

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: P691411

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T2-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5439 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

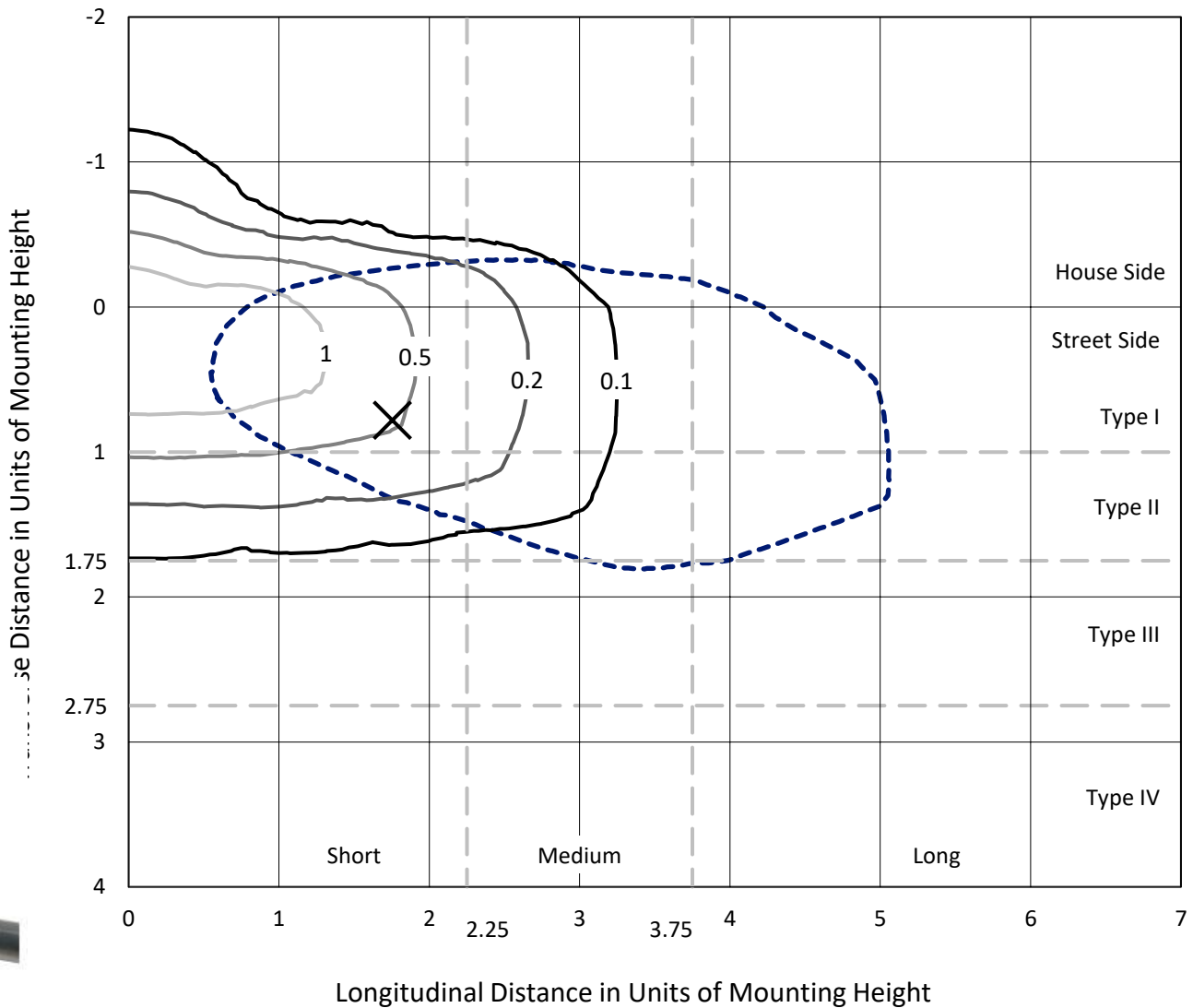
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

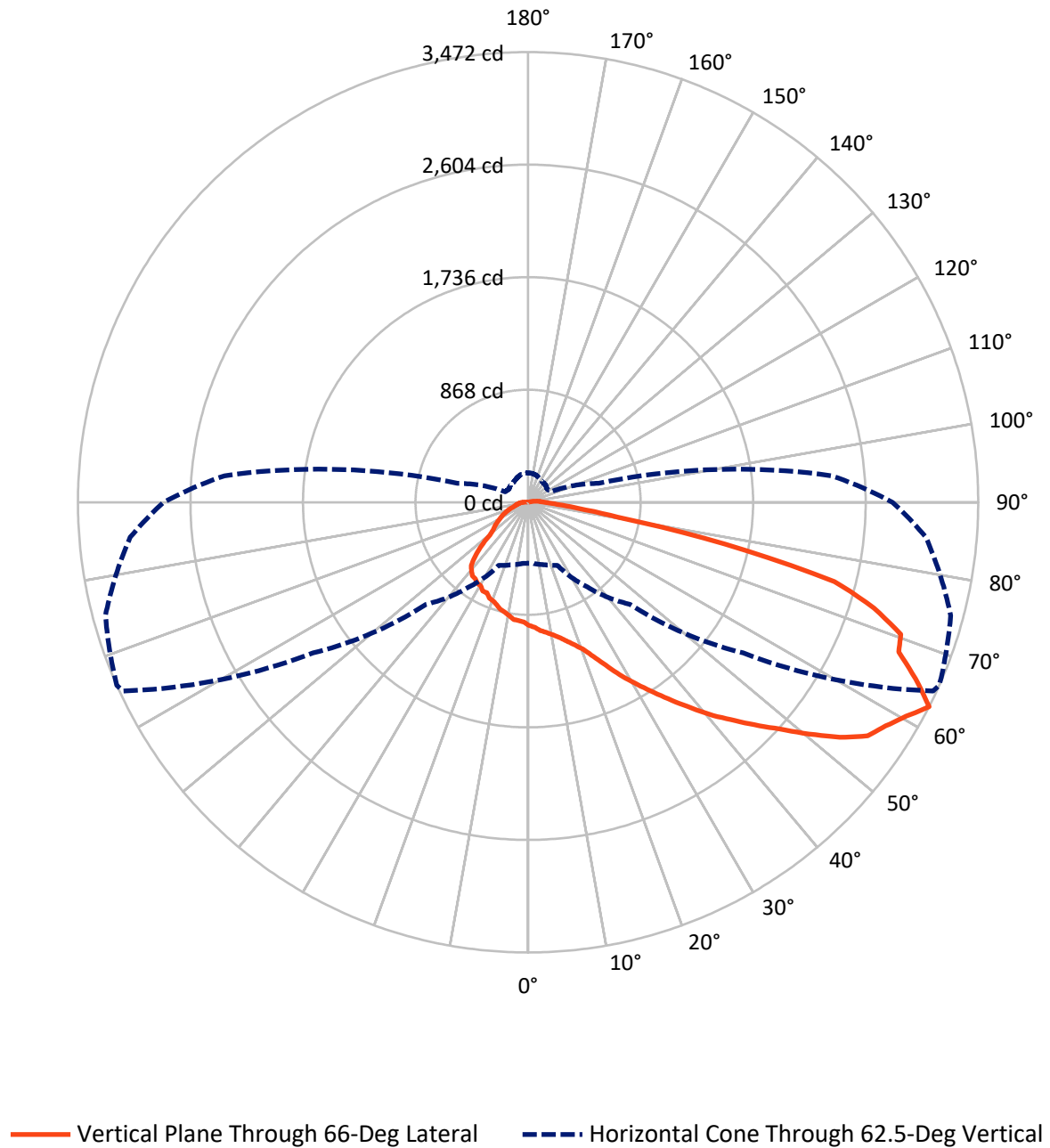
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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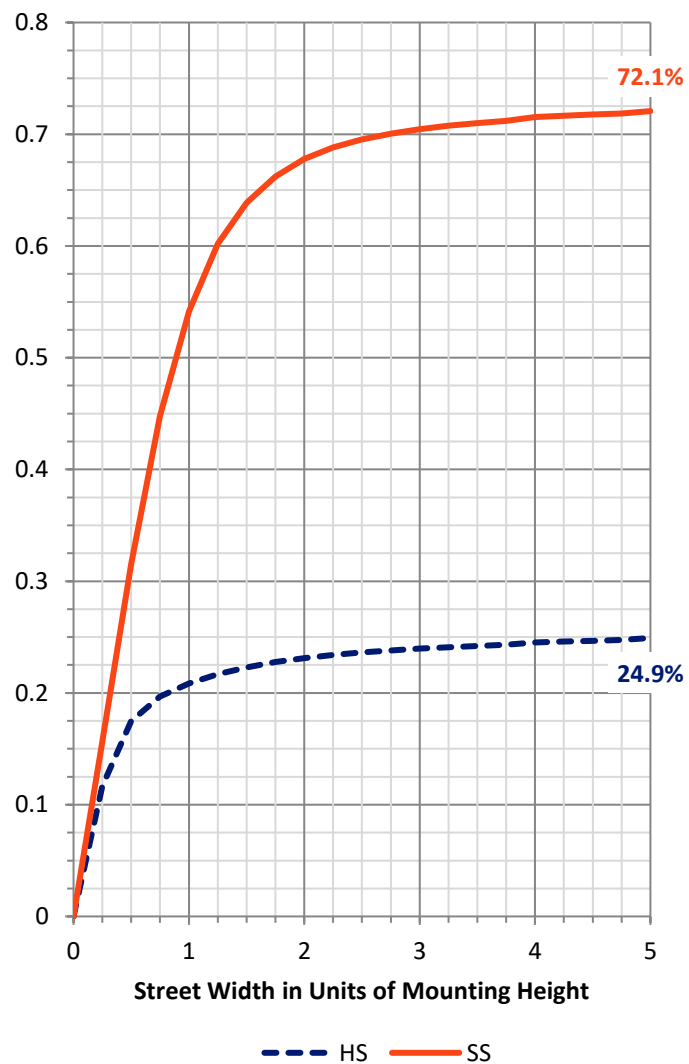
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1415.7	39.1	1454.8
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	3945.5	38.7	3984.2
	% Fixture	72.5	0.7	73.3
Total	Lumens	5361.2	77.8	5439.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	1.7
10°-20°	273.5	5.0
20°-30°	462.8	8.5
30°-40°	677.0	12.4
40°-50°	884.9	16.3
50°-60°	1029.7	18.9
60°-70°	1030.2	18.9
70°-80°	710.8	13.1
80°-90°	200.9	3.7
90°-100°	66.2	1.2
100°-110°	9.1	0.2
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	5361.2	98.6
0°-180°	5439.0	100.0

Coefficient of Utilization



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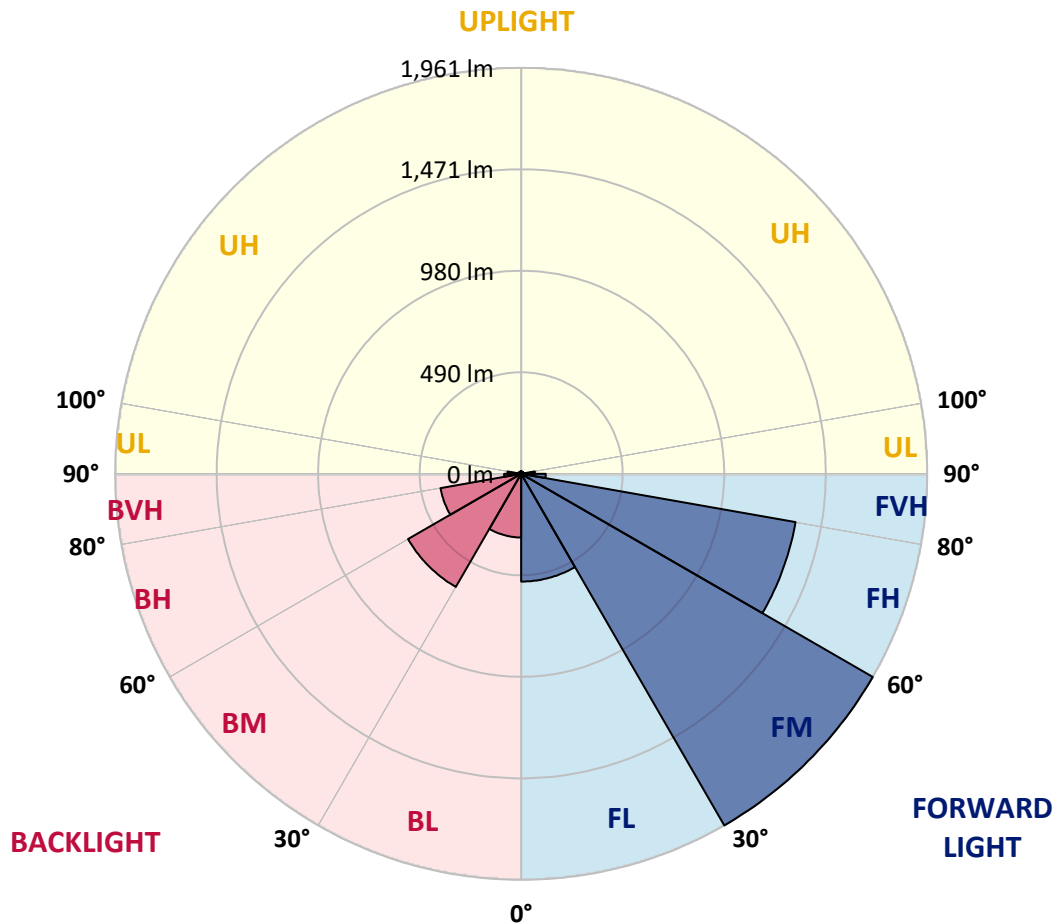
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	520.3	9.6			
FM	(30°-60°)	1960.9	36.1			
FH	(60°-80°)	1345.6	24.7			G1/1800
FVH	(80°-90°)	118.7	2.2			G2/225
BL	(0°-30°)	307.3	5.6	B1/500		
BM	(30°-60°)	630.8	11.6	B1/1000		
BH	(60°-80°)	395.4	7.3	B1/500		G1/500
BVH	(80°-90°)	82.3	1.5			G1/100
UL	(90°-100°)	66.2	1.2		U3/500	
UH	(100°-180°)	11.6	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°	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3
2.5°	999.1	997.3	997.3	988.2	979.2	977.4	972.0	964.7	964.7	959.3	950.3
5°	1058.7	1056.9	1058.7	1046.0	1033.4	1022.6	1004.5	995.5	993.6	981.0	962.9
7.5°	1100.2	1098.4	1096.6	1085.8	1080.4	1069.5	1044.2	1017.1	1013.5	1000.9	977.4
10°	1116.5	1118.3	1127.3	1109.3	1098.4	1089.4	1074.9	1042.4	1038.8	1009.9	973.8
12.5°	1159.9	1161.7	1156.2	1134.6	1131.0	1123.7	1100.2	1073.1	1069.5	1033.4	982.8
15°	1205.0	1205.0	1197.8	1185.2	1176.1	1168.9	1140.0	1111.1	1109.3	1065.9	1006.3
17.5°	1224.9	1228.5	1230.3	1214.1	1210.4	1208.6	1194.2	1158.1	1154.4	1112.9	1038.8
20°	1237.5	1239.4	1241.2	1239.4	1241.2	1239.4	1246.6	1217.7	1208.6	1165.3	1074.9
22.5°	1262.8	1266.5	1279.1	1279.1	1284.5	1297.2	1291.7	1295.4	1291.7	1239.4	1136.4
25°	1275.5	1280.9	1297.2	1317.0	1340.5	1355.0	1374.9	1389.3	1391.1	1344.1	1230.3
27.5°	1255.6	1268.3	1309.8	1340.5	1394.7	1432.7	1479.6	1503.1	1506.7	1461.6	1331.5
30°	1280.9	1280.9	1306.2	1349.6	1416.4	1504.9	1577.2	1613.3	1616.9	1582.6	1432.7
32.5°	1233.9	1244.8	1302.6	1385.7	1481.4	1582.6	1653.1	1723.5	1732.6	1721.7	1577.2
35°	1228.5	1233.9	1270.1	1356.8	1485.1	1654.9	1752.4	1844.6	1862.6	1866.3	1716.3
37.5°	1177.9	1185.2	1252.0	1360.4	1535.6	1705.5	1830.1	1981.9	1998.1	2023.4	1837.3
40°	1114.7	1125.5	1179.7	1300.8	1521.2	1765.1	1913.2	2126.4	2149.9	2180.6	1996.3
42.5°	1031.6	1051.5	1143.6	1273.7	1514.0	1785.0	1992.7	2270.9	2292.6	2325.1	2130.0
45°	961.1	966.6	1040.6	1176.1	1456.1	1812.1	2066.8	2433.5	2448.0	2464.3	2238.4
47.5°	897.9	908.7	972.0	1098.4	1394.7	1806.6	2131.8	2587.1	2612.4	2661.2	2370.3
50°	710.0	735.3	914.2	1031.6	1300.8	1790.4	2186.0	2767.8	2809.3	2827.4	2520.3
52.5°	614.3	621.5	711.8	966.6	1196.0	1736.2	2233.0	2964.7	3011.7	2970.1	2700.9
55°	567.3	574.5	616.1	834.7	1114.7	1626.0	2269.1	3150.8	3179.7	3082.1	2834.6
57.5°	542.0	547.4	569.1	675.7	1015.3	1450.7	2272.7	3242.9	3253.8	3170.6	2903.3
60°	498.6	504.1	542.0	589.0	905.1	1264.6	2209.5	3295.3	3351.3	3279.0	3035.1
62.5°	469.7	473.3	498.6	536.6	798.5	1112.9	2025.2	3445.3	3472.4	3374.8	3080.3
65°	433.6	437.2	460.7	495.0	729.9	1028.0	1945.7	3383.8	3284.5	3351.3	3139.9
67.5°	392.0	397.5	419.1	448.0	616.1	944.9	1716.3	3154.4	3083.9	3232.1	2984.6
70°	354.1	357.7	381.2	397.5	505.9	836.5	1425.4	2975.5	3049.6	3047.8	2843.6
72.5°	312.5	316.2	336.0	350.5	422.8	708.2	1131.0	2769.6	2791.3	2713.6	2516.6
75°	269.2	271.0	289.1	303.5	346.9	567.3	825.6	2290.8	2440.8	2594.3	2177.0
77.5°	216.8	222.2	236.7	243.9	278.2	453.5	538.4	1356.8	1550.1	2281.8	1945.7
80°	162.6	162.6	173.4	177.1	206.0	337.8	339.6	654.0	702.8	1450.7	1445.3
82.5°	103.0	108.4	119.2	117.4	139.1	193.3	215.0	363.1	390.2	574.5	641.4
85°	83.1	84.9	92.1	86.7	92.1	104.8	121.0	229.4	238.5	350.5	348.7
87.5°	68.7	70.5	75.9	72.3	74.1	79.5	93.9	153.6	157.2	225.8	233.1
90°	52.4	54.2	61.4	59.6	57.8	65.0	77.7	117.4	122.9	178.9	191.5
92.5°	34.3	34.3	39.7	39.7	39.7	47.0	68.7	90.3	93.9	162.6	171.6
95°	25.3	25.3	27.1	28.9	27.1	34.3	50.6	81.3	88.5	151.8	148.1
97.5°	16.3	16.3	18.1	19.9	18.1	21.7	28.9	57.8	65.0	117.4	115.6
100°	10.8	10.8	10.8	10.8	10.8	10.8	16.3	37.9	43.4	74.1	72.3
102.5°	7.2	7.2	7.2	7.2	5.4	5.4	7.2	18.1	19.9	39.7	37.9
105°	1.8	1.8	3.6	3.6	3.6	1.8	1.8	7.2	9.0	16.3	16.3
107.5°	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	1.8	1.8
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	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.8	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°	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3
2.5°	946.7	941.3	932.2	923.2	917.8	912.4	903.3	896.1	896.1	905.1	905.1
5°	950.3	939.5	921.4	914.2	905.1	892.5	878.0	867.2	861.8	869.0	870.8
7.5°	959.3	943.1	925.0	908.7	878.0	854.5	841.9	827.4	825.6	832.9	836.5
10°	952.1	935.8	914.2	883.4	850.9	832.9	809.4	791.3	791.3	785.9	789.5
12.5°	959.3	937.6	894.3	861.8	832.9	793.1	764.2	746.1	744.3	749.8	749.8
15°	977.4	944.9	888.9	849.1	802.1	762.4	733.5	713.6	719.0	708.2	710.0
17.5°	999.1	950.3	888.9	820.2	767.8	729.9	690.1	666.6	668.5	670.3	672.1
20°	1026.2	964.7	879.8	798.5	735.3	681.1	635.9	617.9	612.4	616.1	617.9
22.5°	1067.7	997.3	876.2	787.7	690.1	637.7	598.0	561.9	558.3	558.3	558.3
25°	1136.4	1046.0	892.5	751.6	666.6	587.2	542.0	507.7	491.4	493.2	495.0
27.5°	1241.2	1123.7	908.7	753.4	612.4	542.0	486.0	448.0	439.0	440.8	442.6
30°	1351.4	1228.5	950.3	717.2	581.7	473.3	415.5	388.4	377.6	372.2	374.0
32.5°	1436.3	1320.7	1008.1	706.4	525.7	399.3	363.1	341.5	327.0	321.6	321.6
35°	1571.8	1411.0	1055.1	679.3	467.9	352.3	323.4	299.9	292.7	289.1	289.1
37.5°	1687.4	1510.3	1103.9	668.5	397.5	316.2	280.0	265.6	265.6	262.0	260.2
40°	1812.1	1615.1	1131.0	635.9	343.3	278.2	242.1	240.3	245.7	245.7	245.7
42.5°	1962.0	1723.5	1159.9	598.0	301.7	234.9	215.0	229.4	242.1	245.7	245.7
45°	2074.0	1792.2	1172.5	516.7	260.2	204.1	211.4	225.8	242.1	247.5	245.7
47.5°	2169.8	1891.5	1154.4	417.3	224.0	198.7	207.8	220.4	240.3	247.5	247.5
50°	2265.5	1976.5	1141.8	301.7	209.6	198.7	207.8	213.2	234.9	243.9	243.9
52.5°	2406.4	2043.3	1091.2	252.9	198.7	200.5	211.4	211.4	231.2	242.1	247.5
55°	2587.1	2196.9	995.5	236.7	195.1	198.7	213.2	213.2	227.6	238.5	242.1
57.5°	2661.2	2251.1	831.1	222.2	191.5	198.7	207.8	211.4	229.4	236.7	234.9
60°	2758.7	2339.6	681.1	207.8	184.3	195.1	200.5	213.2	227.6	229.4	227.6
62.5°	2811.1	2350.4	563.7	193.3	178.9	189.7	191.5	206.0	220.4	225.8	227.6
65°	2840.0	2339.6	417.3	178.9	173.4	182.5	184.3	196.9	211.4	215.0	216.8
67.5°	2735.2	2265.5	289.1	164.4	168.0	173.4	177.1	189.7	200.5	211.4	215.0
70°	2547.4	2050.5	206.0	146.3	159.0	164.4	171.6	184.3	195.1	209.6	213.2
72.5°	2339.6	1651.3	151.8	124.7	146.3	153.6	166.2	175.2	191.5	209.6	215.0
75°	2144.5	1448.9	121.0	106.6	124.7	140.9	157.2	169.8	193.3	256.5	265.6
77.5°	1521.2	979.2	108.4	93.9	106.6	122.9	144.5	166.2	269.2	305.3	307.1
80°	1103.9	576.3	97.6	83.1	92.1	99.4	131.9	204.1	298.1	281.8	281.8
82.5°	552.8	308.9	92.1	74.1	79.5	81.3	117.4	260.2	240.3	251.1	252.9
85°	267.4	150.0	75.9	65.0	68.7	66.8	110.2	247.5	227.6	229.4	225.8
87.5°	168.0	92.1	59.6	54.2	56.0	54.2	104.8	236.7	238.5	195.1	198.7
90°	151.8	108.4	47.0	43.4	37.9	45.2	93.9	220.4	233.1	140.9	117.4
92.5°	146.3	117.4	34.3	30.7	27.1	36.1	70.5	178.9	142.7	59.6	36.1
95°	130.1	103.0	28.9	21.7	25.3	30.7	45.2	119.2	95.8	0.0	0.0
97.5°	97.6	75.9	23.5	14.5	81.3	27.1	25.3	77.7	27.1	0.0	0.0
100°	61.4	47.0	18.1	10.8	92.1	18.1	16.3	45.2	0.0	0.0	0.0
102.5°	34.3	25.3	9.0	7.2	39.7	9.0	10.8	10.8	0.0	0.0	0.0
105°	14.5	12.6	3.6	3.6	3.6	1.8	5.4	0.0	0.0	0.0	0.0
107.5°	3.6	5.4	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
110°	1.8	1.8	1.8	1.8	1.8	1.8	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°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
115°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
117.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
120°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
122.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
125°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
127.5°	1.8	1.8	1.8	3.6	1.8	1.8	0.0	0.0	0.0	0.0	0.0
130°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
152.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
155°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
160°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
162.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
165°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
167.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.8	1.8	1.8	1.8	1.8	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)