

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: P691570

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691570
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-C018-5TLD-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: 7448 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

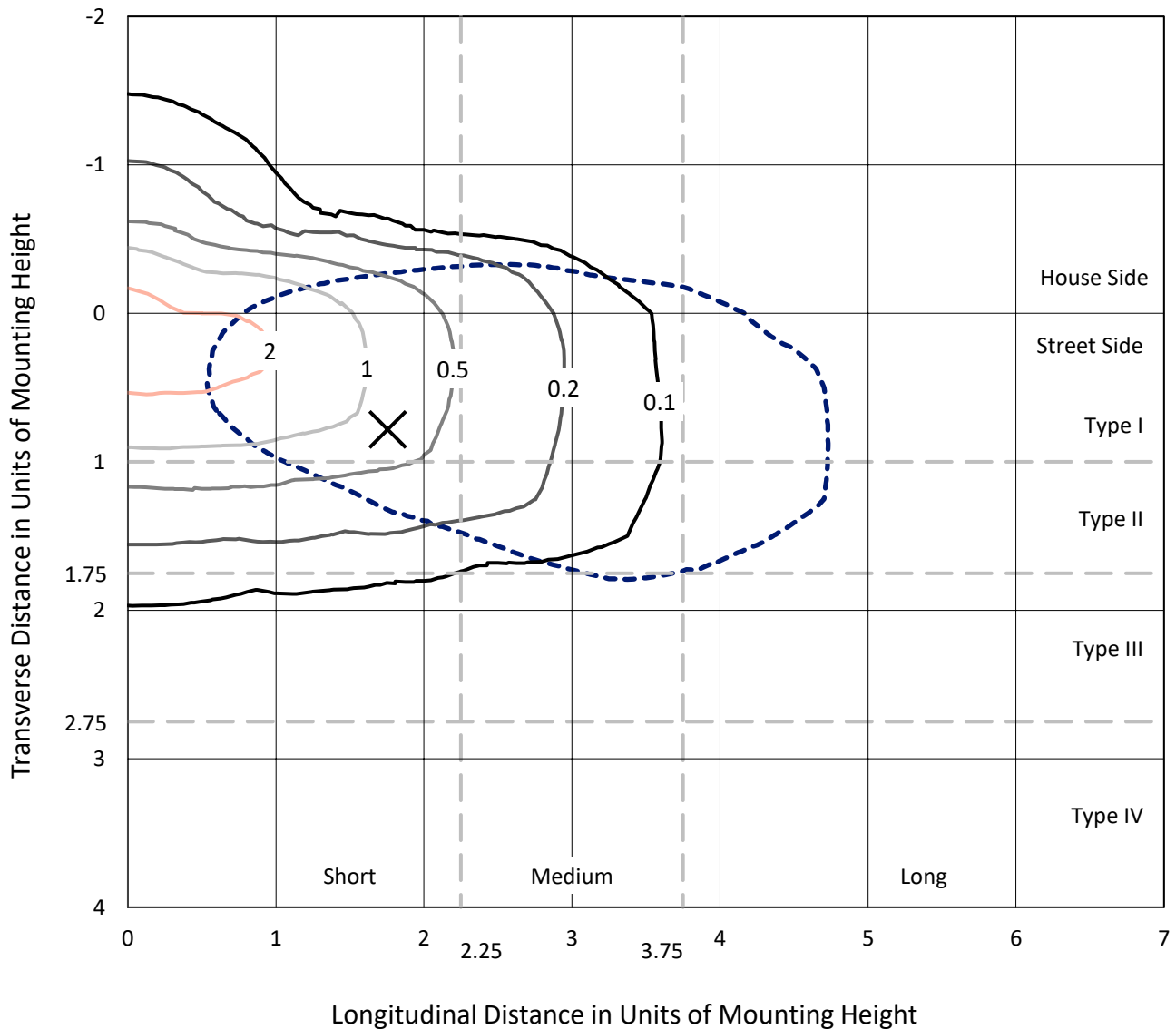
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

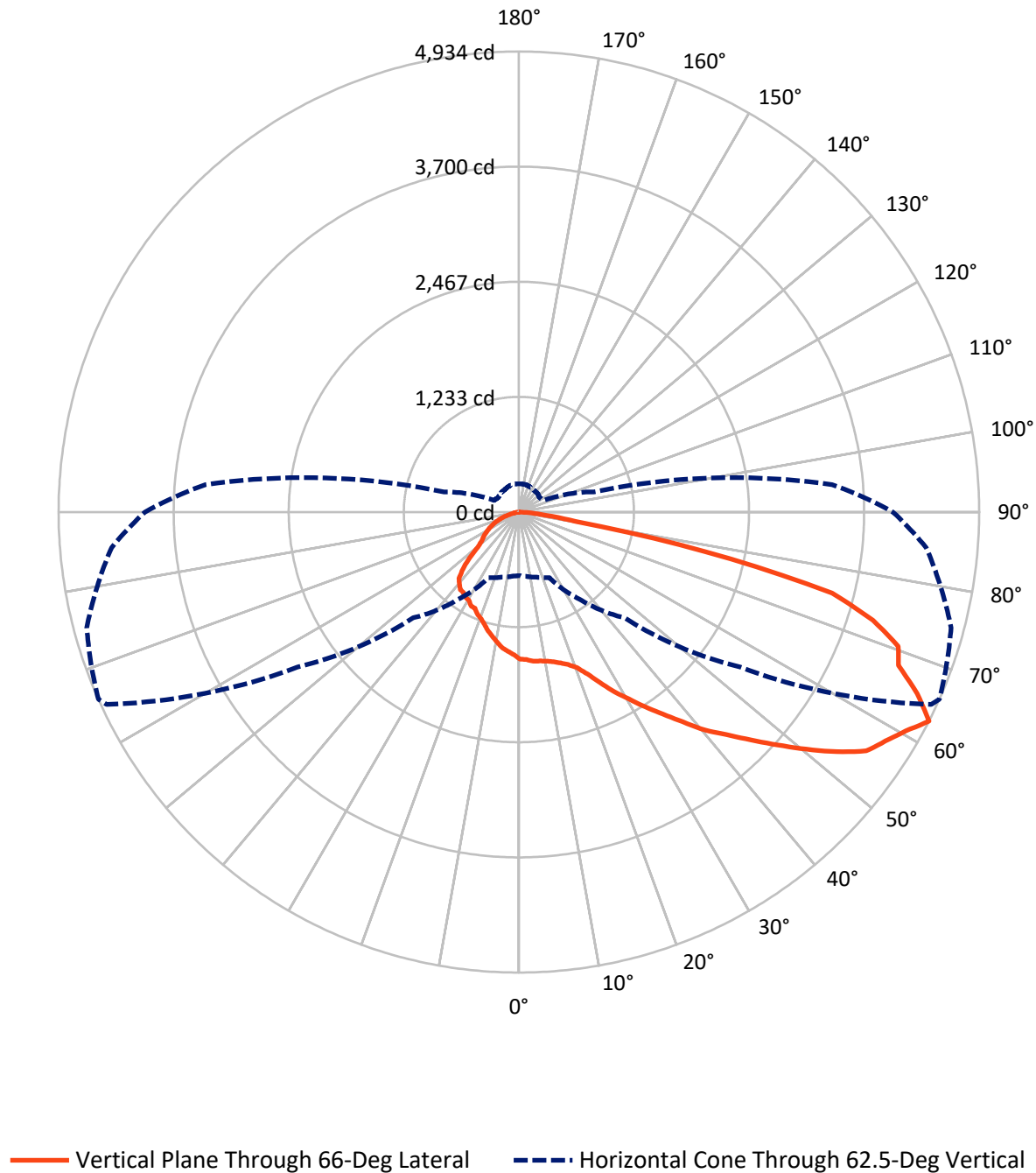
× Max cd
- - - 1/2 Max cd



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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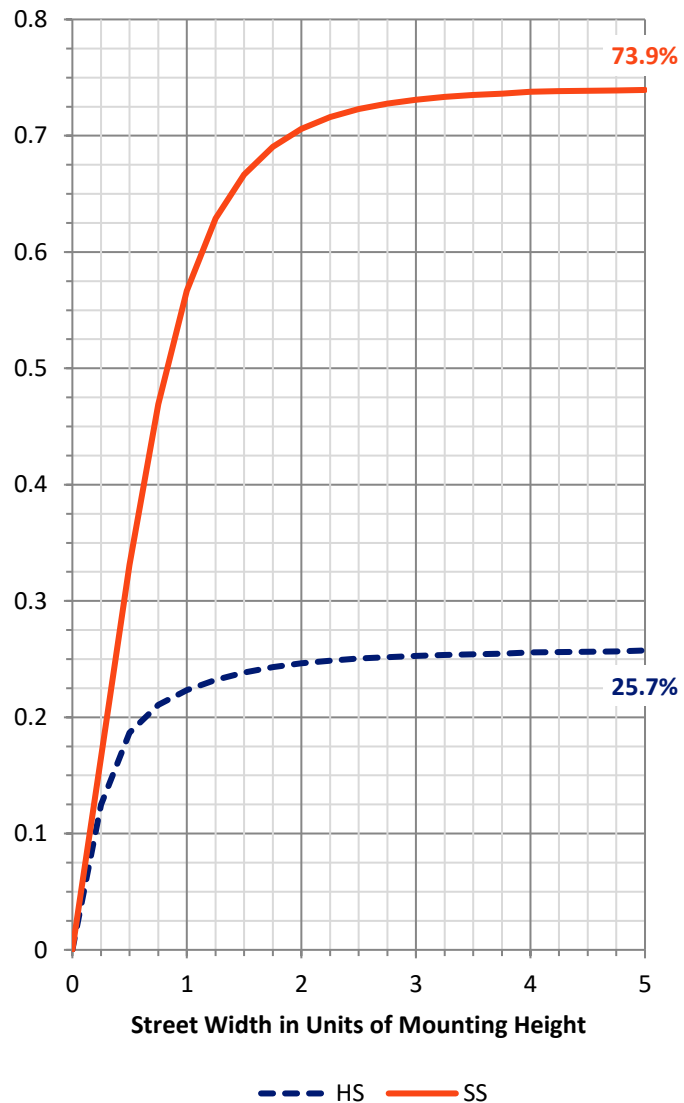
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1946.1	0.0	1946.1
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	5501.9	0.0	5501.9
	% Fixture	73.9	0.0	73.9
Total	Lumens	7448.0	0.0	7448.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	2.0
10°-20°	418.3	5.6
20°-30°	679.2	9.1
30°-40°	979.5	13.2
40°-50°	1274.1	17.1
50°-60°	1479.9	19.9
60°-70°	1464.2	19.7
70°-80°	906.9	12.2
80°-90°	98.5	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°	7448.0	100.0
0°-180°	7448.0	100.0

Coefficient of Utilization



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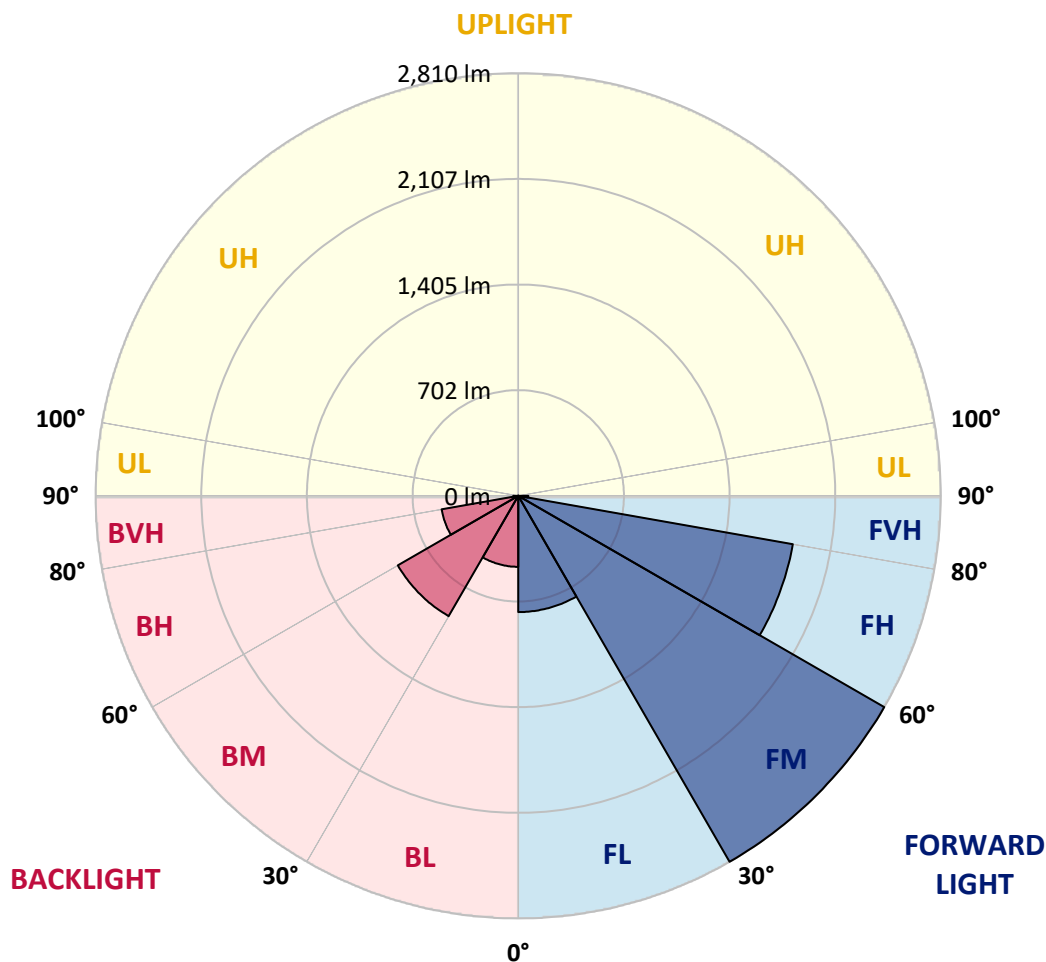
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	772.7	10.4			
FM	(30°-60°)	2809.5	37.7			
FH	(60°-80°)	1853.6	24.9			G2/5000
FVH	(80°-90°)	66.1	0.9			G1/100
BL	(0°-30°)	472.1	6.3	B1/500		
BM	(30°-60°)	924.1	12.4	B1/1000		
BH	(60°-80°)	517.5	6.9	B2/1000		G2/1000
BVH	(80°-90°)	32.4	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°	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4
2.5°	1631.8	1631.8	1636.9	1619.0	1608.7	1601.1	1593.4	1585.7	1583.1	1575.4	1565.2
5°	1703.5	1703.5	1706.1	1688.1	1667.7	1644.6	1621.5	1606.2	1606.2	1588.2	1562.6
7.5°	1741.9	1741.9	1741.9	1721.4	1708.6	1693.3	1657.4	1613.9	1611.3	1593.4	1557.5
10°	1741.9	1741.9	1752.2	1721.4	1711.2	1695.8	1675.3	1629.2	1624.1	1583.1	1534.4
12.5°	1772.7	1777.8	1772.7	1739.4	1729.1	1716.3	1688.1	1649.7	1647.2	1593.4	1524.2
15°	1816.2	1818.8	1811.1	1788.1	1777.8	1757.3	1724.0	1683.0	1677.9	1613.9	1531.9
17.5°	1826.5	1829.0	1834.2	1806.0	1806.0	1798.3	1780.4	1731.7	1718.9	1662.5	1554.9
20°	1821.4	1823.9	1831.6	1826.5	1829.0	1823.9	1836.7	1795.7	1780.4	1718.9	1590.8
22.5°	1844.4	1849.5	1864.9	1867.5	1877.7	1888.0	1893.1	1895.6	1885.4	1813.7	1665.1
25°	1852.1	1867.5	1888.0	1916.1	1952.0	1972.5	2000.7	2028.9	2026.3	1954.6	1788.1
27.5°	1816.2	1834.2	1898.2	1941.8	2021.2	2077.5	2141.6	2180.0	2180.0	2121.1	1928.9
30°	1849.5	1857.2	1890.5	1952.0	2044.2	2172.3	2272.2	2320.9	2326.0	2287.6	2067.3
32.5°	1780.4	1798.3	1880.3	1998.1	2139.0	2279.9	2379.8	2484.8	2490.0	2477.1	2269.6
35°	1772.7	1782.9	1829.0	1954.6	2136.4	2379.8	2513.0	2646.2	2659.0	2674.4	2466.9
37.5°	1693.3	1713.8	1803.4	1959.7	2208.2	2446.4	2625.7	2830.7	2851.2	2899.8	2636.0
40°	1608.7	1624.1	1698.4	1867.5	2185.1	2530.9	2735.9	3048.4	3074.0	3115.0	2869.1
42.5°	1493.5	1524.2	1652.3	1829.0	2174.9	2556.6	2858.8	3248.2	3258.5	3330.2	3053.5
45°	1385.9	1396.1	1493.5	1695.8	2085.2	2595.0	2951.1	3473.6	3481.3	3527.4	3207.2
47.5°	1298.8	1311.6	1411.5	1583.1	2003.2	2584.7	3043.3	3691.4	3727.2	3778.5	3394.2
50°	1029.8	1058.0	1321.8	1485.8	1862.3	2566.8	3117.6	3952.7	3993.7	4042.3	3594.0
52.5°	888.9	901.7	1034.9	1388.4	1724.0	2490.0	3186.7	4219.1	4267.8	4242.1	3847.6
55°	827.4	835.1	896.6	1196.3	1601.1	2343.9	3238.0	4467.6	4518.8	4395.8	4047.5
57.5°	783.9	794.1	830.0	978.6	1462.7	2087.8	3243.1	4613.6	4631.5	4523.9	4129.4
60°	725.0	732.6	783.9	855.6	1301.3	1818.8	3150.9	4677.6	4762.2	4659.7	4313.9
62.5°	681.4	689.1	722.4	776.2	1145.1	1603.6	2894.7	4877.4	4933.8	4795.5	4383.0
65°	630.2	630.2	663.5	717.3	1045.2	1473.0	2761.5	4813.4	4690.4	4757.0	4467.6
67.5°	555.9	561.0	594.3	637.9	876.1	1347.4	2433.6	4516.2	4388.2	4572.6	4244.7
70°	494.4	489.3	525.1	558.4	717.3	1188.6	2016.0	4208.8	4313.9	4293.4	4039.8
72.5°	412.4	407.3	438.0	473.9	578.9	986.2	1593.4	3906.6	3968.0	3840.0	3583.8
75°	320.2	289.5	333.0	379.1	456.0	781.3	1129.7	3235.4	3466.0	3619.7	3056.1
77.5°	51.2	51.2	64.0	89.7	148.6	397.1	504.7	1777.8	2039.1	3081.7	2679.5
80°	41.0	41.0	46.1	61.5	89.7	217.7	169.1	550.8	614.8	1329.5	1542.1
82.5°	23.1	23.1	33.3	41.0	56.4	66.6	74.3	269.0	299.7	471.3	596.9
85°	12.8	12.8	17.9	20.5	23.1	23.1	23.1	123.0	138.3	251.0	271.5
87.5°	7.7	7.7	7.7	7.7	7.7	5.1	2.6	2.6	2.6	2.6	2.6
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°	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4	1575.4
2.5°	1560.1	1552.4	1539.6	1529.3	1521.6	1514.0	1501.1	1493.5	1493.5	1506.3	1508.8
5°	1547.3	1529.3	1506.3	1496.0	1483.2	1470.4	1449.9	1439.7	1437.1	1444.8	1449.9
7.5°	1537.0	1511.4	1488.3	1462.7	1424.3	1391.0	1373.1	1360.3	1365.4	1378.2	1373.1
10°	1506.3	1483.2	1447.3	1408.9	1362.8	1334.6	1306.5	1291.1	1293.6	1301.3	1293.6
12.5°	1493.5	1462.7	1403.8	1357.7	1316.7	1262.9	1227.0	1204.0	1204.0	1216.8	1216.8
15°	1493.5	1447.3	1367.9	1311.6	1247.5	1193.7	1152.8	1132.3	1145.1	1137.4	1132.3
17.5°	1506.3	1434.5	1344.9	1250.1	1173.2	1119.5	1070.8	1042.6	1050.3	1055.4	1050.3
20°	1521.6	1434.5	1316.7	1201.4	1111.8	1034.9	981.1	950.4	947.8	950.4	955.5
22.5°	1572.9	1467.8	1298.8	1170.7	1034.9	960.6	906.8	853.0	850.5	847.9	853.0
25°	1660.0	1529.3	1311.6	1114.3	991.4	881.2	814.6	768.5	753.1	750.6	755.7
27.5°	1803.4	1636.9	1332.1	1106.6	912.0	812.1	730.1	678.8	663.5	668.6	666.0
30°	1959.7	1775.2	1391.0	1052.9	865.8	709.6	632.7	589.2	573.8	563.6	566.1
32.5°	2075.0	1913.6	1465.3	1034.9	776.2	599.4	543.1	517.5	499.5	486.7	484.2
35°	2256.8	2031.4	1531.9	993.9	696.8	527.7	481.6	453.4	443.2	435.5	435.5
37.5°	2431.0	2174.9	1598.5	981.1	594.3	479.0	422.7	404.7	399.6	394.5	394.5
40°	2605.2	2320.9	1636.9	929.9	512.3	420.1	366.3	363.8	371.4	366.3	368.9
42.5°	2820.4	2472.0	1675.3	881.2	453.4	358.6	327.9	348.4	363.8	366.3	366.3
45°	2969.0	2574.5	1690.7	763.4	391.9	312.5	320.2	343.3	361.2	368.9	366.3
47.5°	3104.8	2712.8	1667.7	619.9	340.7	304.8	317.6	333.0	358.6	368.9	368.9
50°	3238.0	2828.1	1647.2	458.5	322.8	307.4	317.6	325.3	353.5	363.8	363.8
52.5°	3425.0	2920.3	1578.0	384.3	307.4	310.0	325.3	322.8	345.8	361.2	366.3
55°	3683.7	3135.5	1444.8	363.8	304.8	307.4	325.3	325.3	340.7	353.5	361.2
57.5°	3799.0	3227.7	1219.4	343.3	297.2	304.8	317.6	320.2	338.1	345.8	343.3
60°	3929.6	3343.0	999.1	320.2	284.3	299.7	304.8	315.1	327.9	327.9	325.3
62.5°	4009.0	3371.2	832.5	294.6	269.0	281.8	281.8	292.0	302.3	302.3	302.3
65°	4047.5	3343.0	622.5	271.5	251.0	261.3	258.7	263.9	271.5	258.7	258.7
67.5°	3896.3	3238.0	430.4	240.8	230.6	240.8	238.2	240.8	238.2	228.0	230.6
70°	3637.6	2943.4	297.2	204.9	202.4	220.3	222.9	217.7	202.4	194.7	194.7
72.5°	3312.3	2361.9	204.9	163.9	171.6	194.7	199.8	189.6	174.2	166.5	166.5
75°	3004.9	2041.7	146.0	112.7	115.3	148.6	158.8	158.8	153.7	204.9	217.7
77.5°	2090.3	1321.8	84.5	58.9	56.4	84.5	97.3	99.9	192.1	207.5	202.4
80°	1239.9	622.5	61.5	35.9	35.9	48.7	66.6	130.6	220.3	148.6	133.2
82.5°	473.9	238.2	38.4	23.1	20.5	25.6	38.4	202.4	128.1	84.5	76.9
85°	171.6	58.9	17.9	12.8	12.8	15.4	23.1	171.6	89.7	64.0	61.5
87.5°	2.6	2.6	5.1	5.1	5.1	2.6	2.6	5.1	5.1	5.1	2.6
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)