

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: P691839

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T5R-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9423 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

Input Watts (W): 74.9
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



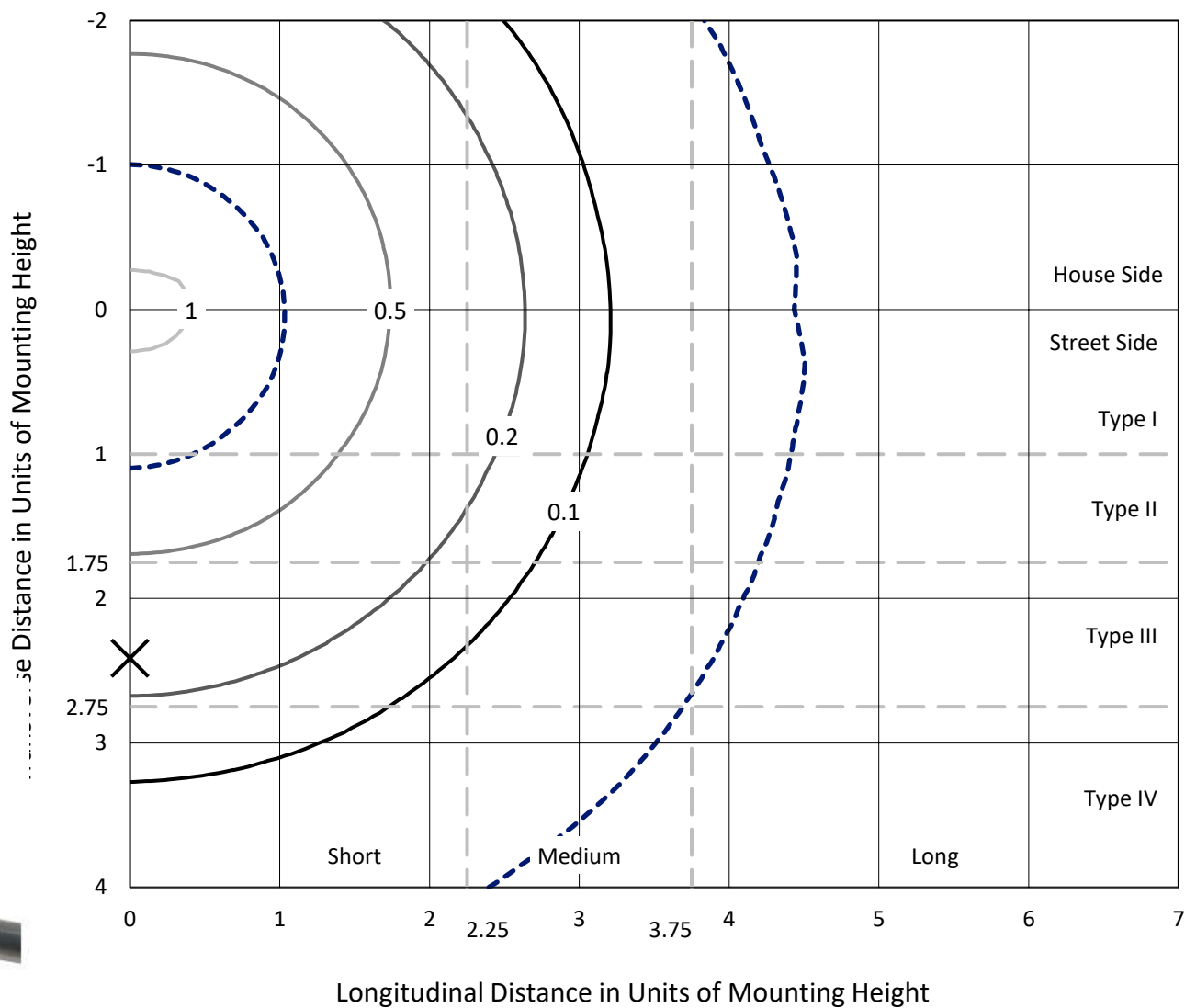
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

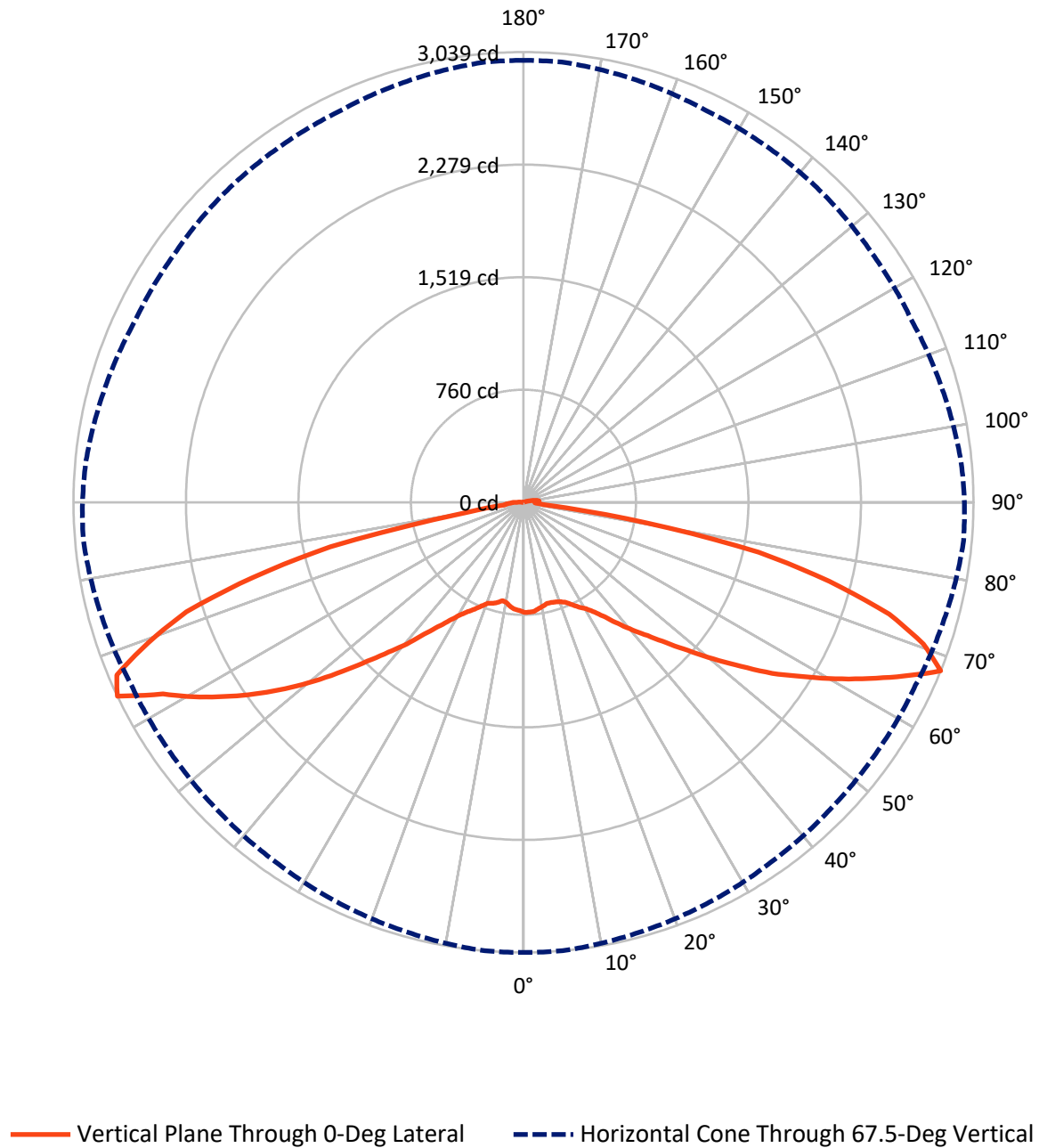
--- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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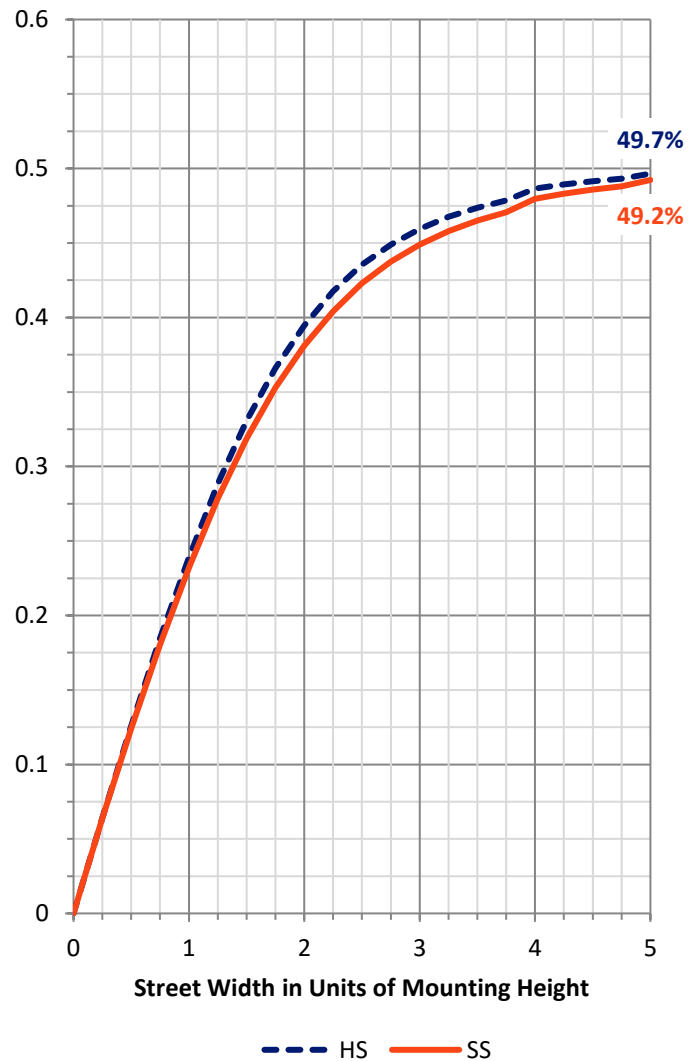
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4665.5	44.2	4709.7
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	4650.7	62.6	4713.3
	% Fixture	49.4	0.7	50.0
Total	Lumens	9316.2	106.8	9423.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	0.7
10°-20°	205.1	2.2
20°-30°	370.6	3.9
30°-40°	639.2	6.8
40°-50°	1133.9	12.0
50°-60°	1930.4	20.5
60°-70°	2765.7	29.4
70°-80°	2010.9	21.3
80°-90°	190.9	2.0
90°-100°	86.2	0.9
100°-110°	20.6	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9316.2	98.9
0°-180°	9423.0	100.0

Coefficient of Utilization



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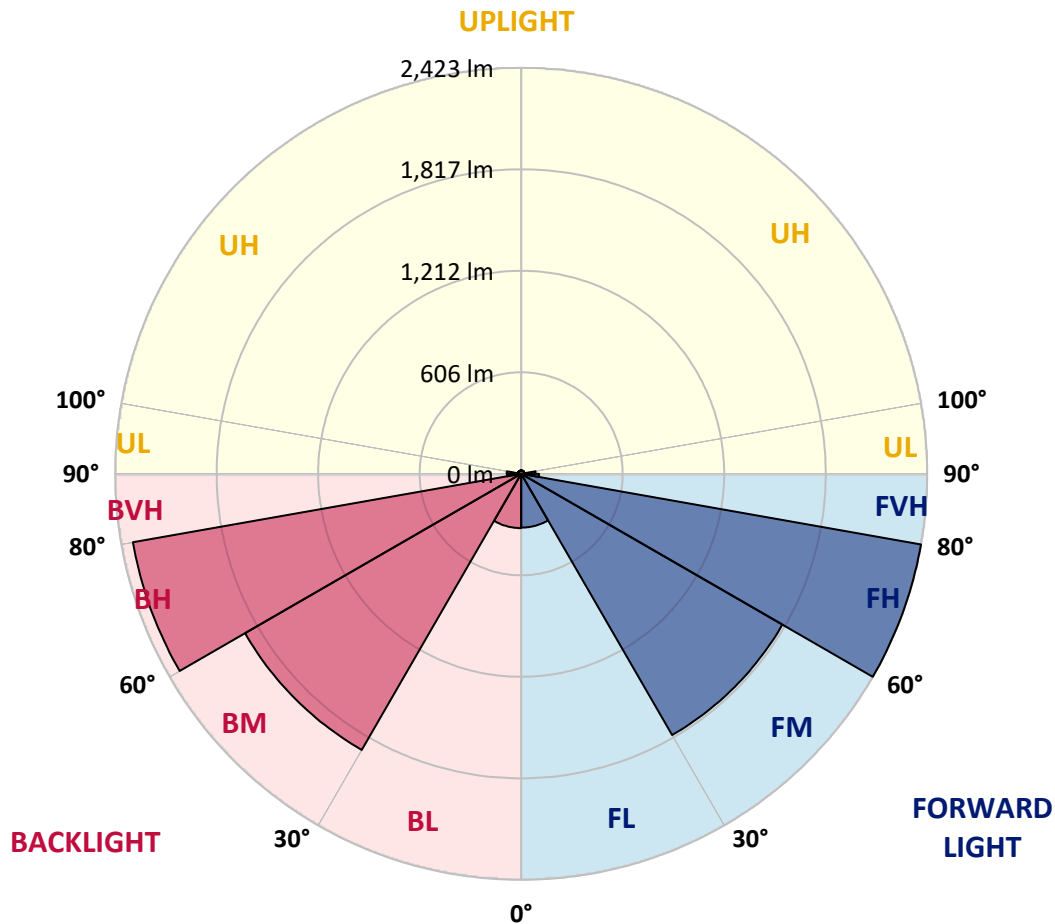
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	321.1	3.4			
FM	(30°-60°)	1800.3	19.1			
FH	(60°-80°)	2423.3	25.7			G2/5000
FVH	(80°-90°)	106.0	1.1			G2/225
BL	(0°-30°)	324.1	3.4	B1/500		
BM	(30°-60°)	1903.2	20.2	B2/2500		
BH	(60°-80°)	2353.3	25.0	B3/2500		G2/5000
BVH	(80°-90°)	84.9	0.9			G1/100
UL	(90°-100°)	86.2	0.9		U3/500	
UH	(100°-180°)	20.6	0.2		U2/50	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	742.8	742.8	742.8	742.8	742.8	742.8	742.8	742.8	742.8	742.8	742.8
2.5°	742.8	742.8	742.8	742.8	742.8	742.8	739.9	734.0	734.0	734.0	734.0
5°	739.9	739.9	739.9	739.9	742.8	742.8	742.8	736.9	736.9	736.9	736.9
7.5°	725.2	725.2	728.1	728.1	731.1	734.0	731.1	731.1	731.1	734.0	734.0
10°	713.5	713.5	716.4	716.4	719.3	719.3	725.2	725.2	728.1	731.1	731.1
12.5°	701.7	701.7	704.7	710.5	713.5	716.4	719.3	722.3	728.1	731.1	731.1
15°	701.7	701.7	701.7	707.6	716.4	722.3	725.2	731.1	736.9	739.9	742.8
17.5°	707.6	707.6	707.6	713.5	719.3	728.1	736.9	739.9	745.8	751.6	751.6
20°	716.4	716.4	719.3	725.2	734.0	739.9	745.8	754.6	760.4	766.3	769.2
22.5°	734.0	736.9	736.9	739.9	748.7	757.5	763.4	769.2	778.1	783.9	789.8
25°	766.3	763.4	763.4	769.2	775.1	783.9	786.9	792.7	801.5	810.4	813.3
27.5°	801.5	798.6	798.6	804.5	810.4	816.2	819.2	828.0	836.8	845.6	848.5
30°	833.8	833.8	836.8	842.6	848.5	857.3	860.3	869.1	874.9	886.7	886.7
32.5°	883.8	886.7	889.6	892.6	898.4	907.2	916.0	919.0	924.9	933.7	939.5
35°	951.3	957.2	957.2	960.1	974.8	983.6	977.7	986.5	995.3	1007.1	1012.9
37.5°	1039.4	1036.4	1045.2	1057.0	1059.9	1068.7	1065.8	1071.7	1083.4	1098.1	1106.9
40°	1133.3	1136.3	1136.3	1139.2	1148.0	1150.9	1162.7	1171.5	1183.2	1203.8	1209.7
42.5°	1230.2	1236.1	1242.0	1244.9	1259.6	1262.5	1271.3	1283.1	1297.7	1312.4	1318.3
45°	1350.6	1347.6	1362.3	1368.2	1382.9	1400.5	1400.5	1406.4	1429.9	1444.5	1453.3
47.5°	1494.5	1500.3	1509.1	1517.9	1541.4	1544.4	1559.0	1567.9	1582.5	1597.2	1600.1
50°	1661.8	1661.8	1670.6	1688.2	1702.9	1717.6	1726.4	1738.1	1749.9	1773.4	1785.1
52.5°	1838.0	1840.9	1852.6	1870.3	1893.8	1896.7	1905.5	1926.1	1934.9	1940.7	1961.3
55°	2037.6	2028.8	2037.6	2064.0	2090.5	2087.5	2090.5	2114.0	2128.6	2140.4	2146.3
57.5°	2219.7	2219.7	2228.5	2249.0	2254.9	2263.7	2266.6	2287.2	2304.8	2319.5	2322.4
60°	2419.3	2416.4	2422.2	2439.9	2460.4	2460.4	2457.5	2478.0	2495.6	2498.6	2519.1
62.5°	2619.0	2610.2	2616.0	2627.8	2639.5	2627.8	2639.5	2657.1	2671.8	2683.6	2689.4
65°	2827.4	2815.7	2818.6	2806.9	2789.3	2774.6	2801.0	2850.9	2894.9	2918.4	2921.4
67.5°	3038.8	3038.8	3006.5	2977.2	2947.8	2930.2	2921.4	2921.4	2950.7	2983.0	2977.2
70°	2865.6	2871.5	2845.0	2824.5	2777.5	2762.8	2754.0	2724.7	2739.3	2748.1	2727.6
72.5°	2583.7	2551.4	2539.7	2530.9	2495.6	2469.2	2439.9	2419.3	2410.5	2416.4	2392.9
75°	2134.5	2199.1	2163.9	2146.3	2122.8	2111.0	2034.7	2011.2	2008.3	2031.7	2031.7
77.5°	1623.6	1658.9	1635.4	1644.2	1609.0	1603.1	1573.7	1547.3	1526.7	1520.9	1462.2
80°	842.6	869.1	874.9	904.3	898.4	880.8	860.3	783.9	763.4	775.1	719.3
82.5°	152.7	158.5	161.5	164.4	152.7	158.5	161.5	146.8	155.6	152.7	146.8
85°	88.1	88.1	91.0	91.0	85.1	79.3	85.1	82.2	82.2	88.1	88.1
87.5°	76.3	79.3	82.2	82.2	73.4	67.5	73.4	73.4	76.3	79.3	79.3
90°	79.3	79.3	85.1	85.1	76.3	70.5	79.3	82.2	82.2	82.2	85.1
92.5°	105.7	102.8	105.7	105.7	96.9	91.0	102.8	102.8	102.8	102.8	105.7
95°	102.8	99.8	102.8	99.8	94.0	88.1	96.9	99.8	99.8	99.8	102.8
97.5°	88.1	88.1	88.1	88.1	79.3	76.3	88.1	88.1	85.1	85.1	88.1
100°	67.5	64.6	64.6	64.6	61.7	61.7	67.5	64.6	61.7	64.6	67.5
102.5°	44.0	44.0	44.0	44.0	44.0	44.0	44.0	41.1	41.1	41.1	47.0
105°	26.4	26.4	23.5	23.5	23.5	23.5	23.5	20.6	20.6	20.6	26.4
107.5°	8.8	8.8	5.9	5.9	5.9	5.9	5.9	2.9	2.9	2.9	8.8
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°	75°	85°	90°
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	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	0.0
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	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	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	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	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	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	742.8	742.8	742.8	742.8	742.8	742.8	742.8	742.8	742.8	742.8
2.5°	736.9	736.9	739.9	736.9	736.9	734.0	731.1	728.1	731.1	731.1
5°	736.9	739.9	736.9	734.0	731.1	728.1	728.1	722.3	722.3	725.2
7.5°	734.0	739.9	734.0	731.1	722.3	719.3	716.4	710.5	710.5	710.5
10°	731.1	731.1	728.1	716.4	710.5	701.7	698.8	692.9	690.0	687.0
12.5°	731.1	731.1	722.3	713.5	704.7	692.9	690.0	684.1	681.2	678.2
15°	739.9	742.8	736.9	725.2	710.5	707.6	698.8	695.8	692.9	698.8
17.5°	754.6	751.6	745.8	734.0	725.2	722.3	710.5	710.5	707.6	713.5
20°	769.2	763.4	757.5	751.6	739.9	734.0	734.0	725.2	728.1	722.3
22.5°	786.9	789.8	781.0	772.2	763.4	760.4	757.5	757.5	754.6	754.6
25°	816.2	816.2	810.4	801.5	795.7	789.8	786.9	789.8	783.9	792.7
27.5°	851.5	848.5	848.5	842.6	833.8	830.9	828.0	830.9	828.0	828.0
30°	886.7	892.6	886.7	883.8	877.9	877.9	874.9	874.9	877.9	874.9
32.5°	942.5	945.4	945.4	942.5	936.6	933.7	933.7	936.6	942.5	939.5
35°	1015.9	1018.8	1024.7	1030.6	1030.6	1024.7	1018.8	1015.9	1018.8	1018.8
37.5°	1112.8	1115.7	1121.6	1121.6	1118.6	1115.7	1118.6	1124.5	1112.8	1112.8
40°	1212.6	1209.7	1215.5	1221.4	1224.3	1221.4	1218.5	1224.3	1230.2	1239.0
42.5°	1324.2	1330.0	1333.0	1344.7	1350.6	1350.6	1347.6	1356.5	1359.4	1359.4
45°	1456.3	1471.0	1465.1	1485.6	1503.3	1506.2	1497.4	1503.3	1497.4	1503.3
47.5°	1609.0	1620.7	1632.4	1650.1	1658.9	1664.7	1661.8	1667.7	1673.6	1673.6
50°	1782.2	1791.0	1811.5	1835.0	1849.7	1849.7	1838.0	1849.7	1861.5	1858.5
52.5°	1964.2	1981.8	2002.4	2022.9	2034.7	2037.6	2037.6	2046.4	2043.5	2043.5
55°	2155.1	2169.7	2196.2	2207.9	2222.6	2228.5	2228.5	2231.4	2228.5	2228.5
57.5°	2337.1	2354.7	2375.3	2398.8	2413.4	2419.3	2413.4	2413.4	2413.4	2407.6
60°	2525.0	2536.8	2557.3	2574.9	2583.7	2595.5	2595.5	2592.5	2589.6	2586.7
62.5°	2698.2	2704.1	2710.0	2712.9	2721.7	2745.2	2745.2	2759.9	2759.9	2757.0
65°	2924.3	2897.9	2874.4	2880.3	2900.8	2921.4	2939.0	2997.7	3027.1	3038.8
67.5°	2968.4	2930.2	2894.9	2892.0	2903.8	2909.6	2918.4	2950.7	2983.0	2983.0
70°	2710.0	2686.5	2654.2	2668.9	2677.7	2668.9	2680.6	2701.2	2730.5	2704.1
72.5°	2375.3	2337.1	2360.6	2375.3	2360.6	2348.8	2354.7	2351.8	2372.3	2392.9
75°	2005.3	1926.1	1926.1	1926.1	1931.9	1905.5	1905.5	1908.4	1946.6	1893.8
77.5°	1485.6	1429.9	1415.2	1356.5	1350.6	1315.4	1338.8	1324.2	1359.4	1338.8
80°	692.9	669.4	660.6	601.9	590.1	496.2	531.4	472.7	490.3	440.4
82.5°	143.9	140.9	138.0	123.3	111.6	96.9	114.5	129.2	132.1	129.2
85°	91.0	94.0	94.0	88.1	82.2	73.4	88.1	108.6	114.5	114.5
87.5°	79.3	82.2	82.2	79.3	73.4	64.6	73.4	82.2	85.1	82.2
90°	85.1	88.1	85.1	82.2	76.3	67.5	76.3	79.3	64.6	67.5
92.5°	102.8	102.8	99.8	99.8	96.9	85.1	94.0	76.3	29.4	8.8
95°	99.8	96.9	96.9	94.0	91.0	76.3	76.3	20.6	0.0	0.0
97.5°	85.1	79.3	79.3	76.3	76.3	64.6	47.0	0.0	0.0	0.0
100°	64.6	55.8	55.8	52.8	52.8	44.0	17.6	0.0	0.0	0.0
102.5°	44.0	35.2	32.3	29.4	29.4	26.4	2.9	0.0	0.0	0.0
105°	23.5	14.7	11.7	8.8	8.8	5.9	0.0	0.0	0.0	0.0
107.5°	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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°
112.5°	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
117.5°	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
122.5°	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
127.5°	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
132.5°	0.0	0.0	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°	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
142.5°	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
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	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
165°	0.0	0.0	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	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
177.5°	0.0	0.0	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)