

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: P690834

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690834
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-C01-5TLD-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: 8134 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - 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

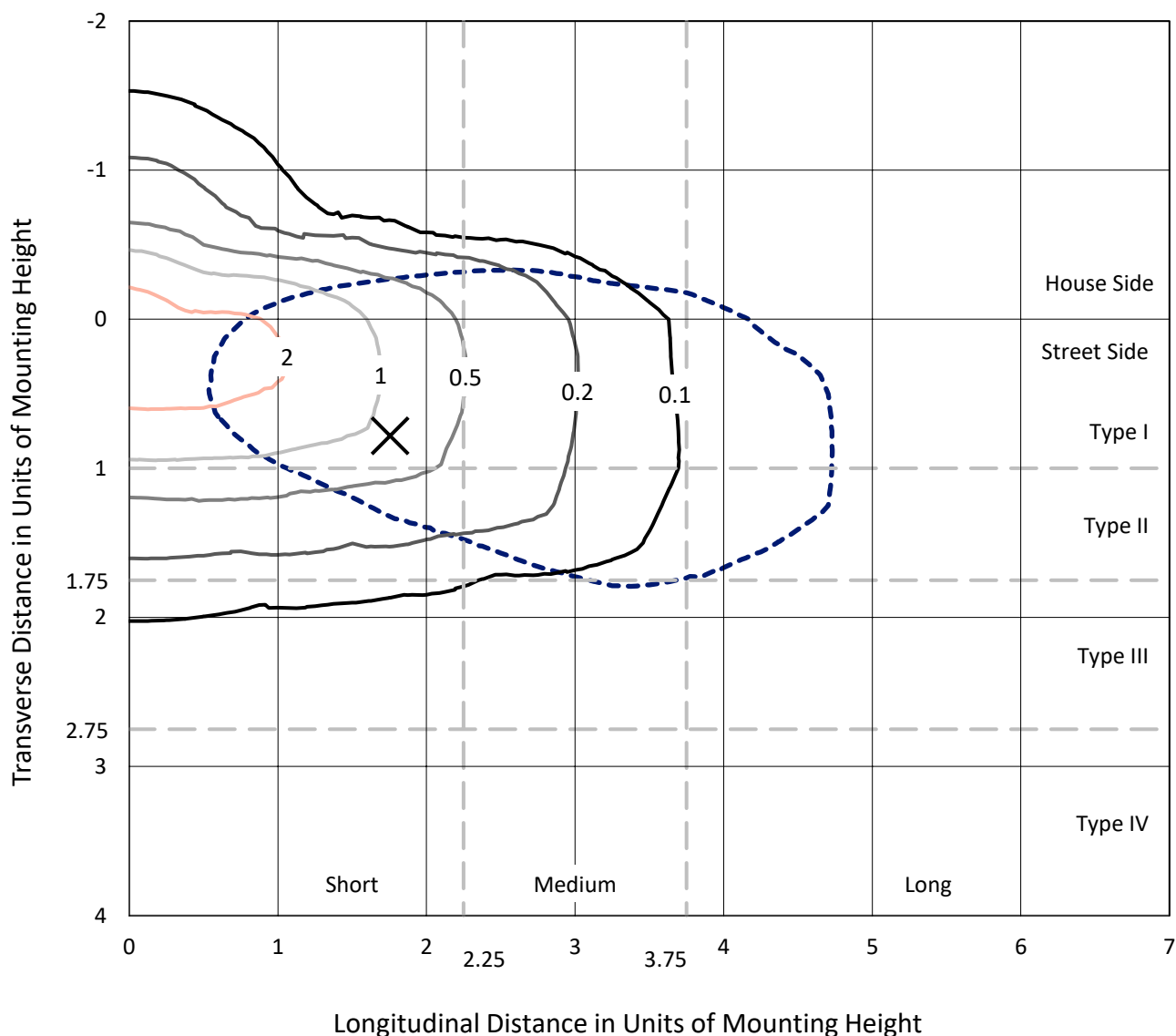


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

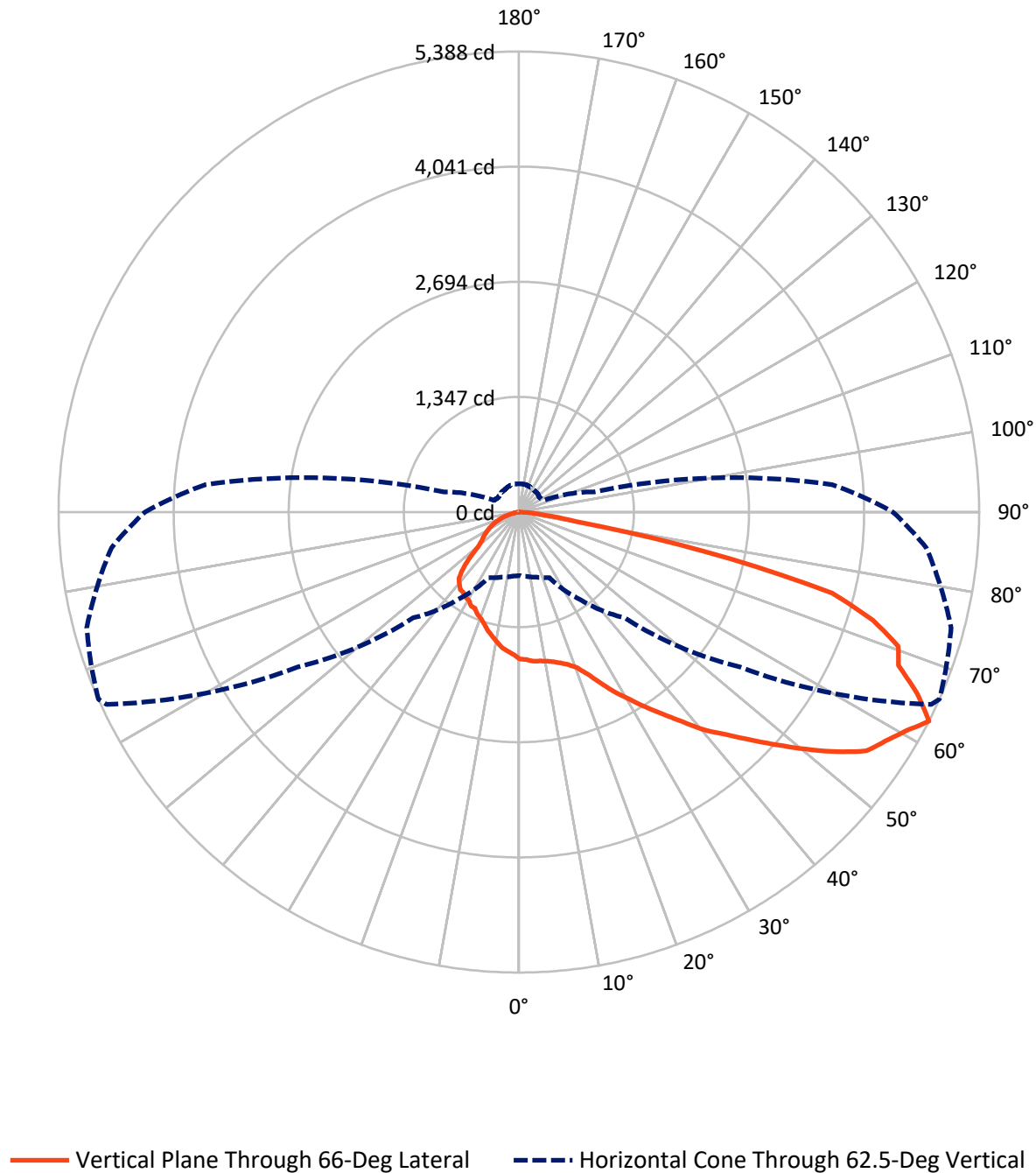
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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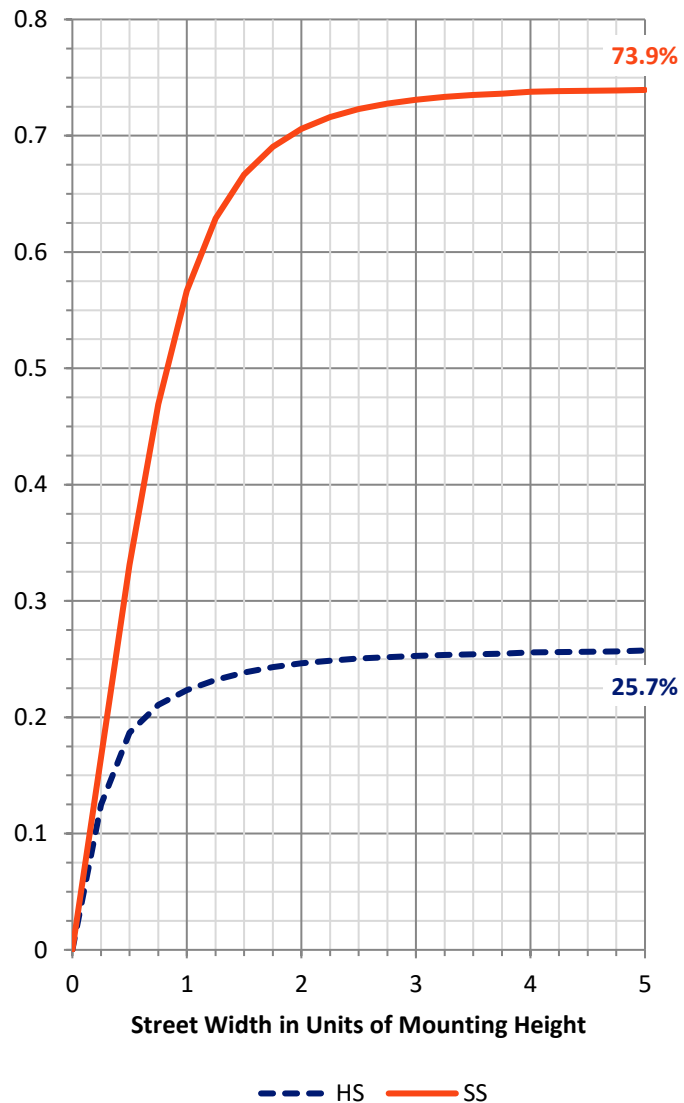
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2125.4	0.0	2125.4
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	6008.6	0.0	6008.6
	% Fixture	73.9	0.0	73.9
Total	Lumens	8134.0	0.0	8134.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.0	2.0
10°-20°	456.8	5.6
20°-30°	741.7	9.1
30°-40°	1069.8	13.2
40°-50°	1391.5	17.1
50°-60°	1616.2	19.9
60°-70°	1599.0	19.7
70°-80°	990.5	12.2
80°-90°	107.6	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°	8134.0	100.0
0°-180°	8134.0	100.0

Coefficient of Utilization



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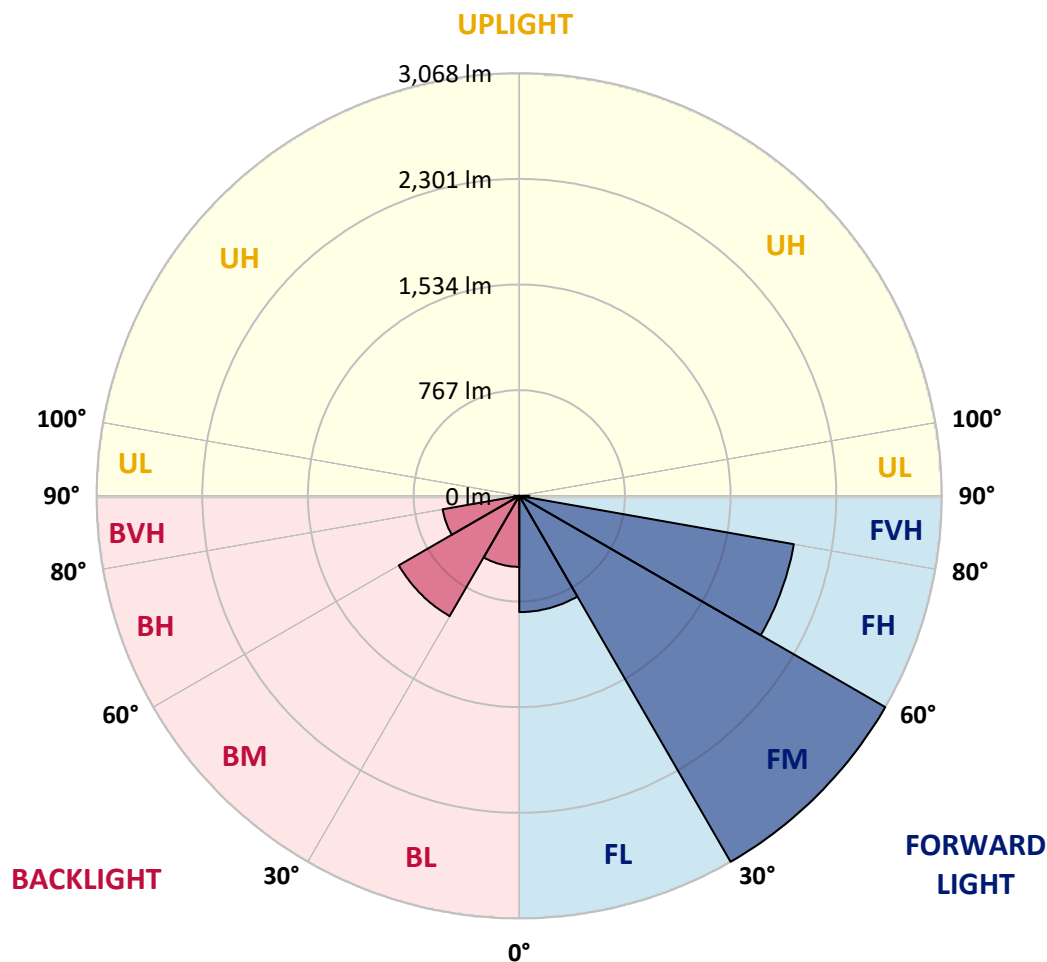
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	843.9	10.4			
FM	(30°-60°)	3068.3	37.7			
FH	(60°-80°)	2024.3	24.9			G2/5000
FVH	(80°-90°)	72.1	0.9			G1/100
BL	(0°-30°)	515.6	6.3	B2/1000		
BM	(30°-60°)	1009.2	12.4	B2/2500		
BH	(60°-80°)	565.2	6.9	B2/1000		G2/1000
BVH	(80°-90°)	35.4	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°	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5
2.5°	1782.1	1782.1	1787.7	1768.1	1756.9	1748.5	1740.1	1731.7	1728.9	1720.5	1709.3
5°	1860.4	1860.4	1863.2	1843.6	1821.3	1796.1	1770.9	1754.1	1754.1	1734.5	1706.6
7.5°	1902.4	1902.4	1902.4	1880.0	1866.0	1849.2	1810.1	1762.5	1759.7	1740.1	1701.0
10°	1902.4	1902.4	1913.6	1880.0	1868.8	1852.0	1829.6	1779.3	1773.7	1728.9	1675.8
12.5°	1936.0	1941.6	1936.0	1899.6	1888.4	1874.4	1843.6	1801.7	1798.9	1740.1	1664.6
15°	1983.5	1986.3	1977.9	1952.7	1941.6	1919.2	1882.8	1838.0	1832.4	1762.5	1673.0
17.5°	1994.7	1997.5	2003.1	1972.3	1972.3	1963.9	1944.3	1891.2	1877.2	1815.7	1698.2
20°	1989.1	1991.9	2000.3	1994.7	1997.5	1991.9	2005.9	1961.1	1944.3	1877.2	1737.3
22.5°	2014.3	2019.9	2036.7	2039.5	2050.7	2061.8	2067.4	2070.2	2059.1	1980.7	1818.5
25°	2022.7	2039.5	2061.8	2092.6	2131.8	2154.2	2184.9	2215.7	2212.9	2134.6	1952.7
27.5°	1983.5	2003.1	2073.0	2120.6	2207.3	2268.9	2338.8	2380.8	2380.8	2316.4	2106.6
30°	2019.9	2028.3	2064.6	2131.8	2232.5	2372.4	2481.5	2534.6	2540.2	2498.3	2257.7
32.5°	1944.3	1963.9	2053.5	2182.1	2336.0	2489.9	2599.0	2713.7	2719.3	2705.3	2478.7
35°	1936.0	1947.1	1997.5	2134.6	2333.2	2599.0	2744.5	2889.9	2903.9	2920.7	2694.1
37.5°	1849.2	1871.6	1969.5	2140.2	2411.6	2671.7	2867.6	3091.4	3113.8	3166.9	2878.8
40°	1756.9	1773.7	1854.8	2039.5	2386.4	2764.1	2987.9	3329.2	3357.1	3401.9	3133.3
42.5°	1631.0	1664.6	1804.5	1997.5	2375.2	2792.0	3122.1	3547.4	3558.6	3636.9	3334.8
45°	1513.5	1524.7	1631.0	1852.0	2277.3	2834.0	3222.9	3793.6	3802.0	3852.3	3502.6
47.5°	1418.4	1432.4	1541.5	1728.9	2187.7	2822.8	3323.6	4031.4	4070.5	4126.5	3706.9
50°	1124.6	1155.4	1443.6	1622.6	2033.9	2803.2	3404.7	4316.7	4361.5	4414.7	3925.1
52.5°	970.8	984.8	1130.2	1516.3	1882.8	2719.3	3480.2	4607.7	4660.8	4632.9	4202.0
55°	903.6	912.0	979.2	1306.5	1748.5	2559.8	3536.2	4879.1	4935.0	4800.7	4420.2
57.5°	856.1	867.3	906.4	1068.7	1597.4	2280.1	3541.8	5038.5	5058.1	4940.6	4509.8
60°	791.7	800.1	856.1	934.4	1421.2	1986.3	3441.1	5108.5	5200.8	5088.9	4711.2
62.5°	744.2	752.6	788.9	847.7	1250.5	1751.3	3161.3	5326.7	5388.2	5237.2	4786.7
65°	688.2	688.2	724.6	783.3	1141.4	1608.6	3015.8	5256.7	5122.5	5195.2	4879.1
67.5°	607.1	612.7	649.0	696.6	956.8	1471.6	2657.7	4932.2	4792.3	4993.8	4635.7
70°	539.9	534.3	573.5	609.9	783.3	1298.1	2201.7	4596.5	4711.2	4688.8	4411.9
72.5°	450.4	444.8	478.4	517.6	632.3	1077.1	1740.1	4266.4	4333.5	4193.6	3913.9
75°	349.7	316.1	363.7	414.0	498.0	853.3	1233.8	3533.4	3785.2	3953.0	3337.6
77.5°	56.0	56.0	69.9	97.9	162.3	433.6	551.1	1941.6	2226.9	3365.5	2926.3
80°	44.8	44.8	50.4	67.1	97.9	237.8	184.6	601.5	671.4	1452.0	1684.2
82.5°	25.2	25.2	36.4	44.8	61.5	72.7	81.1	293.8	327.3	514.8	651.8
85°	14.0	14.0	19.6	22.4	25.2	25.2	25.2	134.3	151.1	274.2	296.5
87.5°	8.4	8.4	8.4	8.4	8.4	5.6	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°	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5	1720.5
2.5°	1703.8	1695.4	1681.4	1670.2	1661.8	1653.4	1639.4	1631.0	1631.0	1645.0	1647.8
5°	1689.8	1670.2	1645.0	1633.8	1619.8	1605.8	1583.5	1572.3	1569.5	1577.9	1583.5
7.5°	1678.6	1650.6	1625.4	1597.4	1555.5	1519.1	1499.5	1485.5	1491.1	1505.1	1499.5
10°	1645.0	1619.8	1580.7	1538.7	1488.3	1457.6	1426.8	1410.0	1412.8	1421.2	1412.8
12.5°	1631.0	1597.4	1533.1	1482.7	1438.0	1379.2	1340.1	1314.9	1314.9	1328.9	1328.9
15°	1631.0	1580.7	1493.9	1432.4	1362.4	1303.7	1258.9	1236.6	1250.5	1242.1	1236.6
17.5°	1645.0	1566.7	1468.8	1365.2	1281.3	1222.6	1169.4	1138.6	1147.0	1152.6	1147.0
20°	1661.8	1566.7	1438.0	1312.1	1214.2	1130.2	1071.5	1037.9	1035.1	1037.9	1043.5
22.5°	1717.7	1603.0	1418.4	1278.5	1130.2	1049.1	990.4	931.6	928.8	926.0	931.6
25°	1812.9	1670.2	1432.4	1217.0	1082.7	962.4	889.6	839.3	822.5	819.7	825.3
27.5°	1969.5	1787.7	1454.8	1208.6	996.0	886.8	797.3	741.4	724.6	730.2	727.4
30°	2140.2	1938.8	1519.1	1149.8	945.6	774.9	691.0	643.5	626.7	615.5	618.3
32.5°	2266.1	2089.8	1600.2	1130.2	847.7	654.6	593.1	565.1	545.5	531.5	528.8
35°	2464.7	2218.5	1673.0	1085.5	761.0	576.3	526.0	495.2	484.0	475.6	475.6
37.5°	2654.9	2375.2	1745.7	1071.5	649.0	523.2	461.6	442.0	436.4	430.8	430.8
40°	2845.2	2534.6	1787.7	1015.5	559.5	458.8	400.1	397.3	405.7	400.1	402.9
42.5°	3080.2	2699.7	1829.6	962.4	495.2	391.7	358.1	380.5	397.3	400.1	400.1
45°	3242.4	2811.6	1846.4	833.7	428.0	341.3	349.7	374.9	394.5	402.9	400.1
47.5°	3390.7	2962.7	1821.3	677.0	372.1	332.9	346.9	363.7	391.7	402.9	402.9
50°	3536.2	3088.6	1798.9	500.8	352.5	335.7	346.9	355.3	386.1	397.3	397.3
52.5°	3740.4	3189.3	1723.3	419.6	335.7	338.5	355.3	352.5	377.7	394.5	400.1
55°	4023.0	3424.3	1577.9	397.3	332.9	335.7	355.3	355.3	372.1	386.1	394.5
57.5°	4148.9	3525.0	1331.7	374.9	324.5	332.9	346.9	349.7	369.3	377.7	374.9
60°	4291.6	3650.9	1091.1	349.7	310.5	327.3	332.9	344.1	358.1	358.1	355.3
62.5°	4378.3	3681.7	909.2	321.7	293.8	307.7	307.7	318.9	330.1	330.1	330.1
65°	4420.2	3650.9	679.8	296.5	274.2	285.4	282.6	288.2	296.5	282.6	282.6
67.5°	4255.2	3536.2	470.0	263.0	251.8	263.0	260.2	263.0	260.2	249.0	251.8
70°	3972.6	3214.5	324.5	223.8	221.0	240.6	243.4	237.8	221.0	212.6	212.6
72.5°	3617.3	2579.4	223.8	179.0	187.4	212.6	218.2	207.0	190.2	181.8	181.8
75°	3281.6	2229.7	159.5	123.1	125.9	162.3	173.5	173.5	167.9	223.8	237.8
77.5°	2282.9	1443.6	92.3	64.3	61.5	92.3	106.3	109.1	209.8	226.6	221.0
80°	1354.1	679.8	67.1	39.2	39.2	53.2	72.7	142.7	240.6	162.3	145.5
82.5°	517.6	260.2	42.0	25.2	22.4	28.0	42.0	221.0	139.9	92.3	83.9
85°	187.4	64.3	19.6	14.0	14.0	16.8	25.2	187.4	97.9	69.9	67.1
87.5°	2.8	2.8	5.6	5.6	5.6	2.8	2.8	5.6	5.6	5.6	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)