

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: P690998

Luminaire Tested: **CRTK2-C01-D-U-T5R-7050-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690998
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-C01-D-U-T5R-7050-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5967 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

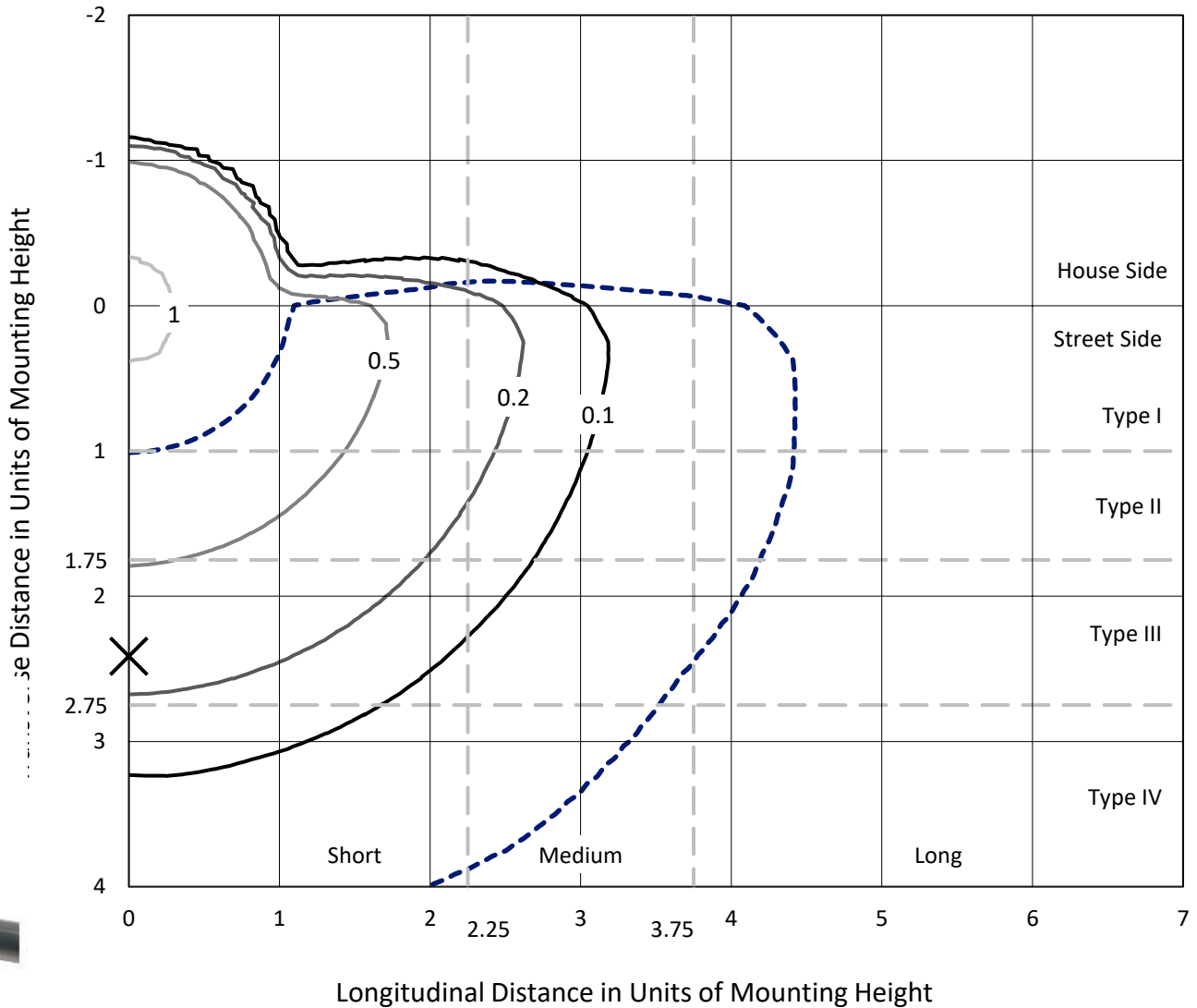
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

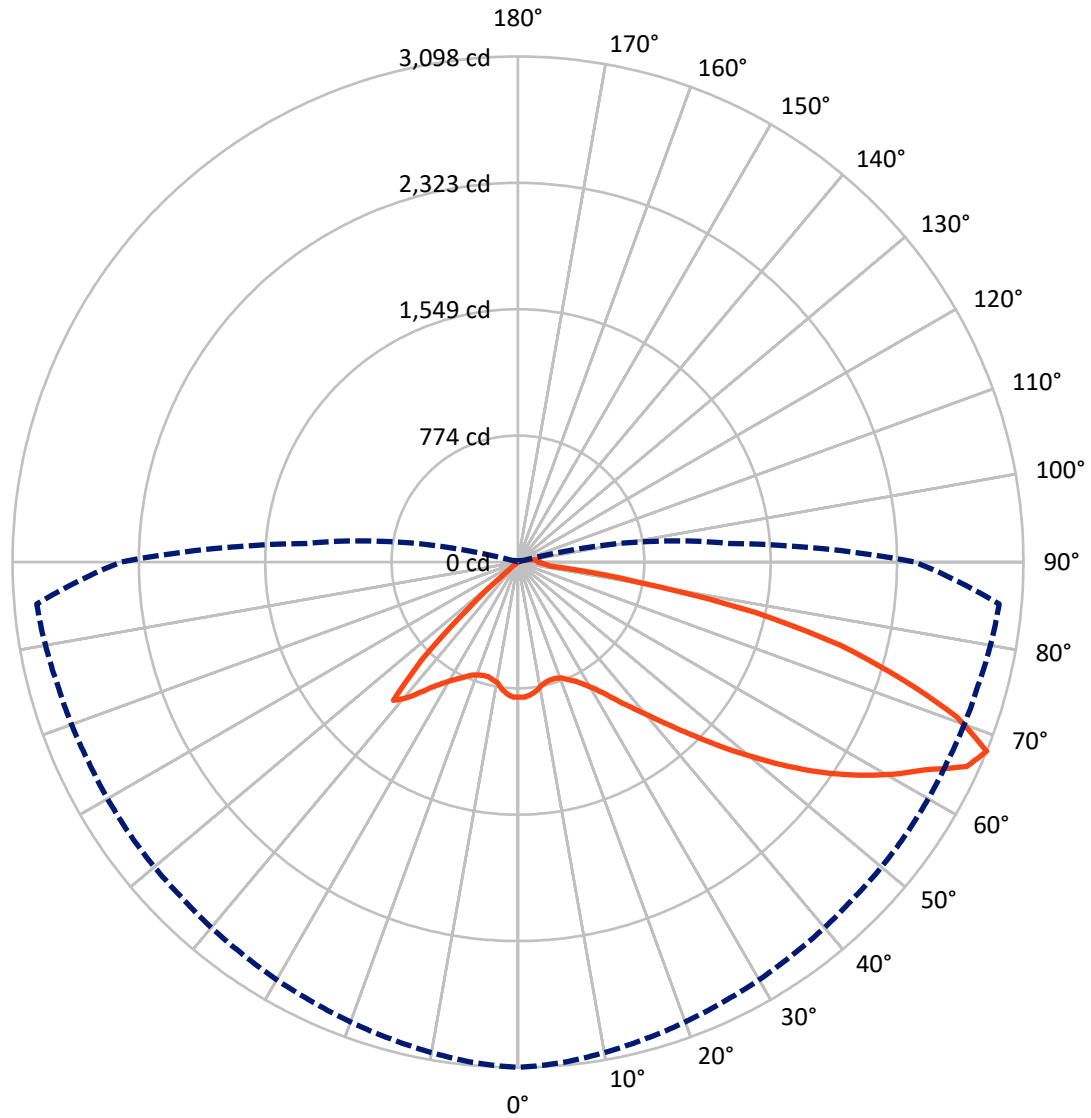
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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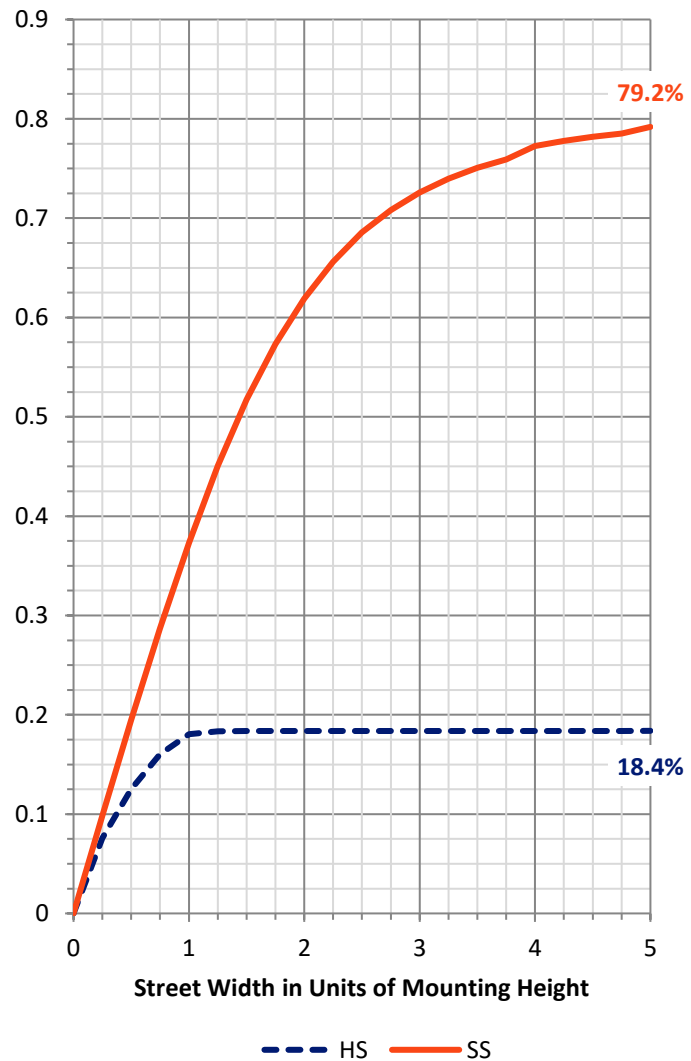
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1103.6	4.4	1108.0
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	4776.0	82.9	4858.9
	% Fixture	80.0	1.4	81.4
Total	Lumens	5879.7	87.3	5967.0
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	1.3
10°-20°	206.1	3.5
20°-30°	363.1	6.1
30°-40°	620.7	10.4
40°-50°	852.9	14.3
50°-60°	1054.2	17.7
60°-70°	1473.2	24.7
70°-80°	1076.1	18.0
80°-90°	158.0	2.6
90°-100°	69.7	1.2
100°-110°	15.9	0.3
110°-120°	1.0	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°	0.1	0.0
0°-90°	5879.7	98.5
0°-180°	5967.0	100.0



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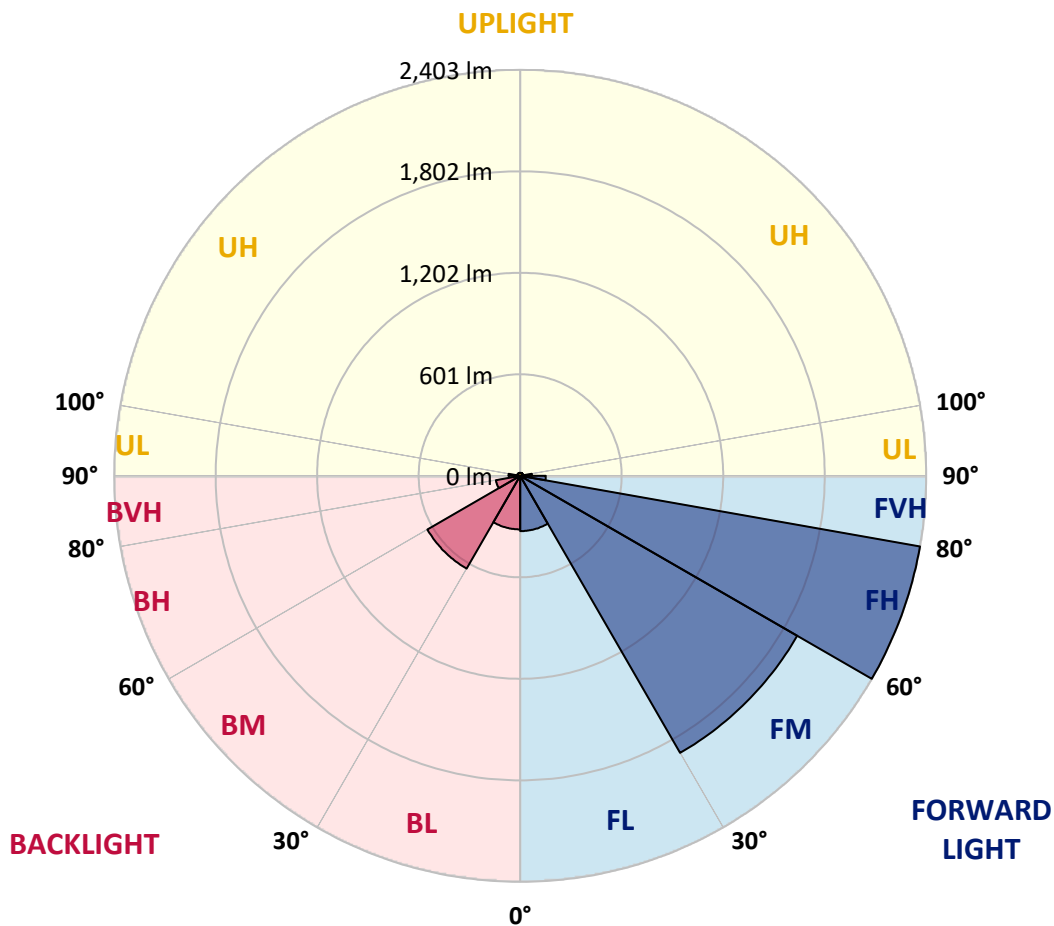
CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.2	5.5			
FM (30°-60°)	1893.6	31.7			
FH (60°-80°)	2403.3	40.3			G2/5000
FVH (80°-90°)	151.9	2.5			G2/225
BL (0°-30°)	317.3	5.3	B1/500		
BM (30°-60°)	634.1	10.6	B1/1000		
BH (60°-80°)	146.0	2.4	B1/500		G1/500
BVH (80°-90°)	6.1	0.1			G0/10
UL (90°-100°)	69.7	1.2		U3/500	
UH (100°-180°)	17.7	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°	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4
2.5°	828.4	828.4	828.4	828.4	831.3	828.4	825.5	819.6	819.6	819.6	819.6
5°	816.7	816.7	819.6	819.6	816.7	813.8	808.0	808.0	805.1	805.1	805.1
7.5°	799.2	799.2	799.2	802.1	796.3	787.6	784.6	781.7	778.8	775.9	773.0
10°	773.0	773.0	773.0	770.1	764.2	755.5	749.6	743.8	743.8	740.9	738.0
12.5°	755.5	755.5	755.5	752.6	743.8	738.0	729.2	723.4	720.5	720.5	717.6
15°	749.6	749.6	749.6	746.7	738.0	732.1	723.4	717.6	711.7	708.8	705.9
17.5°	749.6	749.6	749.6	743.8	740.9	732.1	723.4	717.6	714.6	711.7	708.8
20°	758.4	761.3	758.4	755.5	746.7	740.9	732.1	723.4	720.5	720.5	717.6
22.5°	781.7	778.8	778.8	775.9	767.1	758.4	752.6	746.7	740.9	740.9	738.0
25°	808.0	810.9	810.9	805.1	799.2	790.5	781.7	773.0	770.1	767.1	764.2
27.5°	845.9	845.9	848.8	843.0	834.2	828.4	819.6	813.8	808.0	802.1	799.2
30°	892.6	895.5	895.5	889.6	880.9	869.2	863.4	854.6	845.9	845.9	837.1
32.5°	953.8	959.7	956.7	950.9	942.1	930.5	924.6	915.9	910.1	901.3	895.5
35°	1038.4	1041.3	1038.4	1032.6	1018.0	1006.3	1000.5	994.7	988.8	977.2	965.5
37.5°	1131.7	1134.7	1137.6	1131.7	1114.2	1096.7	1090.9	1082.2	1079.2	1064.7	1058.8
40°	1239.7	1245.5	1242.6	1233.8	1219.3	1201.8	1198.8	1190.1	1181.3	1172.6	1158.0
42.5°	1370.9	1370.9	1368.0	1362.2	1350.5	1330.1	1324.3	1315.5	1309.7	1292.2	1268.8
45°	1522.6	1525.5	1516.8	1508.0	1505.1	1487.6	1473.0	1464.3	1446.8	1426.4	1400.1
47.5°	1700.5	1697.6	1686.0	1677.2	1674.3	1659.7	1648.0	1630.5	1607.2	1583.9	1534.3
50°	1884.3	1884.3	1863.9	1855.1	1861.0	1840.5	1826.0	1805.5	1782.2	1758.9	1686.0
52.5°	2082.6	2073.9	2053.5	2056.4	2047.6	2027.2	2009.7	1995.1	1971.8	1951.4	1834.7
55°	2281.0	2269.3	2237.2	2240.2	2225.6	2202.2	2190.6	2173.1	2167.2	2143.9	1977.6
57.5°	2464.8	2450.2	2415.2	2412.3	2400.6	2374.3	2368.5	2348.1	2333.5	2321.8	2085.6
60°	2642.7	2628.1	2596.0	2584.3	2561.0	2534.8	2537.7	2526.0	2517.3	2505.6	2205.2
62.5°	2803.1	2785.6	2756.4	2733.1	2701.0	2677.7	2680.6	2674.8	2680.6	2677.7	2307.2
65°	3021.9	3004.4	2960.6	2919.8	2873.1	2838.1	2835.2	2844.0	2905.2	2911.0	2464.8
67.5°	3097.7	3080.2	3024.8	2975.2	2937.3	2911.0	2905.2	2902.3	2919.8	2960.6	2432.7
70°	2858.5	2846.9	2794.4	2759.4	2721.4	2703.9	2686.4	2695.2	2712.7	2709.8	2231.4
72.5°	2467.7	2531.8	2464.8	2432.7	2423.9	2377.3	2388.9	2380.2	2391.8	2388.9	1983.5
75°	2041.8	2024.3	2009.7	2065.1	2024.3	1989.3	2009.7	2030.1	2050.6	2027.2	1738.5
77.5°	1484.7	1496.4	1490.5	1510.9	1548.9	1531.4	1519.7	1569.3	1578.0	1499.3	1350.5
80°	746.7	793.4	808.0	843.0	863.4	825.5	793.4	863.4	851.7	761.3	685.5
82.5°	195.4	198.3	227.5	268.4	274.2	268.4	274.2	268.4	233.3	148.8	125.4
85°	163.3	163.3	201.3	245.0	253.8	242.1	242.1	227.5	180.8	93.3	75.8
87.5°	134.2	140.0	180.8	221.7	227.5	215.8	212.9	195.4	157.5	81.7	64.2
90°	119.6	125.4	163.3	198.3	201.3	189.6	186.7	175.0	142.9	81.7	64.2
92.5°	131.3	134.2	160.4	180.8	180.8	172.1	169.2	160.4	140.0	102.1	78.8
95°	116.7	119.6	131.3	140.0	137.1	128.3	134.2	125.4	116.7	96.3	72.9
97.5°	96.3	99.2	102.1	102.1	99.2	93.3	99.2	96.3	90.4	78.8	58.3
100°	72.9	72.9	72.9	75.8	72.9	70.0	72.9	67.1	64.2	55.4	40.8
102.5°	49.6	49.6	49.6	49.6	49.6	49.6	49.6	43.8	40.8	35.0	23.3
105°	29.2	29.2	26.3	29.2	29.2	26.3	26.3	23.3	17.5	14.6	8.8
107.5°	11.7	11.7	8.8	8.8	8.8	8.8	5.8	2.9	2.9	2.9	2.9
110°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
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	2.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
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	2.9	2.9	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
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°	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4	828.4
2.5°	819.6	819.6	819.6	819.6	819.6	819.6	822.6	825.5	828.4	828.4
5°	805.1	805.1	805.1	802.1	805.1	808.0	810.9	810.9	813.8	813.8
7.5°	775.9	773.0	773.0	773.0	775.9	781.7	781.7	784.6	787.6	787.6
10°	738.0	738.0	738.0	738.0	740.9	746.7	746.7	752.6	752.6	752.6
12.5°	717.6	717.6	714.6	711.7	717.6	717.6	726.3	729.2	732.1	738.0
15°	705.9	703.0	705.9	705.9	708.8	711.7	714.6	720.5	723.4	726.3
17.5°	705.9	705.9	705.9	708.8	711.7	711.7	714.6	720.5	723.4	726.3
20°	717.6	717.6	714.6	714.6	717.6	717.6	723.4	729.2	732.1	735.1
22.5°	735.1	732.1	732.1	729.2	732.1	735.1	740.9	746.7	746.7	746.7
25°	758.4	755.5	755.5	755.5	761.3	761.3	767.1	773.0	773.0	773.0
27.5°	796.3	790.5	787.6	787.6	787.6	790.5	796.3	799.2	802.1	802.1
30°	828.4	822.6	819.6	816.7	819.6	822.6	828.4	834.2	834.2	834.2
32.5°	886.7	872.1	863.4	866.3	866.3	869.2	875.1	875.1	878.0	878.0
35°	953.8	939.2	924.6	927.6	927.6	930.5	930.5	930.5	936.3	930.5
37.5°	1038.4	1015.1	1003.4	1006.3	1000.5	1000.5	1000.5	1000.5	997.6	1003.4
40°	1128.8	1093.8	1082.2	1085.1	1082.2	1079.2	1079.2	1082.2	1079.2	1082.2
42.5°	1114.2	968.4	1003.4	1044.2	1073.4	1093.8	1117.2	1128.8	1128.8	1140.5
45°	974.2	574.6	615.5	670.9	717.6	767.1	790.5	808.0	819.6	843.0
47.5°	845.9	207.1	236.3	274.2	323.8	323.8	364.6	382.1	387.9	408.4
50°	822.6	32.1	26.3	29.2	32.1	35.0	37.9	46.7	46.7	58.3
52.5°	895.5	29.2	17.5	11.7	11.7	8.8	5.8	5.8	5.8	8.8
55°	977.2	32.1	17.5	11.7	8.8	8.8	2.9	2.9	2.9	2.9
57.5°	1047.2	29.2	14.6	11.7	8.8	5.8	0.0	0.0	0.0	0.0
60°	1123.0	32.1	17.5	11.7	8.8	5.8	0.0	0.0	0.0	0.0
62.5°	1190.1	32.1	17.5	11.7	8.8	2.9	0.0	0.0	0.0	0.0
65°	1286.3	35.0	17.5	11.7	5.8	0.0	0.0	0.0	0.0	0.0
67.5°	1303.8	35.0	17.5	8.8	2.9	0.0	0.0	0.0	0.0	0.0
70°	1163.8	29.2	11.7	5.8	2.9	0.0	0.0	0.0	0.0	0.0
72.5°	1000.5	17.5	8.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	805.1	14.6	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	539.6	11.7	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	242.1	8.8	2.9	2.9	0.0	0.0	2.9	2.9	0.0	0.0
82.5°	52.5	5.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.0	5.8	2.9	2.9	0.0	0.0	2.9	2.9	0.0	0.0
87.5°	32.1	2.9	2.9	2.9	0.0	0.0	0.0	2.9	0.0	0.0
90°	32.1	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	37.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	35.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	26.3	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	17.5	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	8.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	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°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	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°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.9	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°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.9	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°	2.9	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°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	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)