

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: P691759

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8423 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - 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

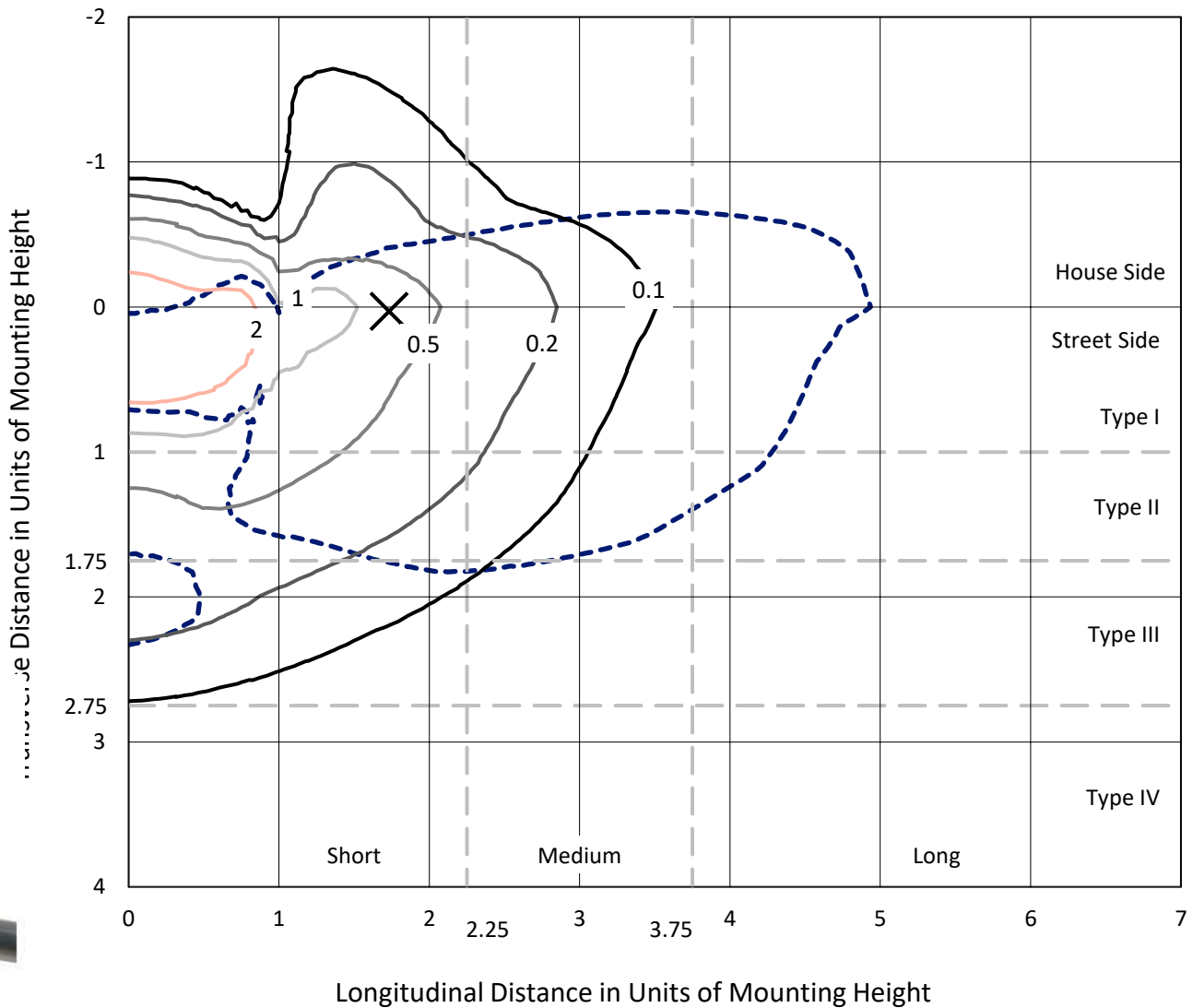


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

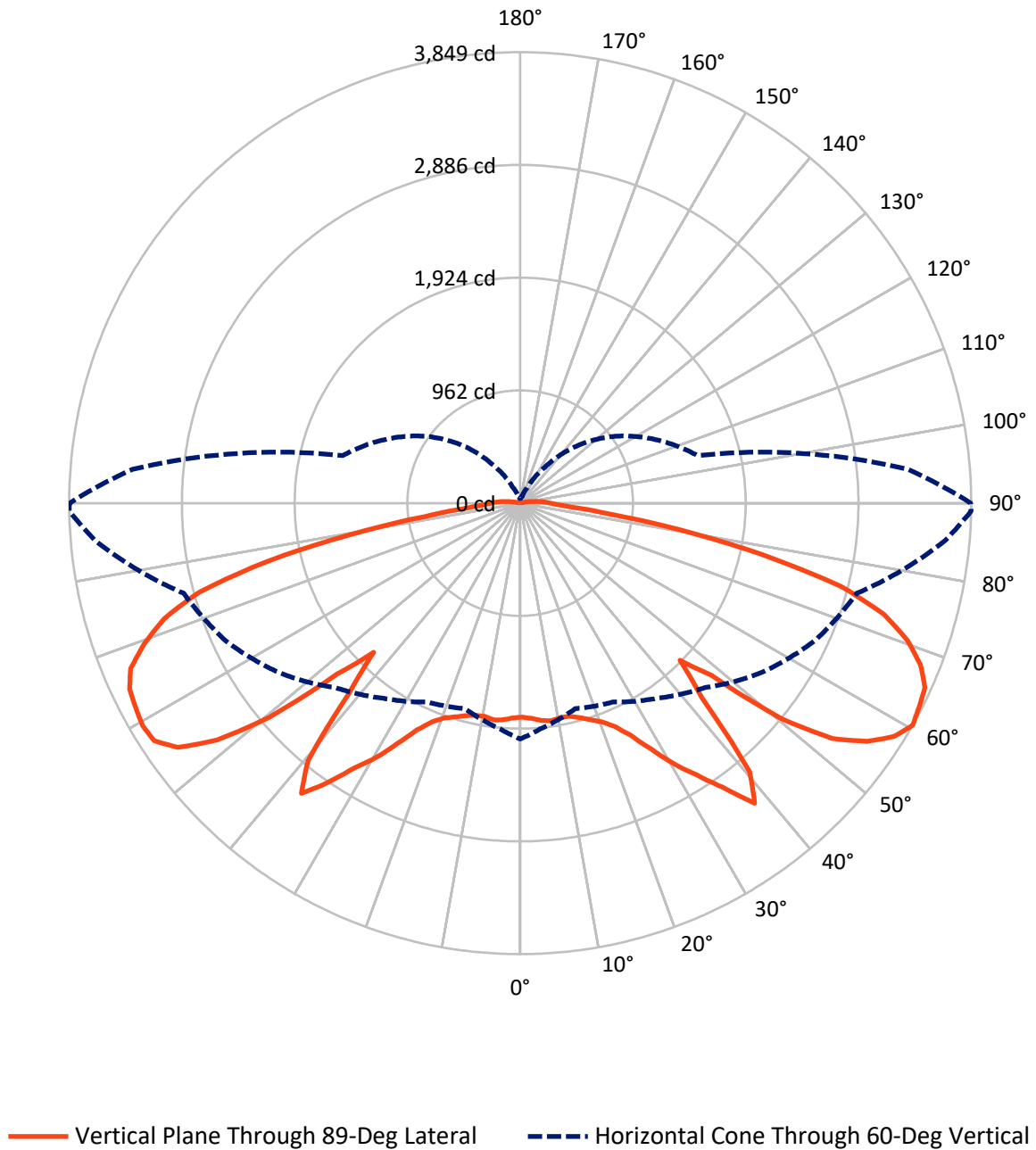


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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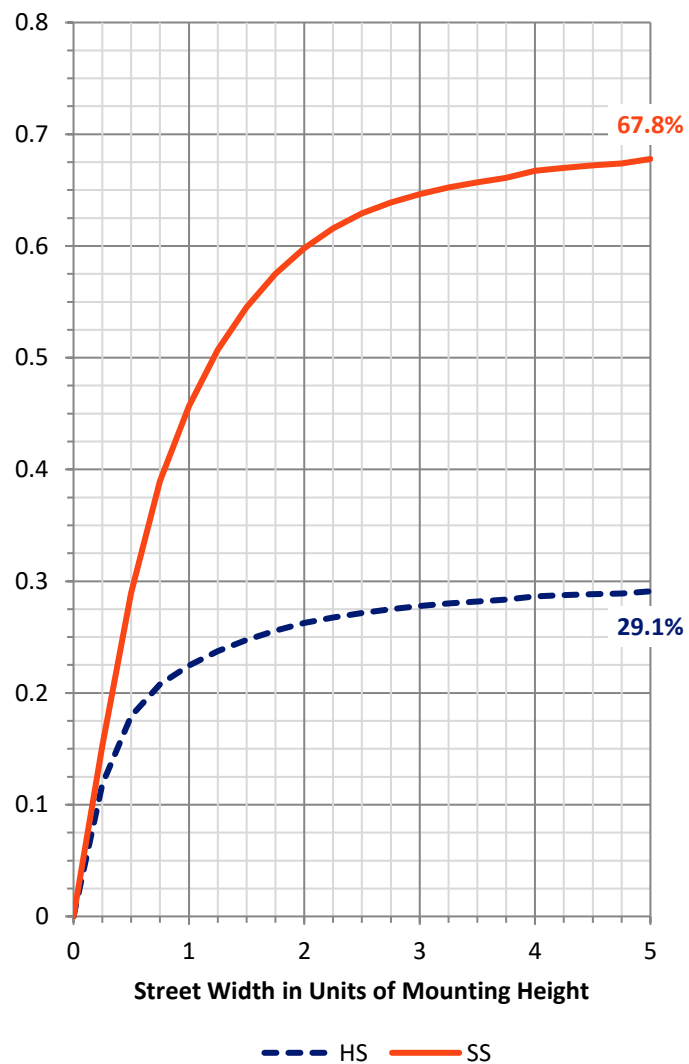
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2500.5	46.9	2547.4
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	5785.1	90.5	5875.6
	% Fixture	68.7	1.1	69.8
Total	Lumens	8285.6	137.4	8423.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.5	2.1
10°-20°	518.1	6.2
20°-30°	855.1	10.2
30°-40°	1160.0	13.8
40°-50°	966.2	11.5
50°-60°	1338.0	15.9
60°-70°	1649.2	19.6
70°-80°	1248.7	14.8
80°-90°	374.7	4.4
90°-100°	97.1	1.2
100°-110°	22.2	0.3
110°-120°	10.4	0.1
120°-130°	7.1	0.1
130°-140°	0.7	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°	8285.6	98.4
0°-180°	8423.0	100.0

Coefficient of Utilization



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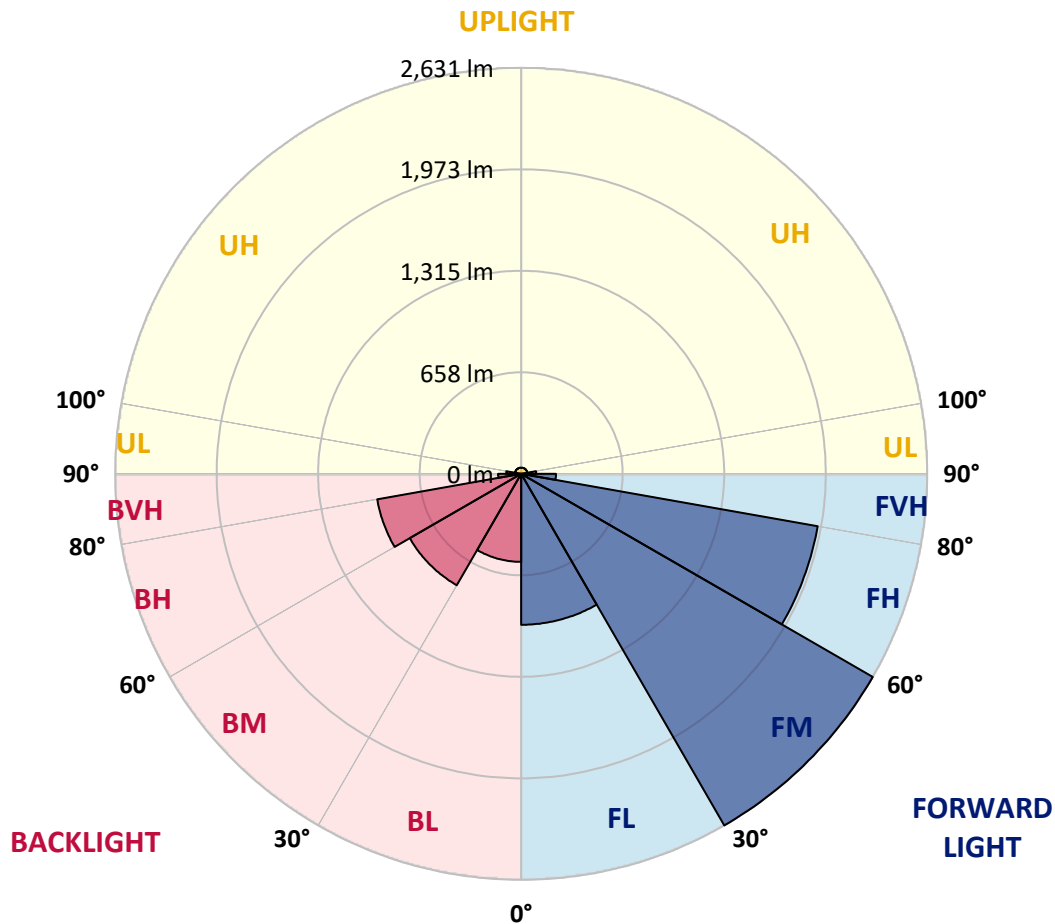
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	978.4	11.6			
FM	(30°-60°)	2630.6	31.2			
FH	(60°-80°)	1950.8	23.2			G2/5000
FVH	(80°-90°)	225.3	2.7			G3/500
BL	(0°-30°)	570.3	6.8	B2/1000		
BM	(30°-60°)	833.7	9.9	B1/1000		
BH	(60°-80°)	947.1	11.2	B2/1000		G2/1000
BVH	(80°-90°)	149.4	1.8			G2/225
UL	(90°-100°)	97.1	1.2		U3/500	
UH	(100°-180°)	40.3	0.5		U2/50	

BUG Rating: B2-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6
2.5°	1915.9	1905.8	1905.8	1905.8	1885.8	1885.8	1872.4	1865.7	1852.3	1842.3	1839.0
5°	2026.2	2019.5	2019.5	2016.2	1996.1	1982.7	1956.0	1932.6	1912.5	1879.1	1862.4
7.5°	2113.1	2103.1	2103.1	2099.8	2079.7	2063.0	2032.9	1979.4	1939.3	1902.5	1875.8
10°	2143.2	2139.9	2136.6	2126.5	2109.8	2096.4	2069.7	2019.5	1956.0	1895.8	1862.4
12.5°	2200.1	2200.1	2190.0	2176.7	2163.3	2149.9	2113.1	2073.0	2002.8	1909.2	1865.7
15°	2273.6	2267.0	2260.3	2253.6	2243.5	2223.5	2190.0	2139.9	2059.6	1946.0	1899.2
17.5°	2303.7	2300.4	2300.4	2303.7	2300.4	2287.0	2280.3	2223.5	2139.9	1996.1	1942.6
20°	2310.4	2313.8	2320.4	2343.9	2350.5	2343.9	2353.9	2320.4	2223.5	2063.0	1992.8
22.5°	2350.5	2357.2	2370.6	2394.0	2404.0	2414.1	2424.1	2450.8	2353.9	2166.6	2069.7
25°	2333.8	2340.5	2380.6	2417.4	2454.2	2484.3	2547.8	2608.0	2537.8	2320.4	2196.7
27.5°	2290.4	2303.7	2373.9	2447.5	2537.8	2618.0	2735.1	2808.6	2751.8	2514.4	2373.9
30°	2327.1	2327.1	2373.9	2480.9	2598.0	2778.5	2932.3	3015.9	2975.8	2701.6	2581.2
32.5°	2250.2	2270.3	2367.3	2527.8	2708.3	2939.0	3089.5	3236.6	3250.0	2952.4	2765.1
35°	2012.8	2046.3	2126.5	2340.5	2618.0	3019.3	3283.4	3480.7	3544.2	3253.3	2979.1
37.5°	1658.4	1681.8	1822.3	2036.2	2367.3	2751.8	3176.4	3624.4	3801.7	3447.2	3250.0
40°	1467.8	1484.6	1568.1	1745.4	2049.6	2420.8	2755.1	3186.4	3283.4	3146.3	3015.9
42.5°	1404.3	1431.1	1534.7	1698.5	1946.0	2206.8	2260.3	2420.8	2370.6	2387.3	2273.6
45°	1491.2	1501.3	1578.2	1721.9	1872.4	1942.6	1872.4	1982.7	2036.2	2026.2	1912.5
47.5°	1534.7	1551.4	1635.0	1818.9	1818.9	1822.3	1909.2	1976.1	2129.9	2273.6	2193.4
50°	1317.4	1340.8	1494.6	1641.7	1665.1	1942.6	2170.0	2300.4	2460.9	2845.4	2892.2
52.5°	1240.5	1257.2	1424.4	1718.6	1889.1	2173.3	2313.8	2434.1	2571.2	3206.5	3336.9
55°	1357.5	1387.6	1584.9	1889.1	2076.4	2246.9	2427.4	2601.3	2748.4	3490.7	3587.7
57.5°	1568.1	1625.0	1745.4	1915.9	2093.1	2246.9	2487.6	2701.6	2895.5	3601.0	3758.2
60°	2012.8	1935.9	1815.6	1872.4	2032.9	2226.8	2517.7	2775.2	2972.4	3641.2	3848.5
62.5°	2220.1	2163.3	1869.1	1792.2	1932.6	2156.6	2460.9	2775.2	2945.7	3564.3	3821.7
65°	2146.6	2099.8	1889.1	1698.5	1808.9	2059.6	2373.9	2735.1	2885.5	3467.3	3795.0
67.5°	1828.9	1782.1	1715.3	1645.0	1691.9	1962.7	2293.7	2661.5	2818.6	3387.1	3684.6
70°	1487.9	1461.1	1437.7	1491.2	1578.2	1815.6	2133.2	2497.7	2684.9	3193.1	3504.1
72.5°	1267.2	1250.5	1210.4	1263.9	1401.0	1618.3	1892.5	2256.9	2480.9	2865.5	3246.6
75°	1076.6	1066.6	1053.2	1080.0	1166.9	1370.9	1588.2	1946.0	2216.8	2501.0	2822.0
77.5°	872.7	859.3	889.4	896.1	963.0	1110.1	1250.5	1548.1	1849.0	1962.7	2106.5
80°	635.3	648.7	698.8	678.7	728.9	779.1	879.4	1009.8	1247.2	1374.2	1384.2
82.5°	444.7	458.1	504.9	454.7	468.1	471.4	508.2	555.0	652.0	759.0	772.4
85°	314.3	321.0	331.0	294.2	294.2	294.2	317.6	344.4	394.5	438.0	448.0
87.5°	224.0	224.0	237.4	224.0	220.7	217.3	230.7	240.7	270.8	300.9	307.6
90°	167.2	167.2	173.9	167.2	167.2	167.2	180.6	190.6	217.3	244.1	247.4
92.5°	120.4	120.4	130.4	127.1	127.1	130.4	143.8	150.5	173.9	200.6	204.0
95°	93.6	93.6	100.3	97.0	97.0	103.7	113.7	120.4	137.1	150.5	153.8
97.5°	66.9	66.9	70.2	70.2	70.2	70.2	76.9	86.9	107.0	107.0	103.7
100°	46.8	46.8	50.2	46.8	46.8	50.2	50.2	56.8	66.9	63.5	63.5
102.5°	33.4	33.4	33.4	33.4	33.4	30.1	30.1	33.4	36.8	33.4	33.4
105°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	20.1
107.5°	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	16.7	16.7
110°	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	13.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	13.4	13.4
115°	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	13.4	13.4
117.5°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
120°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
122.5°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
125°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.4	13.4	10.0
127.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
130°	10.0	6.7	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	6.7
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°	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6	1825.6
2.5°	1835.6	1828.9	1808.9	1785.5	1765.4	1748.7	1732.0	1718.6	1715.3	1708.6	1715.3
5°	1859.0	1835.6	1788.8	1758.7	1732.0	1705.2	1678.5	1665.1	1655.1	1648.4	1648.4
7.5°	1869.1	1835.6	1782.1	1742.0	1685.2	1628.3	1594.9	1568.1	1558.1	1568.1	1568.1
10°	1852.3	1812.2	1748.7	1688.5	1611.6	1564.8	1518.0	1494.6	1481.2	1481.2	1471.2
12.5°	1859.0	1812.2	1718.6	1628.3	1564.8	1481.2	1424.4	1397.6	1377.6	1384.2	1384.2
15°	1885.8	1822.3	1691.9	1601.6	1491.2	1424.4	1354.2	1337.4	1334.1	1324.1	1317.4
17.5°	1925.9	1832.3	1685.2	1541.4	1427.7	1347.5	1280.6	1250.5	1233.8	1223.8	1220.4
20°	1969.4	1845.7	1665.1	1484.6	1360.8	1257.2	1176.9	1136.8	1123.4	1123.4	1116.8
22.5°	2042.9	1892.5	1648.4	1457.8	1270.6	1166.9	1086.7	1029.8	1003.1	999.7	996.4
25°	2163.3	1982.7	1665.1	1397.6	1217.1	1063.3	973.0	922.8	892.7	882.7	882.7
27.5°	2347.2	2106.5	1688.5	1364.2	1106.7	966.3	866.0	789.1	745.6	749.0	752.3
30°	2544.5	2290.4	1755.4	1310.7	1036.5	829.2	708.8	648.7	608.5	595.2	588.5
32.5°	2705.0	2480.9	1852.3	1267.2	906.1	662.0	558.4	514.9	471.4	434.7	421.3
35°	2952.4	2641.4	1935.9	1203.7	799.1	541.7	451.4	384.5	347.7	331.0	324.3
37.5°	3176.4	2798.6	1999.5	1190.3	648.7	464.8	357.8	287.5	250.8	247.4	247.4
40°	2905.6	2601.3	1952.7	1083.3	511.6	361.1	257.5	204.0	177.2	163.8	163.8
42.5°	2223.5	1992.8	1487.9	902.8	367.8	244.1	163.8	153.8	150.5	137.1	137.1
45°	1862.4	1471.2	902.8	471.4	173.9	133.7	117.0	117.0	120.4	130.4	130.4
47.5°	2236.9	1738.7	665.4	337.7	170.5	117.0	103.7	93.6	86.9	83.6	83.6
50°	2895.5	2474.3	849.3	401.2	204.0	120.4	93.6	83.6	80.2	76.9	70.2
52.5°	3377.0	2898.9	1120.1	611.9	327.7	153.8	93.6	70.2	53.5	46.8	43.5
55°	3667.9	3270.0	1320.7	879.4	531.6	257.5	117.0	63.5	46.8	40.1	36.8
57.5°	3825.1	3313.5	1487.9	1120.1	782.4	458.1	204.0	76.9	46.8	36.8	36.8
60°	3845.1	3320.2	1568.1	1280.6	996.4	695.5	387.9	150.5	60.2	43.5	40.1
62.5°	3828.4	3263.3	1588.2	1344.1	1126.8	889.4	611.9	297.6	93.6	50.2	46.8
65°	3798.3	3266.7	1497.9	1287.3	1126.8	952.9	708.8	391.2	133.7	56.8	53.5
67.5°	3698.0	3256.7	1447.8	1163.6	1019.8	852.6	635.3	364.5	153.8	70.2	66.9
70°	3494.0	3136.3	1417.7	1113.4	956.3	759.0	535.0	290.9	173.9	120.4	130.4
72.5°	3263.3	2919.0	1387.6	1069.9	932.9	755.7	538.3	314.3	234.1	197.3	210.6
75°	2919.0	2541.1	1334.1	1026.5	919.5	779.1	545.0	297.6	220.7	177.2	173.9
77.5°	2246.9	2113.1	1217.1	919.5	835.9	718.9	464.8	227.4	163.8	123.7	120.4
80°	1467.8	1451.1	949.6	742.3	705.5	635.3	387.9	177.2	130.4	100.3	93.6
82.5°	829.2	795.8	591.8	468.1	498.2	514.9	314.3	133.7	100.3	80.2	73.6
85°	471.4	478.1	344.4	254.1	257.5	304.3	204.0	93.6	63.5	46.8	43.5
87.5°	324.3	334.4	224.0	170.5	153.8	143.8	107.0	56.8	36.8	23.4	16.7
90°	264.1	264.1	167.2	123.7	107.0	93.6	60.2	33.4	26.7	13.4	10.0
92.5°	214.0	224.0	140.4	100.3	83.6	73.6	46.8	23.4	16.7	10.0	6.7
95°	160.5	170.5	113.7	83.6	66.9	56.8	40.1	20.1	13.4	6.7	6.7
97.5°	110.3	110.3	80.2	63.5	53.5	43.5	30.1	16.7	10.0	6.7	6.7
100°	63.5	66.9	46.8	40.1	36.8	33.4	20.1	13.4	6.7	3.3	3.3
102.5°	33.4	33.4	23.4	23.4	20.1	20.1	16.7	10.0	6.7	3.3	3.3
105°	20.1	20.1	16.7	16.7	13.4	13.4	10.0	6.7	3.3	0.0	3.3
107.5°	16.7	16.7	13.4	13.4	10.0	10.0	6.7	6.7	3.3	0.0	0.0
110°	13.4	13.4	10.0	10.0	10.0	6.7	6.7	3.3	3.3	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.4	13.4	10.0	10.0	6.7	6.7	6.7	3.3	3.3	0.0	0.0
115°	13.4	10.0	10.0	6.7	6.7	6.7	3.3	3.3	0.0	0.0	0.0
117.5°	13.4	10.0	6.7	6.7	6.7	3.3	3.3	3.3	0.0	0.0	0.0
120°	13.4	10.0	6.7	6.7	6.7	6.7	3.3	3.3	0.0	0.0	0.0
122.5°	13.4	10.0	6.7	6.7	6.7	3.3	3.3	3.3	0.0	0.0	0.0
125°	10.0	10.0	6.7	6.7	3.3	3.3	3.3	3.3	0.0	0.0	0.0
127.5°	10.0	10.0	6.7	6.7	3.3	3.3	3.3	3.3	0.0	0.0	0.0
130°	10.0	10.0	6.7	6.7	3.3	3.3	3.3	3.3	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)