

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: P692017

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-8027-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692017
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-C01HO-D-U-T5R-8027-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6726 lumens
Efficiency: N/A
Efficacy: 85.1 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): 79
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



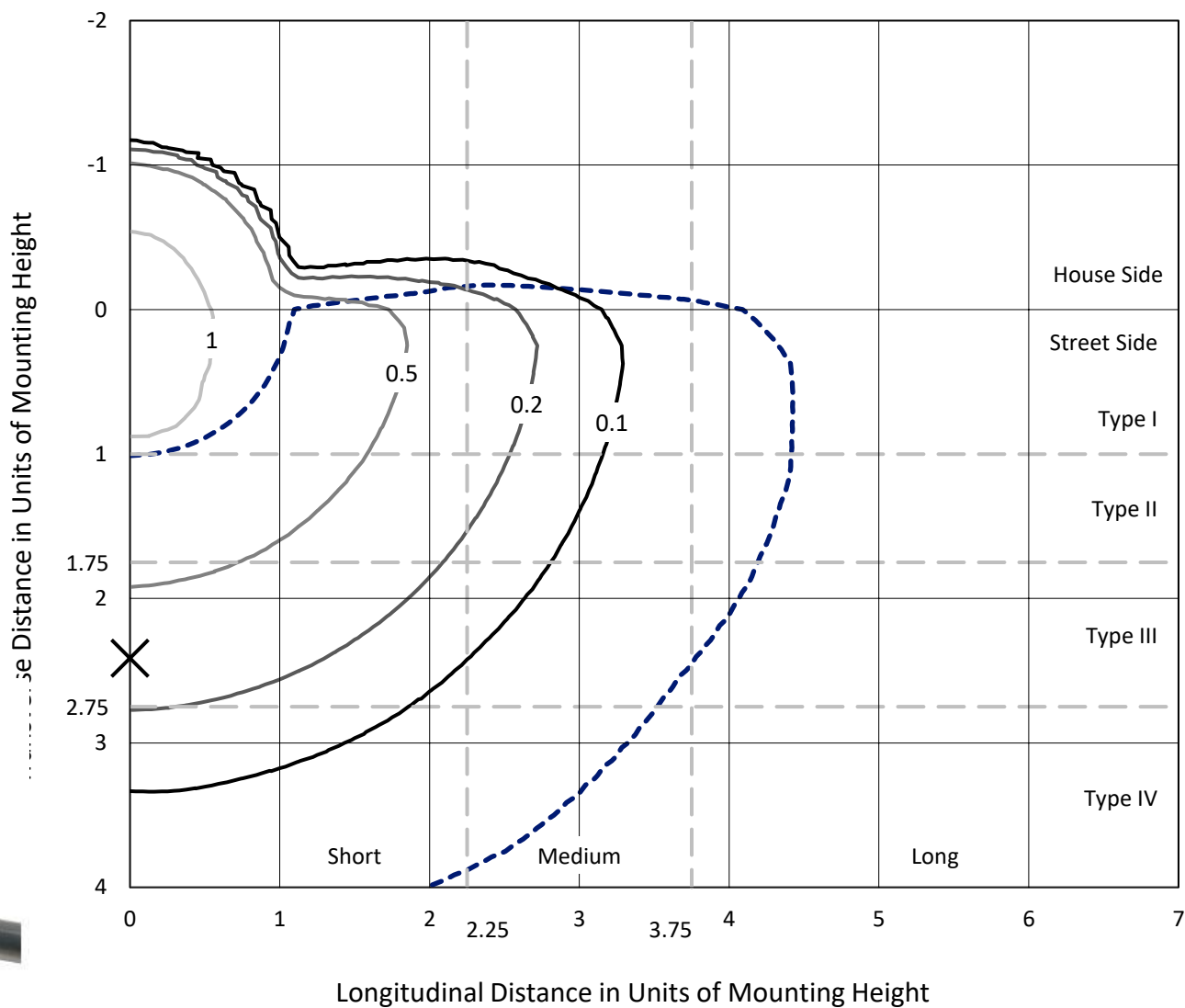
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

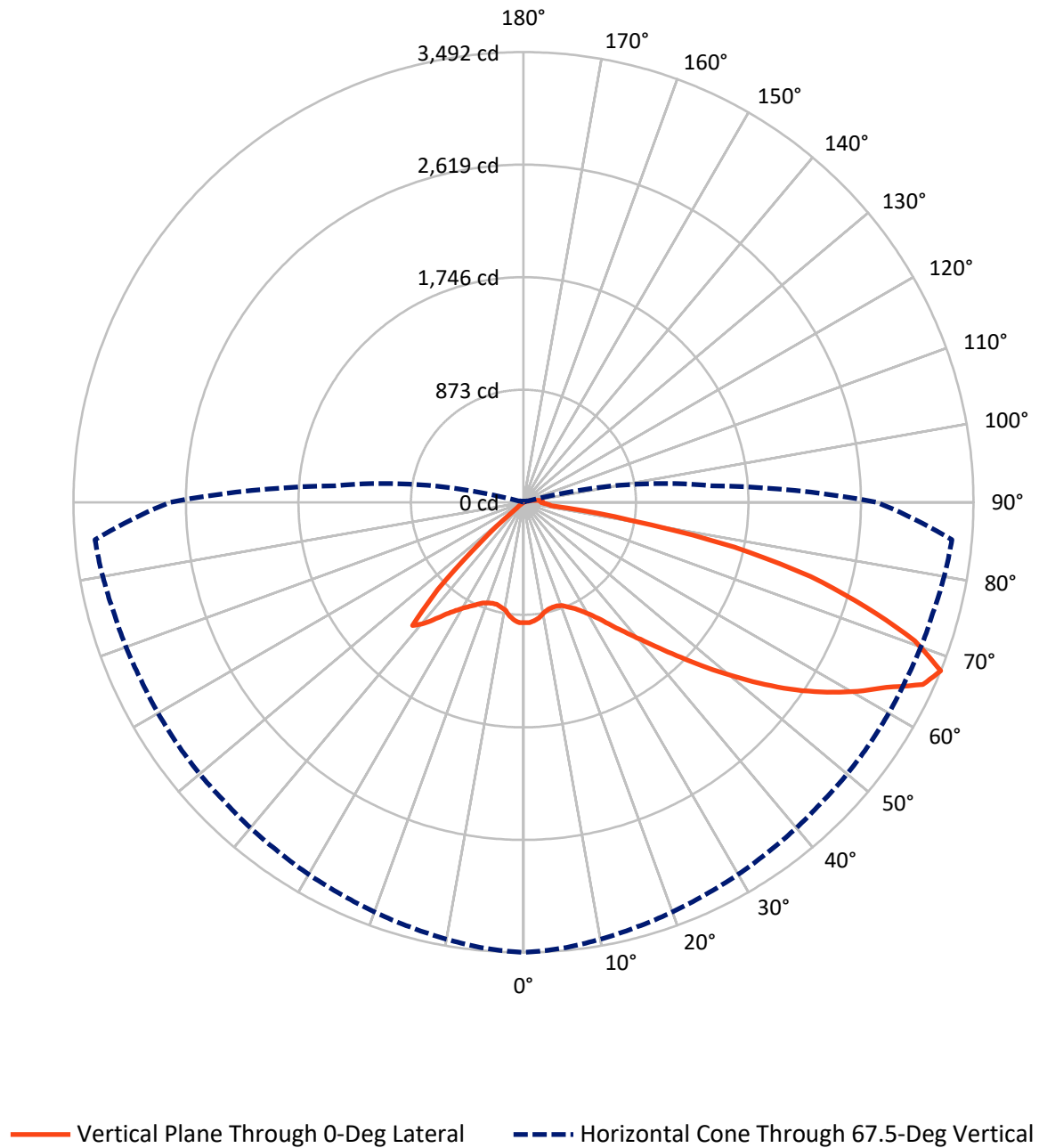


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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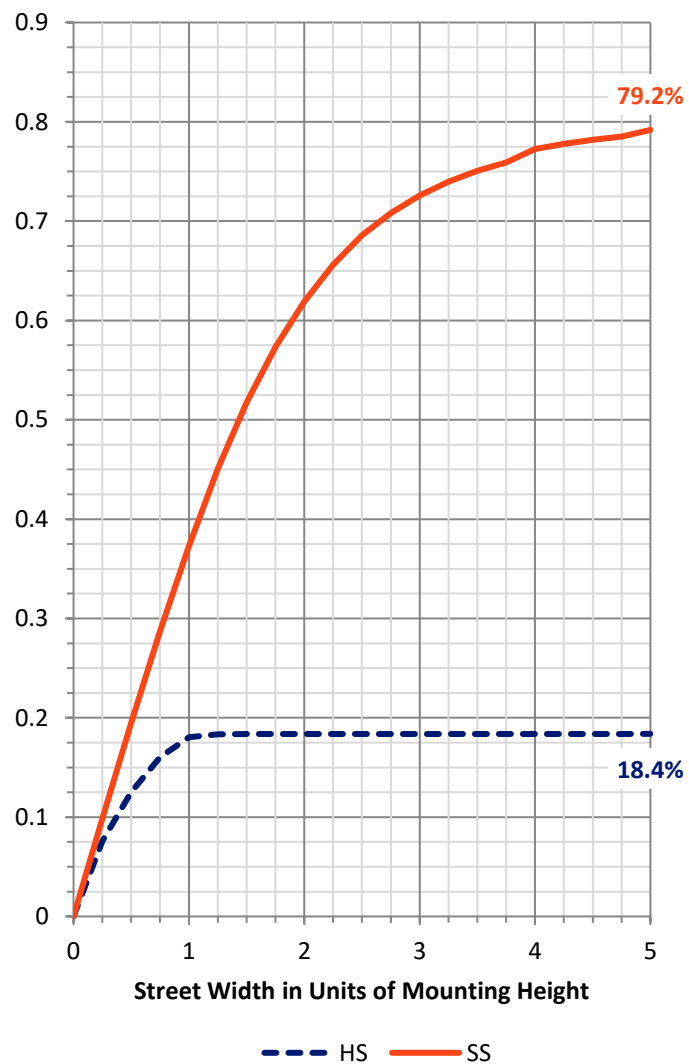
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1244.0	5.0	1249.0
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	5383.6	93.5	5477.0
	% Fixture	80.0	1.4	81.4
Total	Lumens	6627.6	98.5	6726.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	1.3
10°-20°	232.3	3.5
20°-30°	409.3	6.1
30°-40°	699.6	10.4
40°-50°	961.4	14.3
50°-60°	1188.3	17.7
60°-70°	1660.6	24.7
70°-80°	1213.0	18.0
80°-90°	178.1	2.6
90°-100°	78.5	1.2
100°-110°	17.9	0.3
110°-120°	1.1	0.0
120°-130°	0.3	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°	6627.6	98.5
0°-180°	6726.0	100.0

Coefficient of Utilization



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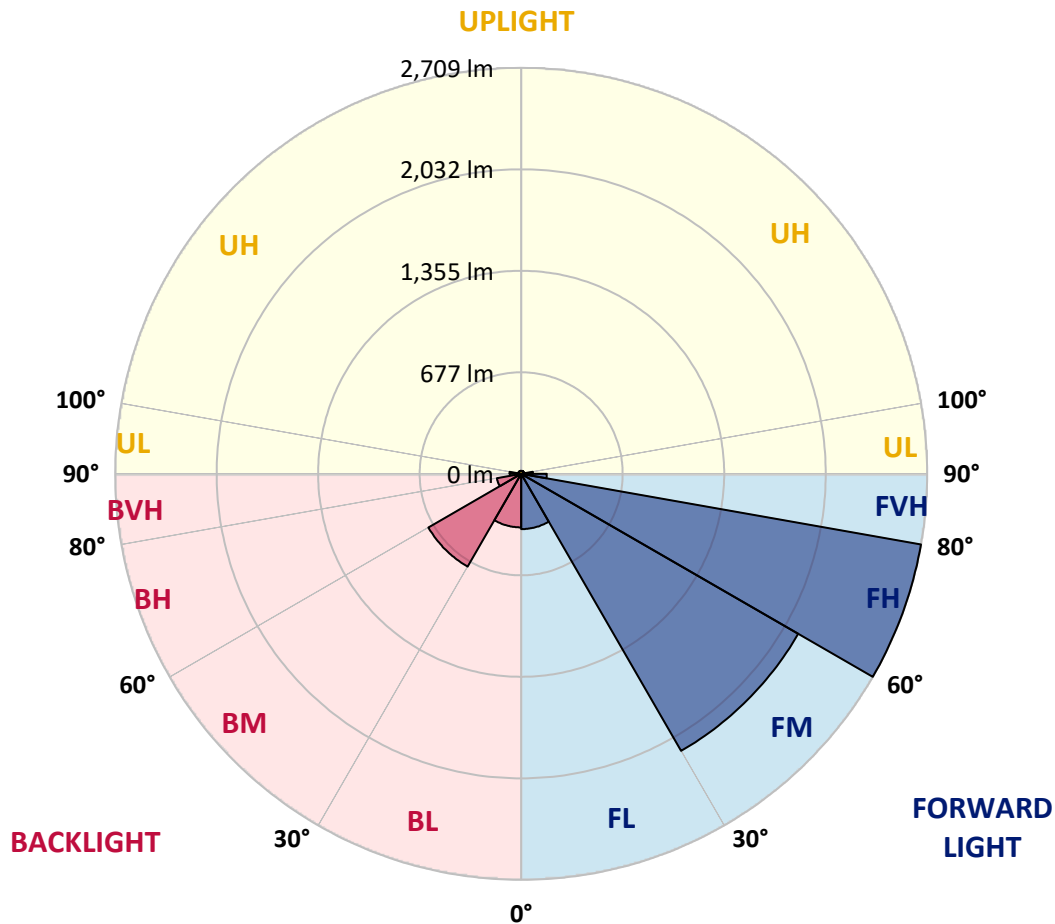
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.9	5.5			
FM	(30°-60°)	2134.5	31.7			
FH	(60°-80°)	2709.0	40.3			G2/5000
FVH	(80°-90°)	171.2	2.5			G2/225
BL	(0°-30°)	357.7	5.3	B1/500		
BM	(30°-60°)	714.8	10.6	B1/1000		
BH	(60°-80°)	164.6	2.4	B1/500		G1/500
BVH	(80°-90°)	6.9	0.1			G0/10
UL	(90°-100°)	78.5	1.2		U3/500	
UH	(100°-180°)	20.0	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°	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8
2.5°	933.8	933.8	933.8	933.8	937.1	933.8	930.5	923.9	923.9	923.9	923.9
5°	920.6	920.6	923.9	923.9	920.6	917.3	910.7	910.7	907.5	907.5	907.5
7.5°	900.9	900.9	900.9	904.2	897.6	887.7	884.4	881.2	877.9	874.6	871.3
10°	871.3	871.3	871.3	868.0	861.4	851.6	845.0	838.4	838.4	835.1	831.8
12.5°	851.6	851.6	851.6	848.3	838.4	831.8	822.0	815.4	812.1	812.1	808.8
15°	845.0	845.0	845.0	841.7	831.8	825.3	815.4	808.8	802.2	799.0	795.7
17.5°	845.0	845.0	845.0	838.4	835.1	825.3	815.4	808.8	805.5	802.2	799.0
20°	854.9	858.1	854.9	851.6	841.7	835.1	825.3	815.4	812.1	812.1	808.8
22.5°	881.2	877.9	877.9	874.6	864.7	854.9	848.3	841.7	835.1	835.1	831.8
25°	910.7	914.0	914.0	907.5	900.9	891.0	881.2	871.3	868.0	864.7	861.4
27.5°	953.5	953.5	956.8	950.2	940.3	933.8	923.9	917.3	910.7	904.2	900.9
30°	1006.1	1009.4	1009.4	1002.8	992.9	979.8	973.2	963.4	953.5	953.5	943.6
32.5°	1075.1	1081.7	1078.4	1071.9	1062.0	1048.8	1042.3	1032.4	1025.8	1016.0	1009.4
35°	1170.5	1173.8	1170.5	1163.9	1147.5	1134.3	1127.7	1121.2	1114.6	1101.4	1088.3
37.5°	1275.7	1279.0	1282.3	1275.7	1256.0	1236.2	1229.7	1219.8	1216.5	1200.1	1193.5
40°	1397.4	1403.9	1400.6	1390.8	1374.3	1354.6	1351.3	1341.5	1331.6	1321.7	1305.3
42.5°	1545.3	1545.3	1542.0	1535.4	1522.3	1499.3	1492.7	1482.8	1476.3	1456.5	1430.2
45°	1716.3	1719.6	1709.7	1699.8	1696.6	1676.8	1660.4	1650.5	1630.8	1607.8	1578.2
47.5°	1916.8	1913.6	1900.4	1890.5	1887.3	1870.8	1857.7	1837.9	1811.6	1785.3	1729.4
50°	2124.0	2124.0	2101.0	2091.1	2097.7	2074.7	2058.2	2035.2	2008.9	1982.6	1900.4
52.5°	2347.6	2337.7	2314.7	2318.0	2308.1	2285.1	2265.4	2248.9	2222.6	2199.6	2068.1
55°	2571.1	2558.0	2521.8	2525.1	2508.7	2482.4	2469.2	2449.5	2442.9	2416.6	2229.2
57.5°	2778.3	2761.8	2722.4	2719.1	2705.9	2676.3	2669.8	2646.8	2630.3	2617.2	2350.8
60°	2978.8	2962.4	2926.2	2913.1	2886.8	2857.2	2860.5	2847.3	2837.5	2824.3	2485.7
62.5°	3159.7	3139.9	3107.1	3080.8	3044.6	3018.3	3021.6	3015.0	3021.6	3018.3	2600.7
65°	3406.3	3386.5	3337.2	3291.2	3238.6	3199.1	3195.8	3205.7	3274.7	3281.3	2778.3
67.5°	3491.7	3472.0	3409.5	3353.7	3310.9	3281.3	3274.7	3271.5	3291.2	3337.2	2742.1
70°	3222.1	3209.0	3149.8	3110.4	3067.6	3047.9	3028.2	3038.0	3057.7	3054.5	2515.2
72.5°	2781.6	2853.9	2778.3	2742.1	2732.2	2679.6	2692.8	2682.9	2696.1	2692.8	2235.8
75°	2301.5	2281.8	2265.4	2327.8	2281.8	2242.3	2265.4	2288.4	2311.4	2285.1	1959.6
77.5°	1673.5	1686.7	1680.1	1703.1	1745.9	1726.1	1713.0	1768.9	1778.8	1690.0	1522.3
80°	841.7	894.3	910.7	950.2	973.2	930.5	894.3	973.2	960.1	858.1	772.7
82.5°	220.3	223.6	256.5	302.5	309.1	302.5	309.1	302.5	263.0	167.7	141.4
85°	184.1	184.1	226.9	276.2	286.0	272.9	272.9	256.5	203.8	105.2	85.5
87.5°	151.2	157.8	203.8	249.9	256.5	243.3	240.0	220.3	177.5	92.1	72.3
90°	134.8	141.4	184.1	223.6	226.9	213.7	210.4	197.3	161.1	92.1	72.3
92.5°	148.0	151.2	180.8	203.8	203.8	194.0	190.7	180.8	157.8	115.1	88.8
95°	131.5	134.8	148.0	157.8	154.5	144.7	151.2	141.4	131.5	108.5	82.2
97.5°	108.5	111.8	115.1	115.1	111.8	105.2	111.8	108.5	101.9	88.8	65.8
100°	82.2	82.2	82.2	85.5	82.2	78.9	82.2	75.6	72.3	62.5	46.0
102.5°	55.9	55.9	55.9	55.9	55.9	55.9	55.9	49.3	46.0	39.5	26.3
105°	32.9	32.9	29.6	32.9	32.9	29.6	29.6	26.3	19.7	16.4	9.9
107.5°	13.2	13.2	9.9	9.9	9.9	9.9	6.6	3.3	3.3	3.3	3.3
110°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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	3.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3
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	3.3	3.3	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
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°	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8
2.5°	923.9	923.9	923.9	923.9	923.9	923.9	927.2	930.5	933.8	933.8
5°	907.5	907.5	907.5	904.2	907.5	910.7	914.0	914.0	917.3	917.3
7.5°	874.6	871.3	871.3	871.3	874.6	881.2	881.2	884.4	887.7	887.7
10°	831.8	831.8	831.8	831.8	835.1	841.7	841.7	848.3	848.3	848.3
12.5°	808.8	808.8	805.5	802.2	808.8	808.8	818.7	822.0	825.3	831.8
15°	795.7	792.4	795.7	795.7	799.0	802.2	805.5	812.1	815.4	818.7
17.5°	795.7	795.7	795.7	799.0	802.2	802.2	805.5	812.1	815.4	818.7
20°	808.8	808.8	805.5	805.5	808.8	808.8	815.4	822.0	825.3	828.6
22.5°	828.6	825.3	825.3	822.0	825.3	828.6	835.1	841.7	841.7	841.7
25°	854.9	851.6	851.6	851.6	858.1	858.1	864.7	871.3	871.3	871.3
27.5°	897.6	891.0	887.7	887.7	887.7	891.0	897.6	900.9	904.2	904.2
30°	933.8	927.2	923.9	920.6	923.9	927.2	933.8	940.3	940.3	940.3
32.5°	999.5	983.1	973.2	976.5	976.5	979.8	986.4	986.4	989.7	989.7
35°	1075.1	1058.7	1042.3	1045.6	1045.6	1048.8	1048.8	1048.8	1055.4	1048.8
37.5°	1170.5	1144.2	1131.0	1134.3	1127.7	1127.7	1127.7	1127.7	1124.5	1131.0
40°	1272.4	1233.0	1219.8	1223.1	1219.8	1216.5	1216.5	1219.8	1216.5	1219.8
42.5°	1256.0	1091.6	1131.0	1177.1	1209.9	1233.0	1259.3	1272.4	1272.4	1285.6
45°	1098.2	647.7	693.7	756.2	808.8	864.7	891.0	910.7	923.9	950.2
47.5°	953.5	233.4	266.3	309.1	365.0	365.0	411.0	430.7	437.3	460.3
50°	927.2	36.2	29.6	32.9	36.2	39.5	42.7	52.6	52.6	65.8
52.5°	1009.4	32.9	19.7	13.2	13.2	9.9	6.6	6.6	6.6	9.9
55°	1101.4	36.2	19.7	13.2	9.9	9.9	3.3	3.3	3.3	3.3
57.5°	1180.4	32.9	16.4	13.2	9.9	6.6	0.0	0.0	0.0	0.0
60°	1265.8	36.2	19.7	13.2	9.9	6.6	0.0	0.0	0.0	0.0
62.5°	1341.5	36.2	19.7	13.2	9.9	3.3	0.0	0.0	0.0	0.0
65°	1450.0	39.5	19.7	13.2	6.6	0.0	0.0	0.0	0.0	0.0
67.5°	1469.7	39.5	19.7	9.9	3.3	0.0	0.0	0.0	0.0	0.0
70°	1311.9	32.9	13.2	6.6	3.3	0.0	0.0	0.0	0.0	0.0
72.5°	1127.7	19.7	9.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	907.5	16.4	6.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	608.3	13.2	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	272.9	9.9	3.3	3.3	0.0	0.0	3.3	3.3	0.0	0.0
82.5°	59.2	6.6	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.5	6.6	3.3	3.3	0.0	0.0	3.3	3.3	0.0	0.0
87.5°	36.2	3.3	3.3	3.3	0.0	0.0	0.0	3.3	0.0	0.0
90°	36.2	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	42.7	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	39.5	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	29.6	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	19.7	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	9.9	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	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°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	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°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	3.3	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°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	3.3	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°	3.3	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°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	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	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.3	3.3	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)