

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: P691635

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7040-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T5R-7040-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5397 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
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



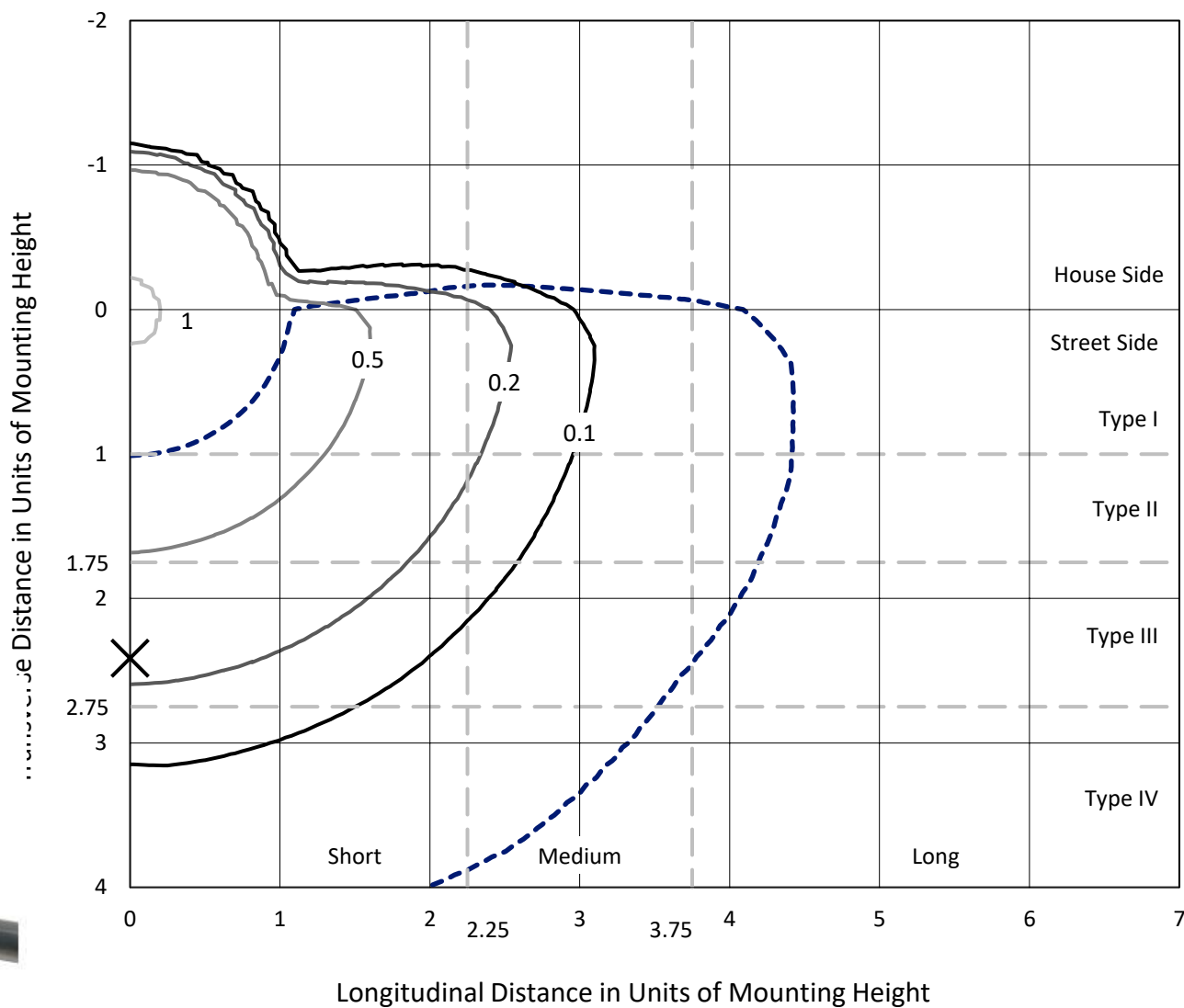
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

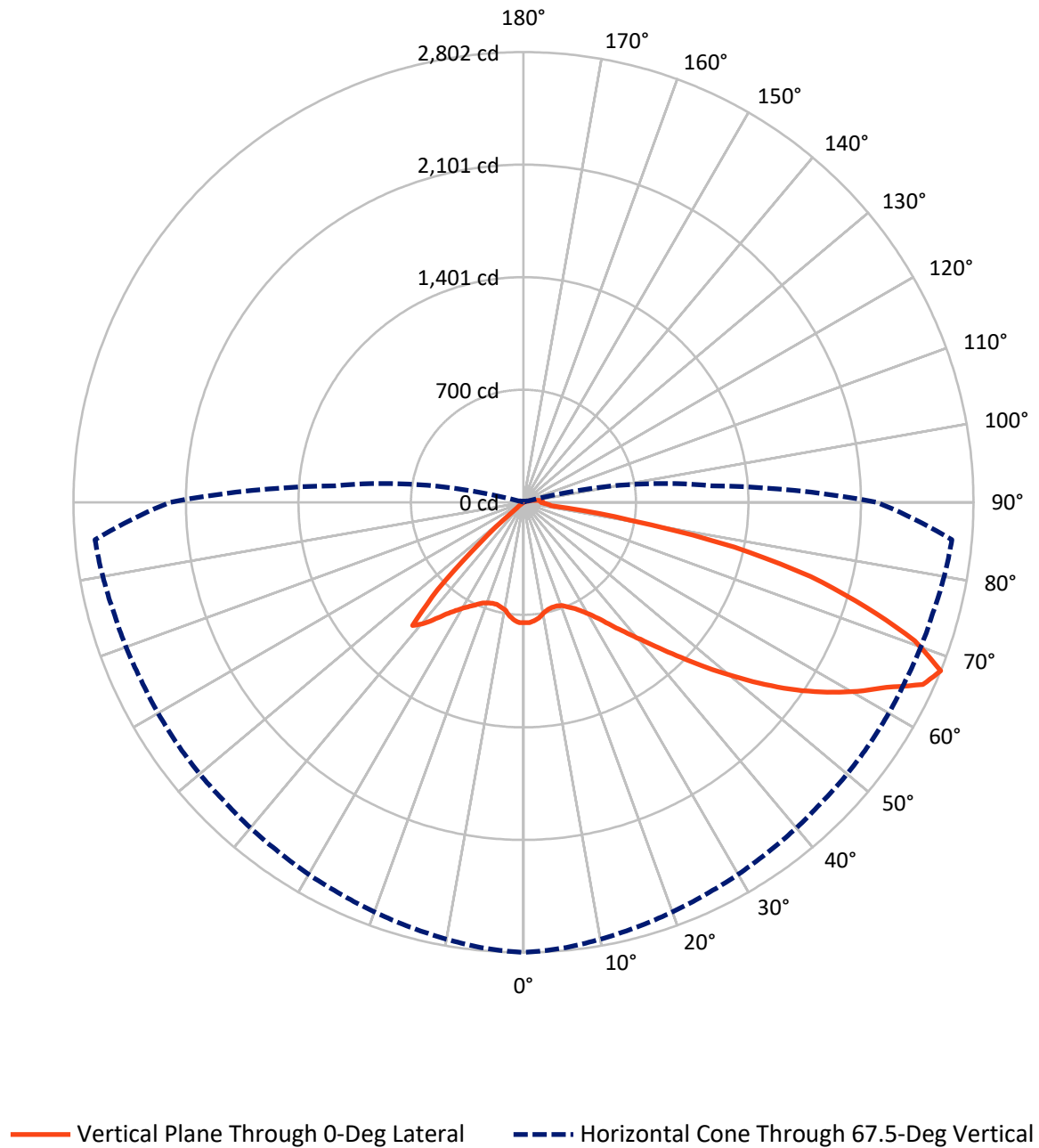


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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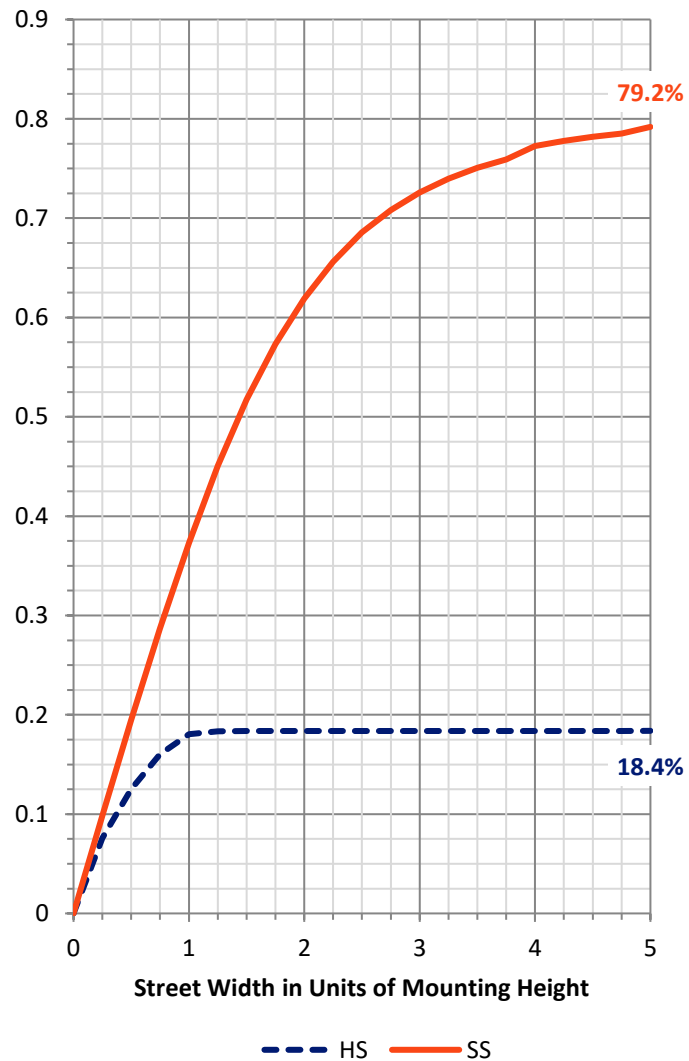
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	998.2	4.0	1002.2
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	4319.8	75.0	4394.8
	% Fixture	80.0	1.4	81.4
Total	Lumens	5318.0	79.0	5397.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	1.3
10°-20°	186.4	3.5
20°-30°	328.4	6.1
30°-40°	561.4	10.4
40°-50°	771.5	14.3
50°-60°	953.5	17.7
60°-70°	1332.5	24.7
70°-80°	973.3	18.0
80°-90°	142.9	2.6
90°-100°	63.0	1.2
100°-110°	14.4	0.3
110°-120°	0.9	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.2	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	5318.0	98.5
0°-180°	5397.0	100.0

Coefficient of Utilization



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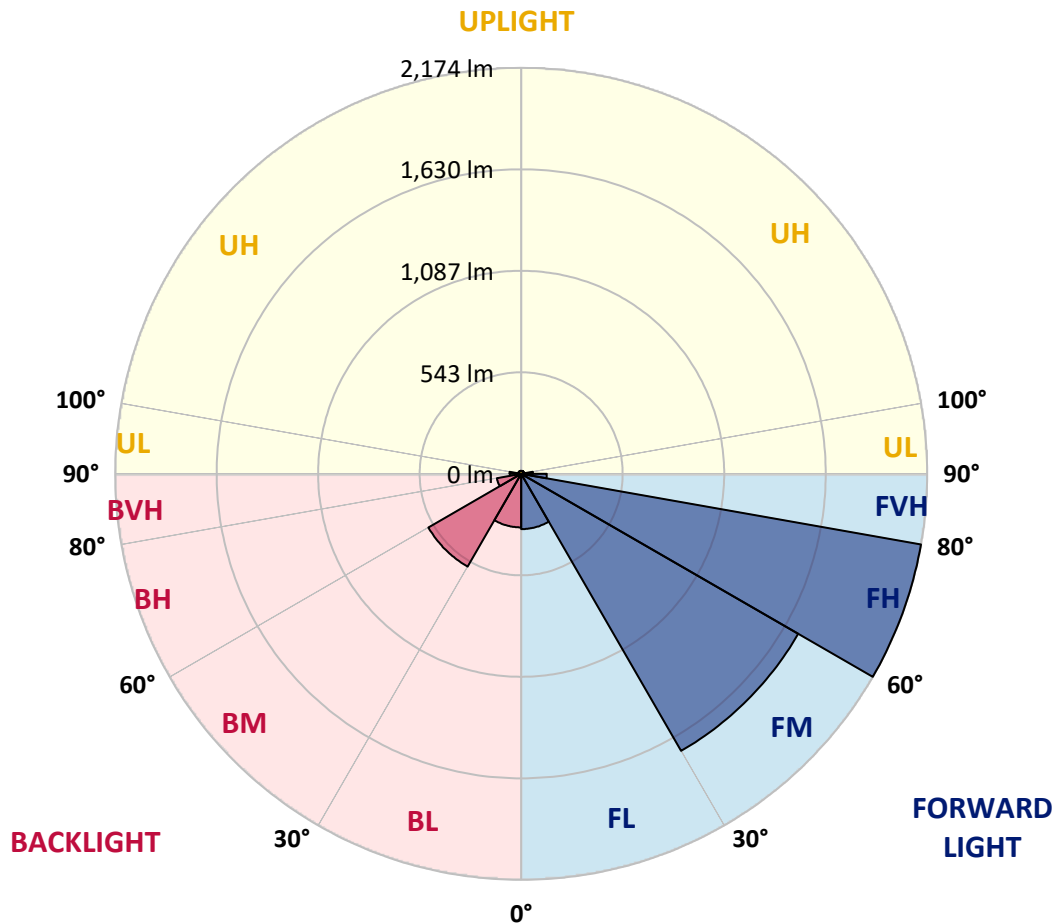
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7040-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.0	5.5			
FM	(30°-60°)	1712.7	31.7			
FH	(60°-80°)	2173.7	40.3			G2/5000
FVH	(80°-90°)	137.4	2.5			G2/225
BL	(0°-30°)	287.0	5.3	B1/500		
BM	(30°-60°)	573.6	10.6	B1/1000		
BH	(60°-80°)	132.1	2.4	B1/500		G1/500
BVH	(80°-90°)	5.5	0.1			G0/10
UL	(90°-100°)	63.0	1.2		U3/500	
UH	(100°-180°)	16.0	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3
2.5°	749.3	749.3	749.3	749.3	751.9	749.3	746.6	741.3	741.3	741.3	741.3
5°	738.7	738.7	741.3	741.3	738.7	736.1	730.8	730.8	728.2	728.2	728.2
7.5°	722.9	722.9	722.9	725.5	720.2	712.3	709.7	707.0	704.4	701.8	699.1
10°	699.1	699.1	699.1	696.5	691.2	683.3	678.0	672.8	672.8	670.1	667.5
12.5°	683.3	683.3	683.3	680.7	672.8	667.5	659.6	654.3	651.6	651.6	649.0
15°	678.0	678.0	678.0	675.4	667.5	662.2	654.3	649.0	643.7	641.1	638.5
17.5°	678.0	678.0	678.0	672.8	670.1	662.2	654.3	649.0	646.4	643.7	641.1
20°	685.9	688.6	685.9	683.3	675.4	670.1	662.2	654.3	651.6	651.6	649.0
22.5°	707.0	704.4	704.4	701.8	693.9	685.9	680.7	675.4	670.1	670.1	667.5
25°	730.8	733.4	733.4	728.2	722.9	715.0	707.0	699.1	696.5	693.9	691.2
27.5°	765.1	765.1	767.7	762.5	754.5	749.3	741.3	736.1	730.8	725.5	722.9
30°	807.3	809.9	809.9	804.7	796.7	786.2	780.9	773.0	765.1	765.1	757.2
32.5°	862.7	868.0	865.3	860.1	852.2	841.6	836.3	828.4	823.1	815.2	809.9
35°	939.2	941.9	939.2	933.9	920.7	910.2	904.9	899.6	894.4	883.8	873.3
37.5°	1023.6	1026.3	1028.9	1023.6	1007.8	992.0	986.7	978.8	976.1	963.0	957.7
40°	1121.3	1126.5	1123.9	1116.0	1102.8	1087.0	1084.3	1076.4	1068.5	1060.6	1047.4
42.5°	1240.0	1240.0	1237.3	1232.1	1221.5	1203.0	1197.8	1189.8	1184.6	1168.7	1147.6
45°	1377.2	1379.8	1371.9	1364.0	1361.3	1345.5	1332.3	1324.4	1308.6	1290.1	1266.4
47.5°	1538.1	1535.5	1524.9	1517.0	1514.3	1501.2	1490.6	1474.8	1453.7	1432.6	1387.7
50°	1704.3	1704.3	1685.8	1677.9	1683.2	1664.7	1651.5	1633.1	1612.0	1590.9	1524.9
52.5°	1883.7	1875.8	1857.3	1860.0	1852.0	1833.6	1817.7	1804.6	1783.4	1765.0	1659.5
55°	2063.1	2052.5	2023.5	2026.2	2013.0	1991.9	1981.3	1965.5	1960.2	1939.1	1788.7
57.5°	2229.3	2216.1	2184.5	2181.8	2171.3	2147.5	2142.2	2123.8	2110.6	2100.0	1886.3
60°	2390.2	2377.1	2348.0	2337.5	2316.4	2292.6	2295.3	2284.7	2276.8	2266.2	1994.5
62.5°	2535.3	2519.5	2493.1	2472.0	2443.0	2421.9	2424.5	2419.3	2424.5	2421.9	2086.8
65°	2733.2	2717.4	2677.8	2640.9	2598.7	2567.0	2564.4	2572.3	2627.7	2633.0	2229.3
67.5°	2801.8	2786.0	2735.9	2691.0	2656.7	2633.0	2627.7	2625.0	2640.9	2677.8	2200.3
70°	2585.5	2574.9	2527.4	2495.8	2461.5	2445.6	2429.8	2437.7	2453.6	2450.9	2018.3
72.5°	2231.9	2290.0	2229.3	2200.3	2192.4	2150.2	2160.7	2152.8	2163.4	2160.7	1794.0
75°	1846.8	1830.9	1817.7	1867.9	1830.9	1799.3	1817.7	1836.2	1854.7	1833.6	1572.4
77.5°	1342.9	1353.4	1348.1	1366.6	1400.9	1385.1	1374.5	1419.4	1427.3	1356.1	1221.5
80°	675.4	717.6	730.8	762.5	780.9	746.6	717.6	780.9	770.4	688.6	620.0
82.5°	176.8	179.4	205.8	242.7	248.0	242.7	248.0	242.7	211.1	134.6	113.4
85°	147.7	147.7	182.0	221.6	229.5	219.0	219.0	205.8	163.6	84.4	68.6
87.5°	121.4	126.6	163.6	200.5	205.8	195.2	192.6	176.8	142.5	73.9	58.0
90°	108.2	113.4	147.7	179.4	182.0	171.5	168.8	158.3	129.3	73.9	58.0
92.5°	118.7	121.4	145.1	163.6	163.6	155.7	153.0	145.1	126.6	92.3	71.2
95°	105.5	108.2	118.7	126.6	124.0	116.1	121.4	113.4	105.5	87.1	66.0
97.5°	87.1	89.7	92.3	92.3	89.7	84.4	89.7	87.1	81.8	71.2	52.8
100°	66.0	66.0	66.0	68.6	66.0	63.3	66.0	60.7	58.0	50.1	36.9
102.5°	44.9	44.9	44.9	44.9	44.9	44.9	44.9	39.6	36.9	31.7	21.1
105°	26.4	26.4	23.7	26.4	26.4	23.7	23.7	21.1	15.8	13.2	7.9
107.5°	10.6	10.6	7.9	7.9	7.9	7.9	5.3	2.6	2.6	2.6	2.6
110°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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	2.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	2.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	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	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	0.0
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	2.6	2.6	2.6	2.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0
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	0.0	2.6	2.6	2.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3	749.3
2.5°	741.3	741.3	741.3	741.3	741.3	741.3	744.0	746.6	749.3	749.3
5°	728.2	728.2	728.2	725.5	728.2	730.8	733.4	733.4	736.1	736.1
7.5°	701.8	699.1	699.1	699.1	701.8	707.0	707.0	709.7	712.3	712.3
10°	667.5	667.5	667.5	667.5	670.1	675.4	675.4	680.7	680.7	680.7
12.5°	649.0	649.0	646.4	643.7	649.0	649.0	656.9	659.6	662.2	667.5
15°	638.5	635.8	638.5	638.5	641.1	643.7	646.4	651.6	654.3	656.9
17.5°	638.5	638.5	638.5	641.1	643.7	643.7	646.4	651.6	654.3	656.9
20°	649.0	649.0	646.4	646.4	649.0	649.0	654.3	659.6	662.2	664.8
22.5°	664.8	662.2	662.2	659.6	662.2	664.8	670.1	675.4	675.4	675.4
25°	685.9	683.3	683.3	683.3	688.6	688.6	693.9	699.1	699.1	699.1
27.5°	720.2	715.0	712.3	712.3	712.3	715.0	720.2	722.9	725.5	725.5
30°	749.3	744.0	741.3	738.7	741.3	744.0	749.3	754.5	754.5	754.5
32.5°	802.0	788.8	780.9	783.6	783.6	786.2	791.5	791.5	794.1	794.1
35°	862.7	849.5	836.3	839.0	839.0	841.6	841.6	841.6	846.9	841.6
37.5°	939.2	918.1	907.6	910.2	904.9	904.9	904.9	904.9	902.3	907.6
40°	1021.0	989.3	978.8	981.4	978.8	976.1	976.1	978.8	976.1	978.8
42.5°	1007.8	875.9	907.6	944.5	970.9	989.3	1010.4	1021.0	1021.0	1031.6
45°	881.2	519.7	556.7	606.8	649.0	693.9	715.0	730.8	741.3	762.5
47.5°	765.1	187.3	213.7	248.0	292.8	292.8	329.8	345.6	350.9	369.4
50°	744.0	29.0	23.7	26.4	29.0	31.7	34.3	42.2	42.2	52.8
52.5°	809.9	26.4	15.8	10.6	10.6	7.9	5.3	5.3	5.3	7.9
55°	883.8	29.0	15.8	10.6	7.9	7.9	2.6	2.6	2.6	2.6
57.5°	947.1	26.4	13.2	10.6	7.9	5.3	0.0	0.0	0.0	0.0
60°	1015.7	29.0	15.8	10.6	7.9	5.3	0.0	0.0	0.0	0.0
62.5°	1076.4	29.0	15.8	10.6	7.9	2.6	0.0	0.0	0.0	0.0
65°	1163.5	31.7	15.8	10.6	5.3	0.0	0.0	0.0	0.0	0.0
67.5°	1179.3	31.7	15.8	7.9	2.6	0.0	0.0	0.0	0.0	0.0
70°	1052.7	26.4	10.6	5.3	2.6	0.0	0.0	0.0	0.0	0.0
72.5°	904.9	15.8	7.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	728.2	13.2	5.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	488.1	10.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	219.0	7.9	2.6	2.6	0.0	0.0	2.6	2.6	0.0	0.0
82.5°	47.5	5.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	31.7	5.3	2.6	2.6	0.0	0.0	2.6	2.6	0.0	0.0
87.5°	29.0	2.6	2.6	2.6	0.0	0.0	0.0	2.6	0.0	0.0
90°	29.0	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	34.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	31.7	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	23.7	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	15.8	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	7.9	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.6	2.6	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
130°	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.6	2.6	0.0	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
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.6	2.6	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

(END OF REPORT)