

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: P690884

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690884
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-C01-5TLD-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: 7070.9 lumens
Efficiency: N/A
Efficacy: 117.8 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 (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



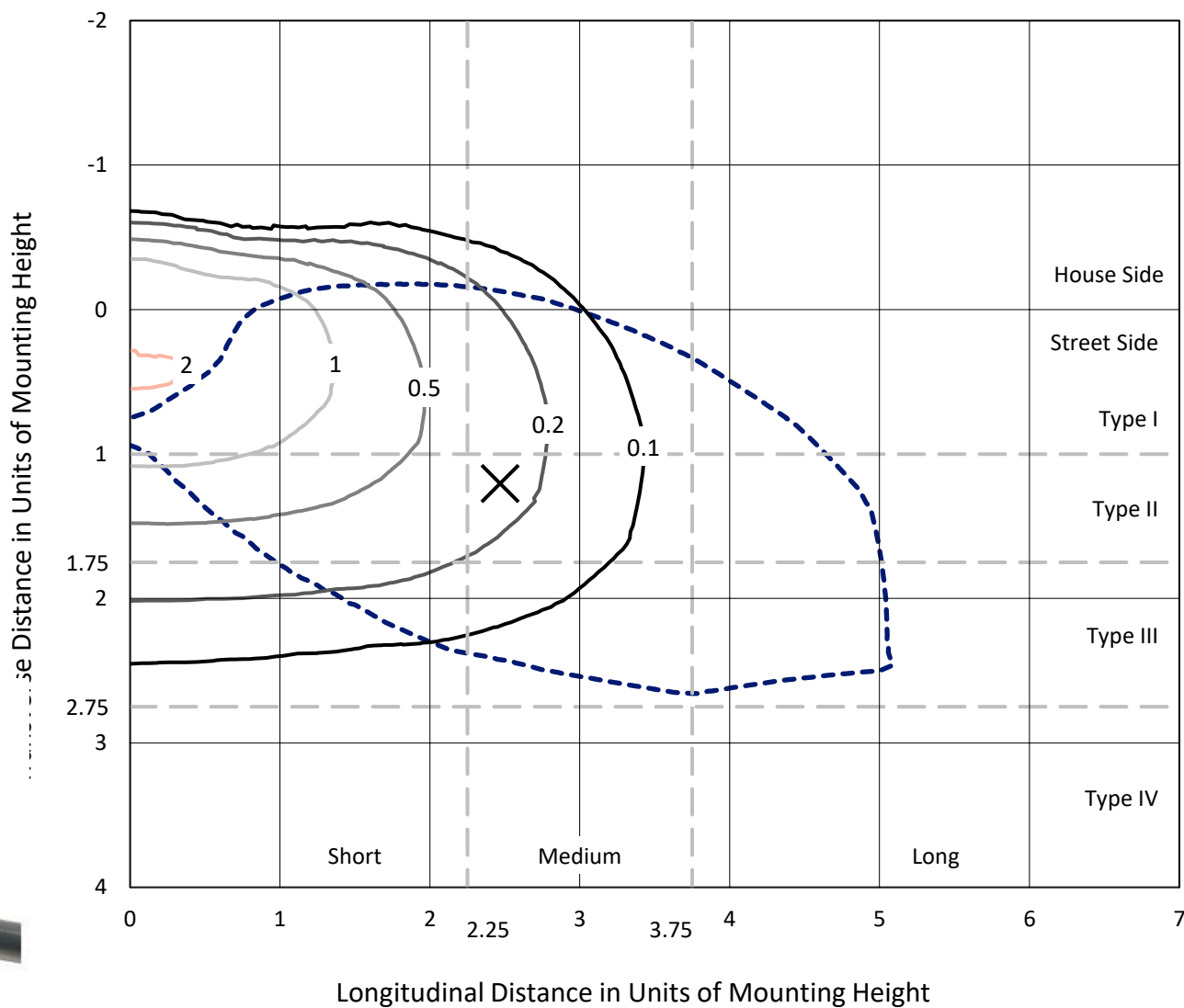
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

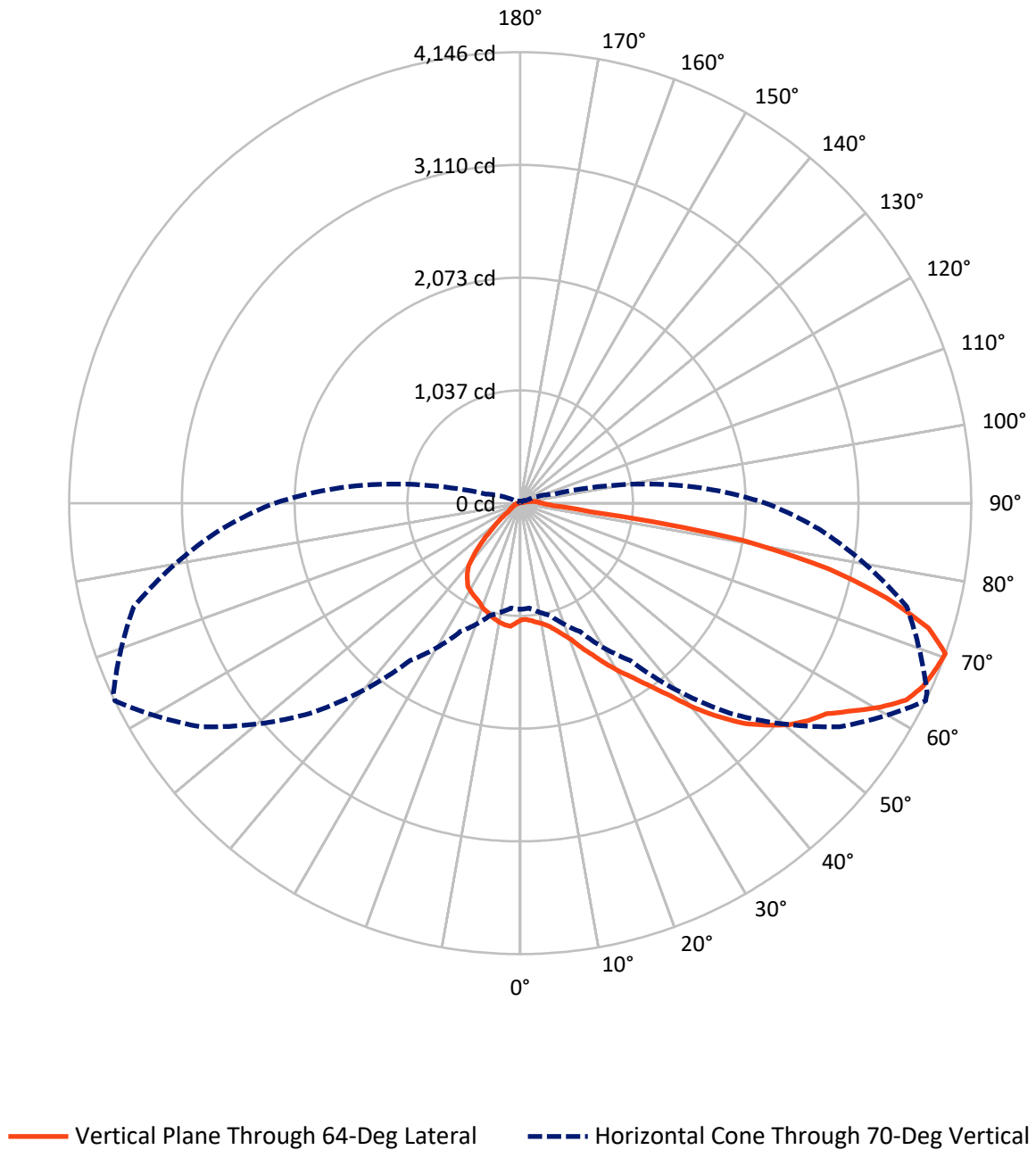


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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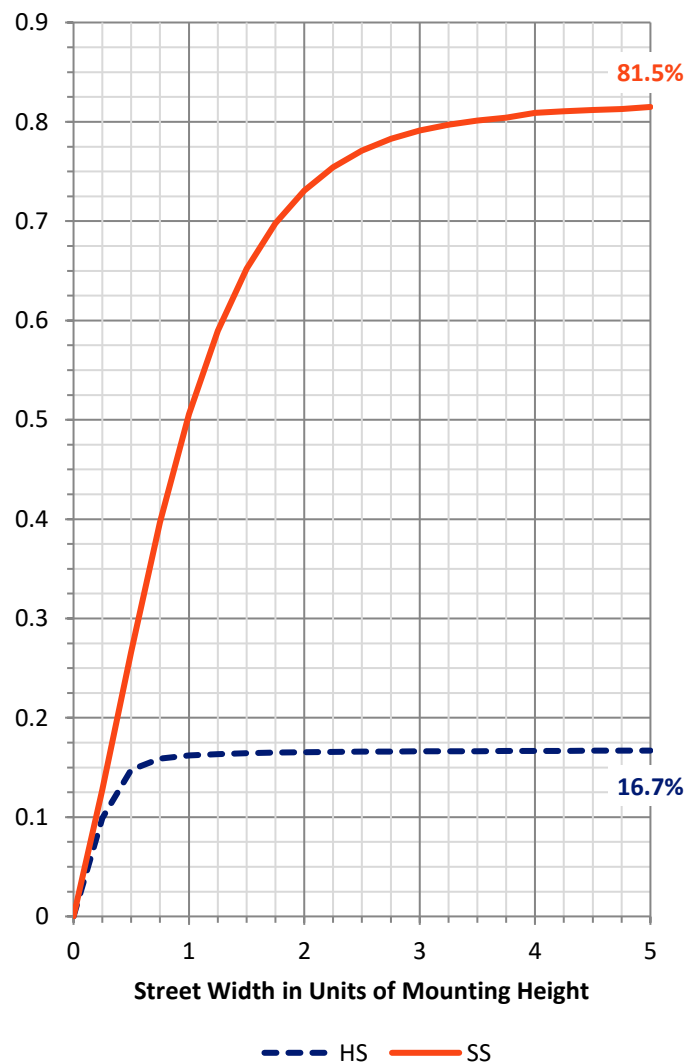
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1199.2	14.5	1213.8
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	5797.6	59.6	5857.2
	% Fixture	82.0	0.8	82.8
Total	Lumens	6996.8	74.2	7070.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	1.5
10°-20°	325.9	4.6
20°-30°	563.4	8.0
30°-40°	836.0	11.8
40°-50°	1148.3	16.2
50°-60°	1394.5	19.7
60°-70°	1481.5	21.0
70°-80°	978.8	13.8
80°-90°	162.1	2.3
90°-100°	60.4	0.9
100°-110°	10.2	0.1
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	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°	6996.8	99.0
0°-180°	7070.9	100.0

Coefficient of Utilization



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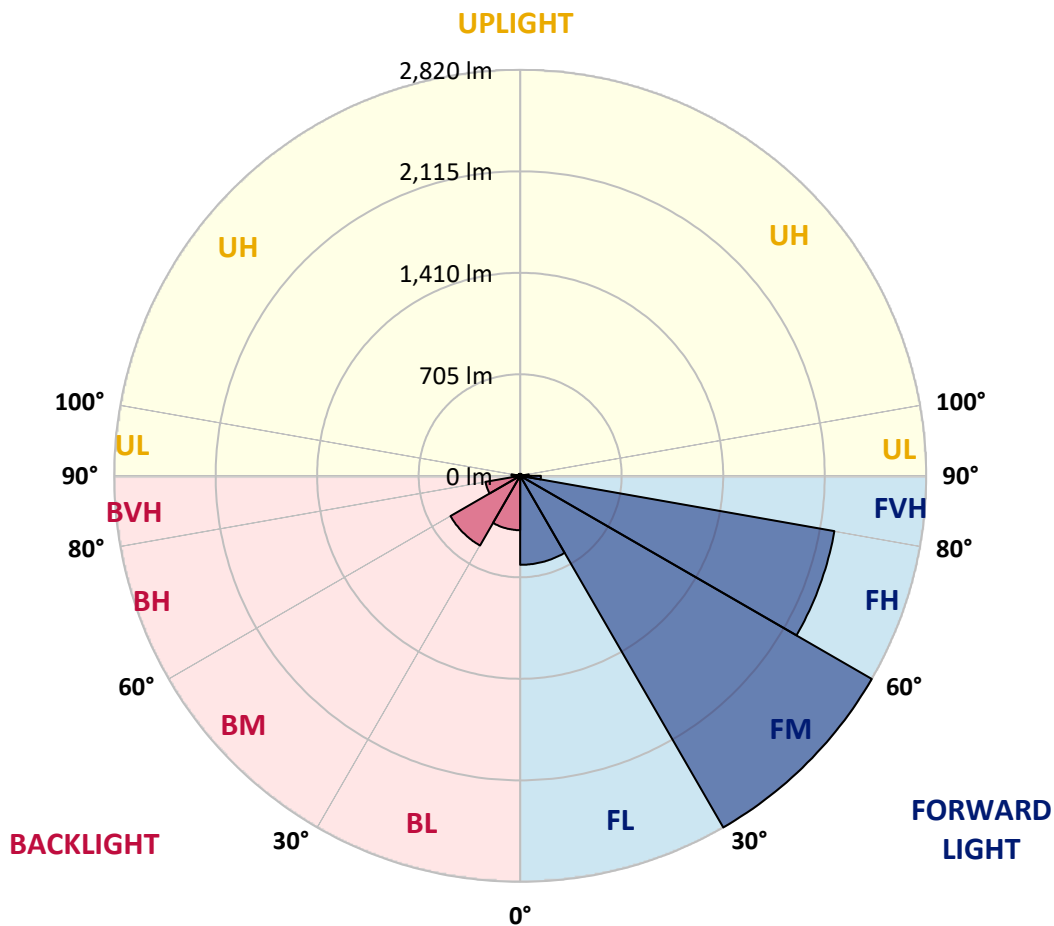
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	618.1	8.7			
FM	(30°-60°)	2819.8	39.9			
FH	(60°-80°)	2215.8	31.3			G2/5000
FVH	(80°-90°)	143.9	2.0			G2/225
BL	(0°-30°)	377.5	5.3	B1/500		
BM	(30°-60°)	559.0	7.9	B1/1000		
BH	(60°-80°)	244.5	3.5	B1/500		G1/500
BVH	(80°-90°)	18.2	0.3			G1/100
UL	(90°-100°)	60.4	0.9		U3/500	
UH	(100°-180°)	13.7	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°	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6
2.5°	1080.2	1077.7	1080.2	1077.7	1075.2	1072.6	1070.1	1070.1	1067.6	1070.1	1072.6
5°	1128.3	1130.8	1125.8	1115.6	1103.0	1092.9	1087.8	1085.3	1085.3	1087.8	1097.9
7.5°	1163.7	1161.2	1158.6	1156.1	1146.0	1123.2	1110.6	1105.5	1105.5	1100.5	1118.2
10°	1227.0	1221.9	1209.2	1194.1	1183.9	1158.6	1135.9	1128.3	1125.8	1128.3	1143.5
12.5°	1295.3	1290.2	1287.7	1272.5	1237.1	1214.3	1176.4	1158.6	1158.6	1158.6	1166.2
15°	1393.9	1386.3	1361.0	1343.3	1313.0	1275.0	1232.0	1206.7	1206.7	1211.8	1191.5
17.5°	1464.8	1459.7	1457.2	1426.8	1401.5	1343.3	1310.4	1267.4	1267.4	1277.5	1234.5
20°	1538.1	1533.1	1535.6	1530.5	1492.6	1447.0	1388.9	1338.3	1338.3	1340.8	1280.1
22.5°	1636.8	1629.2	1629.2	1626.7	1606.4	1553.3	1485.0	1442.0	1434.4	1414.2	1338.3
25°	1735.4	1732.9	1727.9	1730.4	1725.3	1664.6	1591.2	1543.2	1543.2	1515.3	1416.7
27.5°	1834.1	1834.1	1831.6	1834.1	1831.6	1793.6	1720.3	1669.7	1672.2	1636.8	1502.7
30°	1904.9	1902.4	1920.1	1927.7	1932.8	1917.6	1846.8	1791.1	1796.2	1760.7	1603.9
32.5°	1970.7	1968.2	1998.5	2016.2	2021.3	2018.8	1960.6	1915.1	1927.7	1894.8	1725.3
35°	2031.4	2028.9	2069.4	2114.9	2135.1	2130.1	2092.1	2066.8	2079.5	2077.0	1889.8
37.5°	2077.0	2084.6	2137.7	2200.9	2236.3	2238.9	2221.2	2249.0	2264.2	2314.8	2094.7
40°	2130.1	2130.1	2180.7	2249.0	2312.2	2337.5	2352.7	2479.2	2494.4	2504.5	2231.3
42.5°	2074.4	2089.6	2198.4	2299.6	2380.5	2438.7	2522.2	2686.6	2719.5	2643.6	2398.2
45°	2031.4	2044.1	2155.4	2324.9	2441.3	2550.0	2706.9	2889.0	2914.3	2782.8	2486.8
47.5°	1985.9	2006.1	2120.0	2307.2	2499.4	2686.6	2861.2	3048.4	3071.2	2901.7	2610.8
50°	1932.8	1955.5	2077.0	2281.9	2529.8	2815.7	3000.3	3202.7	3205.3	3005.4	2679.1
52.5°	1882.2	1897.3	2023.8	2249.0	2555.1	2914.3	3131.9	3319.1	3303.9	3136.9	2752.4
55°	1796.2	1826.5	1960.6	2203.5	2567.7	2970.0	3223.0	3417.8	3427.9	3278.6	2851.1
57.5°	1717.7	1738.0	1879.6	2137.7	2557.6	3002.9	3311.5	3602.4	3622.7	3405.1	2921.9
60°	1619.1	1631.7	1768.3	2046.6	2491.9	3058.5	3508.8	3807.3	3830.1	3526.5	2949.7
62.5°	1495.1	1495.1	1631.7	1925.2	2408.4	3099.0	3645.4	3984.4	3984.4	3622.7	2959.9
65°	1335.7	1343.3	1464.8	1760.7	2269.2	3076.2	3685.9	4067.9	4075.5	3691.0	2954.8
67.5°	1181.4	1178.9	1285.1	1545.7	2059.3	2957.3	3655.6	4110.9	4141.3	3731.5	2889.0
70°	976.5	968.9	1067.6	1302.8	1765.8	2732.2	3584.7	4146.3	4126.1	3678.3	2760.0
72.5°	751.3	743.8	817.1	996.7	1391.4	2345.1	3377.3	3923.7	3888.3	3389.9	2494.4
75°	533.8	523.7	581.9	700.8	915.8	1715.2	2896.6	3481.0	3440.5	3048.4	2082.0
77.5°	303.6	293.5	346.6	442.7	554.0	971.4	2193.3	2901.7	2957.3	2514.6	1591.2
80°	134.1	129.0	151.8	212.5	311.2	463.0	1194.1	2074.4	1998.5	1715.2	905.7
82.5°	113.8	113.8	116.4	121.4	126.5	212.5	447.8	652.7	624.9	503.4	288.4
85°	98.7	96.1	101.2	106.3	108.8	139.1	260.6	313.7	308.6	278.3	199.9
87.5°	81.0	75.9	83.5	88.5	88.5	113.8	194.8	230.2	230.2	232.7	177.1
90°	70.8	70.8	65.8	65.8	68.3	81.0	149.3	189.7	194.8	240.3	204.9
92.5°	60.7	60.7	60.7	60.7	50.6	58.2	106.3	169.5	182.1	235.3	184.7
95°	58.2	55.7	58.2	53.1	50.6	53.1	81.0	149.3	164.4	207.4	161.9
97.5°	40.5	37.9	43.0	43.0	45.5	48.1	68.3	111.3	116.4	154.3	121.4
100°	27.8	25.3	25.3	25.3	32.9	32.9	55.7	68.3	70.8	98.7	81.0
102.5°	15.2	12.6	12.6	12.6	17.7	20.2	27.8	37.9	37.9	53.1	45.5
105°	5.1	5.1	7.6	7.6	7.6	10.1	10.1	12.6	12.6	15.2	20.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	2.5
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	2.5	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	2.5	2.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6	1072.6
2.5°	1075.2	1080.2	1092.9	1100.5	1110.6	1120.7	1128.3	1128.3	1135.9	1130.8	1128.3
5°	1108.1	1110.6	1125.8	1135.9	1133.3	1123.2	1115.6	1110.6	1113.1	1118.2	1118.2
7.5°	1130.8	1140.9	1128.3	1128.3	1125.8	1113.1	1097.9	1082.8	1075.2	1072.6	1072.6
10°	1143.5	1133.3	1128.3	1115.6	1087.8	1080.2	1067.6	1039.7	1032.2	1032.2	1022.0
12.5°	1151.1	1146.0	1118.2	1095.4	1070.1	1029.6	1001.8	996.7	974.0	971.4	974.0
15°	1181.4	1156.1	1120.7	1077.7	1029.6	994.2	956.3	915.8	898.1	900.6	903.1
17.5°	1201.7	1178.9	1115.6	1047.3	1004.3	938.6	895.5	872.8	845.0	845.0	845.0
20°	1234.5	1196.6	1108.1	1034.7	933.5	885.4	834.8	809.5	781.7	733.6	728.6
22.5°	1277.5	1229.5	1105.5	996.7	905.7	827.2	753.9	675.5	635.0	607.2	599.6
25°	1330.7	1275.0	1123.2	979.0	852.5	756.4	662.8	556.6	480.7	465.5	465.5
27.5°	1421.7	1333.2	1146.0	961.3	822.2	678.0	531.3	437.7	371.9	351.6	349.1
30°	1510.3	1406.6	1153.6	943.6	764.0	571.7	409.8	311.2	253.0	227.7	222.6
32.5°	1649.4	1507.8	1219.4	928.4	698.2	460.4	290.9	197.3	149.3	134.1	131.5
35°	1791.1	1644.4	1242.1	888.0	579.3	336.5	167.0	106.3	81.0	68.3	65.8
37.5°	1973.2	1816.4	1310.4	845.0	460.4	192.3	93.6	58.2	50.6	50.6	50.6
40°	2079.5	1892.3	1371.2	789.3	316.2	98.7	55.7	45.5	45.5	43.0	43.0
42.5°	2216.1	1985.9	1424.3	680.5	167.0	60.7	48.1	43.0	37.9	37.9	37.9
45°	2294.5	2046.6	1406.6	546.4	78.4	55.7	45.5	37.9	35.4	35.4	35.4
47.5°	2390.7	2122.5	1368.6	404.8	68.3	50.6	43.0	35.4	32.9	35.4	35.4
50°	2486.8	2198.4	1272.5	311.2	63.2	48.1	37.9	30.4	30.4	32.9	32.9
52.5°	2534.9	2251.5	1158.6	215.0	63.2	45.5	35.4	30.4	27.8	27.8	27.8
55°	2590.5	2264.2	1062.5	141.7	60.7	43.0	32.9	25.3	25.3	22.8	22.8
57.5°	2620.9	2231.3	991.7	118.9	58.2	40.5	30.4	22.8	20.2	17.7	17.7
60°	2608.2	2183.2	931.0	103.7	53.1	37.9	27.8	20.2	15.2	12.6	12.6
62.5°	2582.9	2142.7	819.7	91.1	50.6	32.9	22.8	17.7	12.6	10.1	10.1
65°	2555.1	2034.0	690.6	78.4	45.5	30.4	20.2	15.2	10.1	7.6	7.6
67.5°	2426.1	1889.8	506.0	70.8	43.0	27.8	17.7	12.6	10.1	7.6	7.6
70°	2256.6	1649.4	326.3	60.7	37.9	25.3	17.7	10.1	7.6	5.1	5.1
72.5°	1920.1	1345.9	164.4	53.1	35.4	25.3	15.2	10.1	7.6	5.1	2.5
75°	1568.5	1004.3	106.3	45.5	32.9	25.3	15.2	10.1	5.1	2.5	2.5
77.5°	1123.2	543.9	81.0	40.5	27.8	25.3	12.6	7.6	5.1	5.1	2.5
80°	468.0	197.3	65.8	32.9	25.3	22.8	12.6	7.6	5.1	5.1	2.5
82.5°	197.3	136.6	58.2	27.8	22.8	22.8	10.1	7.6	5.1	5.1	5.1
85°	154.3	113.8	50.6	25.3	20.2	25.3	10.1	7.6	7.6	7.6	7.6
87.5°	144.2	116.4	45.5	22.8	20.2	17.7	10.1	7.6	12.6	12.6	15.2
90°	161.9	121.4	35.4	20.2	17.7	15.2	7.6	5.1	5.1	0.0	0.0
92.5°	149.3	111.3	25.3	15.2	22.8	10.1	5.1	0.0	0.0	0.0	0.0
95°	129.0	93.6	15.2	10.1	25.3	12.6	2.5	0.0	0.0	0.0	0.0
97.5°	96.1	68.3	10.1	5.1	20.2	15.2	2.5	0.0	0.0	0.0	0.0
100°	68.3	43.0	7.6	5.1	12.6	15.2	2.5	0.0	0.0	0.0	0.0
102.5°	37.9	22.8	5.1	2.5	5.1	5.1	0.0	0.0	0.0	0.0	0.0
105°	17.7	7.6	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.5	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	2.5	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	2.5	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	2.5	0.0	0.0	0.0	0.0	0.0
125°	2.5	2.5	2.5	2.5	2.5	2.5	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	2.5	0.0	0.0	0.0	0.0	0.0
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
140°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
145°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	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	2.5	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	0.0	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)