

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: P691783

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8476 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G3

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

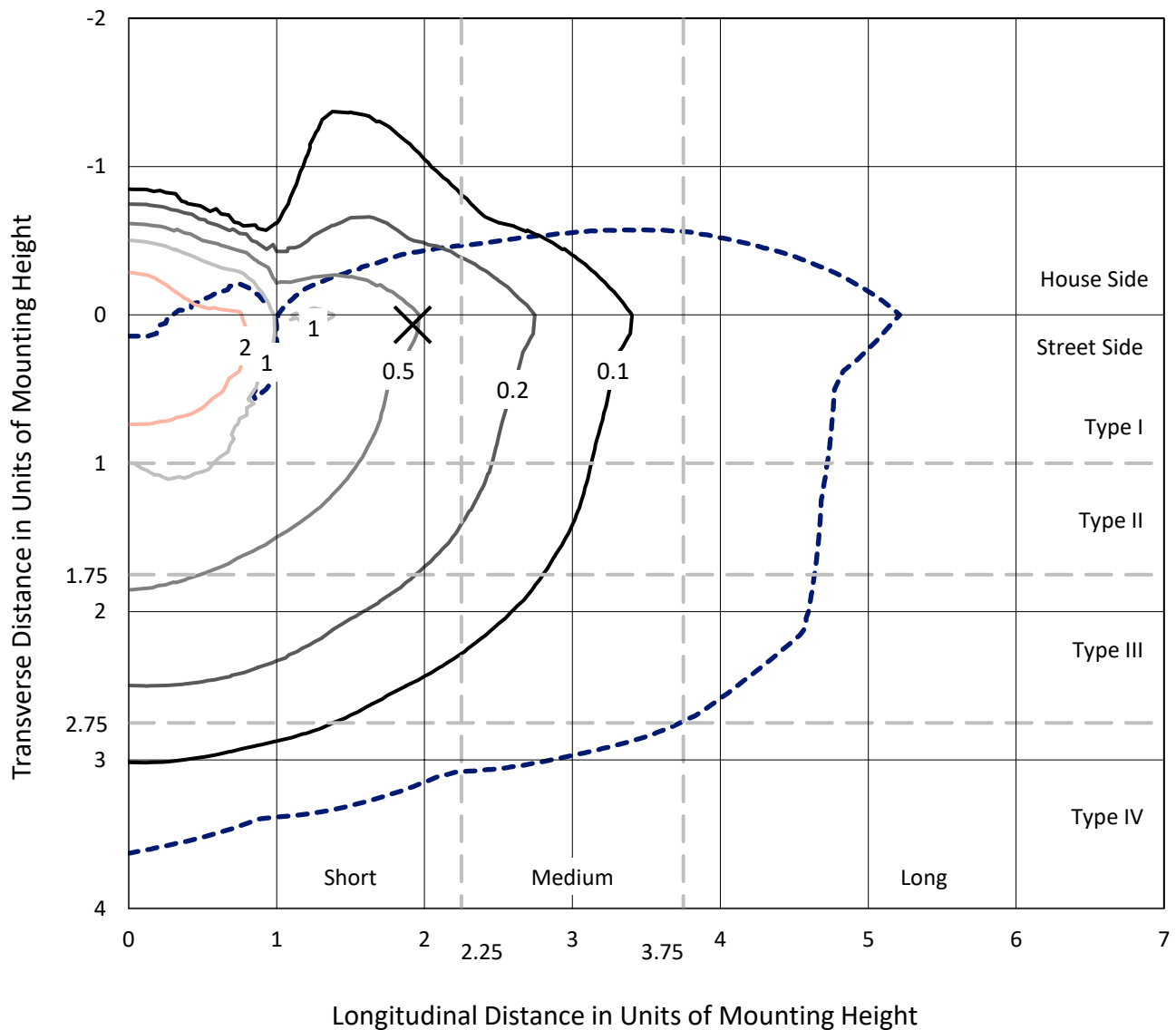


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

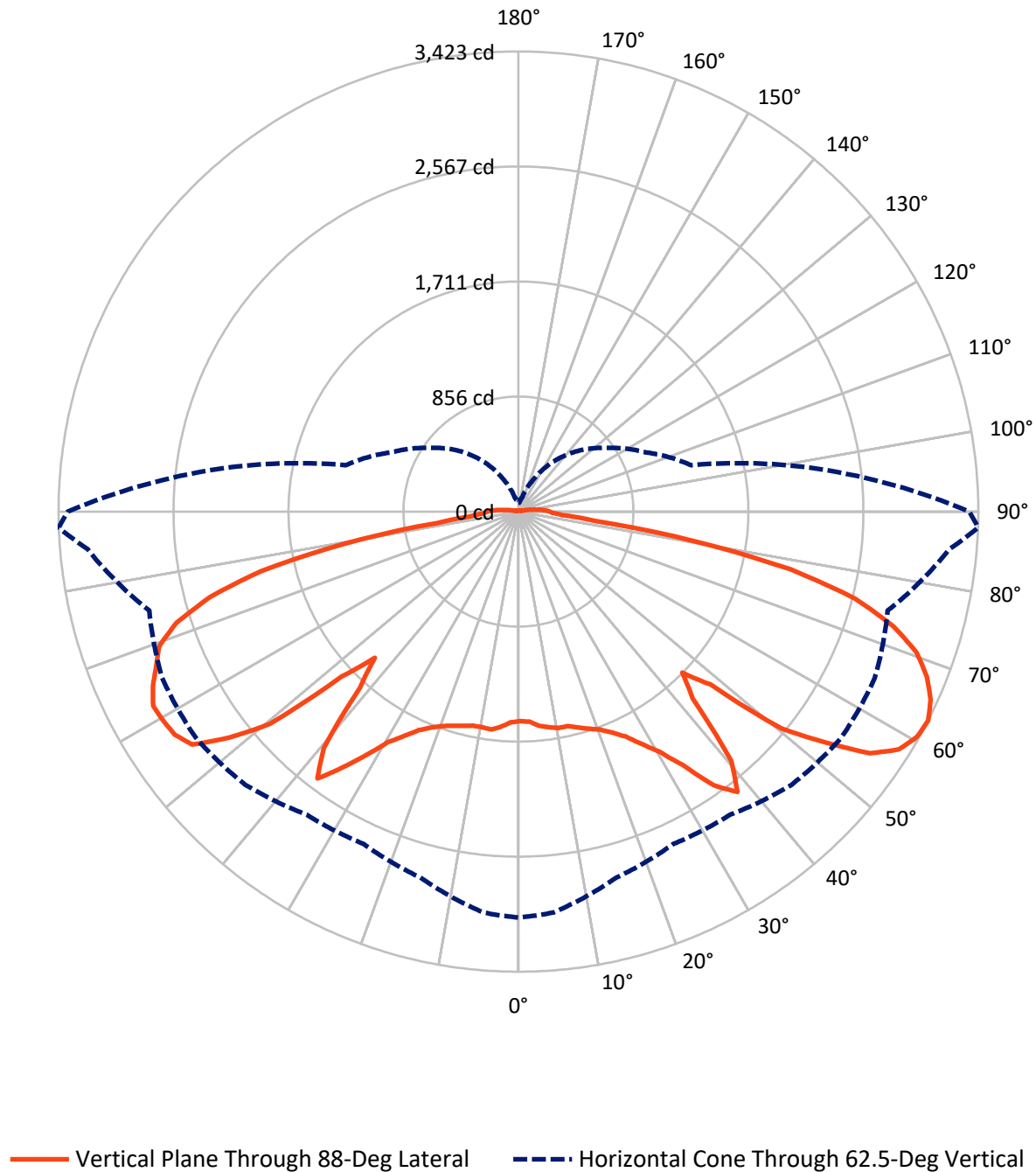


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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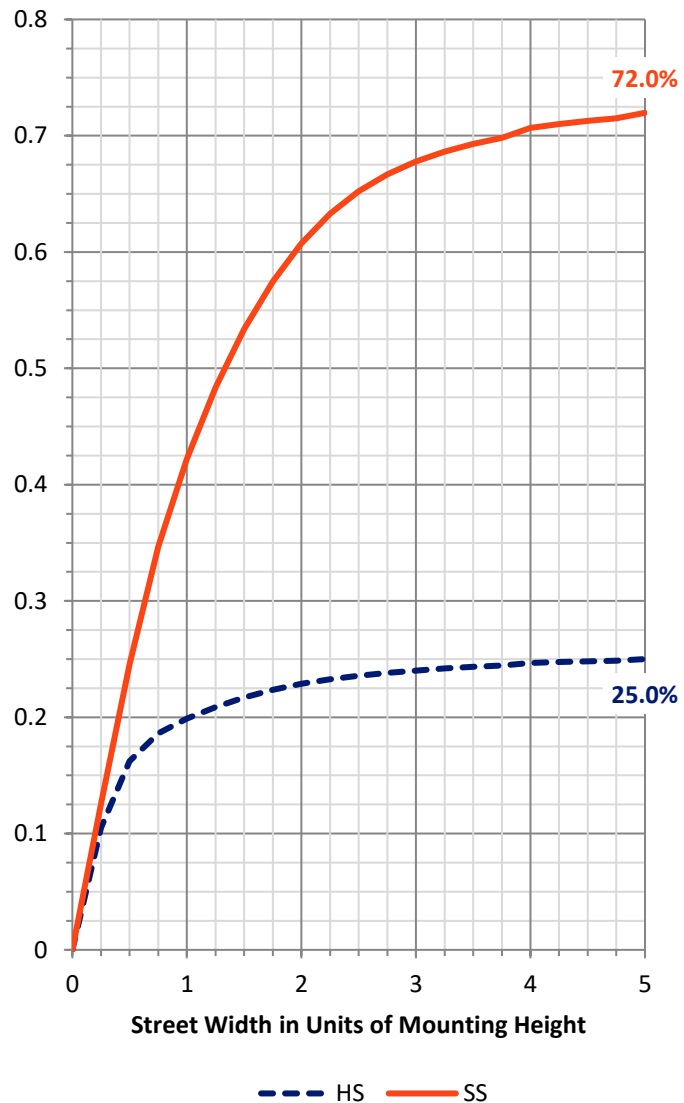
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2156.4	40.6	2197.0
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	6178.8	100.2	6279.0
	% Fixture	72.9	1.2	74.1
Total	Lumens	8335.2	140.8	8476.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	1.8
10°-20°	469.0	5.5
20°-30°	794.4	9.4
30°-40°	1096.6	12.9
40°-50°	948.4	11.2
50°-60°	1373.1	16.2
60°-70°	1797.3	21.2
70°-80°	1362.7	16.1
80°-90°	340.0	4.0
90°-100°	100.0	1.2
100°-110°	23.2	0.3
110°-120°	10.3	0.1
120°-130°	6.7	0.1
130°-140°	0.6	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°	8335.2	98.3
0°-180°	8476.0	100.0

Coefficient of Utilization



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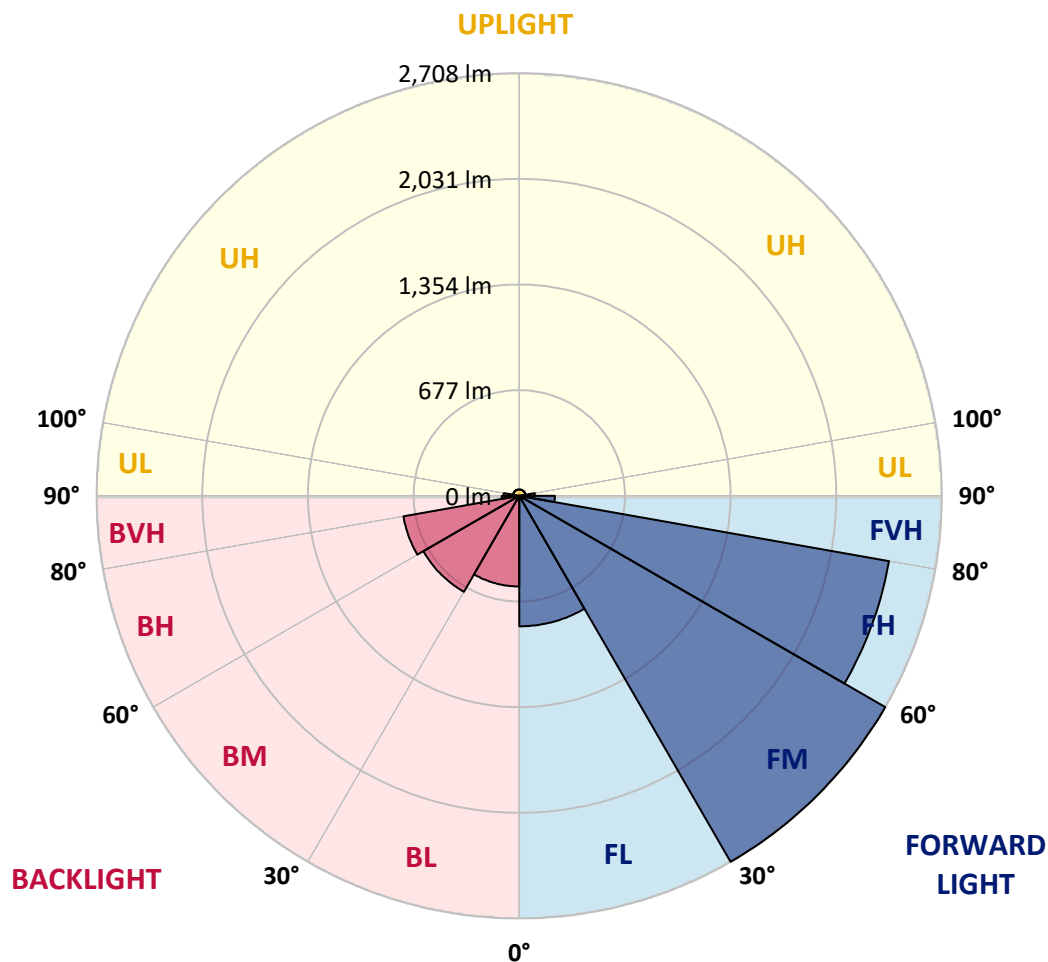
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	836.2	9.9			
FM	(30°-60°)	2708.1	31.9			
FH	(60°-80°)	2406.2	28.4			G2/5000
FVH	(80°-90°)	228.4	2.7			G3/500
BL	(0°-30°)	580.8	6.9	B2/1000		
BM	(30°-60°)	710.0	8.4	B1/1000		
BH	(60°-80°)	753.9	8.9	B2/1000		G2/1000
BVH	(80°-90°)	111.6	1.3			G2/225
UL	(90°-100°)	100.0	1.2		U3/500	
UH	(100°-180°)	40.8	0.5		U2/50	

BUG Rating: B2-U3-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7
2.5°	1542.5	1542.5	1539.2	1542.5	1549.0	1555.5	1549.0	1552.2	1555.5	1562.0	1565.2
5°	1600.9	1597.7	1591.2	1584.7	1578.2	1578.2	1571.7	1568.4	1574.9	1594.4	1600.9
7.5°	1649.6	1639.9	1633.4	1636.6	1626.9	1610.7	1597.7	1591.2	1584.7	1610.7	1620.4
10°	1727.6	1721.1	1698.3	1678.9	1665.9	1639.9	1610.7	1607.4	1604.2	1630.1	1636.6
12.5°	1805.5	1799.0	1786.0	1766.5	1724.3	1701.6	1656.1	1636.6	1633.4	1649.6	1636.6
15°	1919.2	1906.2	1870.4	1851.0	1808.7	1773.0	1717.8	1688.6	1695.1	1672.4	1665.9
17.5°	1984.1	1977.6	1974.4	1945.1	1912.7	1851.0	1799.0	1756.8	1769.8	1717.8	1698.3
20°	2055.5	2052.3	2058.8	2062.0	2019.8	1964.6	1899.7	1834.7	1838.0	1769.8	1730.8
22.5°	2146.5	2136.7	2149.7	2165.9	2130.2	2084.8	2000.3	1948.4	1922.4	1831.5	1786.0
25°	2253.6	2250.4	2250.4	2279.6	2273.1	2211.4	2130.2	2071.8	2045.8	1922.4	1854.2
27.5°	2364.0	2367.3	2373.8	2393.3	2403.0	2367.3	2289.3	2237.4	2188.7	2026.3	1958.1
30°	2435.5	2435.5	2480.9	2510.2	2523.2	2523.2	2429.0	2390.0	2341.3	2159.5	2075.0
32.5°	2523.2	2529.6	2571.9	2620.6	2640.1	2666.0	2588.1	2558.9	2516.7	2325.1	2247.1
35°	2584.9	2594.6	2659.5	2734.2	2786.2	2799.2	2753.7	2766.7	2747.2	2542.6	2500.4
37.5°	2315.3	2341.3	2438.7	2584.9	2724.5	2860.9	2909.6	2974.5	2984.3	2747.2	2646.5
40°	2016.6	2026.3	2136.7	2243.9	2416.0	2526.4	2649.8	2792.7	2714.7	2458.2	2438.7
42.5°	1789.3	1831.5	1984.1	2065.3	2198.4	2224.4	2162.7	2071.8	1932.1	1909.4	1899.7
45°	1750.3	1792.5	1945.1	2078.3	2143.2	1825.0	1652.9	1532.7	1587.9	1724.3	1708.1
47.5°	1932.1	1984.1	2143.2	2295.8	2162.7	1808.7	1695.1	1691.8	1646.4	1880.2	1922.4
50°	2042.6	2084.8	2269.9	2266.6	2159.5	1987.3	2049.0	1980.9	1899.7	2299.1	2536.1
52.5°	2097.8	2136.7	2201.7	2282.9	2292.6	2279.6	2295.8	2240.6	2117.2	2669.3	2847.9
55°	1945.1	2042.6	2325.1	2464.7	2523.2	2487.4	2497.2	2458.2	2377.0	2899.8	3172.6
57.5°	2435.5	2487.4	2591.3	2627.1	2662.8	2646.5	2659.5	2646.5	2571.9	3071.9	3338.2
60°	2718.0	2718.0	2763.5	2705.0	2724.5	2779.7	2818.7	2818.7	2740.7	3198.6	3406.4
62.5°	3020.0	2994.0	2818.7	2727.7	2750.5	2873.9	2932.3	2925.8	2844.6	3218.1	3422.7
65°	2961.5	2916.1	2854.4	2656.3	2682.3	2854.4	2935.6	2932.3	2847.9	3146.6	3370.7
67.5°	2526.4	2568.6	2643.3	2627.1	2562.1	2760.2	2886.8	2893.3	2795.9	3026.5	3276.5
70°	2188.7	2214.7	2260.1	2396.5	2425.7	2630.3	2831.6	2860.9	2731.0	2886.8	3143.4
72.5°	1906.2	1922.4	1886.7	2026.3	2130.2	2399.8	2636.8	2692.0	2558.9	2646.5	2919.3
75°	1630.1	1594.4	1552.2	1613.9	1695.1	1980.9	2269.9	2380.3	2263.4	2318.6	2588.1
77.5°	1266.4	1214.5	1172.3	1188.5	1263.2	1510.0	1789.3	1964.6	1860.7	1857.5	2071.8
80°	863.8	818.3	789.1	782.6	837.8	990.4	1191.8	1399.6	1308.7	1221.0	1315.2
82.5°	539.1	539.1	513.1	474.1	470.9	500.1	539.1	591.0	558.5	545.5	574.8
85°	337.7	341.0	328.0	285.8	276.0	282.5	302.0	315.0	305.2	315.0	324.7
87.5°	237.1	233.8	217.6	211.1	207.8	217.6	233.8	240.3	240.3	250.0	250.0
90°	178.6	178.6	168.9	165.6	165.6	175.4	191.6	204.6	214.3	230.6	230.6
92.5°	149.4	149.4	142.9	139.6	139.6	142.9	155.9	172.1	181.8	198.1	191.6
95°	123.4	123.4	120.2	120.2	120.2	123.4	129.9	139.6	142.9	142.9	142.9
97.5°	97.4	94.2	90.9	90.9	90.9	94.2	97.4	107.2	110.4	100.7	100.7
100°	68.2	64.9	61.7	64.9	64.9	64.9	68.2	71.4	71.4	64.9	61.7
102.5°	42.2	42.2	42.2	42.2	39.0	39.0	39.0	39.0	35.7	32.5	32.5
105°	29.2	29.2	26.0	26.0	26.0	26.0	22.7	22.7	22.7	19.5	19.5
107.5°	22.7	22.7	22.7	22.7	22.7	19.5	19.5	19.5	19.5	16.2	16.2
110°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	16.2	16.2	13.0	13.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	19.5	19.5	19.5	19.5	19.5	16.2	16.2	16.2	16.2	13.0	13.0
115°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	13.0	13.0
117.5°	16.2	16.2	16.2	16.2	16.2	16.2	13.0	13.0	13.0	16.2	13.0
120°	16.2	16.2	16.2	16.2	13.0	13.0	13.0	13.0	13.0	13.0	13.0
122.5°	16.2	16.2	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
125°	13.0	13.0	13.0	13.0	9.7	9.7	9.7	9.7	9.7	9.7	9.7
127.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
130°	9.7	9.7	9.7	9.7	9.7	9.7	6.5	6.5	6.5	6.5	6.5
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7
2.5°	1565.2	1571.7	1584.7	1600.9	1613.9	1623.7	1630.1	1636.6	1636.6	1630.1	1636.6
5°	1600.9	1607.4	1630.1	1646.4	1646.4	1636.6	1630.1	1626.9	1633.4	1636.6	1643.1
7.5°	1630.1	1636.6	1626.9	1633.4	1639.9	1630.1	1617.2	1607.4	1597.7	1587.9	1594.4
10°	1633.4	1617.2	1617.2	1610.7	1587.9	1591.2	1587.9	1571.7	1558.7	1562.0	1565.2
12.5°	1630.1	1623.7	1597.7	1584.7	1574.9	1542.5	1529.5	1539.2	1519.7	1529.5	1516.5
15°	1659.4	1626.9	1600.9	1568.4	1532.7	1516.5	1493.8	1461.3	1448.3	1451.5	1454.8
17.5°	1678.9	1646.4	1584.7	1526.2	1506.7	1454.8	1428.8	1412.6	1389.8	1393.1	1406.1
20°	1711.3	1662.6	1574.9	1513.2	1419.1	1383.3	1350.9	1331.4	1311.9	1282.7	1269.7
22.5°	1756.8	1695.1	1562.0	1448.3	1367.1	1305.4	1234.0	1185.3	1159.3	1139.8	1136.6
25°	1815.2	1743.8	1565.2	1419.1	1289.2	1198.3	1136.6	1052.1	990.4	983.9	993.7
27.5°	1922.4	1799.0	1584.7	1373.6	1224.2	1084.6	970.9	912.5	841.1	824.8	824.8
30°	2026.3	1886.7	1571.7	1334.6	1113.8	958.0	805.3	694.9	656.0	626.7	623.5
32.5°	2217.9	2010.1	1639.9	1276.2	1013.2	769.6	600.8	480.6	454.6	444.9	441.6
35°	2393.3	2178.9	1646.4	1201.5	863.8	597.5	431.9	350.7	334.5	324.7	321.5
37.5°	2581.6	2341.3	1711.3	1139.8	717.7	422.1	311.7	250.0	230.6	217.6	211.1
40°	2364.0	2146.5	1682.1	1035.9	532.6	269.5	194.8	136.4	116.9	116.9	116.9
42.5°	1851.0	1630.1	1272.9	837.8	311.7	155.9	97.4	94.2	97.4	100.7	100.7
45°	1639.9	1350.9	779.4	444.9	129.9	87.7	77.9	74.7	84.4	94.2	97.4
47.5°	1928.9	1607.4	600.8	311.7	139.6	87.7	71.4	71.4	68.2	61.7	61.7
50°	2607.6	2169.2	688.4	357.2	175.4	97.4	71.4	61.7	61.7	64.9	68.2
52.5°	2942.1	2416.0	811.8	464.4	256.5	133.1	77.9	61.7	55.2	45.5	45.5
55°	3231.1	2610.8	961.2	600.8	376.7	207.8	110.4	64.9	55.2	45.5	42.2
57.5°	3325.2	2633.6	1120.3	756.6	513.1	324.7	191.6	90.9	58.5	48.7	45.5
60°	3338.2	2659.5	1240.5	922.2	668.9	474.1	315.0	165.6	74.7	58.5	55.2
62.5°	3354.5	2666.0	1331.4	1042.4	824.8	643.0	454.6	263.0	113.7	68.2	64.9
65°	3296.0	2588.1	1308.7	1016.4	870.3	711.2	522.8	308.5	129.9	77.9	74.7
67.5°	3198.6	2519.9	1214.5	935.2	785.8	620.2	448.1	250.0	120.2	90.9	87.7
70°	3120.7	2451.7	1165.8	928.7	727.4	542.3	360.5	181.8	142.9	123.4	116.9
72.5°	2929.1	2289.3	1126.8	925.5	727.4	529.3	350.7	194.8	194.8	198.1	185.1
75°	2607.6	2045.8	1068.4	899.5	711.2	526.1	337.7	211.1	211.1	188.3	178.6
77.5°	2153.0	1675.6	945.0	821.6	646.2	464.4	276.0	175.4	168.9	146.1	139.6
80°	1425.6	1201.5	753.4	678.7	532.6	373.4	204.6	136.4	126.6	107.2	100.7
82.5°	639.7	574.8	477.4	480.6	383.2	266.3	139.6	94.2	87.7	71.4	68.2
85°	350.7	331.2	259.8	227.3	194.8	139.6	81.2	61.7	52.0	39.0	39.0
87.5°	266.3	256.5	191.6	149.4	113.7	81.2	52.0	39.0	29.2	19.5	16.2
90°	243.5	230.6	155.9	120.2	90.9	64.9	42.2	26.0	19.5	13.0	9.7
92.5°	204.6	194.8	126.6	100.7	77.9	58.5	35.7	19.5	13.0	6.5	6.5
95°	149.4	146.1	94.2	77.9	61.7	48.7	29.2	16.2	9.7	6.5	3.2
97.5°	100.7	97.4	68.2	58.5	48.7	35.7	22.7	13.0	6.5	3.2	3.2
100°	61.7	61.7	42.2	39.0	32.5	26.0	16.2	9.7	6.5	3.2	3.2
102.5°	32.5	29.2	22.7	22.7	19.5	16.2	13.0	6.5	3.2	0.0	0.0
105°	19.5	16.2	16.2	13.0	13.0	9.7	9.7	6.5	3.2	0.0	0.0
107.5°	16.2	13.0	13.0	9.7	9.7	6.5	6.5	3.2	3.2	0.0	0.0
110°	13.0	13.0	9.7	9.7	6.5	6.5	6.5	3.2	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	9.7	9.7	6.5	6.5	6.5	3.2	3.2	0.0	0.0	0.0
115°	13.0	9.7	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0
117.5°	13.0	9.7	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0
120°	13.0	9.7	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0
122.5°	13.0	9.7	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0
125°	9.7	6.5	6.5	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0
127.5°	9.7	6.5	6.5	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0
130°	6.5	6.5	6.5	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)