

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: P690891

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T3-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7721.9 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

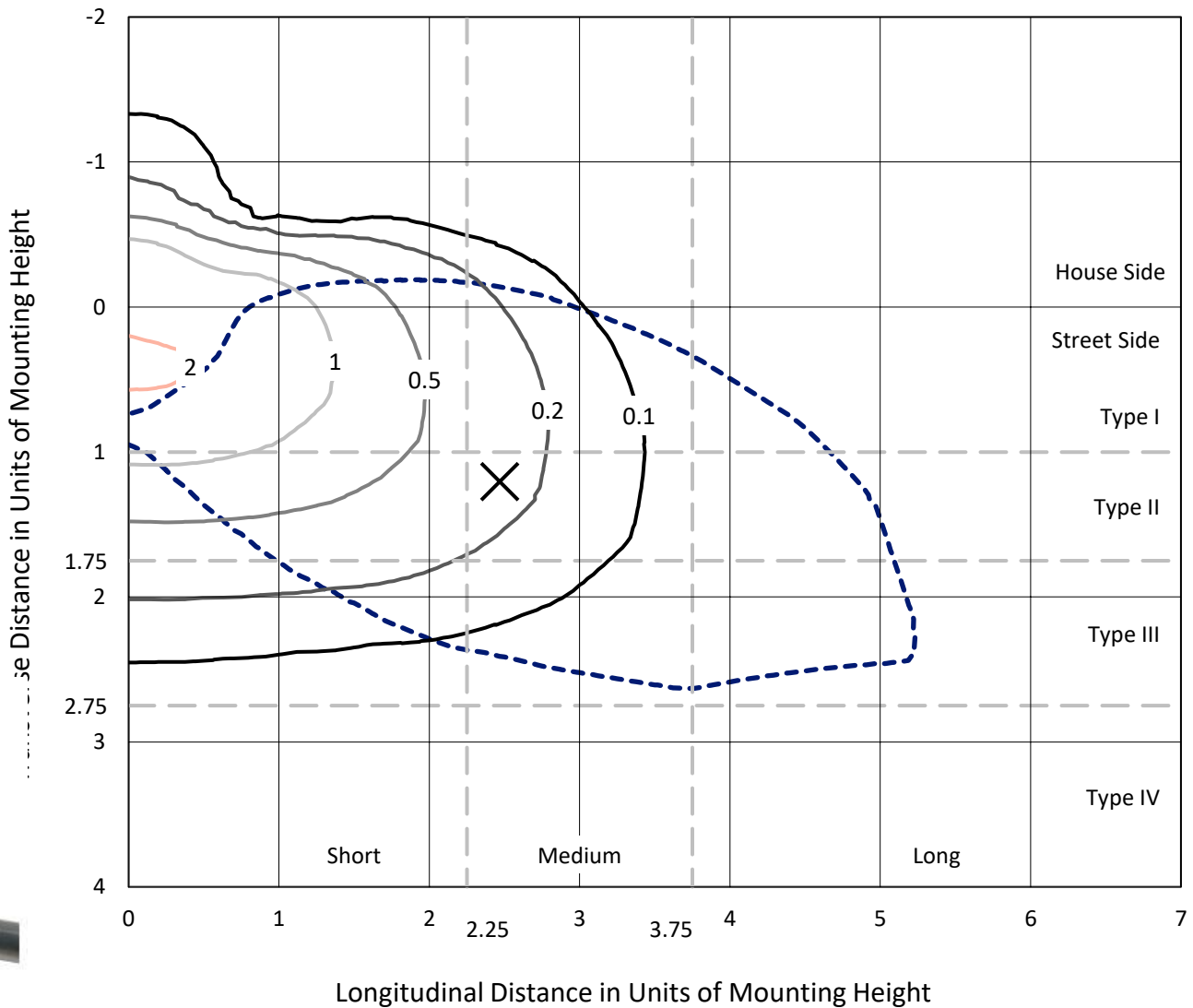
Input Watts (W): 60
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

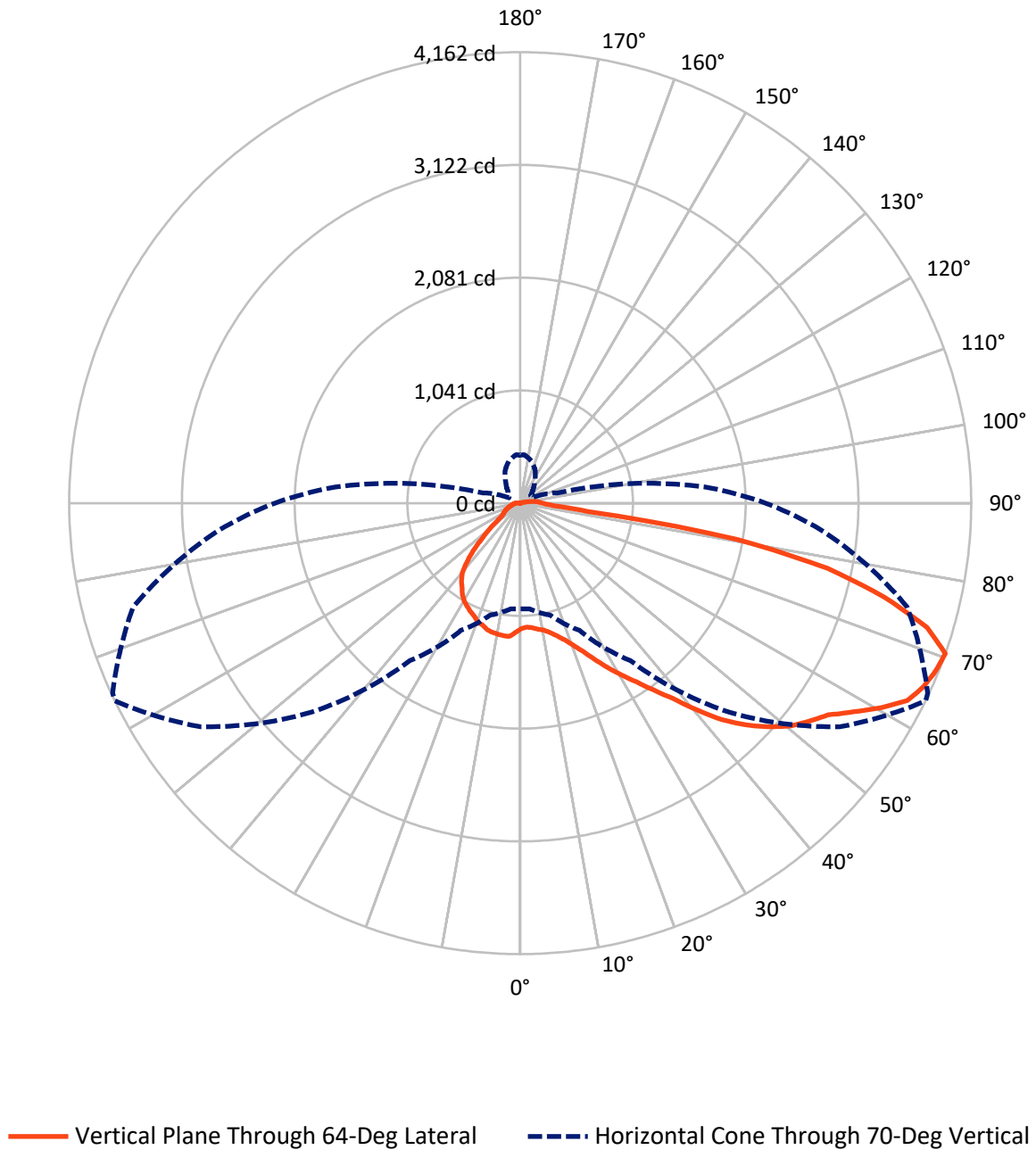
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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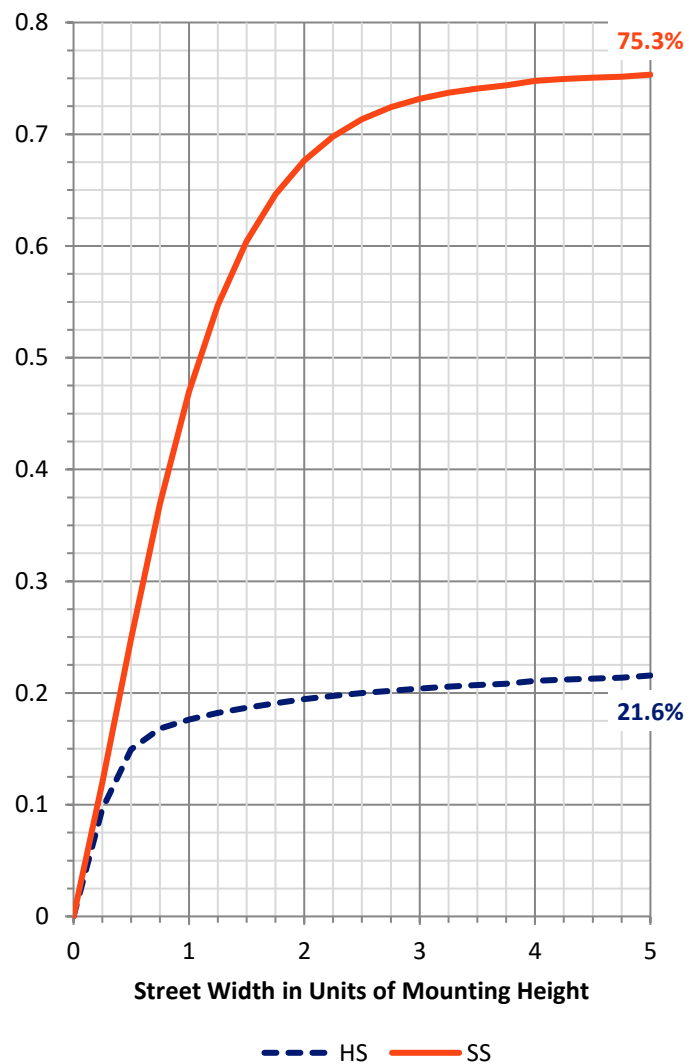
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1760.4	47.7	1808.0
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	5852.3	61.6	5913.9
	% Fixture	75.8	0.8	76.6
Total	Lumens	7612.7	109.2	7721.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	1.5
10°-20°	359.5	4.7
20°-30°	623.7	8.1
30°-40°	905.1	11.7
40°-50°	1214.6	15.7
50°-60°	1468.6	19.0
60°-70°	1580.9	20.5
70°-80°	1085.8	14.1
80°-90°	259.1	3.4
90°-100°	93.8	1.2
100°-110°	11.8	0.2
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	7612.7	98.6
0°-180°	7721.9	100.0

Coefficient of Utilization



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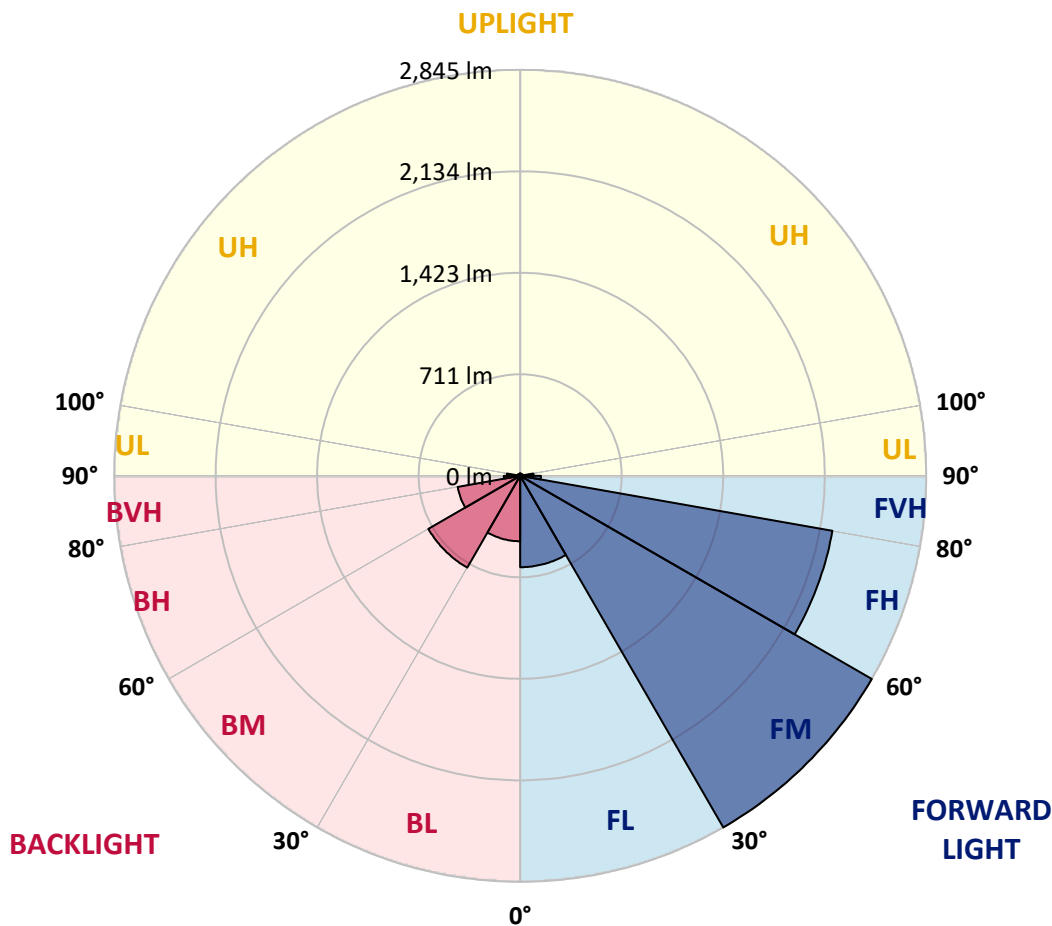
CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	640.2	8.3			
FM	(30°-60°)	2845.4	36.8			
FH	(60°-80°)	2221.8	28.8			G2/5000
FVH	(80°-90°)	144.9	1.9			G2/225
BL	(0°-30°)	458.5	5.9	B1/500		
BM	(30°-60°)	743.0	9.6	B1/1000		
BH	(60°-80°)	444.8	5.8	B1/500		G1/500
BVH	(80°-90°)	114.1	1.5			G2/225
UL	(90°-100°)	93.8	1.2		U3/500	
UH	(100°-180°)	15.5	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9
2.5°	1148.8	1148.8	1146.2	1146.2	1148.8	1151.3	1148.8	1146.2	1148.8	1151.3	1158.9
5°	1194.3	1191.8	1189.3	1179.1	1169.0	1161.4	1156.4	1153.8	1156.4	1166.5	1184.2
7.5°	1224.7	1222.2	1222.2	1219.6	1209.5	1189.3	1176.6	1174.1	1174.1	1176.6	1199.4
10°	1287.9	1282.9	1272.8	1255.1	1244.9	1219.6	1196.9	1191.8	1191.8	1196.9	1224.7
12.5°	1356.3	1346.1	1348.7	1328.4	1298.1	1270.2	1237.3	1224.7	1219.6	1224.7	1239.9
15°	1449.9	1442.3	1422.1	1399.3	1368.9	1331.0	1290.5	1270.2	1267.7	1275.3	1262.6
17.5°	1518.2	1508.1	1510.6	1477.7	1452.4	1401.8	1363.9	1325.9	1325.9	1336.0	1303.1
20°	1589.1	1584.0	1591.6	1584.0	1546.0	1500.5	1444.8	1399.3	1391.7	1396.8	1348.7
22.5°	1680.2	1672.6	1672.6	1675.1	1644.7	1599.2	1533.4	1487.8	1485.3	1465.1	1399.3
25°	1773.8	1766.2	1763.7	1768.7	1763.7	1710.5	1642.2	1596.6	1589.1	1561.2	1467.6
27.5°	1862.3	1862.3	1864.9	1869.9	1877.5	1834.5	1768.7	1718.1	1718.1	1687.7	1558.7
30°	1928.1	1928.1	1950.9	1961.0	1968.6	1958.5	1887.6	1839.6	1844.6	1804.1	1662.4
32.5°	1988.9	1991.4	2016.7	2042.0	2049.6	2057.2	1996.4	1966.1	1966.1	1928.1	1773.8
35°	2049.6	2049.6	2085.0	2135.6	2160.9	2153.3	2125.5	2115.4	2117.9	2110.3	1938.2
37.5°	2097.7	2102.7	2155.9	2219.1	2254.5	2267.2	2252.0	2284.9	2315.3	2338.0	2153.3
40°	2145.7	2145.7	2196.3	2264.7	2327.9	2363.3	2383.6	2507.6	2530.3	2537.9	2274.8
42.5°	2095.1	2107.8	2214.1	2315.3	2396.2	2457.0	2548.1	2732.8	2760.6	2674.6	2439.3
45°	2047.1	2062.2	2168.5	2338.0	2454.4	2575.9	2732.8	2920.0	2942.8	2813.7	2537.9
47.5°	1999.0	2016.7	2133.1	2317.8	2507.6	2707.5	2877.0	3084.5	3094.6	2927.6	2649.3
50°	1948.4	1966.1	2090.1	2295.0	2540.5	2841.6	3021.2	3233.8	3233.8	3028.8	2715.1
52.5°	1885.1	1905.4	2031.9	2259.6	2565.8	2932.7	3152.8	3342.6	3322.3	3150.3	2788.4
55°	1804.1	1832.0	1966.1	2209.0	2575.9	2980.8	3236.3	3448.9	3443.8	3299.6	2882.1
57.5°	1718.1	1740.9	1885.1	2143.2	2565.8	3013.6	3324.9	3633.6	3641.2	3428.6	2955.4
60°	1622.0	1637.1	1776.3	2052.1	2500.0	3071.8	3524.8	3830.9	3841.1	3547.5	2983.3
62.5°	1495.4	1505.6	1637.1	1928.1	2411.4	3109.8	3669.0	4010.6	4005.5	3653.8	2988.3
65°	1336.0	1348.7	1472.7	1763.7	2279.8	3084.5	3704.4	4089.0	4094.1	3704.4	2980.8
67.5°	1181.7	1189.3	1293.0	1546.0	2067.3	2963.0	3669.0	4134.6	4157.4	3747.4	2907.4
70°	976.7	979.2	1070.3	1295.5	1773.8	2730.2	3598.2	4162.4	4149.8	3696.8	2780.9
72.5°	751.5	754.0	822.4	991.9	1379.0	2325.4	3347.7	3927.1	3904.3	3418.5	2507.6
75°	533.9	544.0	584.5	695.8	923.6	1697.9	2864.4	3476.7	3491.9	3041.5	2090.1
77.5°	303.6	313.8	346.7	435.2	531.4	951.4	2163.4	2899.8	2909.9	2558.2	1604.2
80°	131.6	134.1	146.8	207.5	283.4	455.5	1108.3	2031.9	2178.6	1738.3	916.0
82.5°	111.3	111.3	116.4	121.5	124.0	207.5	430.2	630.1	650.3	513.7	298.6
85°	96.2	96.2	101.2	106.3	108.8	141.7	260.6	316.3	328.9	293.5	210.0
87.5°	75.9	75.9	83.5	88.6	88.6	116.4	194.8	235.3	242.9	235.3	187.2
90°	68.3	68.3	65.8	65.8	68.3	83.5	151.8	197.4	205.0	250.5	215.1
92.5°	58.2	60.7	60.7	60.7	53.1	60.7	108.8	174.6	189.8	248.0	194.8
95°	58.2	55.7	55.7	53.1	50.6	53.1	81.0	151.8	169.5	215.1	164.5
97.5°	40.5	38.0	40.5	43.0	45.5	48.1	68.3	111.3	124.0	167.0	121.5
100°	25.3	25.3	25.3	25.3	30.4	32.9	55.7	68.3	75.9	106.3	81.0
102.5°	15.2	12.7	12.7	12.7	15.2	20.2	27.8	38.0	40.5	60.7	48.1
105°	5.1	5.1	5.1	5.1	7.6	10.1	10.1	15.2	15.2	20.2	20.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
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°	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9	1158.9
2.5°	1164.0	1169.0	1179.1	1191.8	1207.0	1219.6	1229.7	1232.3	1237.3	1237.3	1242.4
5°	1189.3	1199.4	1214.6	1232.3	1239.9	1234.8	1234.8	1237.3	1242.4	1255.1	1260.1
7.5°	1217.1	1224.7	1224.7	1232.3	1247.5	1242.4	1239.9	1237.3	1237.3	1232.3	1239.9
10°	1227.2	1217.1	1229.7	1227.2	1222.2	1232.3	1234.8	1219.6	1222.2	1222.2	1224.7
12.5°	1229.7	1229.7	1219.6	1219.6	1219.6	1196.9	1191.8	1204.4	1191.8	1196.9	1194.3
15°	1257.6	1237.3	1224.7	1209.5	1189.3	1181.7	1164.0	1143.7	1143.7	1148.8	1148.8
17.5°	1277.8	1257.6	1219.6	1179.1	1171.6	1136.1	1123.5	1118.4	1115.9	1118.4	1123.5
20°	1308.2	1277.8	1214.6	1174.1	1108.3	1095.6	1072.9	1070.3	1065.3	1047.6	1042.5
22.5°	1348.7	1300.6	1212.0	1131.1	1077.9	1034.9	994.4	969.1	966.6	953.9	946.4
25°	1394.2	1346.1	1222.2	1110.8	1022.3	959.0	926.1	867.9	840.1	850.2	845.1
27.5°	1487.8	1399.3	1239.9	1083.0	976.7	878.0	802.1	766.7	731.3	731.3	736.3
30°	1573.9	1467.6	1239.9	1057.7	900.8	781.9	683.2	627.5	612.3	602.2	597.2
32.5°	1702.9	1553.6	1293.0	1022.3	830.0	657.9	546.6	480.8	483.3	493.4	490.9
35°	1852.2	1690.3	1308.2	971.7	726.2	533.9	422.6	387.1	407.4	412.4	412.4
37.5°	2031.9	1857.3	1376.5	931.2	617.4	394.7	334.0	318.8	336.5	334.0	344.1
40°	2130.6	1938.2	1434.7	880.6	473.2	291.0	258.1	248.0	275.8	298.6	303.6
42.5°	2269.7	2034.4	1490.4	784.4	321.4	212.5	197.4	230.3	270.7	296.1	298.6
45°	2345.6	2090.1	1467.6	665.5	205.0	172.1	192.3	232.8	275.8	301.1	303.6
47.5°	2436.7	2163.4	1427.1	518.7	164.5	169.5	194.8	237.9	283.4	306.2	306.2
50°	2527.8	2236.8	1328.4	407.4	154.4	167.0	199.9	240.4	280.9	296.1	296.1
52.5°	2581.0	2300.1	1212.0	296.1	151.8	167.0	202.4	242.9	278.3	285.9	285.9
55°	2629.0	2305.1	1110.8	220.1	149.3	169.5	205.0	248.0	280.9	288.5	285.9
57.5°	2656.9	2272.3	1040.0	189.8	146.8	169.5	207.5	253.0	301.1	318.8	313.8
60°	2641.7	2221.6	986.8	177.1	144.2	169.5	210.0	268.2	382.1	412.4	402.3
62.5°	2616.4	2186.2	875.5	161.9	139.2	169.5	212.5	303.6	425.1	440.3	427.6
65°	2583.5	2082.5	749.0	146.8	134.1	167.0	215.1	328.9	404.9	404.9	402.3
67.5°	2446.8	1943.3	559.2	131.6	126.5	167.0	220.1	323.9	389.7	422.6	422.6
70°	2264.7	1710.5	369.4	116.4	118.9	161.9	230.3	328.9	402.3	447.9	442.8
72.5°	1918.0	1419.5	205.0	101.2	108.8	159.4	230.3	349.2	435.2	485.8	478.2
75°	1566.3	1050.1	146.8	91.1	98.7	154.4	232.8	361.8	465.6	518.7	506.1
77.5°	1103.2	602.2	116.4	78.4	88.6	146.8	230.3	356.8	480.8	528.8	513.7
80°	465.6	217.6	96.2	70.8	75.9	131.6	212.5	341.6	480.8	559.2	551.6
82.5°	210.0	154.4	83.5	63.3	70.8	108.8	197.4	328.9	465.6	561.7	607.3
85°	164.5	126.5	70.8	55.7	63.3	103.7	177.1	313.8	445.3	518.7	569.3
87.5°	156.9	126.5	63.3	50.6	58.2	88.6	136.6	291.0	399.8	478.2	518.7
90°	169.5	131.6	50.6	43.0	53.1	78.4	111.3	245.4	346.7	420.0	420.0
92.5°	156.9	121.5	38.0	32.9	55.7	63.3	106.3	151.8	250.5	210.0	260.6
95°	131.6	101.2	25.3	22.8	53.1	53.1	58.2	70.8	174.6	5.1	0.0
97.5°	96.2	73.4	15.2	12.7	40.5	43.0	27.8	32.9	70.8	0.0	0.0
100°	70.8	48.1	10.1	10.1	25.3	35.4	17.7	17.7	0.0	0.0	0.0
102.5°	38.0	25.3	7.6	5.1	12.7	20.2	7.6	5.1	0.0	0.0	0.0
105°	20.2	10.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
107.5°	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.5	2.5	2.5	2.5	2.5	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°
112.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
122.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
130°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
132.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
135°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.5	2.5	2.5	2.5	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)