

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: P691611

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691611
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-T3-7040
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: 8049.9 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

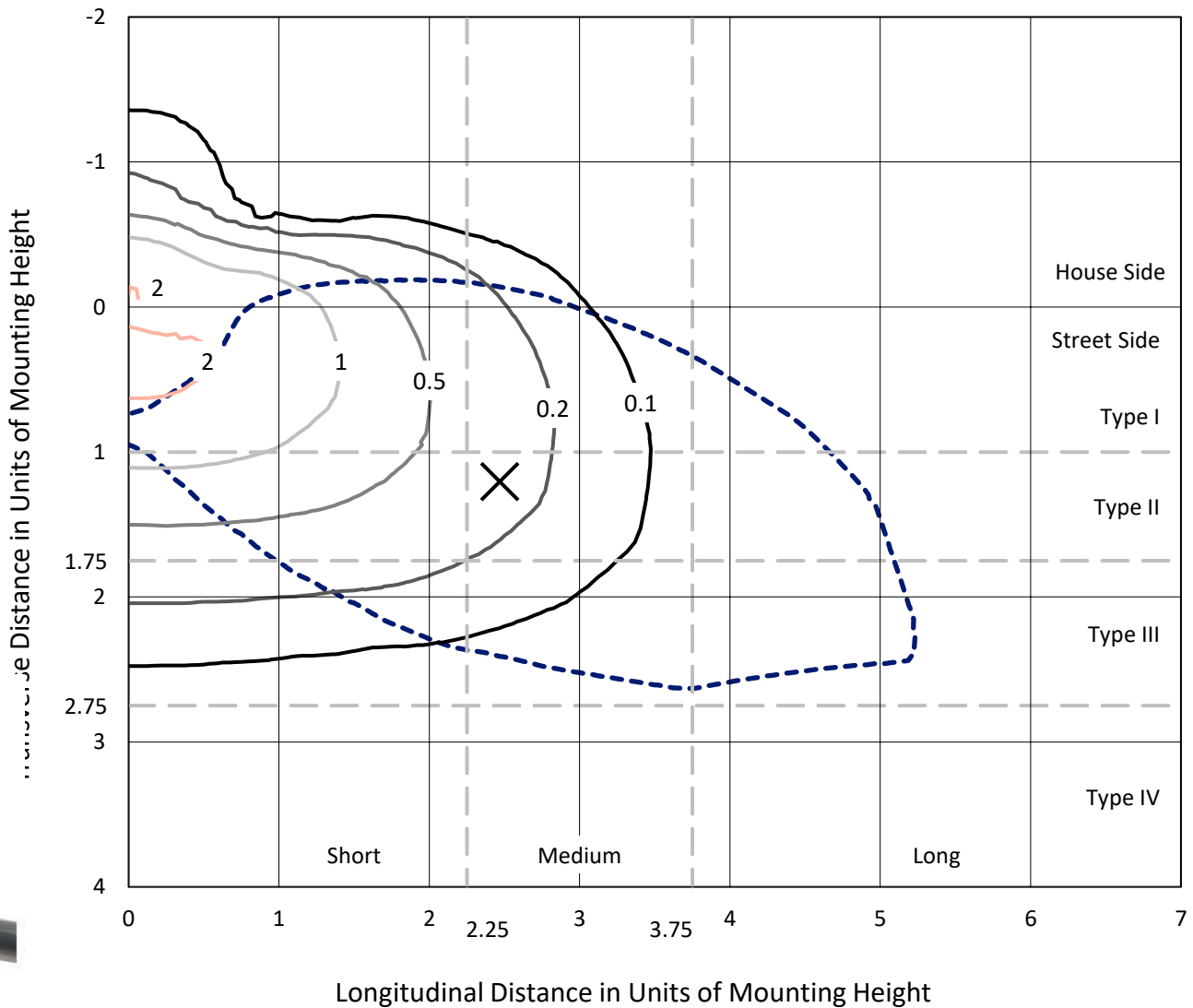
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

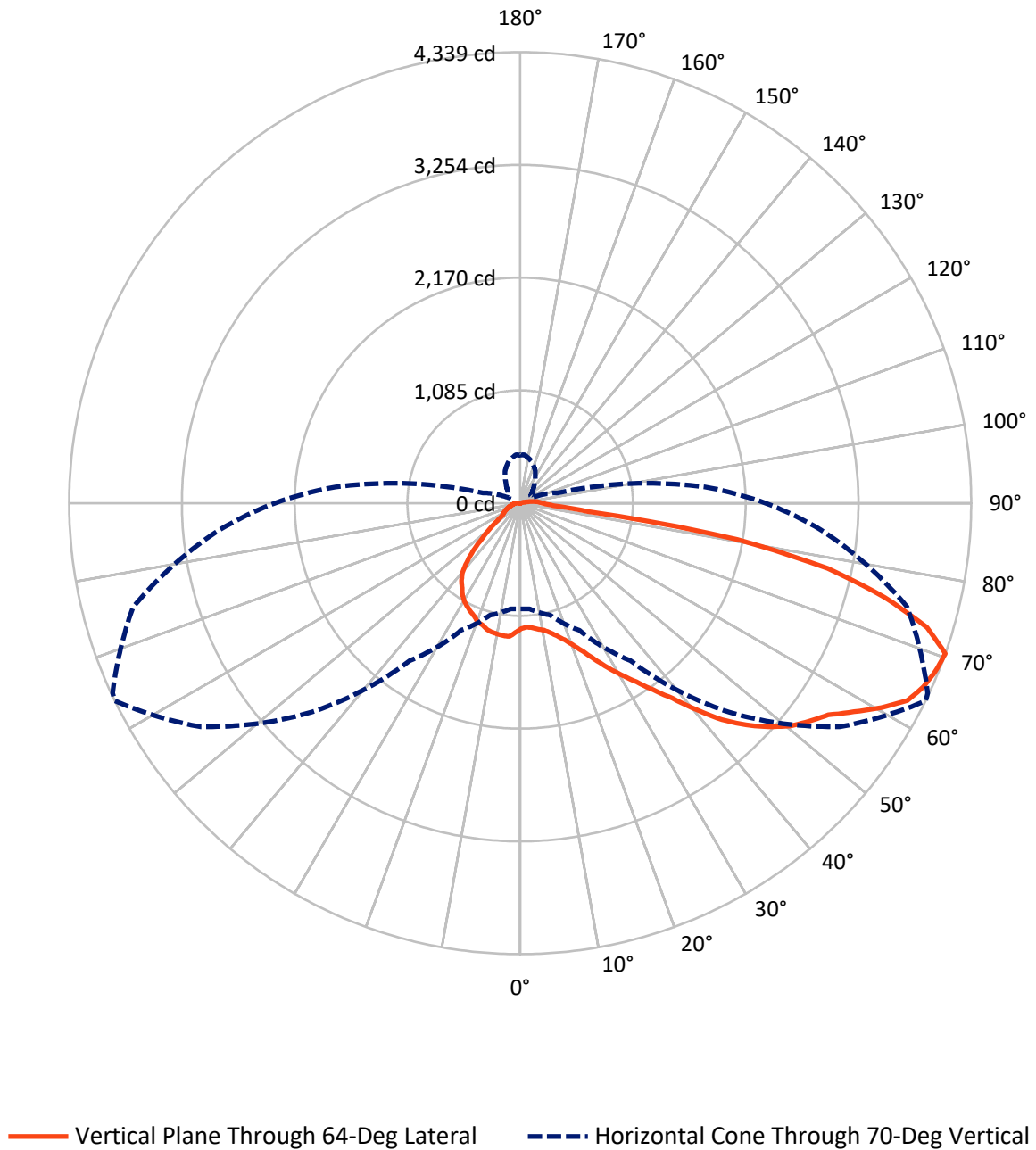
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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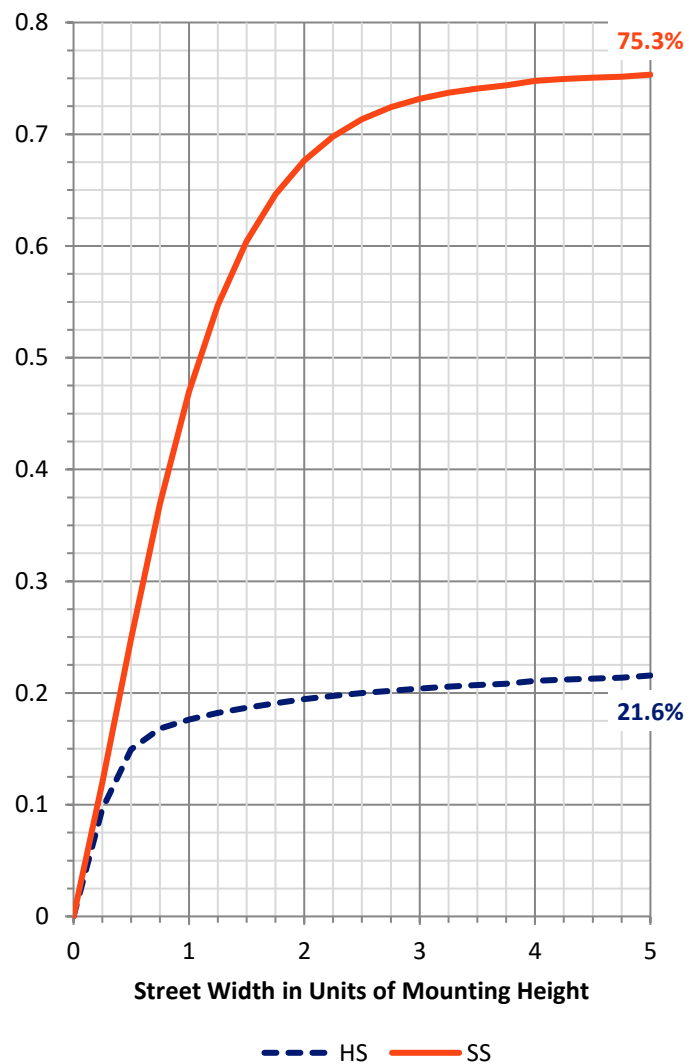
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1835.2	49.7	1884.8
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	6100.9	64.2	6165.1
	% Fixture	75.8	0.8	76.6
Total	Lumens	7936.1	113.9	8049.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	1.5
10°-20°	374.8	4.7
20°-30°	650.2	8.1
30°-40°	943.5	11.7
40°-50°	1266.2	15.7
50°-60°	1531.0	19.0
60°-70°	1648.0	20.5
70°-80°	1131.9	14.1
80°-90°	270.1	3.4
90°-100°	97.7	1.2
100°-110°	12.3	0.2
110°-120°	0.9	0.0
120°-130°	0.8	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	7936.1	98.6
0°-180°	8049.9	100.0

Coefficient of Utilization



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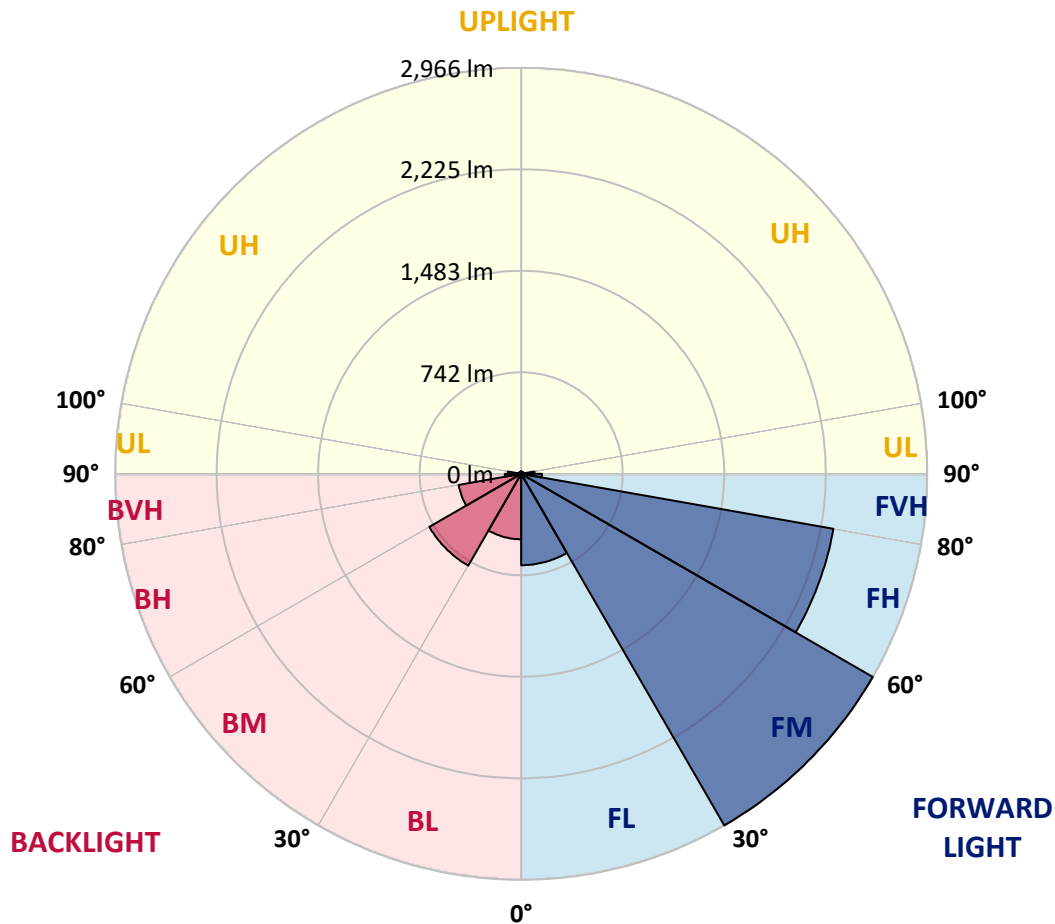
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	667.4	8.3			
FM	(30°-60°)	2966.2	36.8			
FH	(60°-80°)	2316.2	28.8			G2/5000
FVH	(80°-90°)	151.1	1.9			G2/225
BL	(0°-30°)	477.9	5.9	B1/500		
BM	(30°-60°)	774.5	9.6	B1/1000		
BH	(60°-80°)	463.7	5.8	B1/500		G1/500
BVH	(80°-90°)	119.0	1.5			G2/225
UL	(90°-100°)	97.7	1.2		U3/500	
UH	(100°-180°)	16.1	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°	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1
2.5°	1197.6	1197.6	1194.9	1194.9	1197.6	1200.2	1197.6	1194.9	1197.6	1200.2	1208.1
5°	1245.1	1242.4	1239.8	1229.2	1218.7	1210.8	1205.5	1202.8	1205.5	1216.0	1234.5
7.5°	1276.7	1274.1	1274.1	1271.4	1260.9	1239.8	1226.6	1224.0	1224.0	1226.6	1250.3
10°	1342.7	1337.4	1326.8	1308.4	1297.8	1271.4	1247.7	1242.4	1242.4	1247.7	1276.7
12.5°	1413.9	1403.3	1406.0	1384.9	1353.2	1324.2	1289.9	1276.7	1271.4	1276.7	1292.5
15°	1511.5	1503.6	1482.5	1458.7	1427.1	1387.5	1345.3	1324.2	1321.6	1329.5	1316.3
17.5°	1582.7	1572.1	1574.8	1540.5	1514.1	1461.4	1421.8	1382.2	1382.2	1392.8	1358.5
20°	1656.6	1651.3	1659.2	1651.3	1611.7	1564.2	1506.2	1458.7	1450.8	1456.1	1406.0
22.5°	1751.5	1743.6	1743.6	1746.2	1714.6	1667.1	1598.5	1551.0	1548.4	1527.3	1458.7
25°	1849.1	1841.2	1838.6	1843.8	1838.6	1783.2	1712.0	1664.5	1656.6	1627.5	1529.9
27.5°	1941.4	1941.4	1944.1	1949.4	1957.3	1912.4	1843.8	1791.1	1791.1	1759.4	1624.9
30°	2010.0	2010.0	2033.8	2044.3	2052.2	2041.7	1967.8	1917.7	1923.0	1880.8	1733.1
32.5°	2073.3	2076.0	2102.3	2128.7	2136.6	2144.6	2081.2	2049.6	2049.6	2010.0	1849.1
35°	2136.6	2136.6	2173.6	2226.3	2252.7	2244.8	2215.8	2205.2	2207.9	2199.9	2020.6
37.5°	2186.8	2192.0	2247.4	2313.4	2350.3	2363.5	2347.7	2382.0	2413.6	2437.4	2244.8
40°	2236.9	2236.9	2289.6	2360.9	2426.8	2463.7	2484.8	2614.1	2637.8	2645.7	2371.4
42.5°	2184.1	2197.3	2308.1	2413.6	2498.0	2561.3	2656.3	2848.9	2877.9	2788.2	2542.9
45°	2134.0	2149.8	2260.6	2437.4	2558.7	2685.3	2848.9	3044.1	3067.8	2933.3	2645.7
47.5°	2083.9	2102.3	2223.7	2416.3	2614.1	2822.5	2999.2	3215.5	3226.1	3052.0	2761.8
50°	2031.1	2049.6	2178.8	2392.5	2648.4	2962.3	3149.6	3371.1	3371.1	3157.5	2830.4
52.5°	1965.2	1986.3	2118.2	2355.6	2674.8	3057.2	3286.7	3484.6	3463.5	3284.1	2906.9
55°	1880.8	1909.8	2049.6	2302.8	2685.3	3107.4	3373.8	3595.4	3590.1	3439.7	3004.5
57.5°	1791.1	1814.8	1965.2	2234.2	2674.8	3141.7	3466.1	3787.9	3795.8	3574.3	3081.0
60°	1690.8	1706.7	1851.8	2139.3	2606.2	3202.3	3674.5	3993.7	4004.2	3698.2	3110.0
62.5°	1559.0	1569.5	1706.7	2010.0	2513.8	3241.9	3824.9	4181.0	4175.7	3809.0	3115.3
65°	1392.8	1406.0	1535.2	1838.6	2376.7	3215.5	3861.8	4262.7	4268.0	3861.8	3107.4
67.5°	1231.9	1239.8	1347.9	1611.7	2155.1	3088.9	3824.9	4310.2	4334.0	3906.6	3030.9
70°	1018.2	1020.8	1115.8	1350.6	1849.1	2846.2	3751.0	4339.2	4326.0	3853.9	2899.0
72.5°	783.4	786.1	857.3	1034.0	1437.6	2424.2	3489.8	4093.9	4070.2	3563.7	2614.1
75°	556.6	567.1	609.3	725.4	962.8	1770.0	2986.0	3624.4	3640.2	3170.7	2178.8
77.5°	316.5	327.1	361.4	453.7	553.9	991.8	2255.3	3023.0	3033.5	2666.8	1672.4
80°	137.2	139.8	153.0	216.3	295.4	474.8	1155.4	2118.2	2271.2	1812.2	954.9
82.5°	116.1	116.1	121.3	126.6	129.3	216.3	448.4	656.8	677.9	535.5	311.3
85°	100.2	100.2	105.5	110.8	113.4	147.7	271.7	329.7	342.9	306.0	218.9
87.5°	79.1	79.1	87.0	92.3	92.3	121.3	203.1	245.3	253.2	245.3	195.2
90°	71.2	71.2	68.6	68.6	71.2	87.0	158.3	205.8	213.7	261.1	224.2
92.5°	60.7	63.3	63.3	63.3	55.4	63.3	113.4	182.0	197.8	258.5	203.1
95°	60.7	58.0	58.0	55.4	52.8	55.4	84.4	158.3	176.7	224.2	171.5
97.5°	42.2	39.6	42.2	44.8	47.5	50.1	71.2	116.1	129.3	174.1	126.6
100°	26.4	26.4	26.4	26.4	31.7	34.3	58.0	71.2	79.1	110.8	84.4
102.5°	15.8	13.2	13.2	13.2	15.8	21.1	29.0	39.6	42.2	63.3	50.1
105°	5.3	5.3	5.3	5.3	7.9	10.6	10.6	15.8	15.8	21.1	21.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6

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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	2.6	2.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6	2.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6	2.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
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°	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1	1208.1
2.5°	1213.4	1218.7	1229.2	1242.4	1258.2	1271.4	1282.0	1284.6	1289.9	1289.9	1295.2
5°	1239.8	1250.3	1266.2	1284.6	1292.5	1287.3	1287.3	1289.9	1295.2	1308.4	1313.6
7.5°	1268.8	1276.7	1276.7	1284.6	1300.4	1295.2	1292.5	1289.9	1289.9	1284.6	1292.5
10°	1279.3	1268.8	1282.0	1279.3	1274.1	1284.6	1287.3	1271.4	1274.1	1274.1	1276.7
12.5°	1282.0	1282.0	1271.4	1271.4	1271.4	1247.7	1242.4	1255.6	1242.4	1247.7	1245.1
15°	1311.0	1289.9	1276.7	1260.9	1239.8	1231.9	1213.4	1192.3	1192.3	1197.6	1197.6
17.5°	1332.1	1311.0	1271.4	1229.2	1221.3	1184.4	1171.2	1165.9	1163.3	1165.9	1171.2
20°	1363.8	1332.1	1266.2	1224.0	1155.4	1142.2	1118.4	1115.8	1110.5	1092.1	1086.8
22.5°	1406.0	1355.8	1263.5	1179.1	1123.7	1078.9	1036.7	1010.3	1007.7	994.5	986.5
25°	1453.4	1403.3	1274.1	1158.0	1065.7	999.7	965.4	904.8	875.8	886.3	881.0
27.5°	1551.0	1458.7	1292.5	1129.0	1018.2	915.3	836.2	799.3	762.3	762.3	767.6
30°	1640.7	1529.9	1292.5	1102.6	939.1	815.1	712.2	654.2	638.4	627.8	622.5
32.5°	1775.3	1619.6	1347.9	1065.7	865.2	685.8	569.8	501.2	503.8	514.4	511.7
35°	1930.9	1762.1	1363.8	1012.9	757.1	556.6	440.5	403.6	424.7	430.0	430.0
37.5°	2118.2	1936.2	1435.0	970.7	643.6	411.5	348.2	332.4	350.8	348.2	358.7
40°	2221.1	2020.6	1495.6	918.0	493.3	303.4	269.1	258.5	287.5	311.3	316.5
42.5°	2366.1	2120.8	1553.7	817.7	335.0	221.6	205.8	240.0	282.2	308.6	311.3
45°	2445.3	2178.8	1529.9	693.7	213.7	179.4	200.5	242.7	287.5	313.9	316.5
47.5°	2540.2	2255.3	1487.7	540.8	171.5	176.7	203.1	248.0	295.4	319.2	319.2
50°	2635.2	2331.8	1384.9	424.7	160.9	174.1	208.4	250.6	292.8	308.6	308.6
52.5°	2690.6	2397.8	1263.5	308.6	158.3	174.1	211.0	253.2	290.2	298.1	298.1
55°	2740.7	2403.1	1158.0	229.5	155.6	176.7	213.7	258.5	292.8	300.7	298.1
57.5°	2769.7	2368.8	1084.1	197.8	153.0	176.7	216.3	263.8	313.9	332.4	327.1
60°	2753.9	2316.0	1028.8	184.6	150.4	176.7	218.9	279.6	398.3	430.0	419.4
62.5°	2727.5	2279.1	912.7	168.8	145.1	176.7	221.6	316.5	443.2	459.0	445.8
65°	2693.2	2170.9	780.8	153.0	139.8	174.1	224.2	342.9	422.1	422.1	419.4
67.5°	2550.8	2025.9	583.0	137.2	131.9	174.1	229.5	337.6	406.2	440.5	440.5
70°	2360.9	1783.2	385.1	121.3	124.0	168.8	240.0	342.9	419.4	466.9	461.6
72.5°	1999.5	1479.8	213.7	105.5	113.4	166.2	240.0	364.0	453.7	506.5	498.5
75°	1632.8	1094.7	153.0	95.0	102.9	160.9	242.7	377.2	485.4	540.8	527.6
77.5°	1150.1	627.8	121.3	81.8	92.3	153.0	240.0	371.9	501.2	551.3	535.5
80°	485.4	226.9	100.2	73.9	79.1	137.2	221.6	356.1	501.2	583.0	575.0
82.5°	218.9	160.9	87.0	65.9	73.9	113.4	205.8	342.9	485.4	585.6	633.1
85°	171.5	131.9	73.9	58.0	65.9	108.2	184.6	327.1	464.3	540.8	593.5
87.5°	163.5	131.9	65.9	52.8	60.7	92.3	142.4	303.4	416.8	498.5	540.8
90°	176.7	137.2	52.8	44.8	55.4	81.8	116.1	255.9	361.4	437.9	437.9
92.5°	163.5	126.6	39.6	34.3	58.0	65.9	110.8	158.3	261.1	218.9	271.7
95°	137.2	105.5	26.4	23.7	55.4	55.4	60.7	73.9	182.0	5.3	0.0
97.5°	100.2	76.5	15.8	13.2	42.2	44.8	29.0	34.3	73.9	0.0	0.0
100°	73.9	50.1	10.6	10.6	26.4	36.9	18.5	18.5	0.0	0.0	0.0
102.5°	39.6	26.4	7.9	5.3	13.2	21.1	7.9	5.3	0.0	0.0	0.0
105°	21.1	10.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
107.5°	5.3	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.6	2.6	2.6	2.6	2.6	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°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
122.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
130°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
132.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
135°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.6	2.6	2.6	2.6	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)