

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: P691753

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691753
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-C01H-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: 8619 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 74.9
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

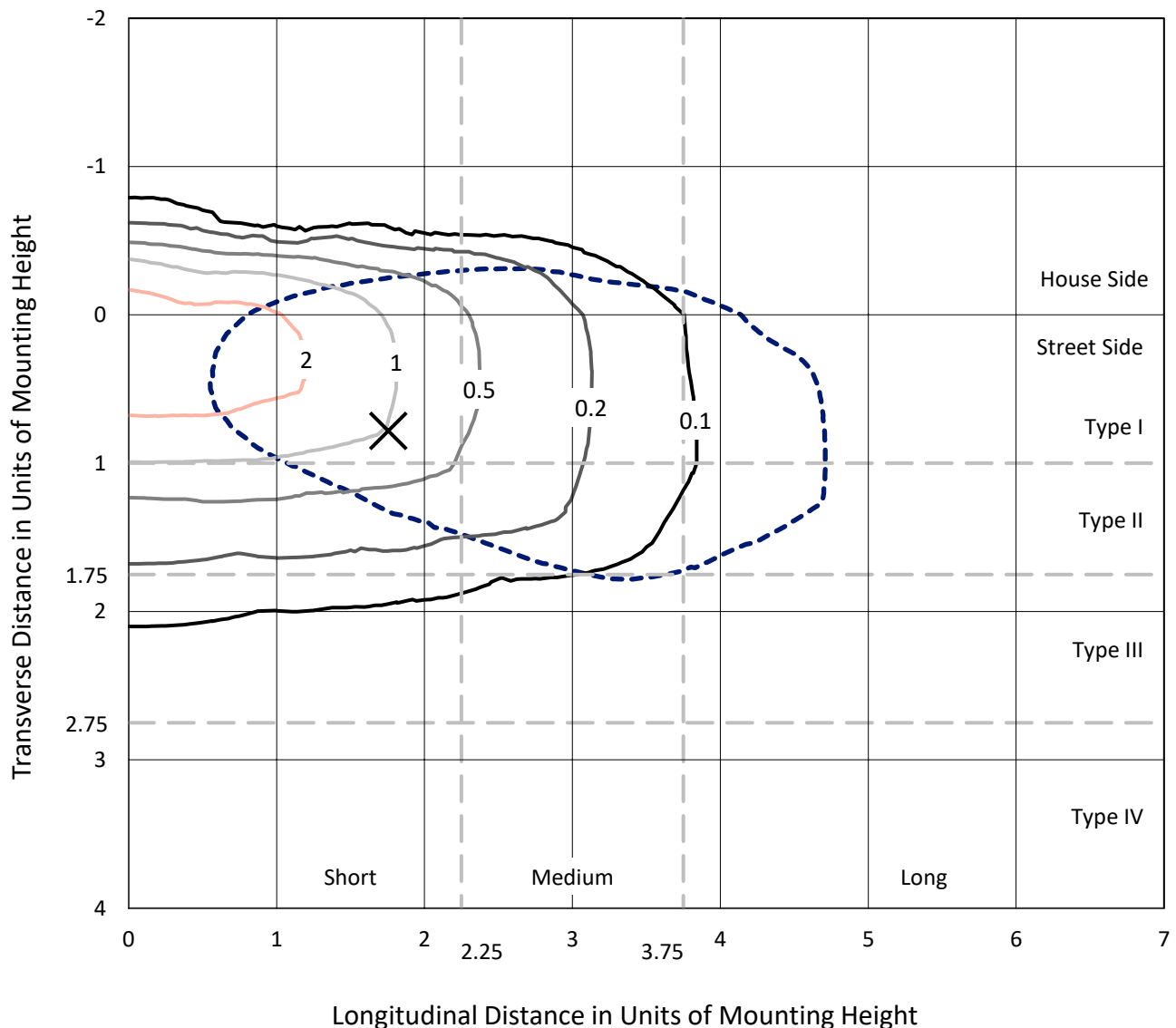


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

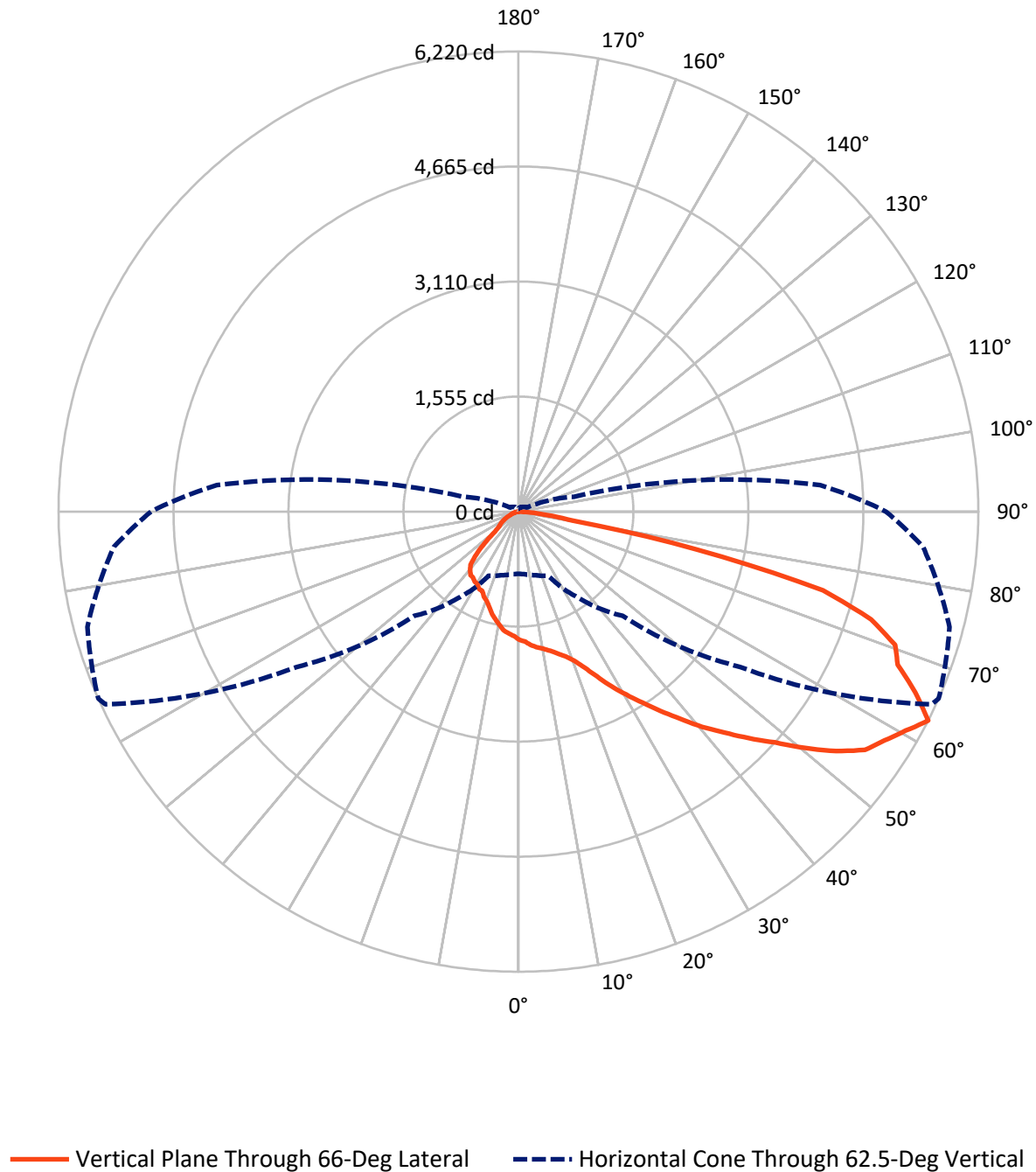


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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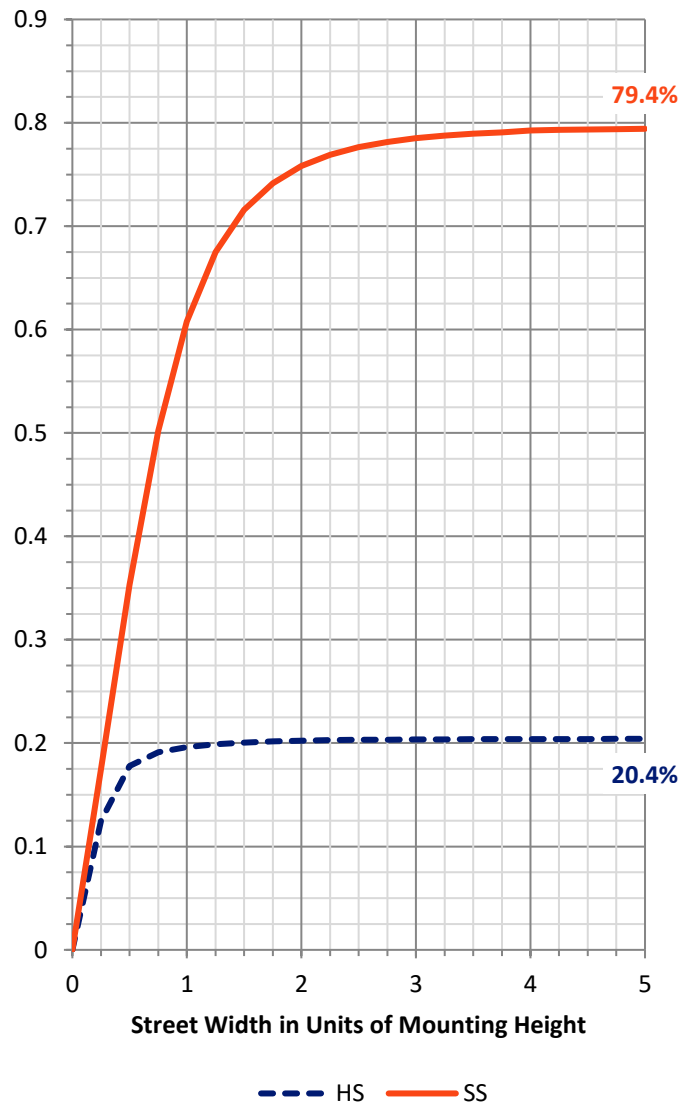
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1780.5	0.0	1780.5
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	6838.5	0.0	6838.5
	% Fixture	79.3	0.0	79.3
Total	Lumens	8619.0	0.0	8619.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.8	1.9
10°-20°	466.5	5.4
20°-30°	765.4	8.9
30°-40°	1126.2	13.1
40°-50°	1485.4	17.2
50°-60°	1729.1	20.1
60°-70°	1718.2	19.9
70°-80°	1062.9	12.3
80°-90°	101.6	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°	8619.0	100.0
0°-180°	8619.0	100.0

Coefficient of Utilization



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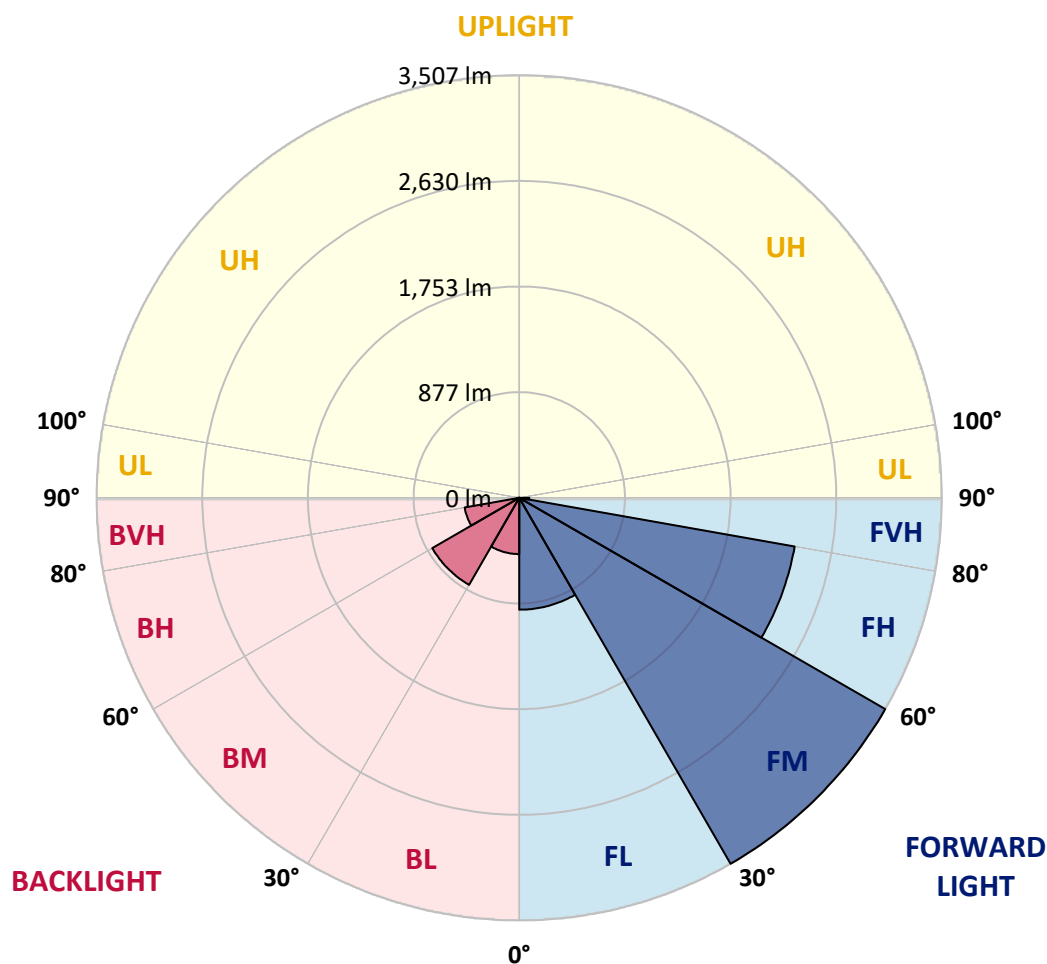
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	928.7	10.8			
FM	(30°-60°)	3507.0	40.7			
FH	(60°-80°)	2320.7	26.9			G2/5000
FVH	(80°-90°)	82.1	1.0			G1/100
BL	(0°-30°)	466.9	5.4	B1/500		
BM	(30°-60°)	833.7	9.7	B1/1000		
BH	(60°-80°)	460.3	5.3	B1/500		G1/500
BVH	(80°-90°)	19.5	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°	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4
2.5°	1831.9	1831.9	1828.6	1805.9	1796.2	1783.2	1773.4	1763.7	1760.4	1750.7	1734.4
5°	1939.1	1935.8	1935.8	1916.3	1896.8	1870.9	1844.9	1818.9	1815.6	1789.7	1753.9
7.5°	2000.8	2000.8	1994.3	1981.3	1968.3	1952.1	1913.1	1857.9	1854.6	1818.9	1770.2
10°	2017.0	2020.3	2033.3	2000.8	1991.0	1974.8	1955.3	1896.8	1887.1	1835.1	1757.2
12.5°	2075.5	2075.5	2072.2	2043.0	2033.3	2020.3	1987.8	1942.3	1932.6	1867.6	1760.4
15°	2146.9	2150.2	2140.4	2114.5	2101.5	2085.2	2043.0	1994.3	1991.0	1906.6	1786.4
17.5°	2182.7	2182.7	2189.2	2153.4	2156.7	2150.2	2130.7	2062.5	2059.2	1981.3	1831.9
20°	2195.7	2198.9	2202.2	2202.2	2205.4	2198.9	2218.4	2159.9	2150.2	2062.5	1893.6
22.5°	2254.1	2260.6	2276.9	2267.1	2283.4	2293.1	2299.6	2302.8	2289.9	2198.9	1997.5
25°	2280.1	2296.4	2319.1	2354.8	2380.8	2400.3	2449.0	2471.7	2468.5	2390.5	2169.7
27.5°	2241.1	2260.6	2338.6	2400.3	2491.2	2543.2	2634.1	2663.4	2673.1	2601.7	2354.8
30°	2293.1	2299.6	2335.3	2413.3	2527.0	2682.9	2806.3	2871.3	2871.3	2816.0	2536.7
32.5°	2211.9	2231.4	2335.3	2478.2	2653.6	2822.5	2939.5	3079.1	3079.1	3053.1	2796.5
35°	2202.2	2211.9	2273.6	2432.8	2656.9	2965.4	3121.3	3287.0	3309.7	3313.0	3053.1
37.5°	2111.2	2130.7	2241.1	2445.8	2754.3	3053.1	3270.8	3527.4	3553.3	3589.1	3267.5
40°	2010.5	2017.0	2114.5	2328.8	2731.6	3166.8	3413.7	3796.9	3826.2	3874.9	3553.3
42.5°	1861.1	1887.1	2049.5	2283.4	2721.8	3202.5	3572.8	4050.3	4082.8	4151.0	3790.4
45°	1727.9	1737.7	1857.9	2117.7	2614.7	3254.5	3696.2	4349.1	4368.6	4410.8	3988.6
47.5°	1620.8	1627.3	1747.4	1971.5	2514.0	3241.5	3816.4	4618.7	4664.2	4729.1	4222.4
50°	1299.2	1334.9	1633.8	1851.4	2338.6	3218.8	3910.6	4956.5	5024.7	5050.7	4492.0
52.5°	1107.6	1114.1	1270.0	1731.2	2156.7	3121.3	4001.6	5300.8	5378.7	5307.3	4816.8
55°	1026.4	1032.9	1104.3	1490.8	2004.0	2933.0	4069.8	5632.1	5687.3	5511.9	5060.4
57.5°	974.4	987.4	1019.9	1211.5	1822.1	2617.9	4082.8	5814.0	5836.7	5674.3	5183.8
60°	902.9	902.9	967.9	1058.9	1624.0	2280.1	3975.6	5904.9	6015.3	5859.4	5411.2
62.5°	841.2	847.7	890.0	958.2	1429.1	1994.3	3660.5	6164.7	6220.0	6034.8	5492.4
65°	769.8	776.3	815.3	883.5	1299.2	1835.1	3491.6	6060.8	5898.4	5989.4	5593.1
67.5°	688.6	691.8	730.8	792.5	1091.3	1692.2	3085.6	5664.5	5531.4	5775.0	5313.8
70°	607.4	607.4	639.9	688.6	890.0	1484.3	2549.7	5304.0	5404.7	5417.7	5037.7
72.5°	506.7	509.9	542.4	584.6	714.6	1240.7	2017.0	4943.5	4989.0	4816.8	4430.3
75°	363.8	376.8	412.5	454.7	565.2	984.2	1432.4	4017.8	4254.9	4560.2	3806.7
77.5°	55.2	55.2	68.2	103.9	185.1	493.7	662.6	2218.4	2462.0	3816.4	3326.0
80°	45.5	45.5	48.7	68.2	107.2	276.1	214.4	695.1	747.0	1753.9	1874.1
82.5°	22.7	22.7	35.7	48.7	65.0	81.2	90.9	334.5	386.5	597.6	747.0
85°	13.0	13.0	16.2	22.7	26.0	26.0	29.2	159.2	165.6	324.8	337.8
87.5°	3.2	3.2	6.5	6.5	6.5	3.2	3.2	3.2	3.2	3.2	3.2
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°	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4
2.5°	1727.9	1718.2	1698.7	1682.5	1672.7	1653.2	1637.0	1624.0	1617.5	1633.8	1637.0
5°	1731.2	1708.5	1672.7	1650.0	1624.0	1591.5	1552.6	1529.8	1520.1	1523.3	1533.1
7.5°	1737.7	1705.2	1663.0	1614.3	1546.1	1481.1	1435.6	1409.6	1396.6	1412.9	1412.9
10°	1718.2	1682.5	1624.0	1549.3	1461.6	1396.6	1344.7	1299.2	1283.0	1289.5	1292.7
12.5°	1718.2	1669.5	1572.0	1481.1	1399.9	1292.7	1214.8	1172.5	1156.3	1159.5	1166.0
15°	1727.9	1663.0	1526.6	1416.1	1296.0	1182.3	1114.1	1062.1	1045.9	1029.6	1036.1
17.5°	1760.4	1653.2	1503.8	1328.4	1195.3	1088.1	993.9	935.4	922.4	922.4	925.7
20°	1792.9	1666.2	1464.9	1263.5	1104.3	971.2	873.7	831.5	802.3	789.3	802.3
22.5°	1861.1	1711.7	1438.9	1221.3	1010.1	883.5	792.5	698.3	646.4	623.6	630.1
25°	1984.5	1792.9	1458.4	1146.6	958.2	802.3	675.6	561.9	490.5	467.7	474.2
27.5°	2176.2	1926.1	1481.1	1140.1	864.0	721.1	548.9	425.5	370.3	347.5	354.0
30°	2364.6	2108.0	1555.8	1075.1	828.2	591.1	415.7	328.1	272.8	250.1	256.6
32.5°	2527.0	2283.4	1650.0	1058.9	734.1	445.0	311.8	243.6	201.4	181.9	185.1
35°	2767.3	2432.8	1731.2	1010.1	623.6	334.5	227.4	175.4	152.7	146.2	146.2
37.5°	2981.7	2608.2	1809.1	993.9	467.7	250.1	162.4	142.9	139.7	129.9	129.9
40°	3205.8	2793.3	1844.9	935.4	341.0	175.4	133.2	133.2	129.9	120.2	120.2
42.5°	3468.9	2981.7	1877.4	867.2	243.6	133.2	123.4	126.7	123.4	113.7	110.4
45°	3657.3	3098.6	1887.1	695.1	168.9	126.7	116.9	120.2	116.9	110.4	107.2
47.5°	3829.4	3267.5	1844.9	487.2	136.4	120.2	113.7	113.7	113.7	103.9	100.7
50°	4008.1	3407.2	1809.1	263.1	133.2	116.9	107.2	103.9	107.2	100.7	97.4
52.5°	4245.2	3514.4	1715.0	178.6	129.9	113.7	103.9	97.4	100.7	94.2	97.4
55°	4560.2	3796.9	1542.8	168.9	129.9	110.4	100.7	90.9	90.9	87.7	87.7
57.5°	4703.1	3904.1	1266.7	162.4	126.7	110.4	94.2	84.4	78.0	74.7	71.5
60°	4878.5	4060.0	977.7	149.4	116.9	103.9	84.4	74.7	65.0	61.7	61.7
62.5°	4969.5	4095.8	773.0	133.2	107.2	90.9	74.7	61.7	52.0	45.5	45.5
65°	5021.4	4076.3	539.2	120.2	94.2	81.2	65.0	52.0	39.0	35.7	32.5
67.5°	4846.0	3959.3	315.1	103.9	81.2	71.5	55.2	42.2	32.5	29.2	26.0
70°	4495.3	3602.1	198.1	90.9	71.5	61.7	48.7	35.7	26.0	22.7	22.7
72.5°	4118.5	2903.7	136.4	71.5	55.2	48.7	35.7	29.2	22.7	16.2	16.2
75°	3706.0	2520.5	100.7	52.0	39.0	35.7	29.2	22.7	19.5	13.0	13.0
77.5°	2627.6	1669.5	81.2	39.0	26.0	22.7	19.5	16.2	13.0	13.0	9.7
80°	1552.6	815.3	61.7	26.0	19.5	16.2	13.0	13.0	9.7	9.7	9.7
82.5°	581.4	311.8	42.2	19.5	13.0	13.0	9.7	9.7	6.5	6.5	6.5
85°	211.1	78.0	19.5	9.7	9.7	6.5	6.5	6.5	6.5	6.5	6.5
87.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
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)