

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: P691627

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691627
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-C018-5TLD-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: 7070 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

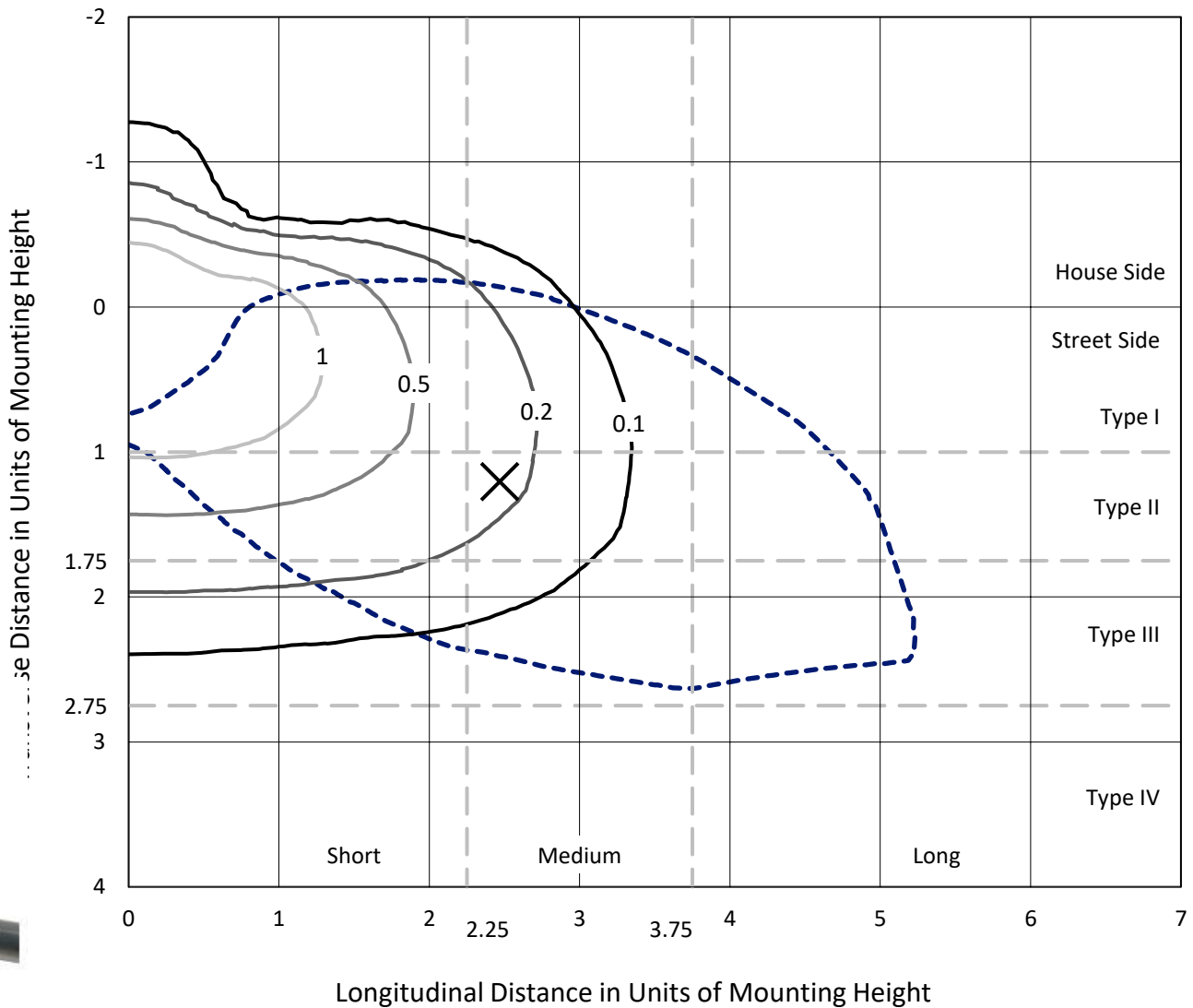
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

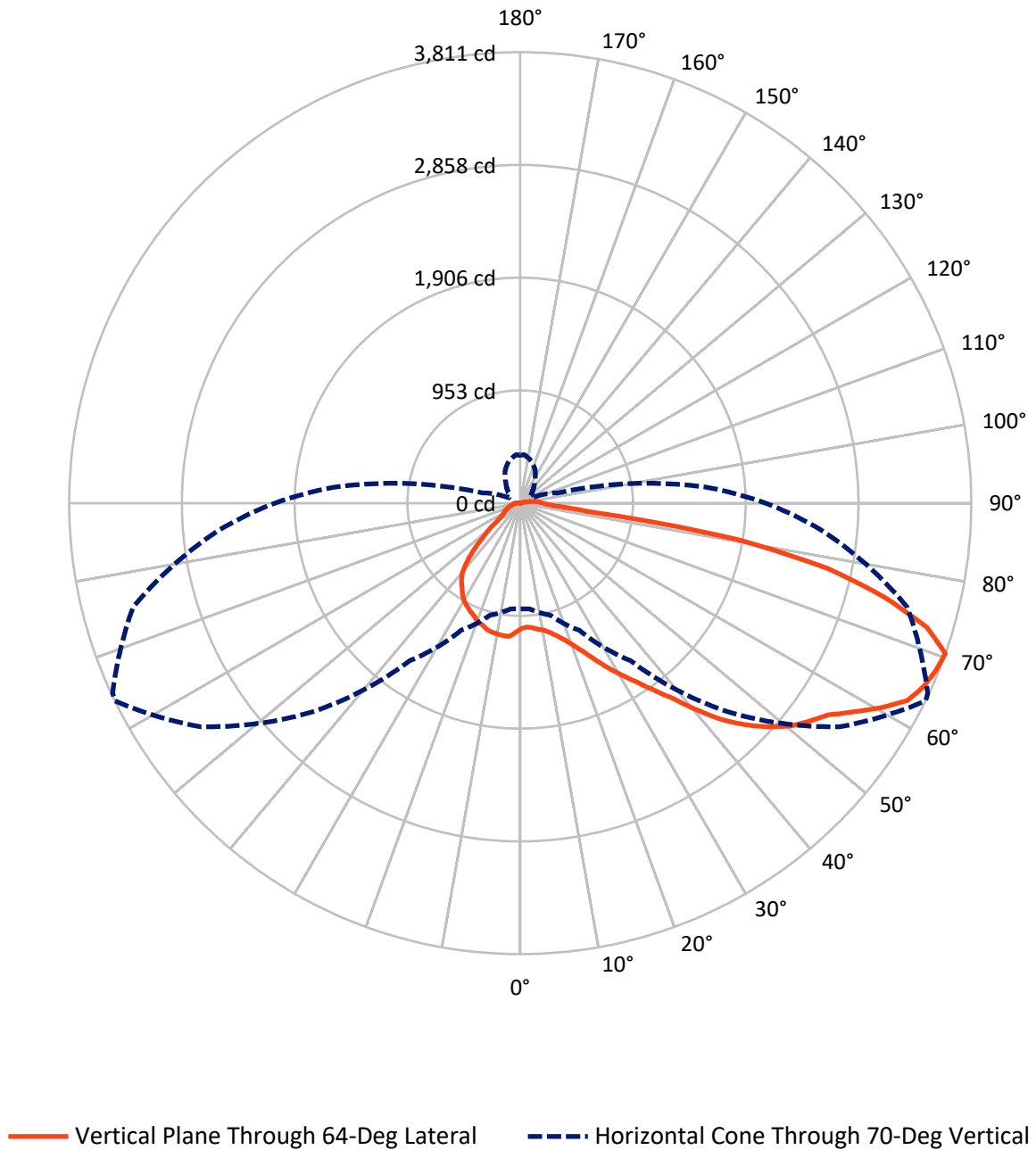
✕ Max cd
 - - - 1/2 Max cd



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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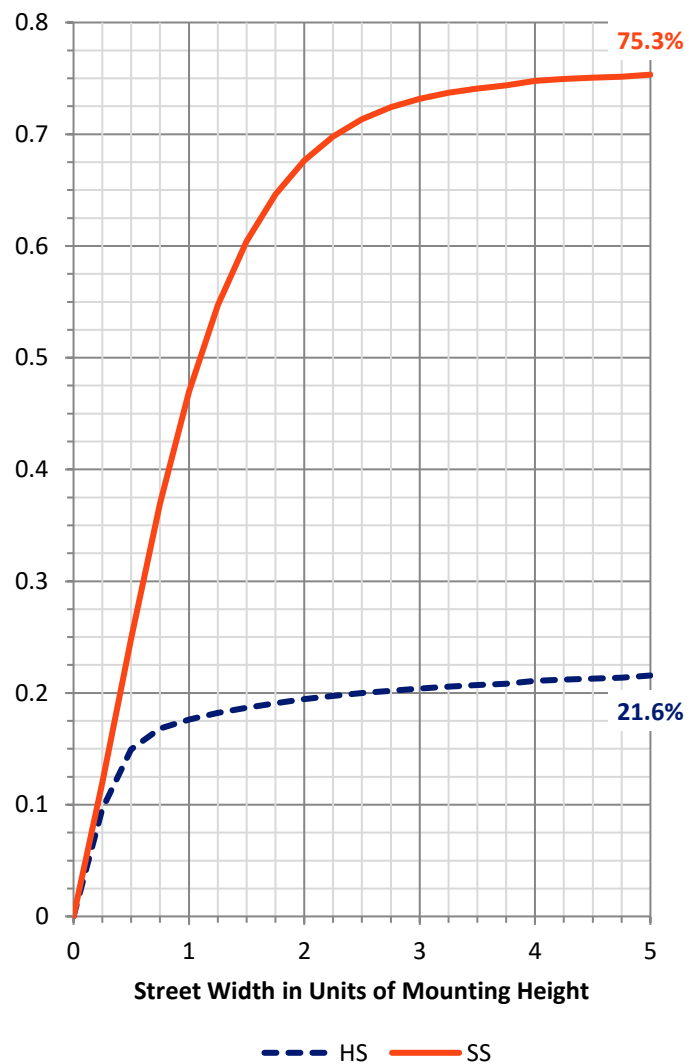
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1611.8	43.7	1655.4
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	5358.2	56.4	5414.6
	% Fixture	75.8	0.8	76.6
Total	Lumens	6970.0	100.0	7070.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	1.5
10°-20°	329.2	4.7
20°-30°	571.0	8.1
30°-40°	828.7	11.7
40°-50°	1112.1	15.7
50°-60°	1344.6	19.0
60°-70°	1447.4	20.5
70°-80°	994.1	14.1
80°-90°	237.2	3.4
90°-100°	85.9	1.2
100°-110°	10.8	0.2
110°-120°	0.8	0.0
120°-130°	0.7	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6970.0	98.6
0°-180°	7070.0	100.0

Coefficient of Utilization



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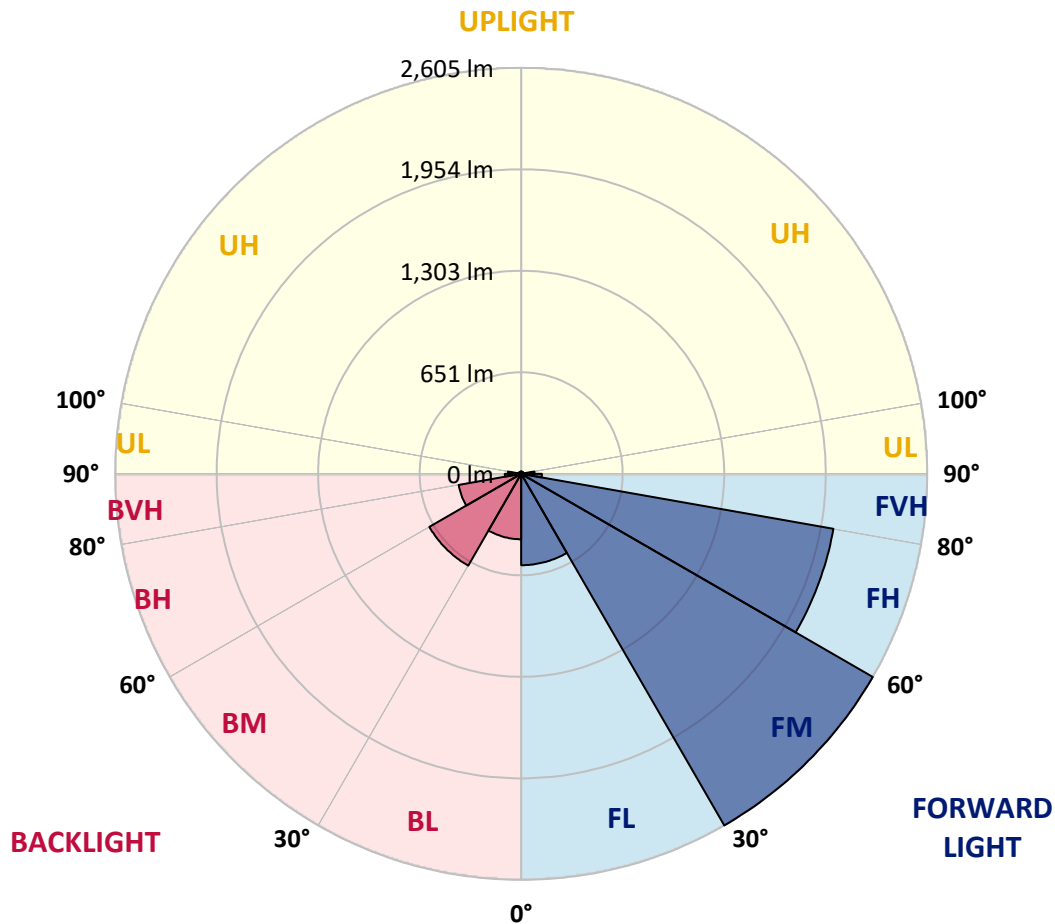
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	586.2	8.3			
FM	(30°-60°)	2605.1	36.8			
FH	(60°-80°)	2034.2	28.8			G2/5000
FVH	(80°-90°)	132.7	1.9			G2/225
BL	(0°-30°)	419.7	5.9	B1/500		
BM	(30°-60°)	680.2	9.6	B1/1000		
BH	(60°-80°)	407.3	5.8	B1/500		G1/500
BVH	(80°-90°)	104.5	1.5			G2/225
UL	(90°-100°)	85.9	1.2		U3/500	
UH	(100°-180°)	14.2	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°	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0
2.5°	1051.8	1051.8	1049.5	1049.5	1051.8	1054.1	1051.8	1049.5	1051.8	1054.1	1061.0
5°	1093.5	1091.2	1088.8	1079.6	1070.3	1063.4	1058.7	1056.4	1058.7	1068.0	1084.2
7.5°	1121.3	1119.0	1119.0	1116.6	1107.4	1088.8	1077.3	1074.9	1074.9	1077.3	1098.1
10°	1179.2	1174.6	1165.3	1149.1	1139.8	1116.6	1095.8	1091.2	1091.2	1095.8	1121.3
12.5°	1241.8	1232.5	1234.8	1216.3	1188.5	1163.0	1132.9	1121.3	1116.6	1121.3	1135.2
15°	1327.5	1320.5	1302.0	1281.1	1253.3	1218.6	1181.5	1163.0	1160.7	1167.6	1156.0
17.5°	1390.0	1380.8	1383.1	1353.0	1329.8	1283.5	1248.7	1214.0	1214.0	1223.2	1193.1
20°	1454.9	1450.3	1457.2	1450.3	1415.5	1373.8	1322.8	1281.1	1274.2	1278.8	1234.8
22.5°	1538.3	1531.3	1531.3	1533.7	1505.9	1464.2	1403.9	1362.2	1359.9	1341.4	1281.1
25°	1624.0	1617.1	1614.7	1619.4	1614.7	1566.1	1503.5	1461.8	1454.9	1429.4	1343.7
27.5°	1705.1	1705.1	1707.4	1712.0	1719.0	1679.6	1619.4	1573.0	1573.0	1545.2	1427.1
30°	1765.3	1765.3	1786.2	1795.4	1802.4	1793.1	1728.3	1684.2	1688.9	1651.8	1522.1
32.5°	1820.9	1823.2	1846.4	1869.6	1876.5	1883.5	1827.9	1800.1	1800.1	1765.3	1624.0
35°	1876.5	1876.5	1909.0	1955.3	1978.5	1971.5	1946.0	1936.8	1939.1	1932.1	1774.6
37.5°	1920.5	1925.2	1973.8	2031.7	2064.2	2075.8	2061.9	2092.0	2119.8	2140.6	1971.5
40°	1964.6	1964.6	2010.9	2073.4	2131.4	2163.8	2182.3	2295.9	2316.7	2323.7	2082.7
42.5°	1918.2	1929.8	2027.1	2119.8	2193.9	2249.5	2332.9	2502.0	2527.5	2448.8	2233.3
45°	1874.2	1888.1	1985.4	2140.6	2247.2	2358.4	2502.0	2673.5	2694.3	2576.2	2323.7
47.5°	1830.2	1846.4	1953.0	2122.1	2295.9	2478.9	2634.1	2824.1	2833.3	2680.4	2425.6
50°	1783.9	1800.1	1913.6	2101.2	2326.0	2601.7	2766.1	2960.7	2960.7	2773.1	2485.8
52.5°	1725.9	1744.5	1860.3	2068.8	2349.1	2685.1	2886.6	3060.4	3041.8	2884.3	2553.0
55°	1651.8	1677.3	1800.1	2022.5	2358.4	2729.1	2963.1	3157.7	3153.0	3021.0	2638.7
57.5°	1573.0	1593.9	1725.9	1962.2	2349.1	2759.2	3044.1	3326.8	3333.7	3139.1	2705.9
60°	1485.0	1498.9	1626.3	1878.8	2288.9	2812.5	3227.2	3507.5	3516.8	3248.0	2731.4
62.5°	1369.2	1378.4	1498.9	1765.3	2207.8	2847.2	3359.2	3672.0	3667.3	3345.3	2736.0
65°	1223.2	1234.8	1348.3	1614.7	2087.3	2824.1	3391.7	3743.8	3748.4	3391.7	2729.1
67.5°	1081.9	1088.8	1183.8	1415.5	1892.7	2712.9	3359.2	3785.5	3806.3	3431.0	2661.9
70°	894.2	896.6	980.0	1186.2	1624.0	2499.7	3294.3	3811.0	3799.4	3384.7	2546.1
72.5°	688.1	690.4	752.9	908.1	1262.6	2129.0	3065.0	3595.5	3574.7	3129.9	2295.9
75°	488.8	498.1	535.2	637.1	845.6	1554.5	2622.5	3183.1	3197.0	2784.7	1913.6
77.5°	278.0	287.3	317.4	398.5	486.5	871.1	1980.8	2654.9	2664.2	2342.2	1468.8
80°	120.5	122.8	134.4	190.0	259.5	417.0	1014.7	1860.3	1994.7	1591.6	838.6
82.5°	101.9	101.9	106.6	111.2	113.5	190.0	393.8	576.9	595.4	470.3	273.4
85°	88.0	88.0	92.7	97.3	99.6	129.7	238.6	289.6	301.2	268.7	192.3
87.5°	69.5	69.5	76.5	81.1	81.1	106.6	178.4	215.5	222.4	215.5	171.4
90°	62.6	62.6	60.2	60.2	62.6	76.5	139.0	180.7	187.7	229.4	196.9
92.5°	53.3	55.6	55.6	55.6	48.7	55.6	99.6	159.9	173.8	227.0	178.4
95°	53.3	51.0	51.0	48.7	46.3	48.7	74.1	139.0	155.2	196.9	150.6
97.5°	37.1	34.8	37.1	39.4	41.7	44.0	62.6	101.9	113.5	152.9	111.2
100°	23.2	23.2	23.2	23.2	27.8	30.1	51.0	62.6	69.5	97.3	74.1
102.5°	13.9	11.6	11.6	11.6	13.9	18.5	25.5	34.8	37.1	55.6	44.0
105°	4.6	4.6	4.6	4.6	7.0	9.3	9.3	13.9	13.9	18.5	18.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	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	2.3	2.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	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	2.3	0.0	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	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	2.3	2.3	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	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°	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0	1061.0
2.5°	1065.7	1070.3	1079.6	1091.2	1105.1	1116.6	1125.9	1128.2	1132.9	1132.9	1137.5
5°	1088.8	1098.1	1112.0	1128.2	1135.2	1130.6	1130.6	1132.9	1137.5	1149.1	1153.7
7.5°	1114.3	1121.3	1121.3	1128.2	1142.1	1137.5	1135.2	1132.9	1132.9	1128.2	1135.2
10°	1123.6	1114.3	1125.9	1123.6	1119.0	1128.2	1130.6	1116.6	1119.0	1119.0	1121.3
12.5°	1125.9	1125.9	1116.6	1116.6	1116.6	1095.8	1091.2	1102.7	1091.2	1095.8	1093.5
15°	1151.4	1132.9	1121.3	1107.4	1088.8	1081.9	1065.7	1047.1	1047.1	1051.8	1051.8
17.5°	1169.9	1151.4	1116.6	1079.6	1072.6	1040.2	1028.6	1024.0	1021.7	1024.0	1028.6
20°	1197.7	1169.9	1112.0	1074.9	1014.7	1003.1	982.3	980.0	975.3	959.1	954.5
22.5°	1234.8	1190.8	1109.7	1035.6	986.9	947.5	910.5	887.3	885.0	873.4	866.4
25°	1276.5	1232.5	1119.0	1017.0	935.9	878.0	847.9	794.6	769.1	778.4	773.8
27.5°	1362.2	1281.1	1135.2	991.5	894.2	803.9	734.4	702.0	669.5	669.5	674.2
30°	1441.0	1343.7	1135.2	968.4	824.7	715.9	625.5	574.5	560.6	551.4	546.7
32.5°	1559.1	1422.5	1183.8	935.9	759.9	602.3	500.4	440.2	442.5	451.8	449.4
35°	1695.8	1547.6	1197.7	889.6	664.9	488.8	386.9	354.5	373.0	377.6	377.6
37.5°	1860.3	1700.5	1260.3	852.5	565.3	361.4	305.8	291.9	308.1	305.8	315.1
40°	1950.7	1774.6	1313.6	806.2	433.2	266.4	236.3	227.0	252.5	273.4	278.0
42.5°	2078.1	1862.6	1364.5	718.2	294.2	194.6	180.7	210.8	247.9	271.1	273.4
45°	2147.6	1913.6	1343.7	609.3	187.7	157.5	176.1	213.1	252.5	275.7	278.0
47.5°	2231.0	1980.8	1306.6	474.9	150.6	155.2	178.4	217.8	259.5	280.3	280.3
50°	2314.4	2048.0	1216.3	373.0	141.3	152.9	183.0	220.1	257.2	271.1	271.1
52.5°	2363.0	2105.9	1109.7	271.1	139.0	152.9	185.3	222.4	254.8	261.8	261.8
55°	2407.1	2110.5	1017.0	201.6	136.7	155.2	187.7	227.0	257.2	264.1	261.8
57.5°	2432.5	2080.4	952.2	173.8	134.4	155.2	190.0	231.7	275.7	291.9	287.3
60°	2418.6	2034.1	903.5	162.2	132.1	155.2	192.3	245.6	349.8	377.6	368.4
62.5°	2395.5	2001.6	801.6	148.3	127.4	155.2	194.6	278.0	389.2	403.1	391.5
65°	2365.4	1906.6	685.7	134.4	122.8	152.9	196.9	301.2	370.7	370.7	368.4
67.5°	2240.2	1779.2	512.0	120.5	115.8	152.9	201.6	296.5	356.8	386.9	386.9
70°	2073.4	1566.1	338.2	106.6	108.9	148.3	210.8	301.2	368.4	410.1	405.4
72.5°	1756.1	1299.7	187.7	92.7	99.6	146.0	210.8	319.7	398.5	444.8	437.9
75°	1434.0	961.4	134.4	83.4	90.4	141.3	213.1	331.3	426.3	474.9	463.3
77.5°	1010.1	551.4	106.6	71.8	81.1	134.4	210.8	326.7	440.2	484.2	470.3
80°	426.3	199.2	88.0	64.9	69.5	120.5	194.6	312.8	440.2	512.0	505.0
82.5°	192.3	141.3	76.5	57.9	64.9	99.6	180.7	301.2	426.3	514.3	556.0
85°	150.6	115.8	64.9	51.0	57.9	95.0	162.2	287.3	407.7	474.9	521.3
87.5°	143.6	115.8	57.9	46.3	53.3	81.1	125.1	266.4	366.0	437.9	474.9
90°	155.2	120.5	46.3	39.4	48.7	71.8	101.9	224.7	317.4	384.6	384.6
92.5°	143.6	111.2	34.8	30.1	51.0	57.9	97.3	139.0	229.4	192.3	238.6
95°	120.5	92.7	23.2	20.9	48.7	48.7	53.3	64.9	159.9	4.6	0.0
97.5°	88.0	67.2	13.9	11.6	37.1	39.4	25.5	30.1	64.9	0.0	0.0
100°	64.9	44.0	9.3	9.3	23.2	32.4	16.2	16.2	0.0	0.0	0.0
102.5°	34.8	23.2	7.0	4.6	11.6	18.5	7.0	4.6	0.0	0.0	0.0
105°	18.5	9.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
107.5°	4.6	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	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°	2.3	2.3	2.3	2.3	2.3	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	0.0	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	0.0	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	2.3	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)