

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: P691641

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691641
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-C018-5TLD-U-T5R-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8464 lumens
Efficiency: N/A
Efficacy: 157.6 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): 53.7
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



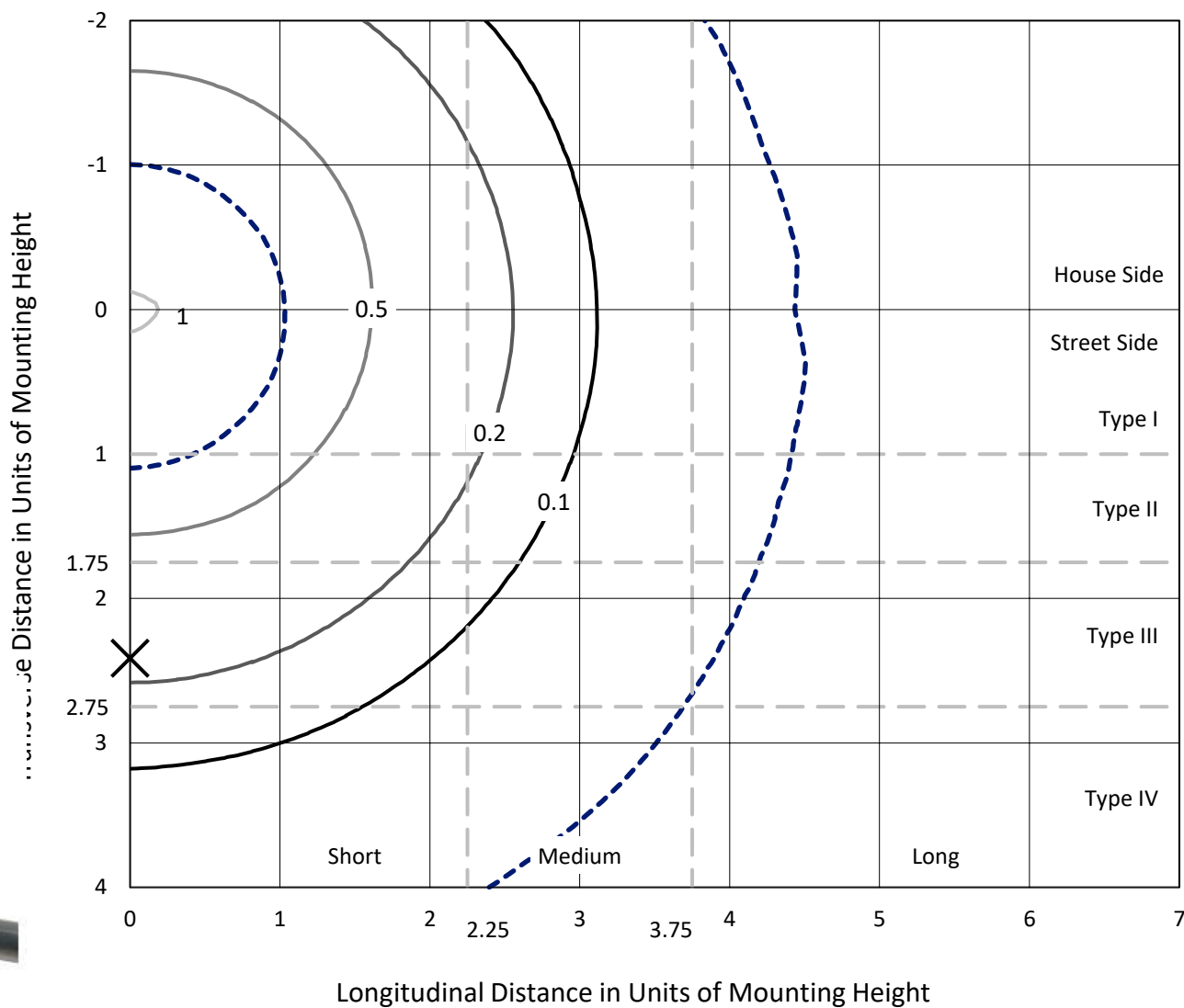
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

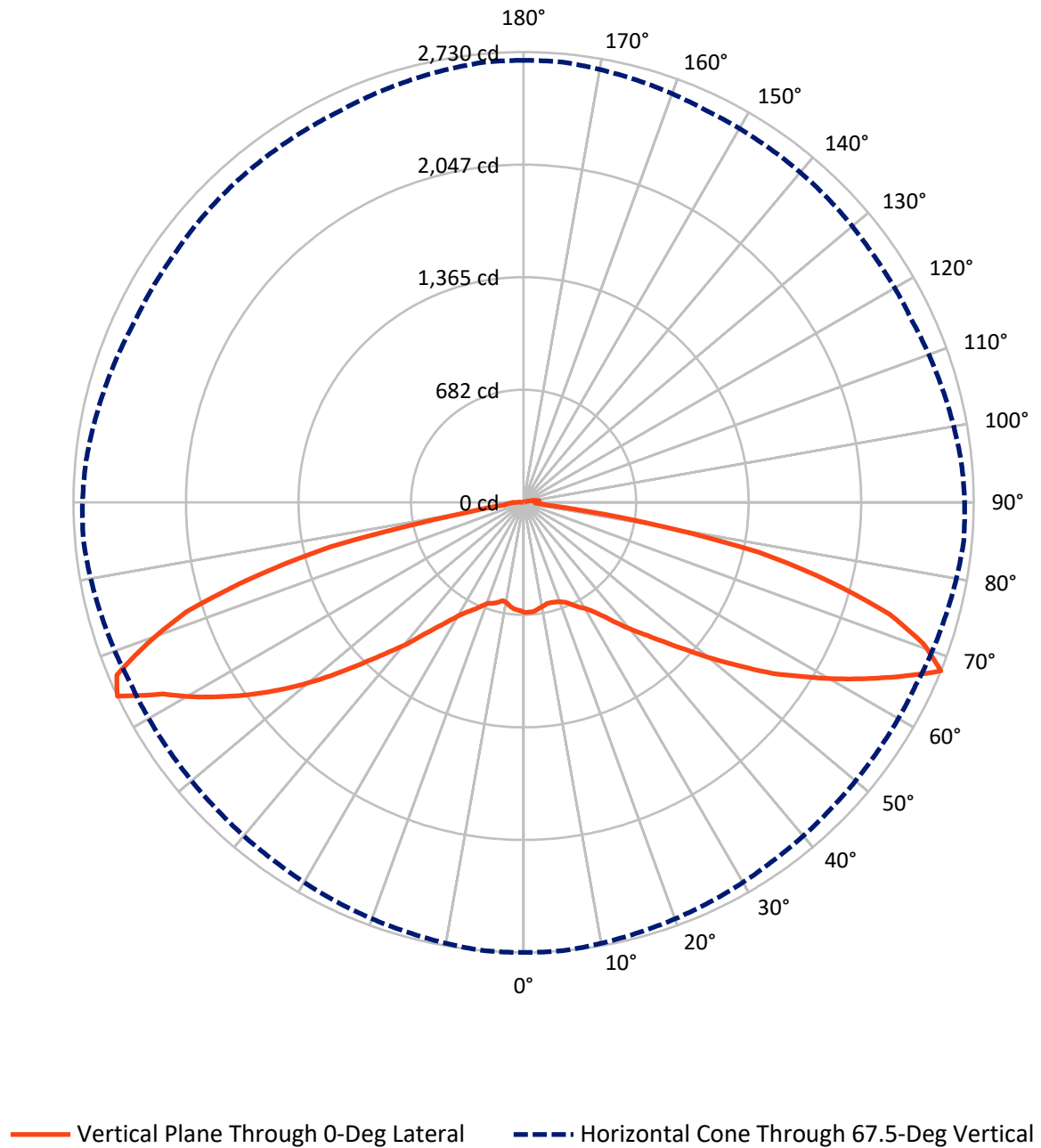
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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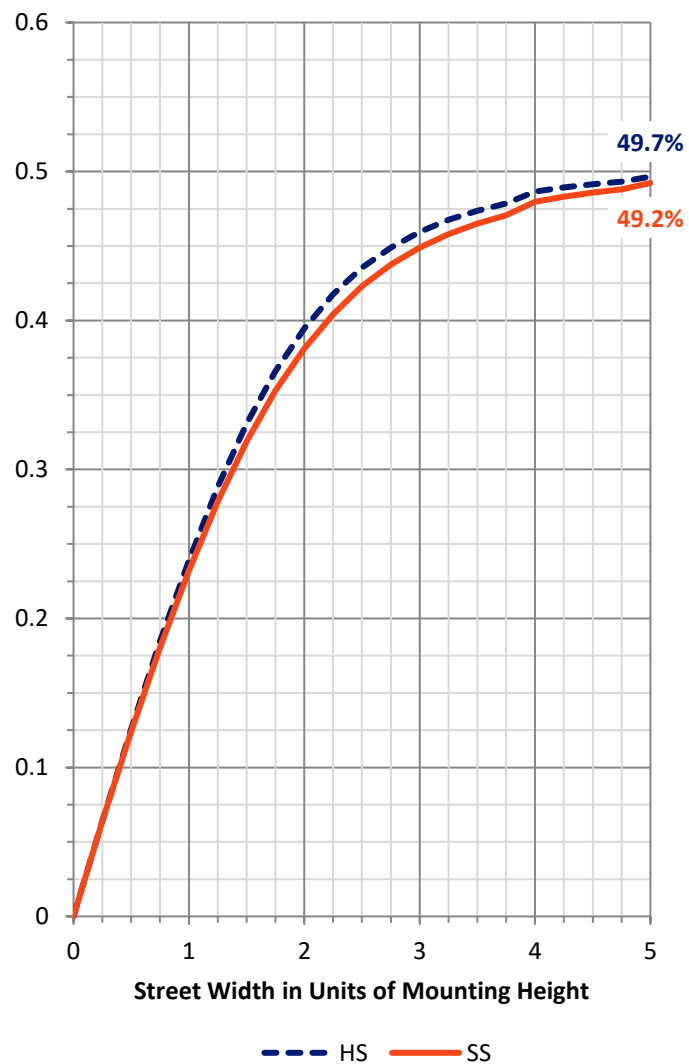
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4190.7	39.7	4230.4
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	4177.4	56.2	4233.6
	% Fixture	49.4	0.7	50.0
Total	Lumens	8368.1	95.9	8464.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	0.7
10°-20°	184.2	2.2
20°-30°	332.9	3.9
30°-40°	574.1	6.8
40°-50°	1018.5	12.0
50°-60°	1733.9	20.5
60°-70°	2484.2	29.4
70°-80°	1806.3	21.3
80°-90°	171.5	2.0
90°-100°	77.4	0.9
100°-110°	18.5	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°	8368.1	98.9
0°-180°	8464.0	100.0

Coefficient of Utilization



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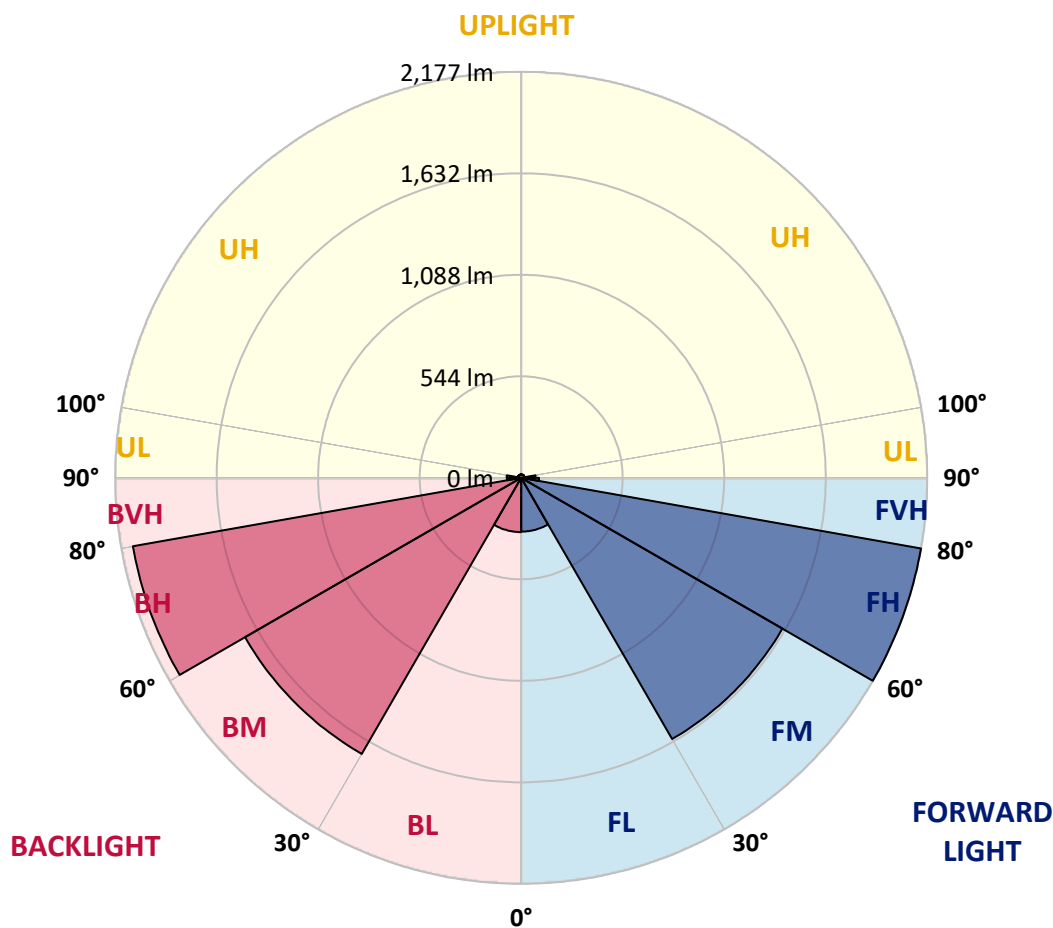
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.5	3.4			
FM	(30°-60°)	1617.0	19.1			
FH	(60°-80°)	2176.7	25.7			G2/5000
FVH	(80°-90°)	95.3	1.1			G1/100
BL	(0°-30°)	291.1	3.4	B1/500		
BM	(30°-60°)	1709.5	20.2	B2/2500		
BH	(60°-80°)	2113.8	25.0	B3/2500		G2/5000
BVH	(80°-90°)	76.2	0.9			G1/100
UL	(90°-100°)	77.4	0.9		U3/500	
UH	(100°-180°)	18.5	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°	667.2	667.2	667.2	667.2	667.2	667.2	667.2	667.2	667.2	667.2	667.2
2.5°	667.2	667.2	667.2	667.2	667.2	667.2	664.6	659.3	659.3	659.3	659.3
5°	664.6	664.6	664.6	664.6	667.2	667.2	667.2	661.9	661.9	661.9	661.9
7.5°	651.4	651.4	654.0	654.0	656.7	659.3	656.7	656.7	656.7	659.3	659.3
10°	640.9	640.9	643.5	643.5	646.1	646.1	651.4	651.4	654.0	656.7	656.7
12.5°	630.3	630.3	632.9	638.2	640.9	643.5	646.1	648.8	654.0	656.7	656.7
15°	630.3	630.3	630.3	635.6	643.5	648.8	651.4	656.7	661.9	664.6	667.2
17.5°	635.6	635.6	635.6	640.9	646.1	654.0	661.9	664.6	669.9	675.1	675.1
20°	643.5	643.5	646.1	651.4	659.3	664.6	669.9	677.8	683.0	688.3	691.0
22.5°	659.3	661.9	661.9	664.6	672.5	680.4	685.7	691.0	698.9	704.1	709.4
25°	688.3	685.7	685.7	691.0	696.2	704.1	706.8	712.1	720.0	727.9	730.5
27.5°	720.0	717.3	717.3	722.6	727.9	733.2	735.8	743.7	751.6	759.5	762.2
30°	749.0	749.0	751.6	756.9	762.2	770.1	772.7	780.6	785.9	796.4	796.4
32.5°	793.8	796.4	799.1	801.7	807.0	814.9	822.8	825.5	830.7	838.6	843.9
35°	854.5	859.7	859.7	862.4	875.6	883.5	878.2	886.1	894.0	904.6	909.8
37.5°	933.6	930.9	938.9	949.4	952.0	960.0	957.3	962.6	973.1	986.3	994.2
40°	1018.0	1020.6	1020.6	1023.3	1031.2	1033.8	1044.3	1052.3	1062.8	1081.3	1086.5
42.5°	1105.0	1110.3	1115.6	1118.2	1131.4	1134.0	1141.9	1152.5	1165.7	1178.8	1184.1
45°	1213.1	1210.5	1223.7	1229.0	1242.1	1258.0	1258.0	1263.2	1284.3	1297.5	1305.4
47.5°	1342.4	1347.6	1355.5	1363.5	1384.6	1387.2	1400.4	1408.3	1421.5	1434.7	1437.3
50°	1492.7	1492.7	1500.6	1516.4	1529.6	1542.8	1550.7	1561.2	1571.8	1592.9	1603.4
52.5°	1650.9	1653.6	1664.1	1679.9	1701.0	1703.7	1711.6	1730.0	1737.9	1743.2	1761.7
55°	1830.2	1822.3	1830.2	1854.0	1877.7	1875.1	1877.7	1898.8	1912.0	1922.6	1927.8
57.5°	1993.8	1993.8	2001.7	2020.1	2025.4	2033.3	2036.0	2054.4	2070.2	2083.4	2086.1
60°	2173.1	2170.5	2175.7	2191.6	2210.0	2210.0	2207.4	2225.8	2241.7	2244.3	2262.8
62.5°	2352.4	2344.5	2349.8	2360.3	2370.9	2360.3	2370.9	2386.7	2399.9	2410.4	2415.7
65°	2539.7	2529.1	2531.8	2521.2	2505.4	2492.2	2515.9	2560.8	2600.3	2621.4	2624.1
67.5°	2729.5	2729.5	2700.5	2674.2	2647.8	2632.0	2624.1	2624.1	2650.4	2679.4	2674.2
70°	2574.0	2579.2	2555.5	2537.0	2494.8	2481.6	2473.7	2447.4	2460.5	2468.5	2450.0
72.5°	2320.8	2291.8	2281.2	2273.3	2241.7	2217.9	2191.6	2173.1	2165.2	2170.5	2149.4
75°	1917.3	1975.3	1943.6	1927.8	1906.7	1896.2	1827.6	1806.5	1803.9	1825.0	1825.0
77.5°	1458.4	1490.0	1468.9	1476.9	1445.2	1439.9	1413.6	1389.8	1371.4	1366.1	1313.3
80°	756.9	780.6	785.9	812.3	807.0	791.2	772.7	704.1	685.7	696.2	646.1
82.5°	137.1	142.4	145.0	147.7	137.1	142.4	145.0	131.9	139.8	137.1	131.9
85°	79.1	79.1	81.8	81.8	76.5	71.2	76.5	73.8	73.8	79.1	79.1
87.5°	68.6	71.2	73.8	73.8	65.9	60.7	65.9	65.9	68.6	71.2	71.2
90°	71.2	71.2	76.5	76.5	68.6	63.3	71.2	73.8	73.8	73.8	76.5
92.5°	94.9	92.3	94.9	94.9	87.0	81.8	92.3	92.3	92.3	92.3	94.9
95°	92.3	89.7	92.3	89.7	84.4	79.1	87.0	89.7	89.7	89.7	92.3
97.5°	79.1	79.1	79.1	79.1	71.2	68.6	79.1	79.1	76.5	76.5	79.1
100°	60.7	58.0	58.0	58.0	55.4	55.4	60.7	58.0	55.4	58.0	60.7
102.5°	39.6	39.6	39.6	39.6	39.6	39.6	39.6	36.9	36.9	36.9	42.2
105°	23.7	23.7	21.1	21.1	21.1	21.1	21.1	18.5	18.5	18.5	23.7
107.5°	7.9	7.9	5.3	5.3	5.3	5.3	5.3	2.6	2.6	2.6	7.9
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°	667.2	667.2	667.2	667.2	667.2	667.2	667.2	667.2	667.2	667.2
2.5°	661.9	661.9	664.6	661.9	661.9	659.3	656.7	654.0	656.7	656.7
5°	661.9	664.6	661.9	659.3	656.7	654.0	654.0	648.8	648.8	651.4
7.5°	659.3	664.6	659.3	656.7	648.8	646.1	643.5	638.2	638.2	638.2
10°	656.7	656.7	654.0	643.5	638.2	630.3	627.7	622.4	619.8	617.1
12.5°	656.7	656.7	648.8	640.9	632.9	622.4	619.8	614.5	611.8	609.2
15°	664.6	667.2	661.9	651.4	638.2	635.6	627.7	625.0	622.4	627.7
17.5°	677.8	675.1	669.9	659.3	651.4	648.8	638.2	638.2	635.6	640.9
20°	691.0	685.7	680.4	675.1	664.6	659.3	659.3	651.4	654.0	648.8
22.5°	706.8	709.4	701.5	693.6	685.7	683.0	680.4	680.4	677.8	677.8
25°	733.2	733.2	727.9	720.0	714.7	709.4	706.8	709.4	704.1	712.1
27.5°	764.8	762.2	762.2	756.9	749.0	746.3	743.7	746.3	743.7	743.7
30°	796.4	801.7	796.4	793.8	788.5	788.5	785.9	785.9	788.5	785.9
32.5°	846.6	849.2	849.2	846.6	841.3	838.6	838.6	841.3	846.6	843.9
35°	912.5	915.1	920.4	925.7	925.7	920.4	915.1	912.5	915.1	915.1
37.5°	999.5	1002.2	1007.4	1007.4	1004.8	1002.2	1004.8	1010.1	999.5	999.5
40°	1089.2	1086.5	1091.8	1097.1	1099.7	1097.1	1094.5	1099.7	1105.0	1112.9
42.5°	1189.4	1194.7	1197.3	1207.9	1213.1	1213.1	1210.5	1218.4	1221.0	1221.0
45°	1308.1	1321.3	1316.0	1334.4	1350.3	1352.9	1345.0	1350.3	1345.0	1350.3
47.5°	1445.2	1455.8	1466.3	1482.1	1490.0	1495.3	1492.7	1498.0	1503.2	1503.2
50°	1600.8	1608.7	1627.2	1648.3	1661.5	1661.5	1650.9	1661.5	1672.0	1669.4
52.5°	1764.3	1780.1	1798.6	1817.1	1827.6	1830.2	1830.2	1838.2	1835.5	1835.5
55°	1935.7	1948.9	1972.7	1983.2	1996.4	2001.7	2001.7	2004.3	2001.7	2001.7
57.5°	2099.2	2115.1	2133.5	2154.6	2167.8	2173.1	2167.8	2167.8	2167.8	2162.5
60°	2268.0	2278.6	2297.0	2312.9	2320.8	2331.3	2331.3	2328.7	2326.0	2323.4
62.5°	2423.6	2428.9	2434.2	2436.8	2444.7	2465.8	2465.8	2479.0	2479.0	2476.4
65°	2626.7	2603.0	2581.9	2587.1	2605.6	2624.1	2639.9	2692.6	2719.0	2729.5
67.5°	2666.3	2632.0	2600.3	2597.7	2608.2	2613.5	2621.4	2650.4	2679.4	2679.4
70°	2434.2	2413.1	2384.1	2397.3	2405.2	2397.3	2407.8	2426.3	2452.6	2428.9
72.5°	2133.5	2099.2	2120.3	2133.5	2120.3	2109.8	2115.1	2112.4	2130.9	2149.4
75°	1801.2	1730.0	1730.0	1730.0	1735.3	1711.6	1711.6	1714.2	1748.5	1701.0
77.5°	1334.4	1284.3	1271.2	1218.4	1213.1	1181.5	1202.6	1189.4	1221.0	1202.6
80°	622.4	601.3	593.4	540.6	530.1	445.7	477.3	424.6	440.4	395.6
82.5°	129.2	126.6	124.0	110.8	100.2	87.0	102.9	116.0	118.7	116.0
85°	81.8	84.4	84.4	79.1	73.8	65.9	79.1	97.6	102.9	102.9
87.5°	71.2	73.8	73.8	71.2	65.9	58.0	65.9	73.8	76.5	73.8
90°	76.5	79.1	76.5	73.8	68.6	60.7	68.6	71.2	58.0	60.7
92.5°	92.3	92.3	89.7	89.7	87.0	76.5	84.4	68.6	26.4	7.9
95°	89.7	87.0	87.0	84.4	81.8	68.6	68.6	18.5	0.0	0.0
97.5°	76.5	71.2	71.2	68.6	68.6	58.0	42.2	0.0	0.0	0.0
100°	58.0	50.1	50.1	47.5	47.5	39.6	15.8	0.0	0.0	0.0
102.5°	39.6	31.6	29.0	26.4	26.4	23.7	2.6	0.0	0.0	0.0
105°	21.1	13.2	10.5	7.9	7.9	5.3	0.0	0.0	0.0	0.0
107.5°	7.9	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)