

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: P691848

Luminaire Tested: **CRTK2-C01H-D-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8744 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 70.2
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

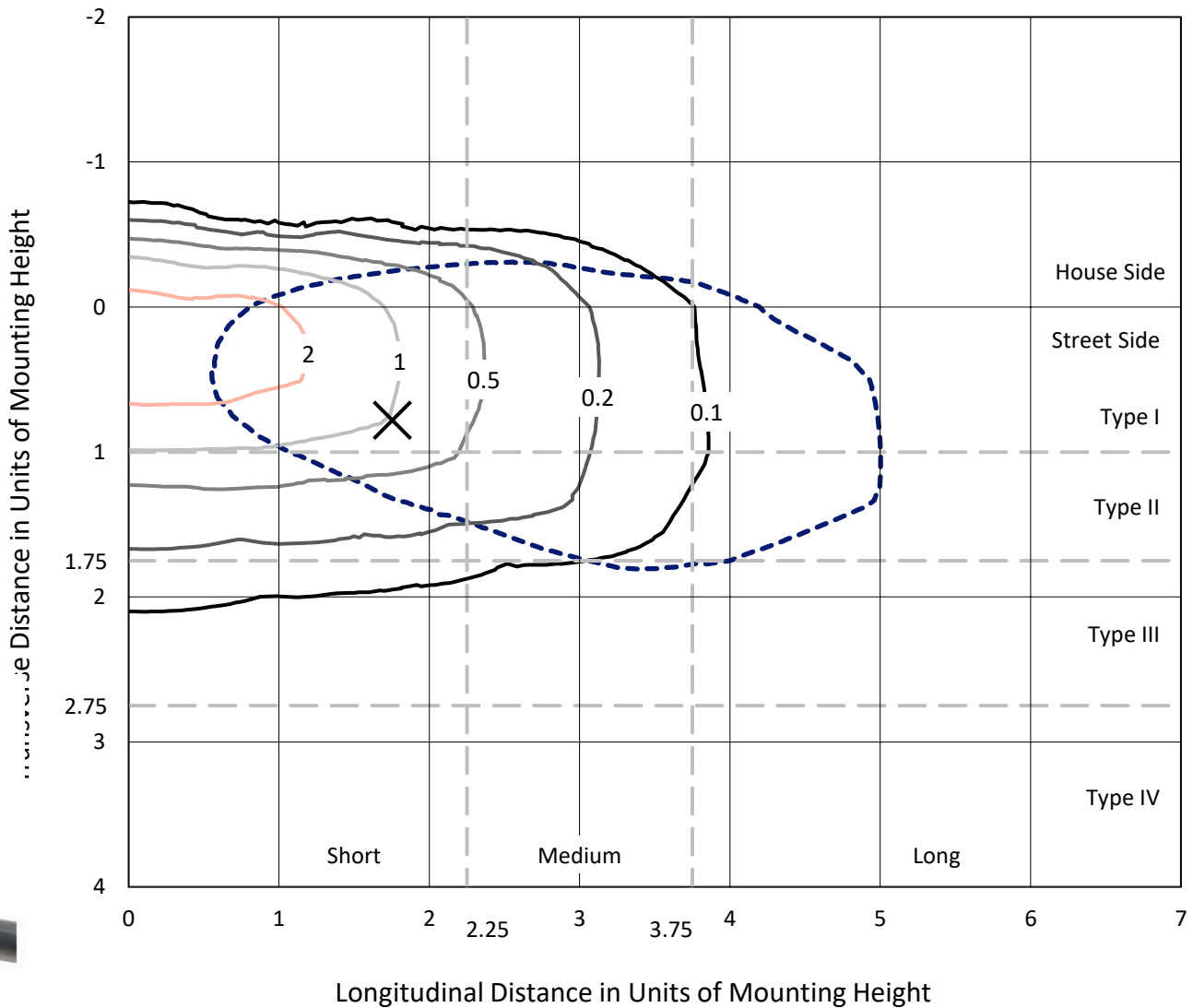


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

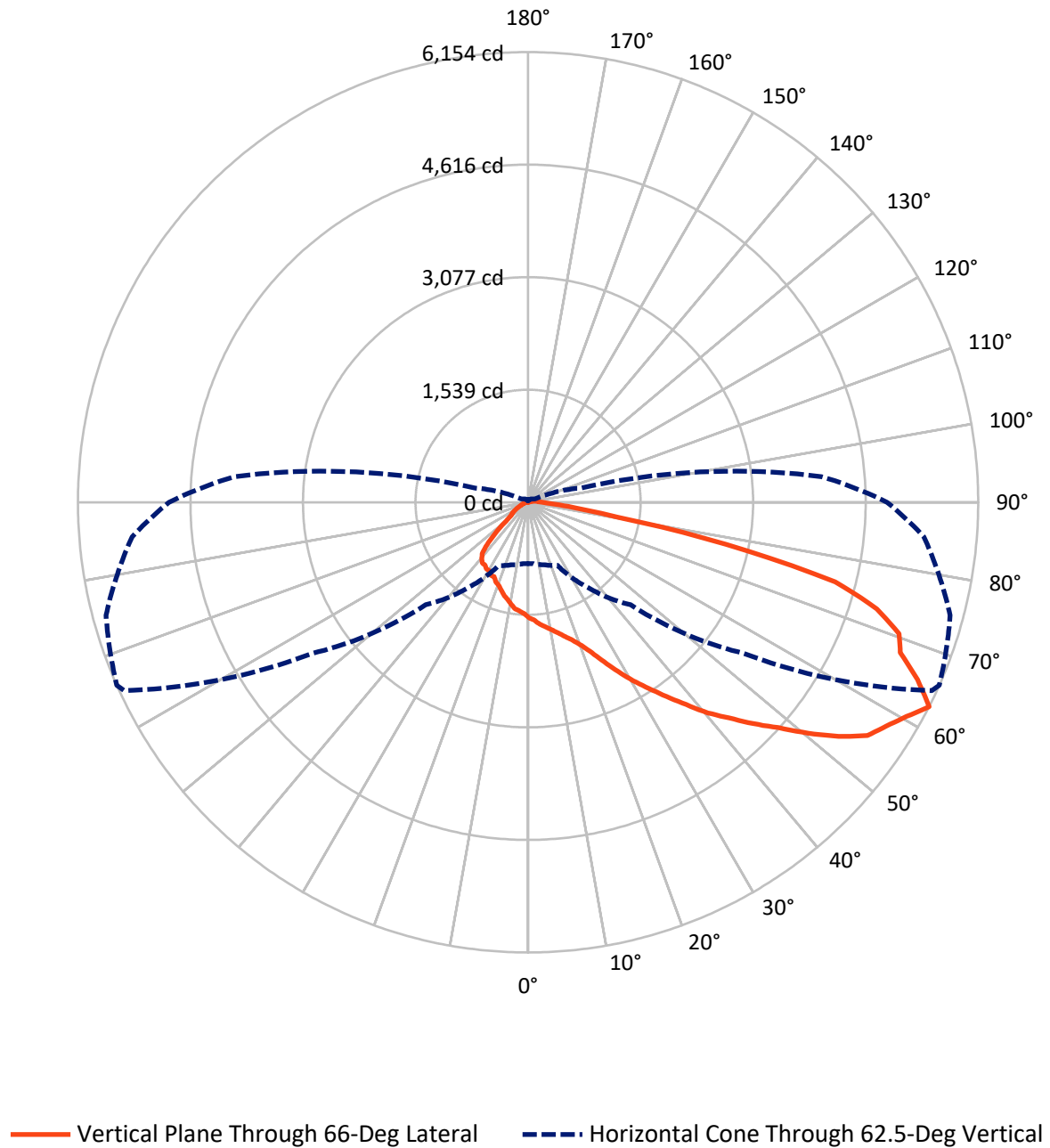


Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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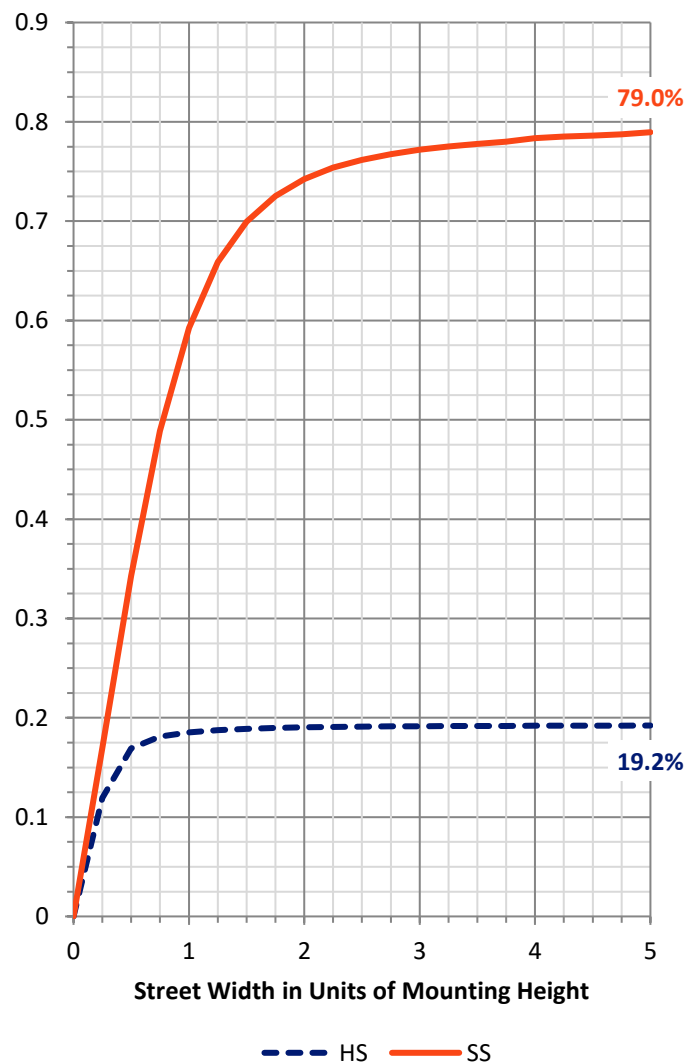
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1704.8	24.0	1728.8
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	6948.5	66.7	7015.1
	% Fixture	79.5	0.8	80.2
Total	Lumens	8653.3	90.7	8744.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.1	1.7
10°-20°	440.0	5.0
20°-30°	740.3	8.5
30°-40°	1100.9	12.6
40°-50°	1456.6	16.7
50°-60°	1696.0	19.4
60°-70°	1693.1	19.4
70°-80°	1136.2	13.0
80°-90°	240.1	2.7
90°-100°	73.1	0.8
100°-110°	12.8	0.1
110°-120°	0.9	0.0
120°-130°	1.1	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8653.3	99.0
0°-180°	8744.0	100.0

Coefficient of Utilization



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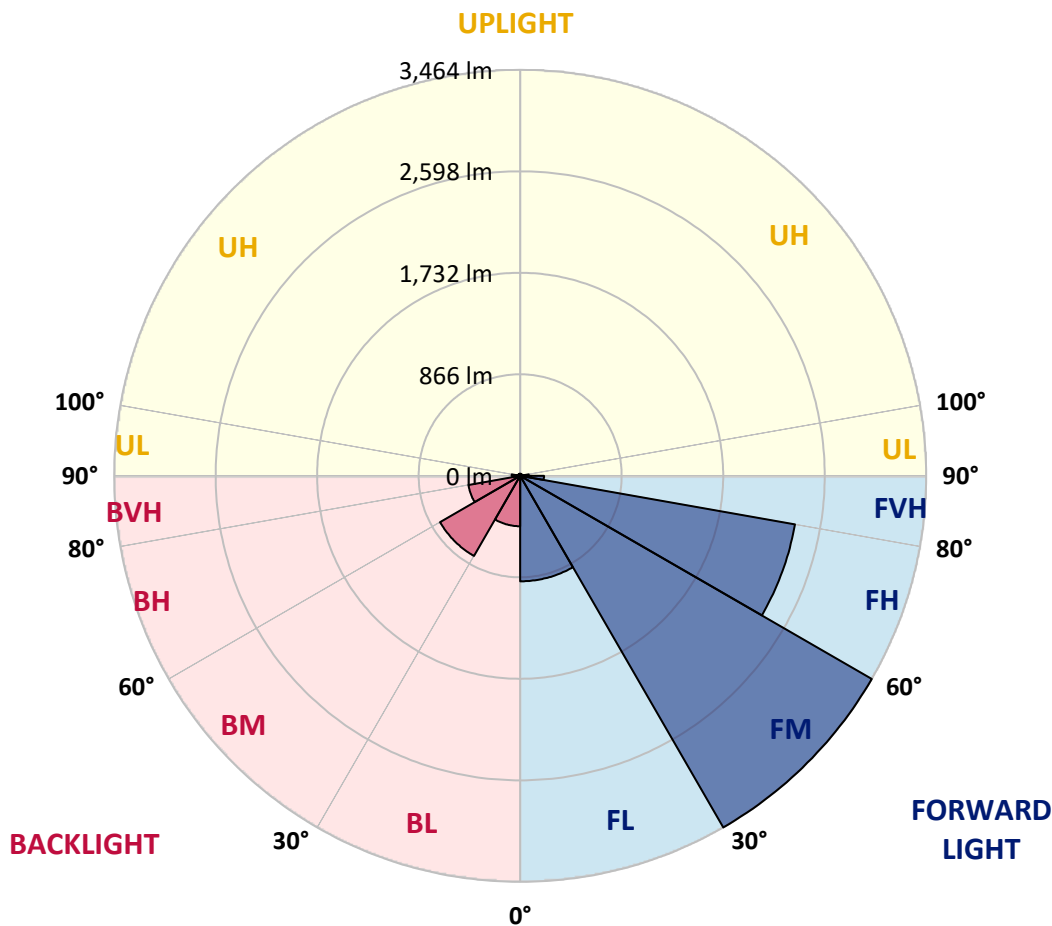
CATALOG NUMBER: CRTK2-C01H-D-U-T2-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	900.2	10.3			
FM	(30°-60°)	3464.1	39.6			
FH	(60°-80°)	2381.0	27.2			G2/5000
FVH	(80°-90°)	203.2	2.3			G2/225
BL	(0°-30°)	430.1	4.9	B1/500		
BM	(30°-60°)	789.4	9.0	B1/1000		
BH	(60°-80°)	448.3	5.1	B1/500		G1/500
BVH	(80°-90°)	36.9	0.4			G1/100
UL	(90°-100°)	73.1	0.8		U3/500	
UH	(100°-180°)	17.6	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8
2.5°	1686.4	1676.7	1679.9	1663.8	1647.6	1637.9	1628.2	1612.1	1612.1	1599.2	1583.0
5°	1805.9	1809.1	1805.9	1786.5	1767.1	1738.1	1702.5	1673.5	1673.5	1644.4	1605.6
7.5°	1886.7	1883.5	1883.5	1860.8	1847.9	1831.8	1789.8	1725.2	1721.9	1683.2	1634.7
10°	1919.0	1922.2	1935.1	1902.8	1889.9	1867.3	1844.7	1780.1	1773.6	1709.0	1631.5
12.5°	1990.1	1993.3	1986.8	1961.0	1944.8	1928.7	1893.1	1838.2	1831.8	1760.7	1654.1
15°	2074.1	2074.1	2064.4	2038.5	2028.8	2006.2	1964.2	1912.5	1906.1	1825.3	1696.1
17.5°	2119.3	2125.7	2125.7	2090.2	2093.4	2083.7	2061.1	1993.3	1983.6	1909.3	1754.2
20°	2141.9	2145.1	2151.6	2151.6	2148.4	2145.1	2158.1	2096.7	2090.2	2003.0	1822.1
22.5°	2206.5	2213.0	2229.1	2219.4	2229.1	2242.1	2245.3	2242.1	2232.4	2138.7	1935.1
25°	2235.6	2255.0	2277.6	2306.7	2335.7	2355.1	2400.4	2423.0	2416.5	2326.0	2112.8
27.5°	2203.3	2222.7	2303.4	2358.4	2448.8	2503.7	2587.7	2623.3	2620.0	2545.7	2297.0
30°	2258.2	2264.7	2300.2	2377.7	2494.0	2645.9	2762.2	2817.1	2830.0	2762.2	2490.8
32.5°	2177.4	2200.1	2300.2	2445.6	2620.0	2781.6	2894.6	3017.4	3033.6	3004.5	2746.0
35°	2171.0	2187.1	2242.1	2400.4	2623.3	2923.7	3078.8	3246.8	3259.7	3269.4	3004.5
37.5°	2080.5	2103.1	2213.0	2413.3	2720.2	3017.4	3233.9	3476.1	3508.5	3547.2	3220.9
40°	1980.4	1996.5	2090.2	2303.4	2697.6	3127.2	3382.5	3754.0	3786.3	3834.7	3508.5
42.5°	1831.8	1867.3	2025.6	2255.0	2684.6	3159.5	3531.1	3999.5	4028.6	4096.4	3750.7
45°	1699.3	1715.5	1838.2	2090.2	2581.3	3217.7	3657.1	4287.0	4316.1	4348.4	3941.4
47.5°	1595.9	1615.3	1731.6	1957.8	2477.9	3204.8	3773.4	4571.3	4603.6	4677.9	4177.2
50°	1266.4	1314.9	1608.8	1828.5	2306.7	3178.9	3873.5	4887.9	4962.2	4991.3	4422.7
52.5°	1088.7	1104.9	1256.7	1712.2	2138.7	3085.2	3960.7	5233.6	5317.6	5262.7	4752.2
55°	1014.4	1024.1	1098.4	1482.9	1986.8	2894.6	4031.8	5566.4	5627.7	5453.3	4994.5
57.5°	959.5	975.6	1008.0	1201.8	1809.1	2574.8	4035.0	5750.5	5773.1	5611.6	5110.8
60°	888.4	894.9	962.7	1046.7	1608.8	2242.1	3925.2	5844.2	5944.3	5795.7	5346.7
62.5°	836.7	843.2	885.2	953.0	1418.2	1980.4	3602.1	6092.9	6154.3	5973.4	5433.9
65°	772.1	781.8	817.3	885.2	1285.8	1822.1	3440.6	6028.3	5850.7	5931.4	5534.1
67.5°	704.3	710.7	749.5	801.2	1095.2	1670.2	3040.0	5618.0	5488.8	5721.4	5265.9
70°	633.2	639.7	675.2	710.7	901.3	1482.9	2532.8	5269.1	5379.0	5391.9	5013.9
72.5°	558.9	565.4	597.7	626.7	746.3	1247.0	2012.7	4920.2	4988.1	4791.0	4429.2
75°	484.6	487.8	513.7	542.7	620.3	1004.7	1440.9	4080.3	4338.7	4577.8	3821.8
77.5°	390.9	397.4	423.2	432.9	497.5	810.9	933.6	2426.2	2765.4	4006.0	3430.9
80°	287.5	290.8	316.6	313.4	371.5	591.2	588.0	1153.3	1240.6	2474.7	2519.9
82.5°	190.6	197.1	219.7	213.2	252.0	358.6	368.3	620.3	662.3	959.5	1104.9
85°	151.8	155.1	168.0	155.1	168.0	180.9	203.5	374.8	381.2	568.6	565.4
87.5°	122.8	126.0	138.9	129.2	132.5	138.9	161.5	239.1	245.5	358.6	371.5
90°	96.9	100.1	116.3	106.6	106.6	116.3	135.7	177.7	187.4	281.1	303.7
92.5°	64.6	64.6	74.3	71.1	71.1	84.0	119.5	132.5	142.1	261.7	274.6
95°	48.5	48.5	51.7	51.7	51.7	61.4	90.5	126.0	138.9	255.2	248.8
97.5°	32.3	32.3	35.5	35.5	35.5	38.8	51.7	103.4	116.3	206.8	203.5
100°	22.6	22.6	22.6	19.4	19.4	19.4	29.1	67.8	77.5	132.5	132.5
102.5°	16.2	12.9	12.9	12.9	9.7	9.7	12.9	32.3	35.5	71.1	67.8
105°	3.2	3.2	6.5	6.5	6.5	3.2	3.2	12.9	12.9	29.1	29.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	3.2
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°	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8	1579.8
2.5°	1573.3	1563.6	1541.0	1521.6	1505.5	1489.3	1463.5	1453.8	1447.3	1457.0	1457.0
5°	1583.0	1557.2	1518.4	1486.1	1457.0	1421.5	1382.7	1360.1	1340.7	1350.4	1350.4
7.5°	1599.2	1563.6	1515.2	1460.2	1385.9	1324.6	1276.1	1247.0	1230.9	1240.6	1247.0
10°	1589.5	1550.7	1486.1	1402.1	1314.9	1250.2	1188.9	1143.6	1127.5	1121.0	1127.5
12.5°	1599.2	1553.9	1444.1	1343.9	1259.9	1156.6	1082.3	1033.8	1014.4	1014.4	1014.4
15°	1631.5	1563.6	1418.2	1301.9	1172.7	1072.6	995.0	943.3	936.9	914.3	914.3
17.5°	1676.7	1573.3	1408.6	1237.3	1095.2	991.8	901.3	849.7	833.5	836.7	836.7
20°	1721.9	1592.7	1389.2	1182.4	1024.1	901.3	807.7	759.2	720.4	707.5	714.0
22.5°	1799.5	1647.6	1373.0	1153.3	943.3	827.0	723.7	642.9	578.3	558.9	549.2
25°	1912.5	1734.8	1395.6	1085.5	894.9	743.0	620.3	507.2	429.7	410.3	407.1
27.5°	2119.3	1870.5	1421.5	1085.5	817.3	668.7	494.3	374.8	313.4	294.0	300.4
30°	2313.1	2054.7	1495.8	1027.3	785.0	536.3	368.3	281.1	226.1	203.5	210.0
32.5°	2474.7	2229.1	1599.2	1014.4	691.4	397.4	268.1	197.1	158.3	145.4	148.6
35°	2707.3	2377.7	1679.9	969.2	568.6	290.8	187.4	138.9	122.8	116.3	116.3
37.5°	2930.2	2558.7	1760.7	959.5	420.0	213.2	126.0	113.1	109.8	100.1	100.1
40°	3143.4	2742.8	1796.2	904.6	297.2	138.9	106.6	103.4	100.1	90.5	90.5
42.5°	3405.1	2920.5	1828.5	833.5	206.8	103.4	93.7	96.9	93.7	84.0	80.8
45°	3605.4	3040.0	1838.2	652.6	132.5	96.9	87.2	90.5	87.2	77.5	77.5
47.5°	3773.4	3201.5	1799.5	445.8	109.8	90.5	80.8	84.0	80.8	74.3	71.1
50°	3944.6	3350.2	1763.9	239.1	103.4	87.2	77.5	71.1	74.3	67.8	64.6
52.5°	4177.2	3460.0	1670.2	145.4	96.9	80.8	71.1	64.6	64.6	58.2	61.4
55°	4497.0	3731.4	1495.8	135.7	93.7	77.5	67.8	58.2	58.2	51.7	51.7
57.5°	4639.2	3838.0	1214.7	122.8	90.5	77.5	61.4	51.7	45.2	42.0	38.8
60°	4813.6	3996.3	956.3	113.1	84.0	74.3	54.9	45.2	35.5	32.3	32.3
62.5°	4910.5	4028.6	746.3	103.4	80.8	64.6	48.5	35.5	29.1	22.6	22.6
65°	4959.0	4006.0	497.5	93.7	74.3	61.4	42.0	29.1	19.4	16.2	16.2
67.5°	4774.9	3886.4	287.5	87.2	71.1	54.9	35.5	22.6	16.2	12.9	9.7
70°	4461.5	3537.5	180.9	77.5	67.8	48.5	32.3	19.4	12.9	9.7	6.5
72.5°	4093.2	2888.2	132.5	71.1	64.6	42.0	25.8	16.2	9.7	6.5	6.5
75°	3737.8	2516.7	113.1	61.4	54.9	35.5	22.6	12.9	9.7	6.5	3.2
77.5°	2675.0	1715.5	100.1	54.9	48.5	29.1	16.2	12.9	6.5	3.2	3.2
80°	1899.6	1008.0	90.5	45.2	38.8	22.6	16.2	9.7	6.5	3.2	3.2
82.5°	911.0	523.4	87.2	38.8	29.1	19.4	12.9	9.7	6.5	3.2	3.2
85°	413.5	222.9	64.6	35.5	25.8	19.4	12.9	9.7	6.5	6.5	3.2
87.5°	252.0	116.3	51.7	29.1	19.4	16.2	9.7	6.5	6.5	6.5	6.5
90°	235.8	151.8	38.8	22.6	16.2	12.9	9.7	3.2	0.0	0.0	0.0
92.5°	226.1	174.5	29.1	16.2	9.7	9.7	3.2	0.0	0.0	0.0	0.0
95°	213.2	164.8	32.3	9.7	16.2	6.5	3.2	0.0	0.0	0.0	0.0
97.5°	168.0	129.2	35.5	9.7	80.8	6.5	3.2	0.0	0.0	0.0	0.0
100°	106.6	80.8	25.8	9.7	96.9	6.5	0.0	0.0	0.0	0.0	0.0
102.5°	61.4	45.2	12.9	9.7	29.1	3.2	0.0	0.0	0.0	0.0	0.0
105°	25.8	22.6	6.5	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
107.5°	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
110°	3.2	3.2	3.2	3.2	3.2	3.2	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°
112.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
115°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
117.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
120°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
122.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
125°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
130°	3.2	3.2	3.2	6.5	3.2	3.2	3.2	0.0	0.0	0.0	0.0
132.5°	3.2	3.2	3.2	6.5	3.2	3.2	3.2	0.0	0.0	0.0	0.0
135°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
137.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
140°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
142.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
145°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
147.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
150°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
152.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
155°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
157.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
160°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
162.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
165°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
167.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
170°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
172.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.2	3.2	3.2	3.2	3.2	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)