

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: P691664

Luminaire Tested: **CRTK2-C018-D-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6183 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 50.4
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

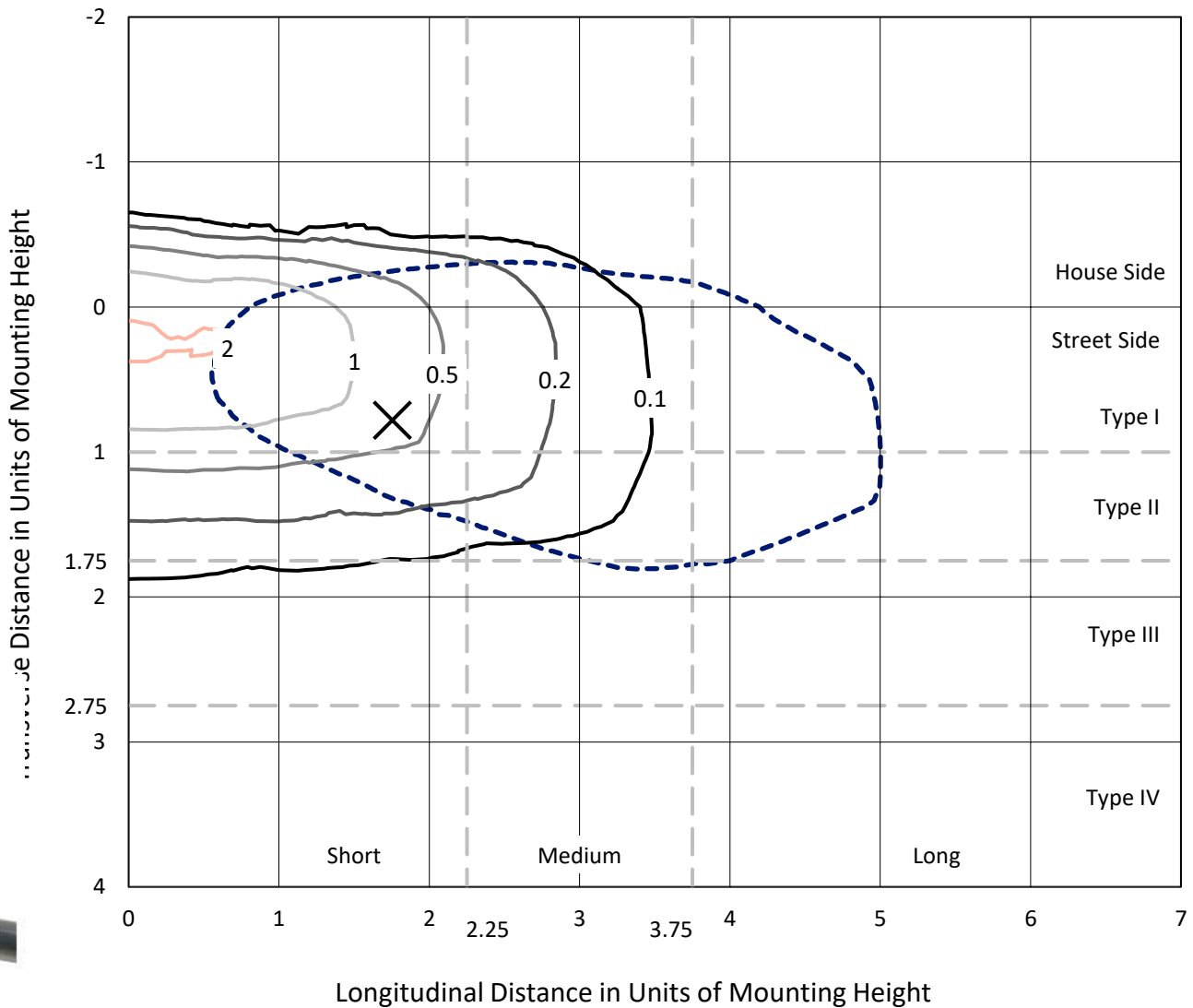


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CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

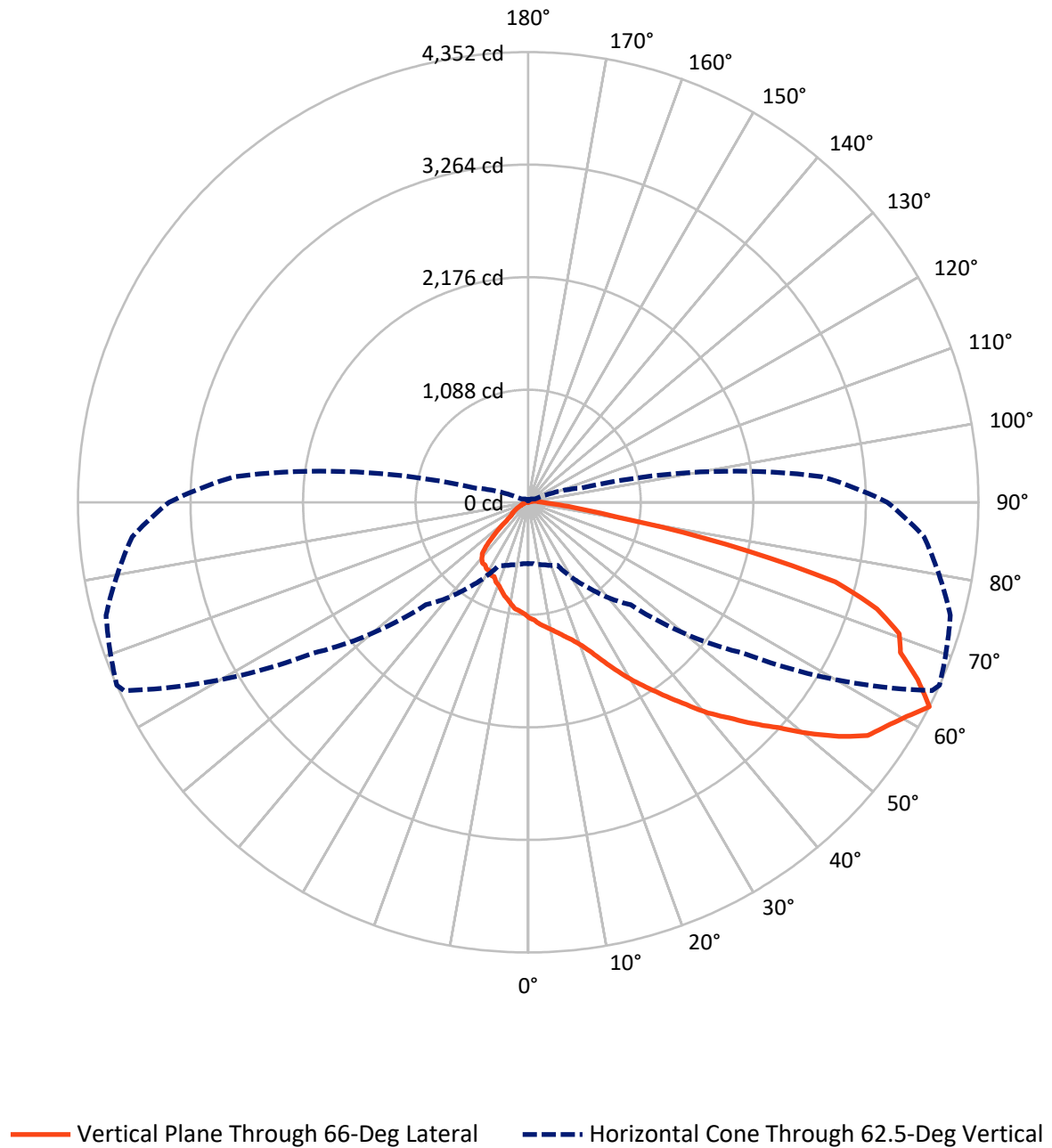


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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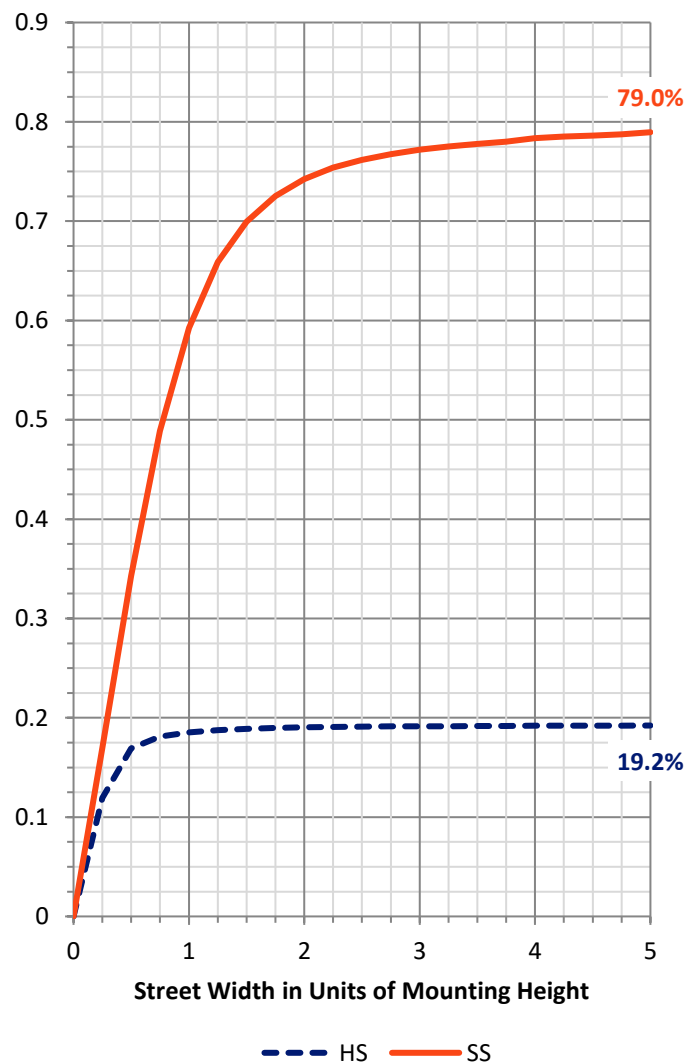
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1205.5	17.0	1222.5
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	4913.4	47.1	4960.5
	% Fixture	79.5	0.8	80.2
Total	Lumens	6118.9	64.2	6183.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	1.7
10°-20°	311.1	5.0
20°-30°	523.5	8.5
30°-40°	778.5	12.6
40°-50°	1030.0	16.7
50°-60°	1199.2	19.4
60°-70°	1197.2	19.4
70°-80°	803.4	13.0
80°-90°	169.8	2.7
90°-100°	51.7	0.8
100°-110°	9.0	0.1
110°-120°	0.7	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°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6118.9	99.0
0°-180°	6183.0	100.0

Coefficient of Utilization



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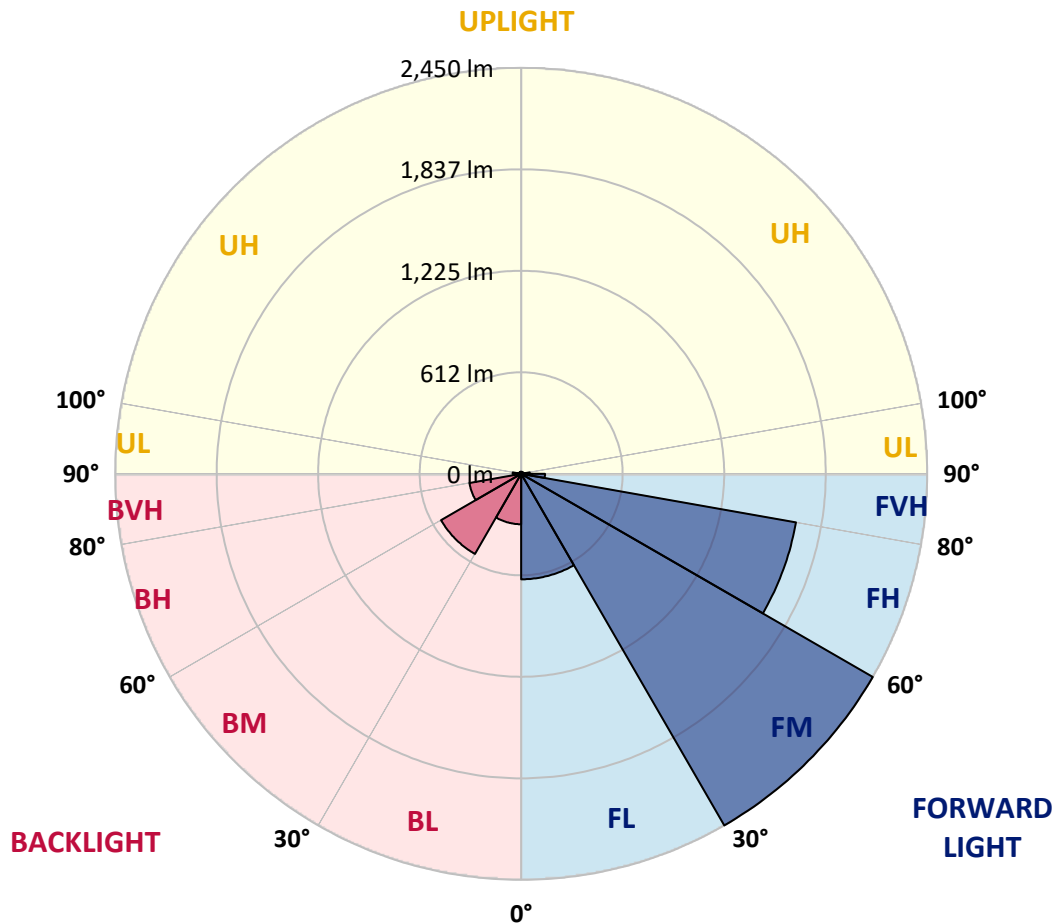
CATALOG NUMBER: CRTK2-C018-D-U-T2-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	636.5	10.3			
FM	(30°-60°)	2449.5	39.6			
FH	(60°-80°)	1683.7	27.2			G1/1800
FVH	(80°-90°)	143.6	2.3			G2/225
BL	(0°-30°)	304.2	4.9	B1/500		
BM	(30°-60°)	558.2	9.0	B1/1000		
BH	(60°-80°)	317.0	5.1	B1/500		G1/500
BVH	(80°-90°)	26.1	0.4			G1/100
UL	(90°-100°)	51.7	0.8		U3/500	
UH	(100°-180°)	12.5	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1
2.5°	1192.5	1185.6	1187.9	1176.5	1165.1	1158.2	1151.3	1139.9	1139.9	1130.8	1119.4
5°	1277.0	1279.3	1277.0	1263.3	1249.6	1229.0	1203.9	1183.3	1183.3	1162.8	1135.4
7.5°	1334.1	1331.8	1331.8	1315.8	1306.7	1295.3	1265.6	1219.9	1217.6	1190.2	1155.9
10°	1356.9	1359.2	1368.4	1345.5	1336.4	1320.4	1304.4	1258.7	1254.1	1208.5	1153.6
12.5°	1407.2	1409.5	1404.9	1386.6	1375.2	1363.8	1338.7	1299.8	1295.3	1245.0	1169.6
15°	1466.6	1466.6	1459.7	1441.5	1434.6	1418.6	1388.9	1352.4	1347.8	1290.7	1199.3
17.5°	1498.6	1503.1	1503.1	1478.0	1480.3	1473.4	1457.5	1409.5	1402.6	1350.1	1240.4
20°	1514.6	1516.9	1521.4	1521.4	1519.1	1516.9	1526.0	1482.6	1478.0	1416.3	1288.4
22.5°	1560.3	1564.8	1576.2	1569.4	1576.2	1585.4	1587.7	1585.4	1578.5	1512.3	1368.4
25°	1580.8	1594.5	1610.5	1631.1	1651.6	1665.3	1697.3	1713.3	1708.7	1644.8	1494.0
27.5°	1558.0	1571.7	1628.8	1667.6	1731.6	1770.4	1829.8	1854.9	1852.7	1800.1	1624.2
30°	1596.8	1601.4	1626.5	1681.3	1763.6	1870.9	1953.2	1992.0	2001.1	1953.2	1761.3
32.5°	1539.7	1555.7	1626.5	1729.3	1852.7	1966.9	2046.8	2133.6	2145.1	2124.5	1941.8
35°	1535.1	1546.5	1585.4	1697.3	1854.9	2067.4	2177.0	2295.8	2305.0	2311.8	2124.5
37.5°	1471.2	1487.2	1564.8	1706.5	1923.5	2133.6	2286.7	2458.0	2480.9	2508.3	2277.6
40°	1400.3	1411.8	1478.0	1628.8	1907.5	2211.3	2391.8	2654.5	2677.3	2711.6	2480.9
42.5°	1295.3	1320.4	1432.3	1594.5	1898.3	2234.2	2496.9	2828.1	2848.7	2896.6	2652.2
45°	1201.6	1213.0	1299.8	1478.0	1825.2	2275.3	2586.0	3031.4	3052.0	3074.8	2787.0
47.5°	1128.5	1142.2	1224.4	1384.4	1752.1	2266.1	2668.2	3232.4	3255.3	3307.8	2953.7
50°	895.5	929.8	1137.6	1293.0	1631.1	2247.9	2739.0	3456.3	3508.9	3529.4	3127.4
52.5°	769.8	781.3	888.6	1210.7	1512.3	2181.6	2800.7	3700.8	3760.1	3721.3	3360.4
55°	717.3	724.2	776.7	1048.5	1404.9	2046.8	2850.9	3936.0	3979.5	3856.1	3531.7
57.5°	678.5	689.9	712.7	849.8	1279.3	1820.7	2853.2	4066.3	4082.2	3968.0	3613.9
60°	628.2	632.8	680.8	740.2	1137.6	1585.4	2775.6	4132.5	4203.3	4098.2	3780.7
62.5°	591.7	596.2	625.9	673.9	1002.9	1400.3	2547.1	4308.4	4351.8	4223.9	3842.4
65°	546.0	552.8	578.0	625.9	909.2	1288.4	2432.9	4262.7	4137.1	4194.2	3913.2
67.5°	498.0	502.6	530.0	566.5	774.4	1181.0	2149.6	3972.6	3881.2	4045.7	3723.6
70°	447.7	452.3	477.4	502.6	637.4	1048.5	1791.0	3725.9	3803.6	3812.7	3545.4
72.5°	395.2	399.8	422.6	443.2	527.7	881.8	1423.2	3479.2	3527.1	3387.8	3131.9
75°	342.7	344.9	363.2	383.8	438.6	710.5	1018.8	2885.2	3068.0	3237.0	2702.5
77.5°	276.4	281.0	299.3	306.1	351.8	573.4	660.2	1715.6	1955.5	2832.7	2426.0
80°	203.3	205.6	223.9	221.6	262.7	418.0	415.8	815.5	877.2	1749.9	1781.8
82.5°	134.8	139.3	155.3	150.8	178.2	253.6	260.4	438.6	468.3	678.5	781.3
85°	107.4	109.7	118.8	109.7	118.8	127.9	143.9	265.0	269.6	402.1	399.8
87.5°	86.8	89.1	98.2	91.4	93.7	98.2	114.2	169.0	173.6	253.6	262.7
90°	68.5	70.8	82.2	75.4	75.4	82.2	95.9	125.6	132.5	198.7	214.7
92.5°	45.7	45.7	52.5	50.3	50.3	59.4	84.5	93.7	100.5	185.0	194.2
95°	34.3	34.3	36.6	36.6	36.6	43.4	64.0	89.1	98.2	180.5	175.9
97.5°	22.8	22.8	25.1	25.1	25.1	27.4	36.6	73.1	82.2	146.2	143.9
100°	16.0	16.0	16.0	13.7	13.7	13.7	20.6	48.0	54.8	93.7	93.7
102.5°	11.4	9.1	9.1	9.1	6.9	6.9	9.1	22.8	25.1	50.3	48.0
105°	2.3	2.3	4.6	4.6	4.6	2.3	2.3	9.1	9.1	20.6	20.6
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	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	2.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	2.3
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	2.3
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°	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1	1117.1
2.5°	1112.5	1105.7	1089.7	1076.0	1064.5	1053.1	1034.8	1028.0	1023.4	1030.3	1030.3
5°	1119.4	1101.1	1073.7	1050.8	1030.3	1005.1	977.7	961.7	948.0	954.9	954.9
7.5°	1130.8	1105.7	1071.4	1032.6	980.0	936.6	902.3	881.8	870.4	877.2	881.8
10°	1123.9	1096.5	1050.8	991.4	929.8	884.1	840.7	808.7	797.3	792.7	797.3
12.5°	1130.8	1098.8	1021.1	950.3	890.9	817.8	765.3	731.0	717.3	717.3	717.3
15°	1153.6	1105.7	1002.9	920.6	829.2	758.4	703.6	667.0	662.5	646.5	646.5
17.5°	1185.6	1112.5	996.0	874.9	774.4	701.3	637.4	600.8	589.4	591.7	591.7
20°	1217.6	1126.2	982.3	836.1	724.2	637.4	571.1	536.8	509.4	500.3	504.9
22.5°	1272.4	1165.1	970.9	815.5	667.0	584.8	511.7	454.6	408.9	395.2	388.4
25°	1352.4	1226.7	986.9	767.6	632.8	525.4	438.6	358.7	303.8	290.1	287.8
27.5°	1498.6	1322.7	1005.1	767.6	578.0	472.9	349.5	265.0	221.6	207.9	212.5
30°	1635.6	1452.9	1057.7	726.4	555.1	379.2	260.4	198.7	159.9	143.9	148.5
32.5°	1749.9	1576.2	1130.8	717.3	488.9	281.0	189.6	139.3	111.9	102.8	105.1
35°	1914.3	1681.3	1187.9	685.3	402.1	205.6	132.5	98.2	86.8	82.2	82.2
37.5°	2072.0	1809.3	1245.0	678.5	297.0	150.8	89.1	80.0	77.7	70.8	70.8
40°	2222.7	1939.5	1270.1	639.6	210.2	98.2	75.4	73.1	70.8	64.0	64.0
42.5°	2407.8	2065.1	1293.0	589.4	146.2	73.1	66.2	68.5	66.2	59.4	57.1
45°	2549.4	2149.6	1299.8	461.5	93.7	68.5	61.7	64.0	61.7	54.8	54.8
47.5°	2668.2	2263.9	1272.4	315.2	77.7	64.0	57.1	59.4	57.1	52.5	50.3
50°	2789.3	2368.9	1247.3	169.0	73.1	61.7	54.8	50.3	52.5	48.0	45.7
52.5°	2953.7	2446.6	1181.0	102.8	68.5	57.1	50.3	45.7	45.7	41.1	43.4
55°	3179.9	2638.5	1057.7	95.9	66.2	54.8	48.0	41.1	41.1	36.6	36.6
57.5°	3280.4	2713.9	858.9	86.8	64.0	54.8	43.4	36.6	32.0	29.7	27.4
60°	3403.8	2825.8	676.2	80.0	59.4	52.5	38.8	32.0	25.1	22.8	22.8
62.5°	3472.3	2848.7	527.7	73.1	57.1	45.7	34.3	25.1	20.6	16.0	16.0
65°	3506.6	2832.7	351.8	66.2	52.5	43.4	29.7	20.6	13.7	11.4	11.4
67.5°	3376.4	2748.2	203.3	61.7	50.3	38.8	25.1	16.0	11.4	9.1	6.9
70°	3154.8	2501.4	127.9	54.8	48.0	34.3	22.8	13.7	9.1	6.9	4.6
72.5°	2894.4	2042.3	93.7	50.3	45.7	29.7	18.3	11.4	6.9	4.6	4.6
75°	2643.1	1779.6	80.0	43.4	38.8	25.1	16.0	9.1	6.9	4.6	2.3
77.5°	1891.5	1213.0	70.8	38.8	34.3	20.6	11.4	9.1	4.6	2.3	2.3
80°	1343.2	712.7	64.0	32.0	27.4	16.0	11.4	6.9	4.6	2.3	2.3
82.5°	644.2	370.1	61.7	27.4	20.6	13.7	9.1	6.9	4.6	2.3	2.3
85°	292.4	157.6	45.7	25.1	18.3	13.7	9.1	6.9	4.6	4.6	2.3
87.5°	178.2	82.2	36.6	20.6	13.7	11.4	6.9	4.6	4.6	4.6	4.6
90°	166.8	107.4	27.4	16.0	11.4	9.1	6.9	2.3	0.0	0.0	0.0
92.5°	159.9	123.4	20.6	11.4	6.9	6.9	2.3	0.0	0.0	0.0	0.0
95°	150.8	116.5	22.8	6.9	11.4	4.6	2.3	0.0	0.0	0.0	0.0
97.5°	118.8	91.4	25.1	6.9	57.1	4.6	2.3	0.0	0.0	0.0	0.0
100°	75.4	57.1	18.3	6.9	68.5	4.6	0.0	0.0	0.0	0.0	0.0
102.5°	43.4	32.0	9.1	6.9	20.6	2.3	0.0	0.0	0.0	0.0	0.0
105°	18.3	16.0	4.6	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
107.5°	4.6	4.6	2.3	2.3	2.3	2.3	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	2.3	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	2.3	2.3	2.3	2.3	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	2.3	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
130°	2.3	2.3	2.3	4.6	2.3	2.3	2.3	0.0	0.0	0.0	0.0
132.5°	2.3	2.3	2.3	4.6	2.3	2.3	2.3	0.0	0.0	0.0	0.0
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
155°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
162.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
165°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
170°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
172.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.3	2.3	2.3	2.3	2.3	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)