

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: P691960

Luminaire Tested: **CRTK2-C01HO-D-U-T2-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9761 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 79
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

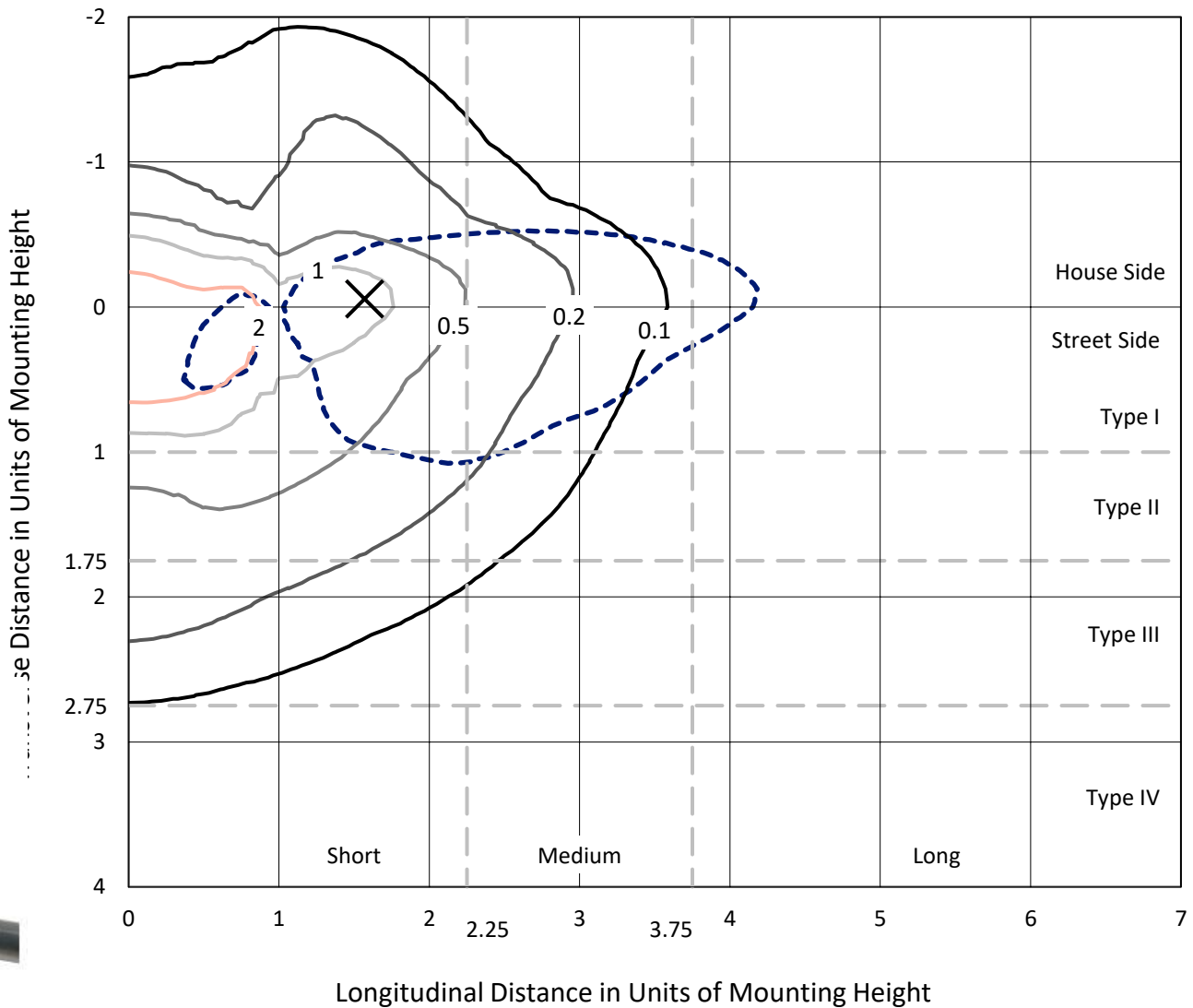


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

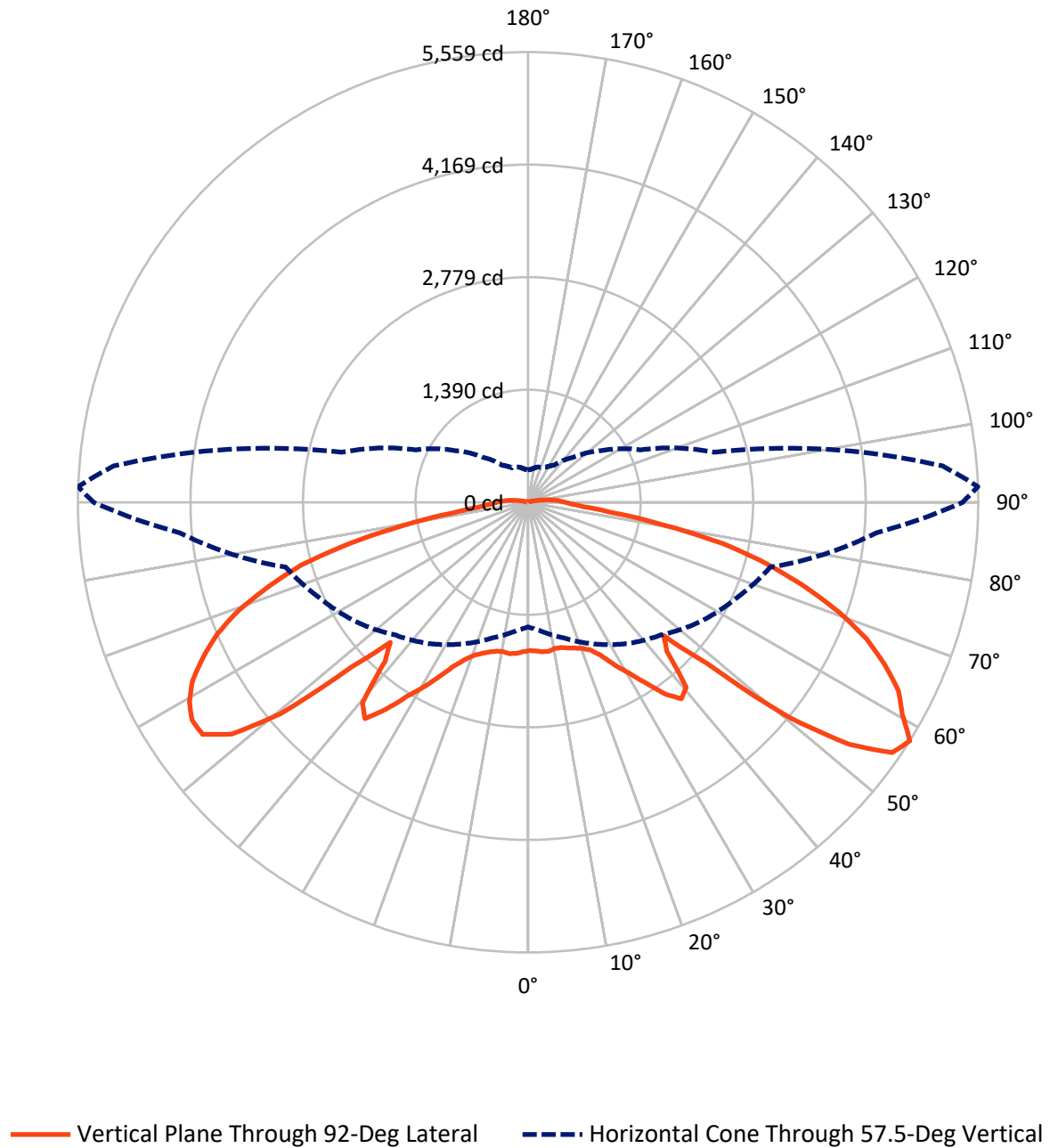


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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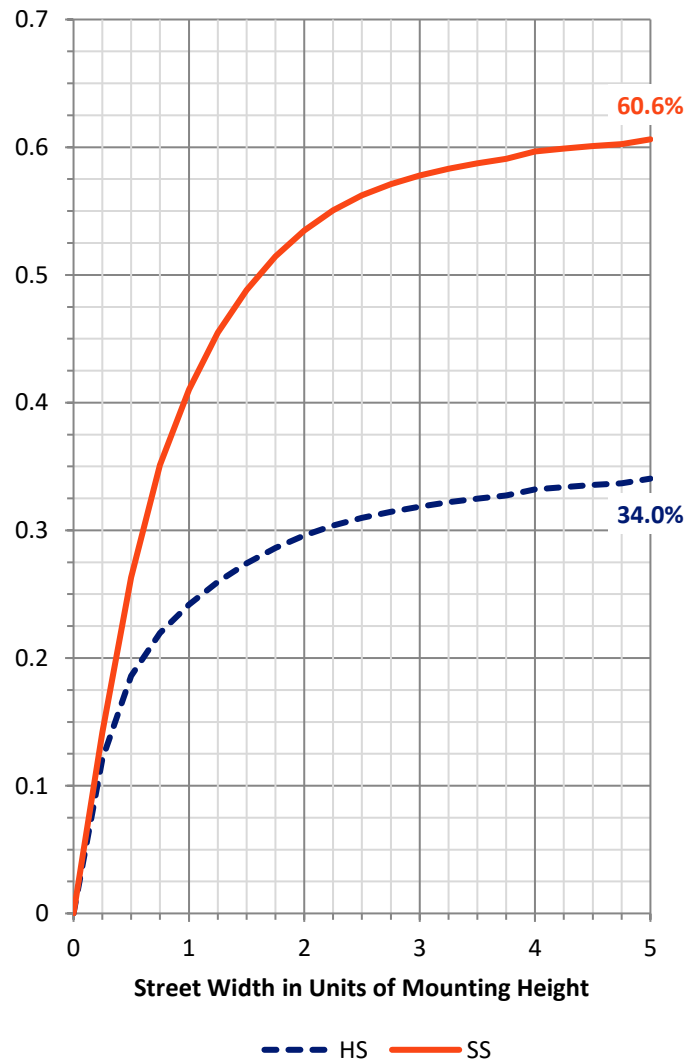
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3482.8	152.2	3635.0
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	6001.8	124.2	6126.0
	% Fixture	61.5	1.3	62.8
Total	Lumens	9484.6	276.4	9761.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.6	1.8
10°-20°	517.2	5.3
20°-30°	857.9	8.8
30°-40°	1187.3	12.2
40°-50°	1108.6	11.4
50°-60°	1656.6	17.0
60°-70°	1967.8	20.2
70°-80°	1444.2	14.8
80°-90°	569.4	5.8
90°-100°	200.5	2.1
100°-110°	47.4	0.5
110°-120°	18.3	0.2
120°-130°	9.3	0.1
130°-140°	0.8	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°	9484.6	97.2
0°-180°	9761.0	100.0

Coefficient of Utilization



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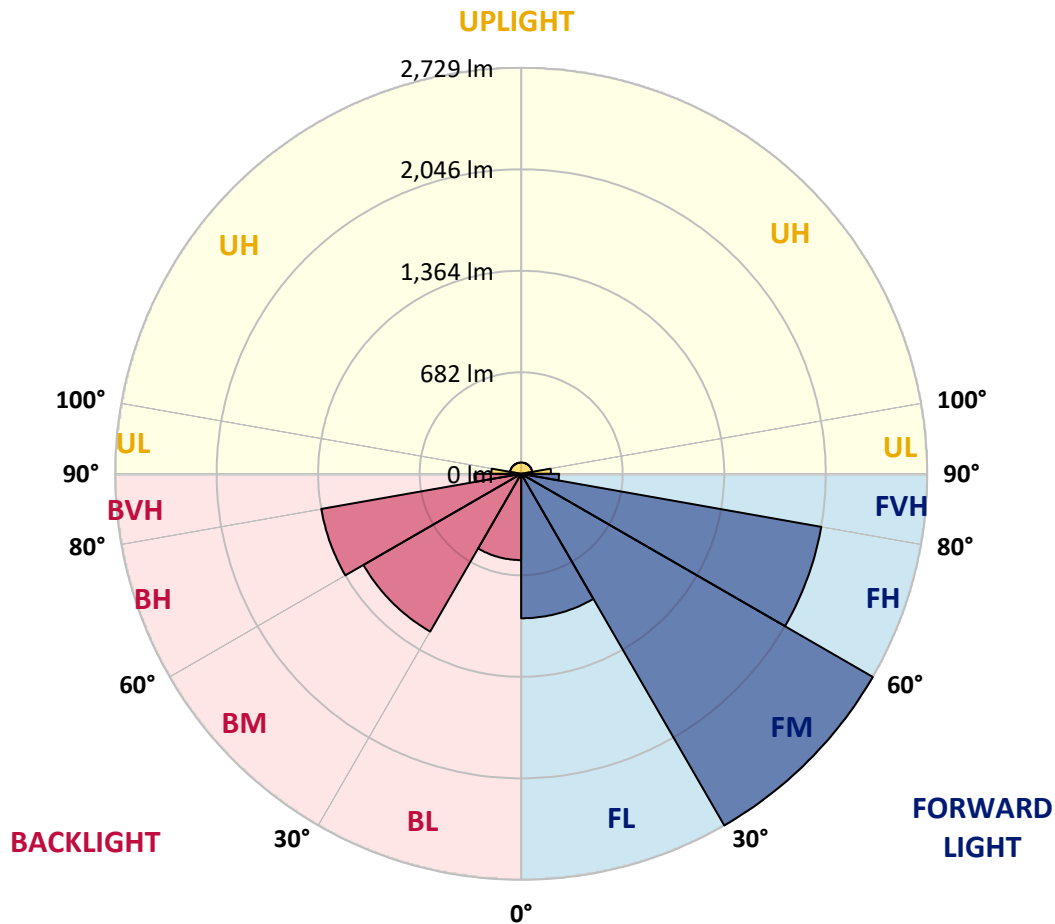
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-8027-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	971.0	9.9			
FM	(30°-60°)	2728.6	28.0			
FH	(60°-80°)	2047.7	21.0			G2/5000
FVH	(80°-90°)	254.5	2.6			G3/500
BL	(0°-30°)	579.7	5.9	B2/1000		
BM	(30°-60°)	1223.9	12.5	B2/2500		
BH	(60°-80°)	1364.3	14.0	B3/2500		G3/2500
BVH	(80°-90°)	314.9	3.2			G3/500
UL	(90°-100°)	200.5	2.1		U3/500	
UH	(100°-180°)	75.9	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0
2.5°	1909.9	1896.8	1900.0	1896.8	1890.2	1883.6	1877.0	1870.5	1860.6	1850.7	1844.2
5°	2021.7	2008.5	2008.5	2008.5	1995.4	1975.6	1949.3	1932.9	1909.9	1883.6	1863.9
7.5°	2097.3	2087.4	2084.1	2080.8	2064.4	2051.3	2021.7	1969.1	1932.9	1900.0	1870.5
10°	2123.6	2123.6	2120.3	2110.4	2094.0	2077.5	2057.8	2008.5	1949.3	1893.5	1854.0
12.5°	2172.9	2179.5	2169.6	2153.2	2146.6	2126.9	2097.3	2057.8	1992.1	1906.6	1860.6
15°	2248.5	2245.2	2232.1	2228.8	2222.2	2199.2	2172.9	2123.6	2048.0	1939.5	1886.9
17.5°	2281.4	2278.1	2278.1	2278.1	2278.1	2261.6	2258.3	2202.5	2123.6	1992.1	1926.3
20°	2287.9	2287.9	2297.8	2320.8	2324.1	2320.8	2337.2	2301.1	2209.0	2057.8	1969.1
22.5°	2330.7	2334.0	2350.4	2373.4	2389.8	2396.4	2409.6	2426.0	2340.5	2163.0	2051.3
25°	2307.7	2324.1	2360.3	2396.4	2435.9	2458.9	2531.2	2587.1	2514.8	2317.5	2166.3
27.5°	2268.2	2281.4	2353.7	2419.4	2508.2	2603.5	2708.7	2781.0	2738.3	2508.2	2350.4
30°	2304.4	2304.4	2350.4	2458.9	2573.9	2748.2	2902.7	2981.5	2961.8	2708.7	2564.1
32.5°	2228.8	2248.5	2347.1	2504.9	2679.1	2905.9	3063.7	3211.7	3231.4	2968.4	2735.0
35°	2005.2	2048.0	2113.7	2320.8	2616.7	3011.1	3254.4	3441.8	3523.9	3264.3	2991.4
37.5°	1656.8	1673.2	1811.3	2018.4	2370.1	2761.3	3182.1	3639.0	3809.9	3487.8	3247.8
40°	1462.8	1472.7	1561.4	1742.2	2038.1	2422.7	2777.7	3247.8	3382.6	3349.7	3122.9
42.5°	1397.1	1413.5	1518.7	1692.9	1942.8	2209.0	2301.1	2504.9	2452.3	2593.6	2666.0
45°	1476.0	1485.8	1561.4	1712.7	1870.5	1985.5	1919.8	2064.4	2136.7	2416.1	2432.6
47.5°	1531.9	1538.4	1620.6	1811.3	1837.6	1840.9	1929.6	2015.1	2215.6	2820.5	3090.0
50°	1314.9	1347.8	1505.6	1669.9	1683.1	1942.8	2195.9	2366.8	2613.4	3714.6	4230.7
52.5°	1219.6	1236.0	1406.9	1692.9	1883.6	2186.0	2366.8	2537.8	2774.4	4102.5	5009.8
55°	1337.9	1364.2	1568.0	1886.9	2077.5	2284.6	2511.5	2721.9	2955.2	4303.0	5358.2
57.5°	1538.4	1587.7	1735.7	1929.6	2130.1	2317.5	2580.5	2823.8	3096.6	4316.2	5364.8
60°	1936.2	1900.0	1817.9	1903.3	2097.3	2310.9	2613.4	2873.1	3175.5	4312.9	5213.6
62.5°	2209.0	2156.4	1883.6	1844.2	2025.0	2241.9	2541.1	2866.5	3159.1	4168.2	5042.7
65°	2156.4	2120.3	1909.9	1765.3	1896.8	2130.1	2442.4	2827.0	3080.2	4013.7	4733.7
67.5°	1860.6	1817.9	1729.1	1673.2	1739.0	2011.8	2350.4	2748.2	2988.1	3836.2	4395.1
70°	1518.7	1495.7	1466.1	1525.3	1607.5	1863.9	2182.7	2577.2	2813.9	3497.6	4033.5
72.5°	1288.6	1275.5	1239.3	1301.8	1439.8	1669.9	1936.2	2330.7	2596.9	3040.7	3586.4
75°	1084.8	1088.1	1068.4	1107.8	1196.6	1423.4	1633.8	2018.4	2314.2	2610.1	3103.2
77.5°	890.8	881.0	900.7	923.7	982.9	1147.3	1288.6	1623.9	1975.6	2071.0	2380.0
80°	650.9	667.3	703.5	700.2	749.5	821.8	917.1	1094.7	1387.2	1482.6	1600.9
82.5°	460.2	479.9	512.8	476.7	483.2	503.0	545.7	627.9	782.4	877.7	976.3
85°	325.4	335.3	341.9	315.6	315.6	328.7	358.3	417.5	512.8	572.0	624.6
87.5°	236.7	240.0	253.1	240.0	243.3	249.8	276.1	315.6	394.5	437.2	479.9
90°	180.8	180.8	187.4	184.1	190.7	203.8	230.1	263.0	322.2	374.7	414.2
92.5°	131.5	131.5	138.1	141.4	144.6	161.1	184.1	210.4	249.8	315.6	355.0
95°	101.9	101.9	108.5	108.5	111.8	124.9	144.6	170.9	200.5	246.5	282.7
97.5°	75.6	75.6	82.2	82.2	85.5	95.3	111.8	128.2	154.5	184.1	200.5
100°	59.2	59.2	62.5	62.5	65.7	75.6	85.5	95.3	101.9	118.3	124.9
102.5°	49.3	49.3	49.3	49.3	49.3	55.9	59.2	59.2	62.5	72.3	75.6
105°	39.4	39.4	39.4	36.2	36.2	39.4	39.4	39.4	42.7	42.7	46.0
107.5°	29.6	29.6	29.6	29.6	29.6	32.9	32.9	32.9	32.9	36.2	36.2
110°	26.3	26.3	26.3	26.3	26.3	26.3	29.6	29.6	29.6	29.6	29.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	23.0	23.0	23.0	23.0	23.0	23.0	26.3	26.3	26.3	26.3	26.3
115°	19.7	19.7	19.7	19.7	19.7	23.0	26.3	23.0	23.0	23.0	23.0
117.5°	16.4	16.4	16.4	19.7	19.7	19.7	23.0	19.7	19.7	19.7	23.0
120°	13.1	13.1	16.4	16.4	16.4	16.4	16.4	16.4	19.7	19.7	19.7
122.5°	13.1	13.1	13.1	13.1	13.1	16.4	16.4	16.4	16.4	16.4	19.7
125°	9.9	9.9	9.9	13.1	13.1	13.1	13.1	13.1	13.1	16.4	16.4
127.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	13.1	13.1	13.1
130°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0	1831.0
2.5°	1837.6	1837.6	1817.9	1798.1	1778.4	1758.7	1742.2	1732.4	1719.2	1722.5	1722.5
5°	1854.0	1844.2	1801.4	1775.1	1745.5	1719.2	1692.9	1669.9	1663.4	1660.1	1646.9
7.5°	1857.3	1840.9	1794.8	1755.4	1699.5	1637.1	1607.5	1581.2	1564.7	1577.9	1571.3
10°	1834.3	1814.6	1762.0	1702.8	1623.9	1571.3	1525.3	1499.0	1485.8	1489.1	1485.8
12.5°	1840.9	1817.9	1732.4	1643.6	1577.9	1489.1	1433.2	1410.2	1393.8	1393.8	1383.9
15°	1867.2	1827.7	1706.1	1614.0	1505.6	1430.0	1364.2	1347.8	1341.2	1334.6	1324.8
17.5°	1893.5	1837.6	1702.8	1561.4	1439.8	1357.6	1291.9	1262.3	1245.9	1245.9	1242.6
20°	1926.3	1857.3	1683.1	1505.6	1377.4	1268.9	1190.0	1163.7	1150.5	1147.3	1140.7
22.5°	1982.2	1909.9	1673.2	1482.6	1295.2	1183.4	1107.8	1058.5	1032.2	1028.9	1028.9
25°	2094.0	2005.2	1692.9	1420.1	1239.3	1094.7	1002.6	953.3	923.7	923.7	920.4
27.5°	2271.5	2130.1	1722.5	1397.1	1134.1	999.3	904.0	828.4	802.1	802.1	805.4
30°	2445.7	2320.8	1798.1	1347.8	1074.9	874.4	759.4	703.5	670.6	657.5	660.7
32.5°	2652.8	2521.3	1903.3	1314.9	956.6	726.5	621.3	591.7	542.4	529.2	519.4
35°	2905.9	2715.3	2021.7	1268.9	864.5	618.0	532.5	473.4	450.4	433.9	430.6
37.5°	3076.9	2909.2	2126.9	1278.7	736.3	558.8	463.5	401.0	378.0	381.3	381.3
40°	3004.6	2810.6	2153.2	1213.0	627.9	486.5	387.9	351.7	338.6	341.9	345.2
42.5°	2511.5	2409.6	1781.7	1084.8	519.4	391.2	325.4	325.4	335.3	325.4	325.4
45°	2347.1	2090.7	1295.2	762.6	391.2	322.2	309.0	318.9	341.9	341.9	341.9
47.5°	2971.7	2682.4	1160.4	637.7	437.2	361.6	335.3	318.9	322.2	318.9	318.9
50°	4168.2	3714.6	1558.2	795.5	529.2	430.6	381.3	348.4	348.4	341.9	335.3
52.5°	4963.8	4487.1	1896.8	996.0	664.0	503.0	437.2	378.0	358.3	345.2	341.9
55°	5456.9	5095.3	2189.3	1275.5	864.5	598.3	486.5	424.1	394.5	368.2	364.9
57.5°	5558.8	5138.0	2383.3	1531.9	1114.4	785.7	558.8	470.1	450.4	407.6	401.0
60°	5308.9	5029.5	2458.9	1699.5	1331.3	1035.5	729.8	545.7	503.0	473.4	466.8
62.5°	5134.7	4812.6	2432.6	1755.4	1466.1	1242.6	959.9	670.6	549.0	552.3	581.8
65°	4842.1	4625.2	2238.6	1673.2	1459.5	1311.6	1078.2	775.8	565.4	558.8	595.0
67.5°	4506.8	4335.9	2044.7	1492.4	1344.5	1216.3	1002.6	739.6	535.8	503.0	506.2
70°	4076.2	3931.6	1847.4	1390.5	1239.3	1078.2	871.1	641.0	529.2	476.7	476.7
72.5°	3579.8	3408.9	1683.1	1314.9	1183.4	1035.5	835.0	618.0	568.7	549.0	565.4
75°	3053.9	2836.9	1554.9	1242.6	1144.0	1035.5	831.7	618.0	568.7	552.3	552.3
77.5°	2462.2	2334.0	1416.8	1127.5	1065.1	986.2	765.9	575.3	558.8	552.3	552.3
80°	1702.8	1683.1	1153.8	979.6	963.2	933.6	719.9	555.5	555.5	545.7	532.5
82.5°	1045.3	996.0	825.1	733.1	788.9	831.7	654.2	522.7	509.5	499.7	493.1
85°	677.2	680.5	578.6	512.8	545.7	634.4	552.3	473.4	453.6	460.2	460.2
87.5°	519.4	535.8	453.6	417.5	410.9	430.6	433.9	424.1	410.9	401.0	404.3
90°	447.1	453.6	364.9	335.3	332.0	338.6	338.6	358.3	358.3	325.4	305.7
92.5°	374.7	384.6	302.4	272.8	272.8	282.7	289.3	289.3	263.0	213.7	190.7
95°	295.9	302.4	240.0	217.0	220.2	220.2	217.0	207.1	161.1	95.3	85.5
97.5°	207.1	210.4	177.5	164.4	167.7	161.1	141.4	128.2	98.6	55.9	52.6
100°	131.5	134.8	111.8	108.5	118.3	105.2	92.0	85.5	59.2	36.2	42.7
102.5°	78.9	78.9	69.0	65.7	72.3	62.5	55.9	46.0	36.2	23.0	29.6
105°	46.0	46.0	42.7	42.7	42.7	39.4	36.2	29.6	19.7	16.4	16.4
107.5°	36.2	36.2	32.9	32.9	29.6	29.6	26.3	19.7	13.1	9.9	9.9
110°	29.6	29.6	26.3	26.3	26.3	23.0	19.7	16.4	9.9	6.6	6.6

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.3	26.3	23.0	23.0	19.7	19.7	16.4	13.1	9.9	6.6	6.6
115°	23.0	23.0	19.7	16.4	16.4	16.4	13.1	9.9	6.6	3.3	6.6
117.5°	23.0	23.0	16.4	13.1	13.1	13.1	9.9	9.9	6.6	3.3	3.3
120°	19.7	19.7	13.1	13.1	9.9	9.9	9.9	6.6	3.3	3.3	3.3
122.5°	16.4	16.4	13.1	9.9	9.9	9.9	6.6	6.6	3.3	3.3	3.3
125°	16.4	16.4	9.9	9.9	9.9	6.6	6.6	6.6	3.3	0.0	0.0
127.5°	13.1	13.1	9.9	9.9	6.6	6.6	6.6	3.3	3.3	0.0	0.0
130°	9.9	9.9	9.9	9.9	6.6	6.6	6.6	3.3	3.3	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)