

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: P691620

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T3-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6474.9 lumens
Efficiency: N/A
Efficacy: 120.6 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): 53.7
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

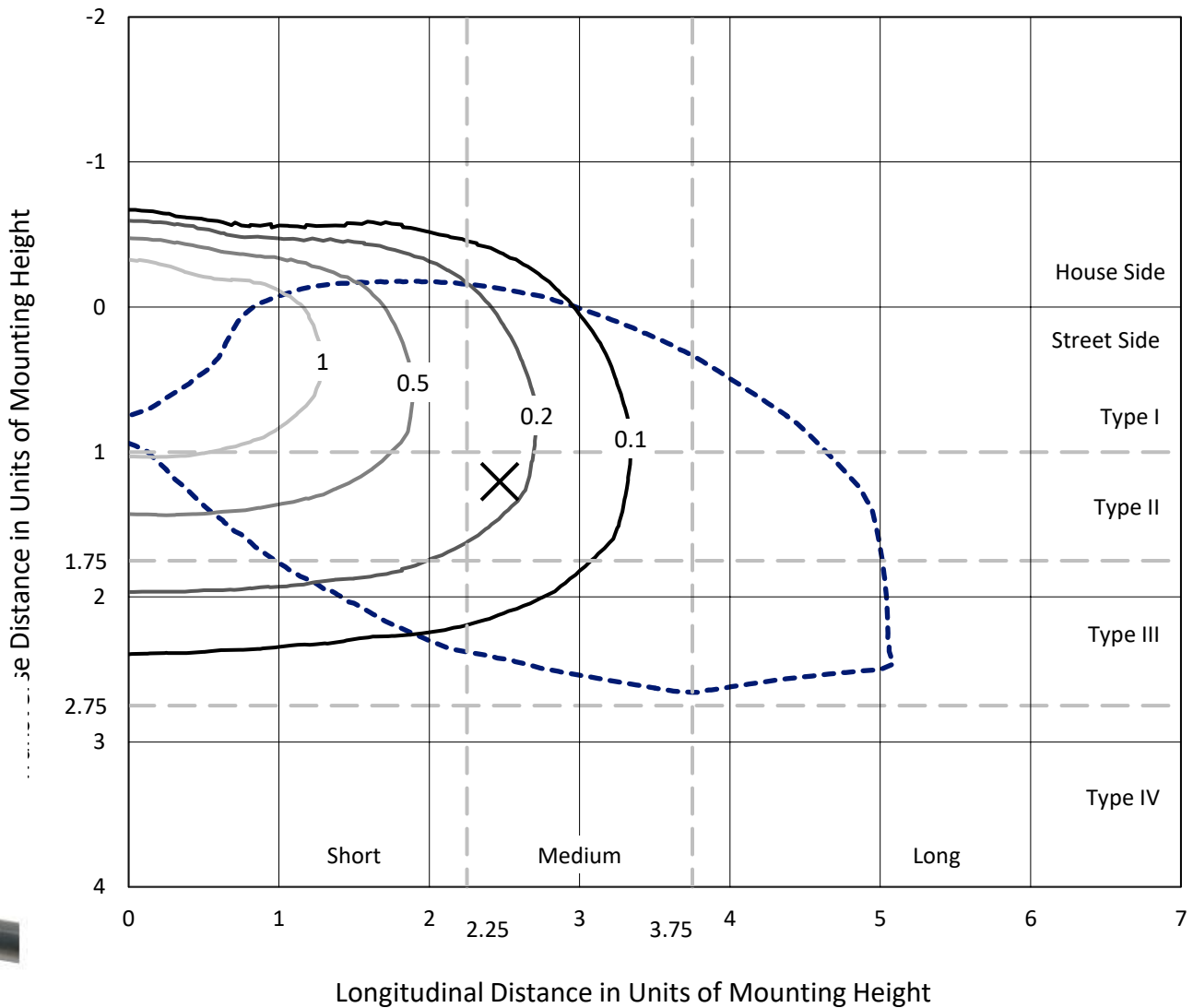


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

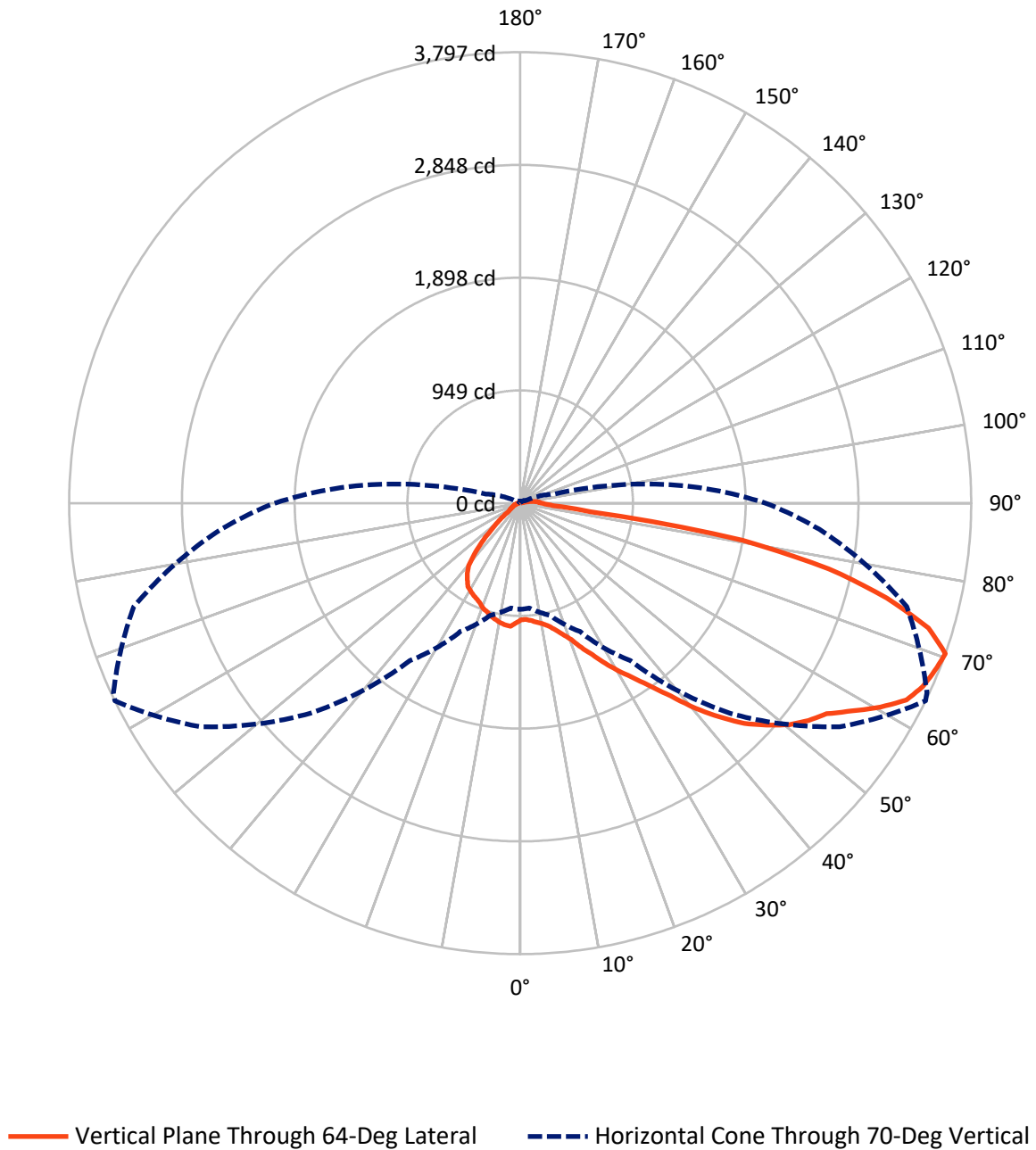


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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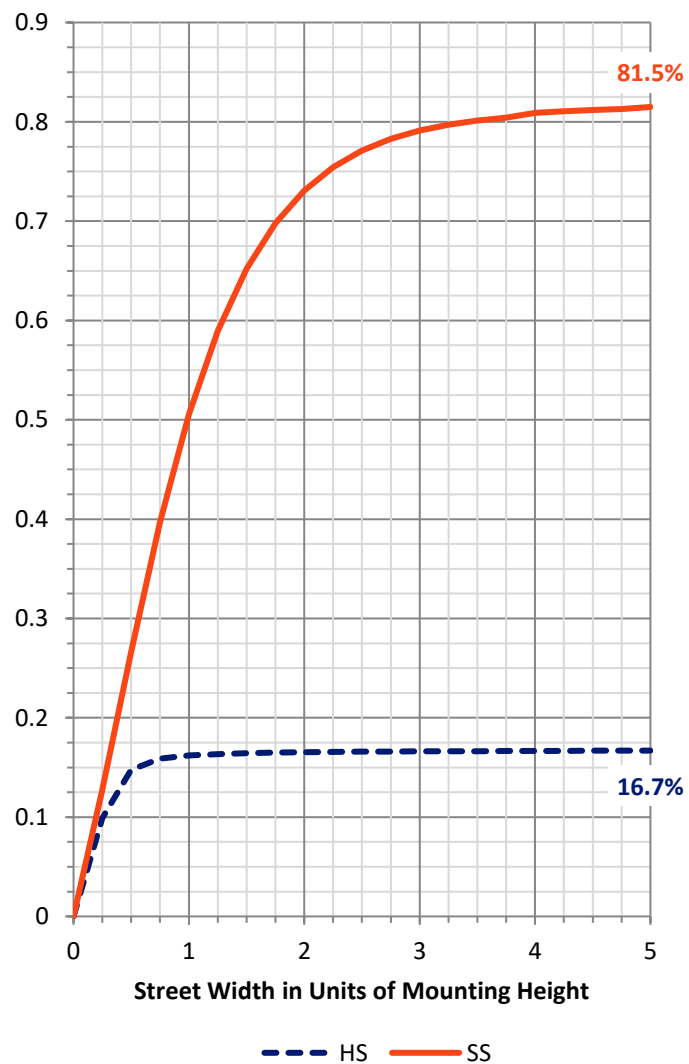
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1098.1	13.3	1111.4
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	5308.9	54.6	5363.5
	% Fixture	82.0	0.8	82.8
Total	Lumens	6407.0	67.9	6474.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	1.5
10°-20°	298.4	4.6
20°-30°	515.9	8.0
30°-40°	765.5	11.8
40°-50°	1051.5	16.2
50°-60°	1277.0	19.7
60°-70°	1356.7	21.0
70°-80°	896.3	13.8
80°-90°	148.4	2.3
90°-100°	55.3	0.9
100°-110°	9.3	0.1
110°-120°	0.7	0.0
120°-130°	0.7	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	6407.0	99.0
0°-180°	6474.9	100.0

Coefficient of Utilization



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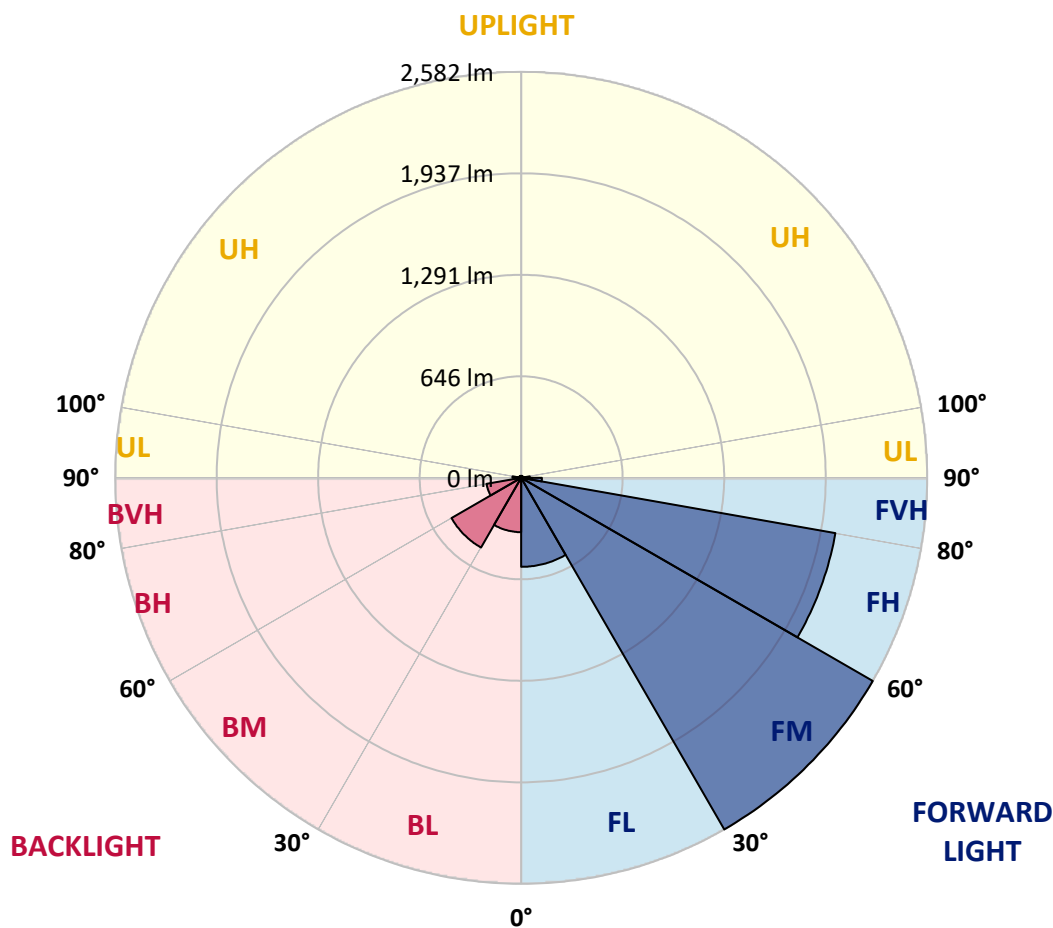
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	566.0	8.7			
FM	(30°-60°)	2582.1	39.9			
FH	(60°-80°)	2029.1	31.3			G2/5000
FVH	(80°-90°)	131.7	2.0			G2/225
BL	(0°-30°)	345.7	5.3	B1/500		
BM	(30°-60°)	511.9	7.9	B1/1000		
BH	(60°-80°)	223.9	3.5	B1/500		G1/500
BVH	(80°-90°)	16.7	0.3			G1/100
UL	(90°-100°)	55.3	0.9		U3/500	
UH	(100°-180°)	12.6	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°	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2
2.5°	989.2	986.9	989.2	986.9	984.5	982.2	979.9	979.9	977.6	979.9	982.2
5°	1033.2	1035.5	1030.9	1021.6	1010.0	1000.8	996.1	993.8	993.8	996.1	1005.4
7.5°	1065.6	1063.3	1061.0	1058.7	1049.4	1028.6	1017.0	1012.3	1012.3	1007.7	1023.9
10°	1123.5	1118.9	1107.3	1093.4	1084.2	1061.0	1040.1	1033.2	1030.9	1033.2	1047.1
12.5°	1186.1	1181.4	1179.1	1165.2	1132.8	1112.0	1077.2	1061.0	1061.0	1061.0	1067.9
15°	1276.4	1269.5	1246.3	1230.1	1202.3	1167.5	1128.2	1105.0	1105.0	1109.6	1091.1
17.5°	1341.3	1336.7	1334.3	1306.5	1283.4	1230.1	1200.0	1160.6	1160.6	1169.9	1130.5
20°	1408.5	1403.8	1406.2	1401.5	1366.8	1325.1	1271.8	1225.5	1225.5	1227.8	1172.2
22.5°	1498.8	1491.9	1491.9	1489.6	1471.0	1422.4	1359.8	1320.4	1313.5	1295.0	1225.5
25°	1589.2	1586.8	1582.2	1584.5	1579.9	1524.3	1457.1	1413.1	1413.1	1387.6	1297.3
27.5°	1679.5	1679.5	1677.2	1679.5	1677.2	1642.4	1575.3	1528.9	1531.3	1498.8	1376.0
30°	1744.4	1742.1	1758.3	1765.2	1769.9	1756.0	1691.1	1640.1	1644.8	1612.3	1468.7
32.5°	1804.6	1802.3	1830.1	1846.3	1850.9	1848.6	1795.3	1753.6	1765.2	1735.1	1579.9
35°	1860.2	1857.9	1895.0	1936.6	1955.2	1950.5	1915.8	1892.6	1904.2	1901.9	1730.5
37.5°	1901.9	1908.9	1957.5	2015.4	2047.8	2050.2	2033.9	2059.4	2073.3	2119.7	1918.1
40°	1950.5	1950.5	1996.9	2059.4	2117.3	2140.5	2154.4	2270.2	2284.1	2293.4	2043.2
42.5°	1899.6	1913.5	2013.1	2105.8	2179.9	2233.2	2309.6	2460.2	2490.3	2420.8	2196.1
45°	1860.2	1871.8	1973.7	2128.9	2235.5	2335.1	2478.7	2645.5	2668.7	2548.2	2277.2
47.5°	1818.5	1837.0	1941.3	2112.7	2288.8	2460.2	2620.0	2791.5	2812.3	2657.1	2390.7
50°	1769.9	1790.7	1901.9	2089.5	2316.6	2578.3	2747.4	2932.8	2935.1	2752.1	2453.2
52.5°	1723.5	1737.4	1853.3	2059.4	2339.7	2668.7	2867.9	3039.3	3025.4	2872.5	2520.4
55°	1644.8	1672.6	1795.3	2017.7	2351.3	2719.6	2951.3	3129.7	3138.9	3002.3	2610.8
57.5°	1572.9	1591.5	1721.2	1957.5	2342.0	2749.8	3032.4	3298.8	3317.3	3118.1	2675.6
60°	1482.6	1494.2	1619.3	1874.1	2281.8	2800.7	3213.1	3486.4	3507.3	3229.3	2701.1
62.5°	1369.1	1369.1	1494.2	1762.9	2205.4	2837.8	3338.2	3648.6	3648.6	3317.3	2710.4
65°	1223.1	1230.1	1341.3	1612.3	2078.0	2816.9	3375.2	3725.0	3732.0	3379.9	2705.7
67.5°	1081.8	1079.5	1176.8	1415.4	1885.7	2708.1	3347.4	3764.4	3792.2	3416.9	2645.5
70°	894.2	887.2	977.6	1193.0	1617.0	2501.9	3282.6	3796.9	3778.3	3368.3	2527.4
72.5°	688.0	681.1	748.3	912.7	1274.1	2147.5	3092.6	3593.0	3560.6	3104.2	2284.1
75°	488.8	479.5	532.8	641.7	838.6	1570.6	2652.5	3187.6	3150.5	2791.5	1906.5
77.5°	278.0	268.7	317.4	405.4	507.3	889.6	2008.5	2657.1	2708.1	2302.7	1457.1
80°	122.8	118.1	139.0	194.6	284.9	423.9	1093.4	1899.6	1830.1	1570.6	829.3
82.5°	104.2	104.2	106.6	111.2	115.8	194.6	410.0	597.7	572.2	461.0	264.1
85°	90.3	88.0	92.7	97.3	99.6	127.4	238.6	287.3	282.6	254.8	183.0
87.5°	74.1	69.5	76.4	81.1	81.1	104.2	178.4	210.8	210.8	213.1	162.2
90°	64.9	64.9	60.2	60.2	62.5	74.1	136.7	173.7	178.4	220.1	187.6
92.5°	55.6	55.6	55.6	55.6	46.3	53.3	97.3	155.2	166.8	215.4	169.1
95°	53.3	51.0	53.3	48.6	46.3	48.6	74.1	136.7	150.6	190.0	148.3
97.5°	37.1	34.7	39.4	39.4	41.7	44.0	62.5	101.9	106.6	141.3	111.2
100°	25.5	23.2	23.2	23.2	30.1	30.1	51.0	62.5	64.9	90.3	74.1
102.5°	13.9	11.6	11.6	11.6	16.2	18.5	25.5	34.7	34.7	48.6	41.7
105°	4.6	4.6	6.9	6.9	6.9	9.3	9.3	11.6	11.6	13.9	18.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3

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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	0.0	2.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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°	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2	982.2
2.5°	984.5	989.2	1000.8	1007.7	1017.0	1026.2	1033.2	1033.2	1040.1	1035.5	1033.2
5°	1014.7	1017.0	1030.9	1040.1	1037.8	1028.6	1021.6	1017.0	1019.3	1023.9	1023.9
7.5°	1035.5	1044.8	1033.2	1033.2	1030.9	1019.3	1005.4	991.5	984.5	982.2	982.2
10°	1047.1	1037.8	1033.2	1021.6	996.1	989.2	977.6	952.1	945.2	945.2	935.9
12.5°	1054.0	1049.4	1023.9	1003.1	979.9	942.8	917.4	912.7	891.9	889.6	891.9
15°	1081.8	1058.7	1026.2	986.9	942.8	910.4	875.7	838.6	822.4	824.7	827.0
17.5°	1100.4	1079.5	1021.6	959.1	919.7	859.4	820.1	799.2	773.7	773.7	773.7
20°	1130.5	1095.7	1014.7	947.5	854.8	810.8	764.5	741.3	715.8	671.8	667.2
22.5°	1169.9	1125.9	1012.3	912.7	829.3	757.5	690.3	618.5	581.5	556.0	549.0
25°	1218.5	1167.5	1028.6	896.5	780.7	692.7	606.9	509.6	440.1	426.2	426.2
27.5°	1301.9	1220.8	1049.4	880.3	752.9	620.8	486.5	400.8	340.5	322.0	319.7
30°	1383.0	1288.0	1056.4	864.1	699.6	523.5	375.3	284.9	231.7	208.5	203.9
32.5°	1510.4	1380.7	1116.6	850.2	639.4	421.6	266.4	180.7	136.7	122.8	120.5
35°	1640.1	1505.8	1137.4	813.1	530.5	308.1	152.9	97.3	74.1	62.5	60.2
37.5°	1806.9	1663.3	1200.0	773.7	421.6	176.1	85.7	53.3	46.3	46.3	46.3
40°	1904.2	1732.8	1255.6	722.8	289.6	90.3	51.0	41.7	41.7	39.4	39.4
42.5°	2029.3	1818.5	1304.2	623.2	152.9	55.6	44.0	39.4	34.7	34.7	34.7
45°	2101.1	1874.1	1288.0	500.4	71.8	51.0	41.7	34.7	32.4	32.4	32.4
47.5°	2189.2	1943.6	1253.3	370.7	62.5	46.3	39.4	32.4	30.1	32.4	32.4
50°	2277.2	2013.1	1165.2	284.9	57.9	44.0	34.7	27.8	27.8	30.1	30.1
52.5°	2321.2	2061.7	1061.0	196.9	57.9	41.7	32.4	27.8	25.5	25.5	25.5
55°	2372.2	2073.3	973.0	129.7	55.6	39.4	30.1	23.2	23.2	20.8	20.8
57.5°	2400.0	2043.2	908.1	108.9	53.3	37.1	27.8	20.8	18.5	16.2	16.2
60°	2388.4	1999.2	852.5	95.0	48.6	34.7	25.5	18.5	13.9	11.6	11.6
62.5°	2365.2	1962.1	750.6	83.4	46.3	30.1	20.8	16.2	11.6	9.3	9.3
65°	2339.7	1862.5	632.4	71.8	41.7	27.8	18.5	13.9	9.3	6.9	6.9
67.5°	2221.6	1730.5	463.3	64.9	39.4	25.5	16.2	11.6	9.3	6.9	6.9
70°	2066.4	1510.4	298.8	55.6	34.7	23.2	16.2	9.3	6.9	4.6	4.6
72.5°	1758.3	1232.4	150.6	48.6	32.4	23.2	13.9	9.3	6.9	4.6	2.3
75°	1436.3	919.7	97.3	41.7	30.1	23.2	13.9	9.3	4.6	2.3	2.3
77.5°	1028.6	498.1	74.1	37.1	25.5	23.2	11.6	6.9	4.6	4.6	2.3
80°	428.6	180.7	60.2	30.1	23.2	20.8	11.6	6.9	4.6	4.6	2.3
82.5°	180.7	125.1	53.3	25.5	20.8	20.8	9.3	6.9	4.6	4.6	4.6
85°	141.3	104.2	46.3	23.2	18.5	23.2	9.3	6.9	6.9	6.9	6.9
87.5°	132.0	106.6	41.7	20.8	18.5	16.2	9.3	6.9	11.6	11.6	13.9
90°	148.3	111.2	32.4	18.5	16.2	13.9	6.9	4.6	4.6	0.0	0.0
92.5°	136.7	101.9	23.2	13.9	20.8	9.3	4.6	0.0	0.0	0.0	0.0
95°	118.1	85.7	13.9	9.3	23.2	11.6	2.3	0.0	0.0	0.0	0.0
97.5°	88.0	62.5	9.3	4.6	18.5	13.9	2.3	0.0	0.0	0.0	0.0
100°	62.5	39.4	6.9	4.6	11.6	13.9	2.3	0.0	0.0	0.0	0.0
102.5°	34.7	20.8	4.6	2.3	4.6	4.6	0.0	0.0	0.0	0.0	0.0
105°	16.2	6.9	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	2.3	2.3	2.3	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°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
115°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
130°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
135°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
140°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.3	2.3	2.3	2.3	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)