

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: P691703

Luminaire Tested: **CRTK2-C018-D-U-T3-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691703
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-D-U-T3-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6971 lumens
Efficiency: N/A
Efficacy: 138.3 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): 50.4
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



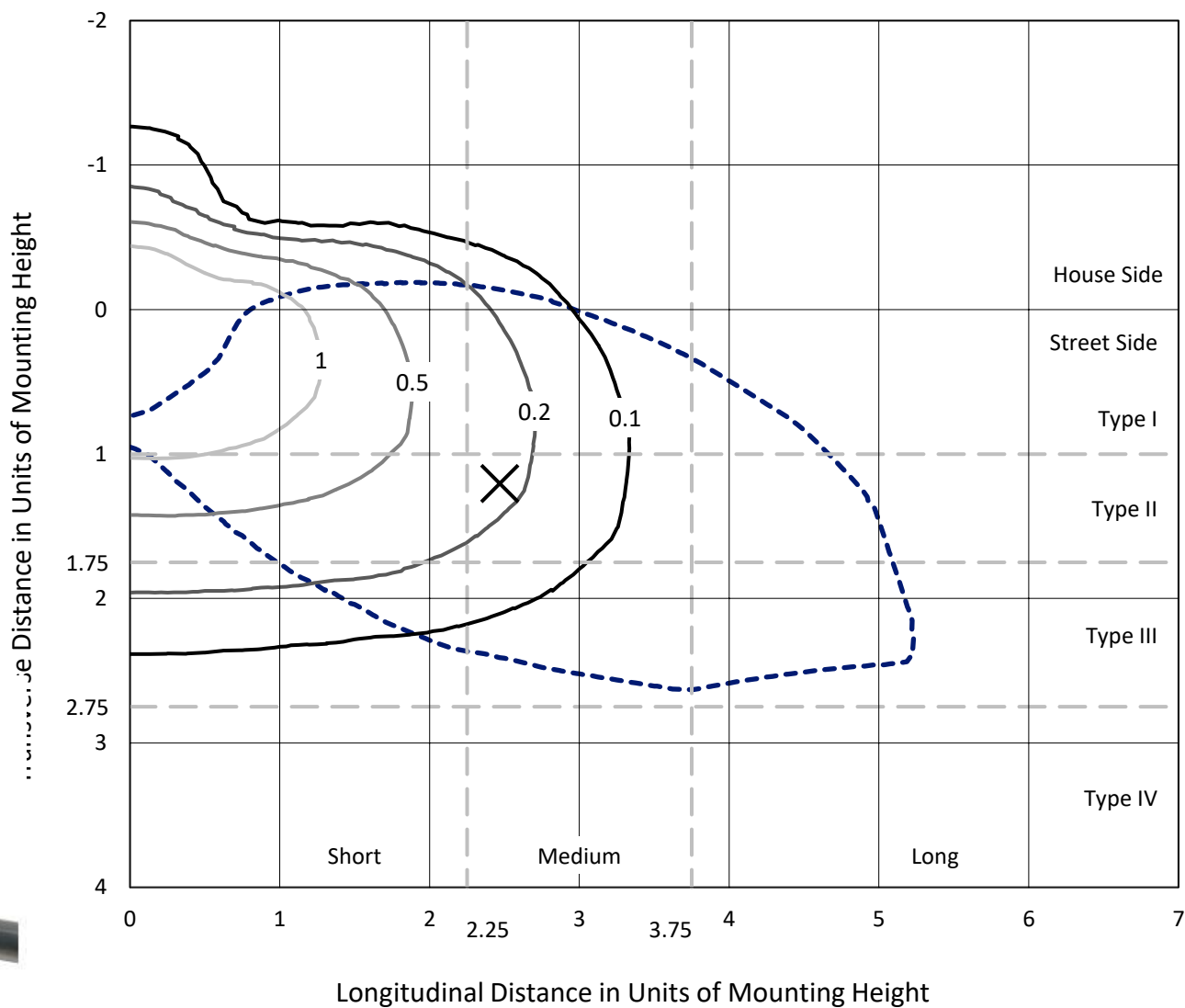
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

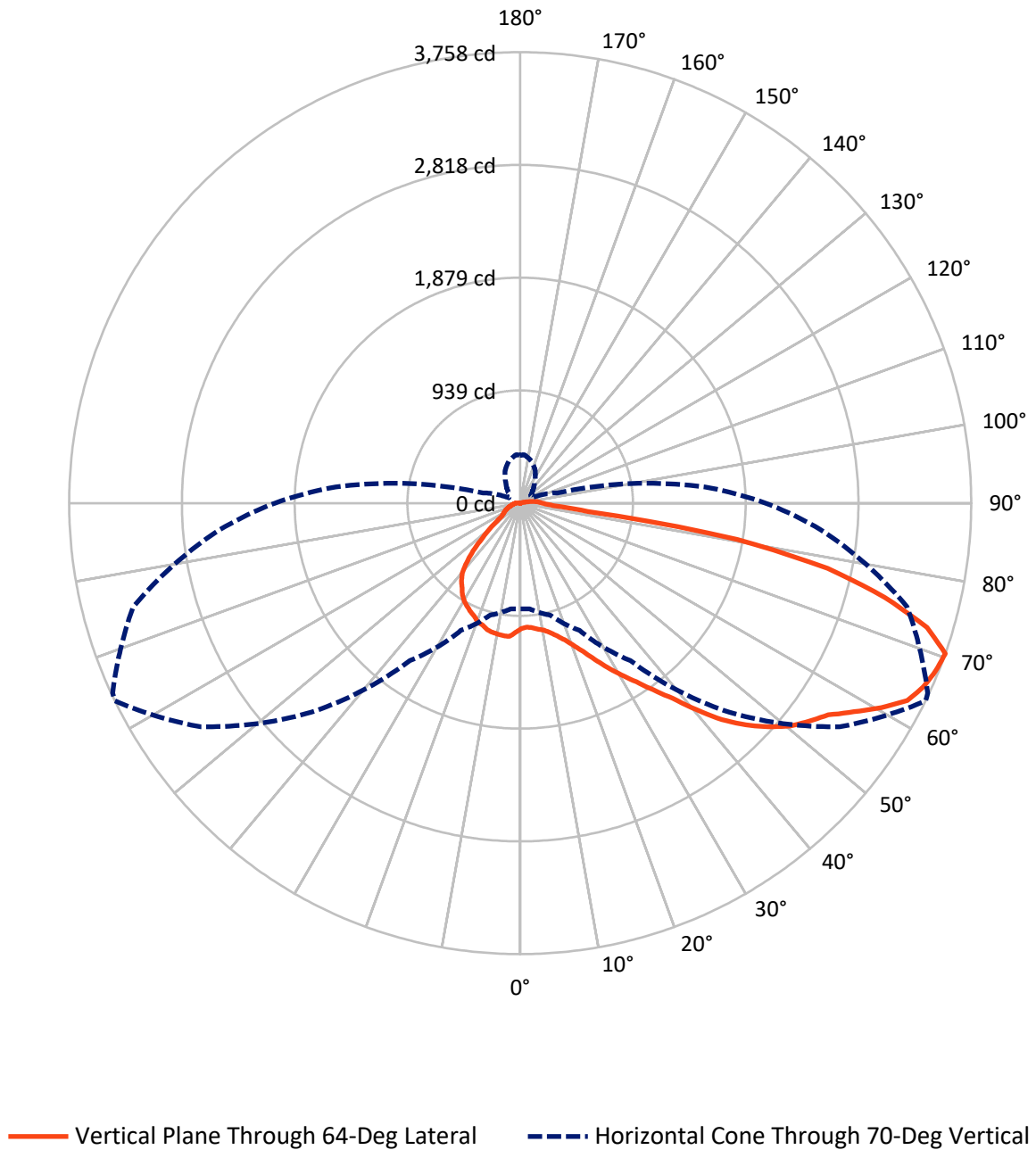
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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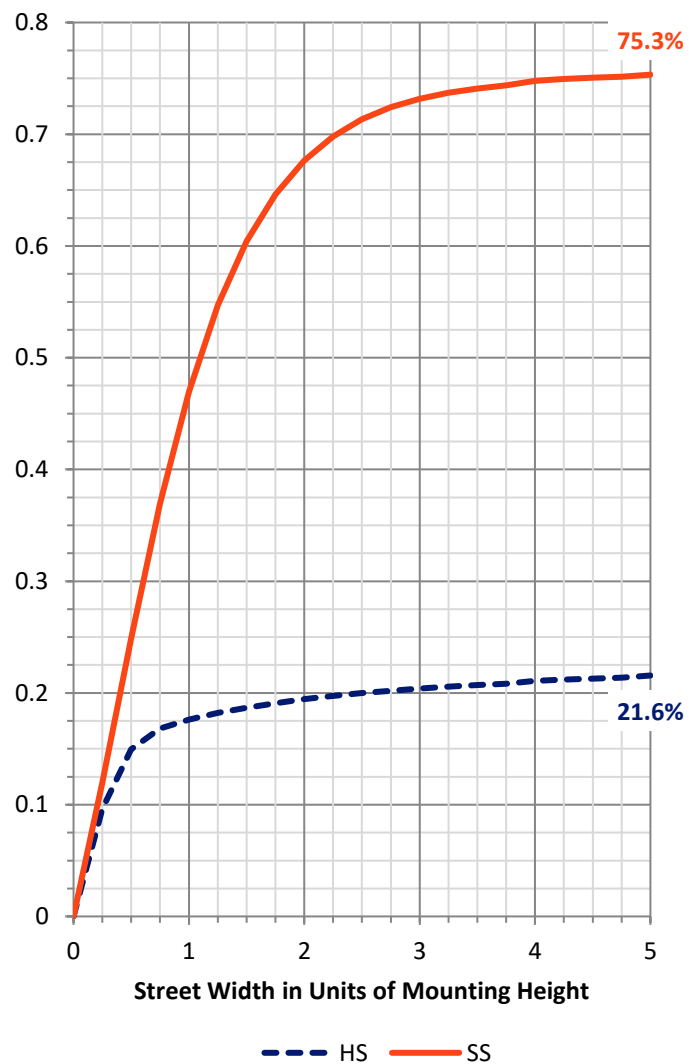
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1589.2	43.1	1632.3
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	5283.2	55.6	5338.8
	% Fixture	75.8	0.8	76.6
Total	Lumens	6872.4	98.7	6971.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	1.5
10°-20°	324.6	4.7
20°-30°	563.0	8.1
30°-40°	817.1	11.7
40°-50°	1096.5	15.7
50°-60°	1325.8	19.0
60°-70°	1427.1	20.5
70°-80°	980.2	14.1
80°-90°	233.9	3.4
90°-100°	84.6	1.2
100°-110°	10.6	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°	6872.4	98.6
0°-180°	6971.0	100.0

Coefficient of Utilization



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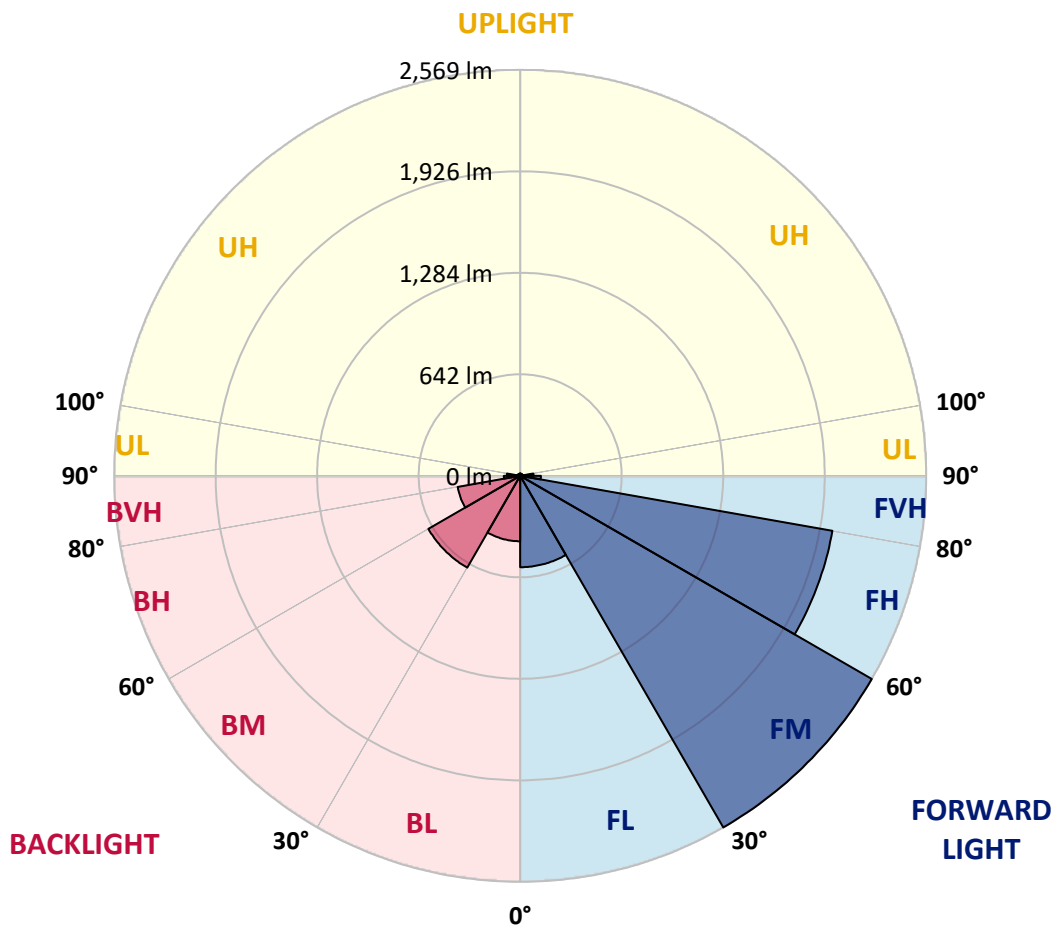
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	578.0	8.3			
FM	(30°-60°)	2568.7	36.8			
FH	(60°-80°)	2005.7	28.8			G2/5000
FVH	(80°-90°)	130.8	1.9			G2/225
BL	(0°-30°)	413.9	5.9	B1/500		
BM	(30°-60°)	670.7	9.6	B1/1000		
BH	(60°-80°)	401.6	5.8	B1/500		G1/500
BVH	(80°-90°)	103.0	1.5			G2/225
UL	(90°-100°)	84.6	1.2		U3/500	
UH	(100°-180°)	14.0	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°	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2
2.5°	1037.1	1037.1	1034.8	1034.8	1037.1	1039.3	1037.1	1034.8	1037.1	1039.3	1046.2
5°	1078.2	1075.9	1073.6	1064.5	1055.3	1048.5	1043.9	1041.6	1043.9	1053.0	1069.0
7.5°	1105.6	1103.3	1103.3	1101.0	1091.9	1073.6	1062.2	1059.9	1059.9	1062.2	1082.7
10°	1162.7	1158.1	1149.0	1133.0	1123.9	1101.0	1080.5	1075.9	1075.9	1080.5	1105.6
12.5°	1224.4	1215.2	1217.5	1199.2	1171.8	1146.7	1117.0	1105.6	1101.0	1105.6	1119.3
15°	1308.9	1302.0	1283.8	1263.2	1235.8	1201.5	1165.0	1146.7	1144.4	1151.3	1139.8
17.5°	1370.6	1361.4	1363.7	1334.0	1311.2	1265.5	1231.2	1197.0	1197.0	1206.1	1176.4
20°	1434.5	1429.9	1436.8	1429.9	1395.7	1354.6	1304.3	1263.2	1256.3	1260.9	1217.5
22.5°	1516.7	1509.9	1509.9	1512.2	1484.8	1443.7	1384.3	1343.1	1340.9	1322.6	1263.2
25°	1601.3	1594.4	1592.1	1596.7	1592.1	1544.2	1482.5	1441.4	1434.5	1409.4	1324.9
27.5°	1681.2	1681.2	1683.5	1688.1	1694.9	1656.1	1596.7	1551.0	1551.0	1523.6	1407.1
30°	1740.6	1740.6	1761.2	1770.3	1777.2	1768.0	1704.1	1660.7	1665.2	1628.7	1500.8
32.5°	1795.4	1797.7	1820.6	1843.4	1850.3	1857.1	1802.3	1774.9	1774.9	1740.6	1601.3
35°	1850.3	1850.3	1882.2	1927.9	1950.8	1943.9	1918.8	1909.6	1911.9	1905.1	1749.7
37.5°	1893.7	1898.2	1946.2	2003.3	2035.3	2046.7	2033.0	2062.7	2090.1	2110.7	1943.9
40°	1937.1	1937.1	1982.7	2044.4	2101.5	2133.5	2151.8	2263.7	2284.3	2291.1	2053.6
42.5°	1891.4	1902.8	1998.7	2090.1	2163.2	2218.0	2300.3	2467.0	2492.1	2414.5	2202.0
45°	1848.0	1861.7	1957.6	2110.7	2215.7	2325.4	2467.0	2636.0	2656.6	2540.1	2291.1
47.5°	1804.6	1820.6	1925.6	2092.4	2263.7	2444.2	2597.2	2784.5	2793.7	2642.9	2391.6
50°	1758.9	1774.9	1886.8	2071.8	2293.4	2565.2	2727.4	2919.3	2919.3	2734.3	2451.0
52.5°	1701.8	1720.0	1834.3	2039.8	2316.2	2647.5	2846.2	3017.5	2999.2	2843.9	2517.3
55°	1628.7	1653.8	1774.9	1994.2	2325.4	2690.9	2921.6	3113.4	3108.9	2978.7	2601.8
57.5°	1551.0	1571.6	1701.8	1934.8	2316.2	2720.6	3001.5	3280.2	3287.1	3095.2	2668.0
60°	1464.2	1477.9	1603.6	1852.5	2256.8	2773.1	3182.0	3458.4	3467.5	3202.5	2693.1
62.5°	1350.0	1359.1	1477.9	1740.6	2176.9	2807.4	3312.2	3620.6	3616.0	3298.5	2697.7
65°	1206.1	1217.5	1329.4	1592.1	2058.1	2784.5	3344.2	3691.4	3695.9	3344.2	2690.9
67.5°	1066.7	1073.6	1167.3	1395.7	1866.2	2674.9	3312.2	3732.5	3753.0	3383.0	2624.6
70°	881.7	884.0	966.2	1169.5	1601.3	2464.7	3248.2	3757.6	3746.2	3337.3	2510.4
72.5°	678.4	680.7	742.4	895.4	1244.9	2099.2	3022.1	3545.2	3524.6	3086.0	2263.7
75°	482.0	491.1	527.7	628.2	833.8	1532.7	2585.8	3138.6	3152.3	2745.7	1886.8
77.5°	274.1	283.2	312.9	392.9	479.7	858.9	1953.0	2617.8	2626.9	2309.4	1448.2
80°	118.8	121.1	132.5	187.3	255.8	411.2	1000.5	1834.3	1966.7	1569.3	826.9
82.5°	100.5	100.5	105.1	109.6	111.9	187.3	388.3	568.8	587.1	463.7	269.5
85°	86.8	86.8	91.4	95.9	98.2	127.9	235.3	285.5	297.0	265.0	189.6
87.5°	68.5	68.5	75.4	79.9	79.9	105.1	175.9	212.4	219.3	212.4	169.0
90°	61.7	61.7	59.4	59.4	61.7	75.4	137.1	178.2	185.0	226.1	194.2
92.5°	52.5	54.8	54.8	54.8	48.0	54.8	98.2	157.6	171.3	223.9	175.9
95°	52.5	50.3	50.3	48.0	45.7	48.0	73.1	137.1	153.0	194.2	148.5
97.5°	36.5	34.3	36.5	38.8	41.1	43.4	61.7	100.5	111.9	150.8	109.6
100°	22.8	22.8	22.8	22.8	27.4	29.7	50.3	61.7	68.5	95.9	73.1
102.5°	13.7	11.4	11.4	11.4	13.7	18.3	25.1	34.3	36.5	54.8	43.4
105°	4.6	4.6	4.6	4.6	6.9	9.1	9.1	13.7	13.7	18.3	18.3
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°	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2	1046.2
2.5°	1050.8	1055.3	1064.5	1075.9	1089.6	1101.0	1110.2	1112.4	1117.0	1117.0	1121.6
5°	1073.6	1082.7	1096.4	1112.4	1119.3	1114.7	1114.7	1117.0	1121.6	1133.0	1137.6
7.5°	1098.7	1105.6	1105.6	1112.4	1126.1	1121.6	1119.3	1117.0	1117.0	1112.4	1119.3
10°	1107.9	1098.7	1110.2	1107.9	1103.3	1112.4	1114.7	1101.0	1103.3	1103.3	1105.6
12.5°	1110.2	1110.2	1101.0	1101.0	1101.0	1080.5	1075.9	1087.3	1075.9	1080.5	1078.2
15°	1135.3	1117.0	1105.6	1091.9	1073.6	1066.7	1050.8	1032.5	1032.5	1037.1	1037.1
17.5°	1153.6	1135.3	1101.0	1064.5	1057.6	1025.6	1014.2	1009.6	1007.4	1009.6	1014.2
20°	1181.0	1153.6	1096.4	1059.9	1000.5	989.1	968.5	966.2	961.7	945.7	941.1
22.5°	1217.5	1174.1	1094.2	1021.1	973.1	934.3	897.7	874.9	872.6	861.2	854.3
25°	1258.6	1215.2	1103.3	1002.8	922.8	865.7	836.0	783.5	758.4	767.5	762.9
27.5°	1343.1	1263.2	1119.3	977.7	881.7	792.6	724.1	692.1	660.2	660.2	664.7
30°	1420.8	1324.9	1119.3	954.8	813.2	705.8	616.8	566.5	552.8	543.7	539.1
32.5°	1537.3	1402.5	1167.3	922.8	749.2	593.9	493.4	434.0	436.3	445.4	443.1
35°	1672.1	1525.9	1181.0	877.2	655.6	482.0	381.5	349.5	367.8	372.3	372.3
37.5°	1834.3	1676.6	1242.6	840.6	557.4	356.3	301.5	287.8	303.8	301.5	310.7
40°	1923.3	1749.7	1295.2	794.9	427.2	262.7	233.0	223.9	249.0	269.5	274.1
42.5°	2049.0	1836.5	1345.4	708.1	290.1	191.9	178.2	207.9	244.4	267.3	269.5
45°	2117.5	1886.8	1324.9	600.8	185.0	155.3	173.6	210.2	249.0	271.8	274.1
47.5°	2199.7	1953.0	1288.3	468.3	148.5	153.0	175.9	214.7	255.8	276.4	276.4
50°	2282.0	2019.3	1199.2	367.8	139.3	150.8	180.5	217.0	253.6	267.3	267.3
52.5°	2329.9	2076.4	1094.2	267.3	137.1	150.8	182.7	219.3	251.3	258.1	258.1
55°	2373.3	2081.0	1002.8	198.7	134.8	153.0	185.0	223.9	253.6	260.4	258.1
57.5°	2398.5	2051.3	938.8	171.3	132.5	153.0	187.3	228.4	271.8	287.8	283.2
60°	2384.8	2005.6	890.9	159.9	130.2	153.0	189.6	242.1	344.9	372.3	363.2
62.5°	2361.9	1973.6	790.4	146.2	125.6	153.0	191.9	274.1	383.8	397.5	386.0
65°	2332.2	1879.9	676.1	132.5	121.1	150.8	194.2	297.0	365.5	365.5	363.2
67.5°	2208.9	1754.3	504.8	118.8	114.2	150.8	198.7	292.4	351.8	381.5	381.5
70°	2044.4	1544.2	333.5	105.1	107.4	146.2	207.9	297.0	363.2	404.3	399.7
72.5°	1731.5	1281.5	185.0	91.4	98.2	143.9	207.9	315.2	392.9	438.6	431.7
75°	1414.0	948.0	132.5	82.2	89.1	139.3	210.2	326.6	420.3	468.3	456.9
77.5°	995.9	543.7	105.1	70.8	79.9	132.5	207.9	322.1	434.0	477.4	463.7
80°	420.3	196.4	86.8	64.0	68.5	118.8	191.9	308.4	434.0	504.8	498.0
82.5°	189.6	139.3	75.4	57.1	64.0	98.2	178.2	297.0	420.3	507.1	548.2
85°	148.5	114.2	64.0	50.3	57.1	93.7	159.9	283.2	402.0	468.3	514.0
87.5°	141.6	114.2	57.1	45.7	52.5	79.9	123.4	262.7	360.9	431.7	468.3
90°	153.0	118.8	45.7	38.8	48.0	70.8	100.5	221.6	312.9	379.2	379.2
92.5°	141.6	109.6	34.3	29.7	50.3	57.1	95.9	137.1	226.1	189.6	235.3
95°	118.8	91.4	22.8	20.6	48.0	48.0	52.5	64.0	157.6	4.6	0.0
97.5°	86.8	66.2	13.7	11.4	36.5	38.8	25.1	29.7	64.0	0.0	0.0
100°	64.0	43.4	9.1	9.1	22.8	32.0	16.0	16.0	0.0	0.0	0.0
102.5°	34.3	22.8	6.9	4.6	11.4	18.3	6.9	4.6	0.0	0.0	0.0
105°	18.3	9.1	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)