4	1739.0	1823.0	2007.8	2355.1	2730.3	2943.1	3273.6	3298.8	3340.8	3063.6
42.5°	1604.6	1627.0	1767.0	1968.6	2346.7	2761.1	3080.4	3492.0	3520.0	3578.8	3268.0
45°	1489.8	1498.2	1601.8	1825.8	2254.3	2805.9	3186.8	3749.6	3766.4	3802.8	3438.8
47.5°	1397.4	1403.0	1506.6	1699.8	2167.5	2794.7	3290.4	3982.1	4021.3	4077.3	3640.4
50°	1120.1	1150.9	1408.6	1596.2	2016.2	2775.1	3371.6	4273.3	4332.1	4354.5	3872.9
52.5°	954.9	960.5	1094.9	1492.6	1859.4	2691.1	3450.0	4570.1	4637.3	4575.7	4152.9
55°	884.9	890.5	952.1	1285.4	1727.8	2528.7	3508.8	4855.8	4903.4	4752.2	4362.9
57.5°	840.1	851.3	879.3	1044.5	1571.0	2257.1	3520.0	5012.6	5032.2	4892.2	4469.3
60°	778.5	778.5	834.5	912.9	1400.2	1965.8	3427.6	5091.0	5186.2	5051.8	4665.4
62.5°	725.3	730.9	767.3	826.1	1232.1	1719.4	3156.0	5315.0	5362.6	5203.0	4735.4
65°	663.7	669.3	702.9	761.7	1120.1	1582.2	3010.4	5225.4	5085.4	5163.8	4822.2
67.5°	593.7	596.5	630.1	683.3	940.9	1459.0	2660.3	4883.8	4769.0	4979.0	4581.3
70°	523.7	523.7	551.7	593.7	767.3	1279.8	2198.3	4572.9	4659.7	4671.0	4343.3
72.5°	436.9	439.7	467.7	504.1	616.1	1069.7	1739.0	4262.1	4301.3	4152.9	3819.7
75°	313.6	324.8	355.6	392.0	487.3	848.5	1234.9	3464.0	3668.4	3931.7	3282.0
77.5°	47.6	47.6	58.8	89.6	159.6	425.7	571.3	1912.6	2122.7	3290.4	2867.5
80°	39.2	39.2	42.0	58.8	92.4	238.0	184.8	599.3	644.1	1512.2	1615.8
82.5°	19.6	19.6	30.8	42.0	56.0	70.0	78.4	288.4	333.2	515.3	644.1
85°	11.2	11.2	14.0	19.6	22.4	22.4	25.2	137.2	142.8	280.0	291.2
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°	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4	1495.4
2.5°	1489.8	1481.4	1464.6	1450.6	1442.2	1425.4	1411.4	1400.2	1394.6	1408.6	1411.4
5°	1492.6	1473.0	1442.2	1422.6	1400.2	1372.2	1338.6	1319.0	1310.6	1313.4	1321.8
7.5°	1498.2	1470.2	1433.8	1391.8	1333.0	1277.0	1237.7	1215.3	1204.1	1218.1	1218.1
10°	1481.4	1450.6	1400.2	1335.8	1260.1	1204.1	1159.3	1120.1	1106.1	1111.7	1114.5
12.5°	1481.4	1439.4	1355.4	1277.0	1206.9	1114.5	1047.3	1010.9	996.9	999.7	1005.3
15°	1489.8	1433.8	1316.2	1220.9	1117.3	1019.3	960.5	915.7	901.7	887.7	893.3
17.5°	1517.8	1425.4	1296.6	1145.3	1030.5	938.1	856.9	806.5	795.3	795.3	798.1
20°	1545.8	1436.6	1262.9	1089.3	952.1	837.3	753.3	716.9	691.7	680.5	691.7
22.5°	1604.6	1475.8	1240.5	1052.9	870.9	761.7	683.3	602.1	557.3	537.7	543.3
25°	1711.0	1545.8	1257.3	988.5	826.1	691.7	582.5	484.5	422.8	403.2	408.8
27.5°	1876.2	1660.6	1277.0	982.9	744.9	621.7	473.3	366.8	319.2	299.6	305.2
30°	2038.6	1817.4	1341.4	926.9	714.1	509.7	358.4	282.8	235.2	215.6	221.2
32.5°	2178.7	1968.6	1422.6	912.9	632.9	383.6	268.8	210.0	173.6	156.8	159.6
35°	2385.9	2097.4	1492.6	870.9	537.7	288.4	196.0	151.2	131.6	126.0	126.0
37.5°	2570.7	2248.7	1559.8	856.9	403.2	215.6	140.0	123.2	120.4	112.0	112.0
40°	2763.9	2408.3	1590.6	806.5	294.0	151.2	114.8	114.8	112.0	103.6	103.6
42.5°	2990.8	2570.7	1618.6	747.7	210.0	114.8	106.4	109.2	106.4	98.0	95.2
45°	3153.2	2671.5	1627.0	599.3	145.6	109.2	100.8	103.6	100.8	95.2	92.4
47.5°	3301.6	2817.1	1590.6	420.0	117.6	103.6	98.0	98.0	98.0	89.6	86.8
50°	3455.6	2937.5	1559.8	226.8	114.8	100.8	92.4	89.6	92.4	86.8	84.0
52.5°	3660.0	3030.0	1478.6	154.0	112.0	98.0	89.6	84.0	86.8	81.2	84.0
55°	3931.7	3273.6	1330.2	145.6	112.0	95.2	86.8	78.4	78.4	75.6	75.6
57.5°	4054.9	3366.0	1092.1	140.0	109.2	95.2	81.2	72.8	67.2	64.4	61.6
60°	4206.1	3500.4	842.9	128.8	100.8	89.6	72.8	64.4	56.0	53.2	53.2
62.5°	4284.5	3531.2	666.5	114.8	92.4	78.4	64.4	53.2	44.8	39.2	39.2
65°	4329.3	3514.4	464.9	103.6	81.2	70.0	56.0	44.8	33.6	30.8	28.0
67.5°	4178.1	3413.6	271.6	89.6	70.0	61.6	47.6	36.4	28.0	25.2	22.4
70°	3875.7	3105.6	170.8	78.4	61.6	53.2	42.0	30.8	22.4	19.6	19.6
72.5°	3550.8	2503.5	117.6	61.6	47.6	42.0	30.8	25.2	19.6	14.0	14.0
75°	3195.2	2173.1	86.8	44.8	33.6	30.8	25.2	19.6	16.8	11.2	11.2
77.5°	2265.5	1439.4	70.0	33.6	22.4	19.6	16.8	14.0	11.2	11.2	8.4
80°	1338.6	702.9	53.2	22.4	16.8	14.0	11.2	11.2	8.4	8.4	8.4
82.5°	501.3	268.8	36.4	16.8	11.2	11.2	8.4	8.4	5.6	5.6	5.6
85°	182.0	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)