

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: P690984

Luminaire Tested: **CRTK2-C01-D-U-T5R-7030-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690984
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-7030-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5728.9 lumens
Efficiency: N/A
Efficacy: 93.9 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



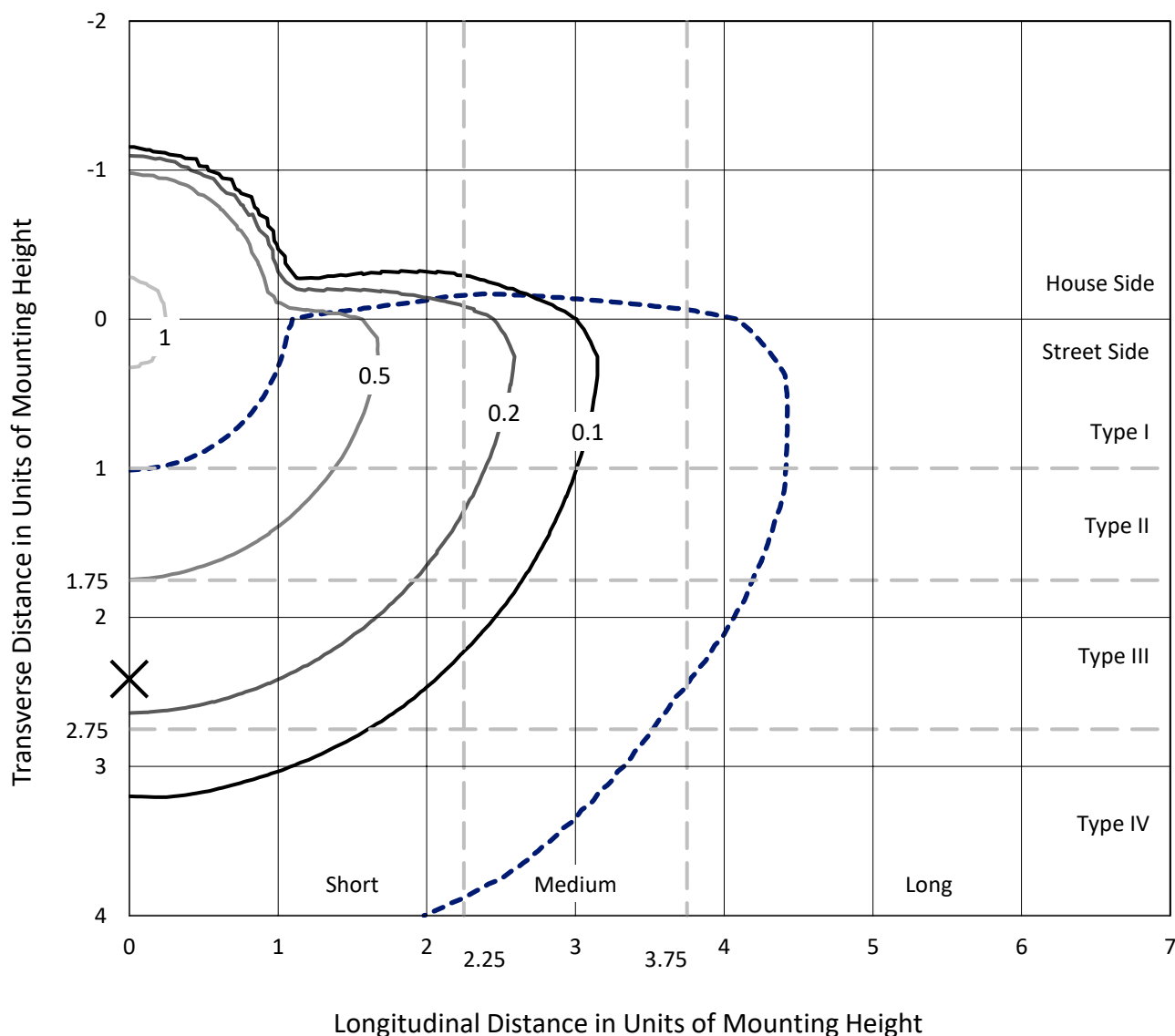
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

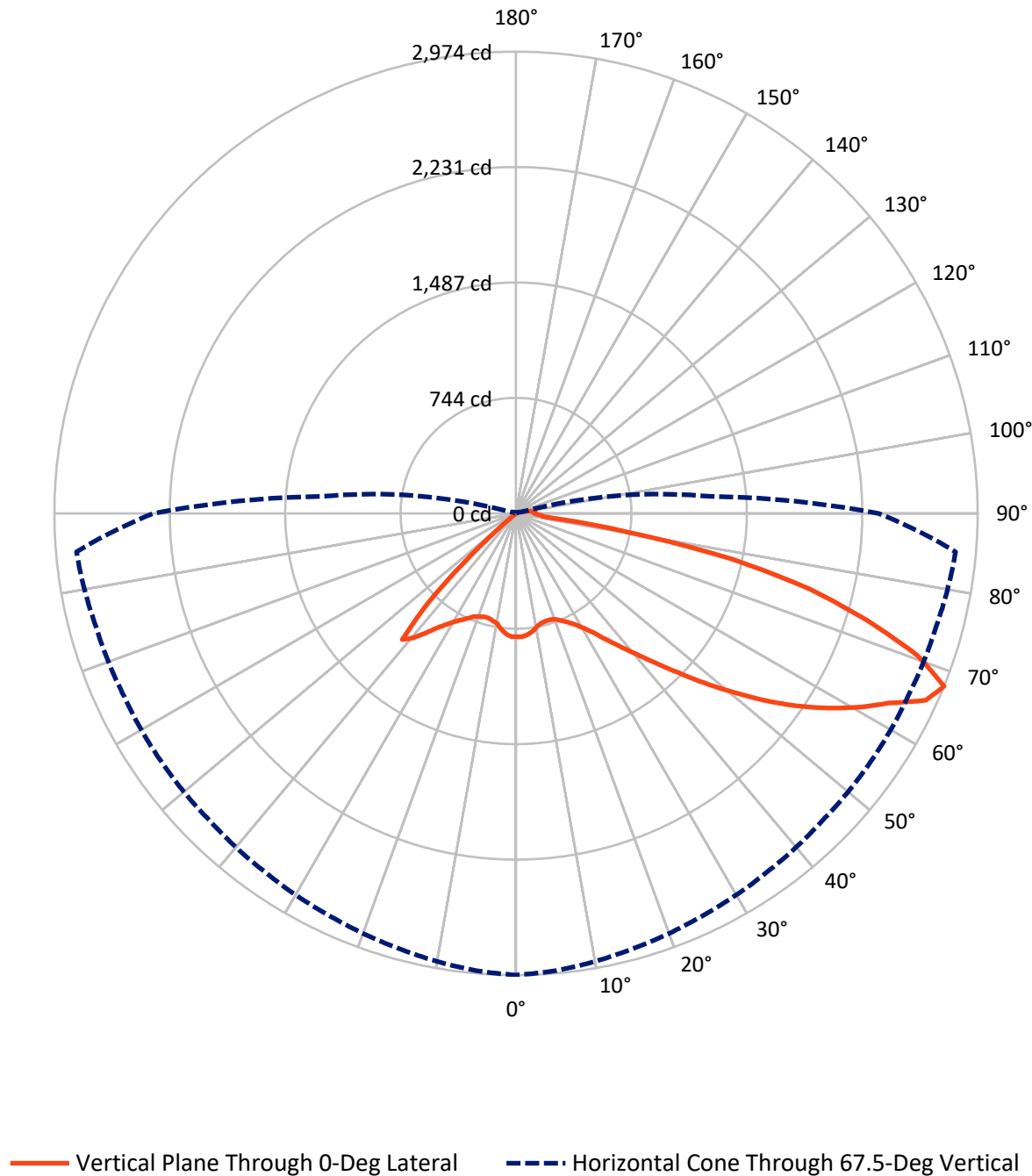


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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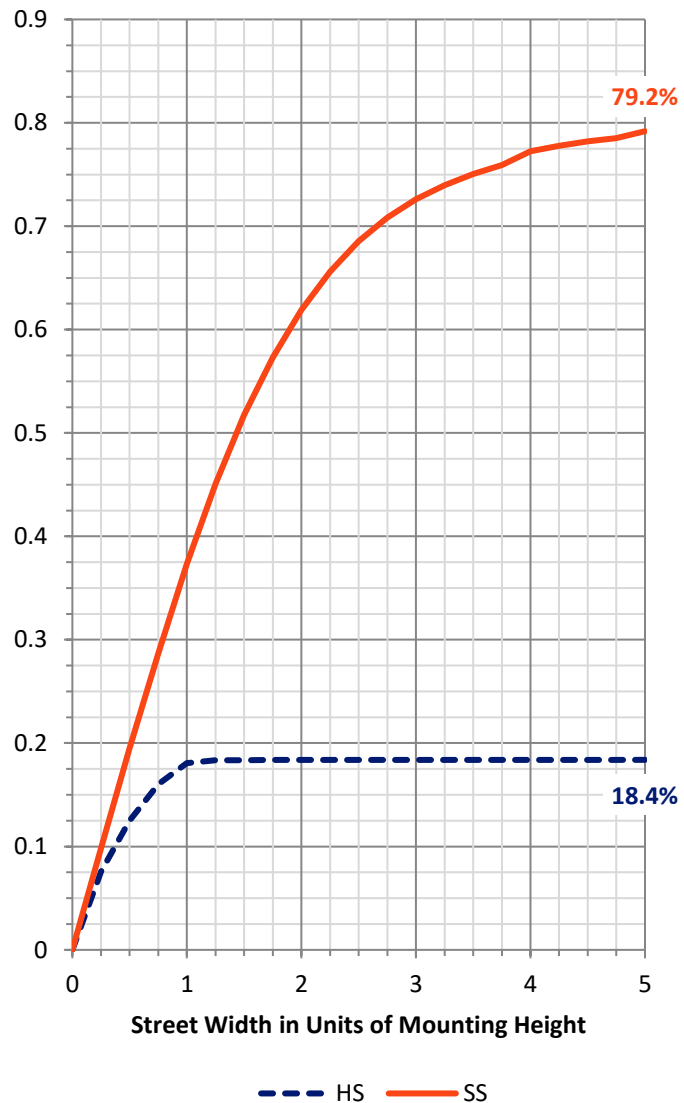
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1059.6	4.3	1063.8
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	4585.5	79.6	4665.1
	% Fixture	80.0	1.4	81.4
Total	Lumens	5645.1	83.9	5728.9
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	1.3
10°-20°	197.9	3.5
20°-30°	348.6	6.1
30°-40°	595.9	10.4
40°-50°	818.9	14.3
50°-60°	1012.1	17.7
60°-70°	1414.5	24.7
70°-80°	1033.2	18.0
80°-90°	151.7	2.6
90°-100°	66.9	1.2
100°-110°	15.3	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°	5645.1	98.5
0°-180°	5728.9	100.0

Coefficient of Utilization



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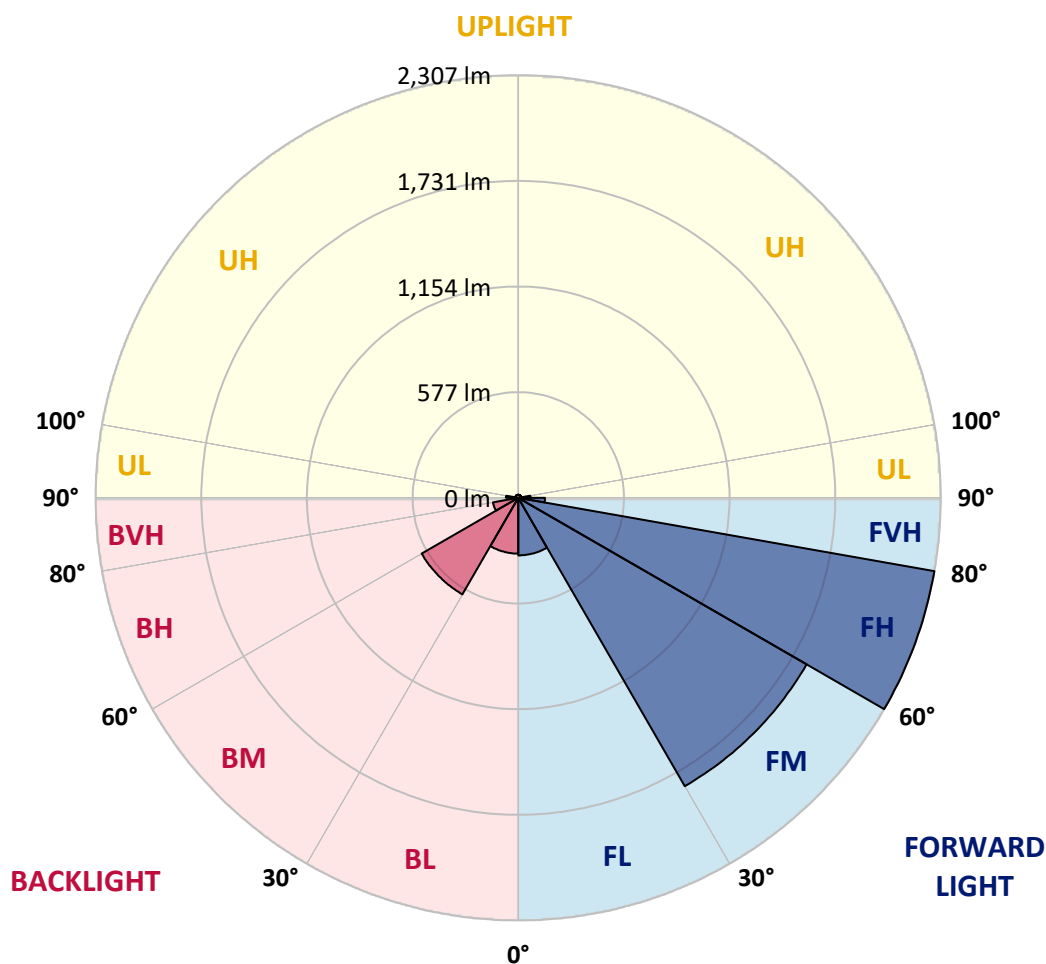
CATALOG NUMBER: CRTK2-C01-D-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	314.2	5.5			
FM	(30°-60°)	1818.1	31.7			
FH	(60°-80°)	2307.5	40.3			G2/5000
FVH	(80°-90°)	145.8	2.5			G2/225
BL	(0°-30°)	304.6	5.3	B1/500		
BM	(30°-60°)	608.8	10.6	B1/1000		
BH	(60°-80°)	140.2	2.4	B1/500		G1/500
BVH	(80°-90°)	5.9	0.1			G0/10
UL	(90°-100°)	66.9	1.2		U3/500	
UH	(100°-180°)	17.0	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°	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4
2.5°	795.4	795.4	795.4	795.4	798.2	795.4	792.5	786.9	786.9	786.9	786.9
5°	784.1	784.1	786.9	786.9	784.1	781.3	775.7	775.7	772.9	772.9	772.9
7.5°	767.3	767.3	767.3	770.1	764.5	756.1	753.3	750.5	747.7	744.9	742.1
10°	742.1	742.1	742.1	739.3	733.7	725.3	719.7	714.1	714.1	711.3	708.5
12.5°	725.3	725.3	725.3	722.5	714.1	708.5	700.1	694.5	691.7	691.7	688.9
15°	719.7	719.7	719.7	716.9	708.5	702.9	694.5	688.9	683.3	680.5	677.7
17.5°	719.7	719.7	719.7	714.1	711.3	702.9	694.5	688.9	686.1	683.3	680.5
20°	728.1	730.9	728.1	725.3	716.9	711.3	702.9	694.5	691.7	691.7	688.9
22.5°	750.5	747.7	747.7	744.9	736.5	728.1	722.5	716.9	711.3	711.3	708.5
25°	775.7	778.5	778.5	772.9	767.3	758.9	750.5	742.1	739.3	736.5	733.7
27.5°	812.2	812.2	815.0	809.4	801.0	795.4	786.9	781.3	775.7	770.1	767.3
30°	857.0	859.8	859.8	854.2	845.8	834.6	829.0	820.6	812.2	812.2	803.8
32.5°	915.8	921.4	918.6	913.0	904.6	893.4	887.8	879.4	873.8	865.4	859.8
35°	997.0	999.8	997.0	991.4	977.4	966.2	960.6	955.0	949.4	938.2	927.0
37.5°	1086.6	1089.4	1092.2	1086.6	1069.8	1053.0	1047.4	1039.0	1036.2	1022.2	1016.6
40°	1190.2	1195.8	1193.0	1184.6	1170.6	1153.8	1151.0	1142.6	1134.2	1125.8	1111.8
42.5°	1316.2	1316.2	1313.4	1307.8	1296.6	1277.0	1271.4	1263.0	1257.4	1240.6	1218.2
45°	1461.9	1464.7	1456.3	1447.9	1445.1	1428.3	1414.3	1405.9	1389.1	1369.5	1344.3
47.5°	1632.7	1629.9	1618.7	1610.3	1607.5	1593.5	1582.3	1565.5	1543.1	1520.7	1473.1
50°	1809.1	1809.1	1789.5	1781.1	1786.7	1767.1	1753.1	1733.5	1711.1	1688.7	1618.7
52.5°	1999.6	1991.2	1971.6	1974.4	1966.0	1946.4	1929.6	1915.6	1893.2	1873.6	1761.5
55°	2190.0	2178.8	2148.0	2150.8	2136.8	2114.4	2103.2	2086.4	2080.8	2058.4	1898.8
57.5°	2366.4	2352.4	2318.8	2316.0	2304.8	2279.6	2274.0	2254.4	2240.4	2229.2	2002.4
60°	2537.3	2523.3	2492.5	2481.3	2458.9	2433.7	2436.5	2425.3	2416.9	2405.7	2117.2
62.5°	2691.3	2674.5	2646.5	2624.1	2593.3	2570.9	2573.7	2568.1	2573.7	2570.9	2215.2
65°	2901.3	2884.5	2842.5	2803.3	2758.5	2724.9	2722.1	2730.5	2789.3	2794.9	2366.4
67.5°	2974.2	2957.4	2904.1	2856.5	2820.1	2794.9	2789.3	2786.5	2803.3	2842.5	2335.6
70°	2744.5	2733.3	2682.9	2649.3	2612.9	2596.1	2579.3	2587.7	2604.5	2601.7	2142.4
72.5°	2369.2	2430.9	2366.4	2335.6	2327.2	2282.4	2293.6	2285.2	2296.4	2293.6	1904.4
75°	1960.4	1943.6	1929.6	1982.8	1943.6	1910.0	1929.6	1949.2	1968.8	1946.4	1669.1
77.5°	1425.5	1436.7	1431.1	1450.7	1487.1	1470.3	1459.1	1506.7	1515.1	1439.5	1296.6
80°	716.9	761.7	775.7	809.4	829.0	792.5	761.7	829.0	817.8	730.9	658.1
82.5°	187.6	190.4	218.4	257.6	263.2	257.6	263.2	257.6	224.0	142.8	120.4
85°	156.8	156.8	193.2	235.2	243.6	232.4	232.4	218.4	173.6	89.6	72.8
87.5°	128.8	134.4	173.6	212.8	218.4	207.2	204.4	187.6	151.2	78.4	61.6
90°	114.8	120.4	156.8	190.4	193.2	182.0	179.2	168.0	137.2	78.4	61.6
92.5°	126.0	128.8	154.0	173.6	173.6	165.2	162.4	154.0	134.4	98.0	75.6
95°	112.0	114.8	126.0	134.4	131.6	123.2	128.8	120.4	112.0	92.4	70.0
97.5°	92.4	95.2	98.0	98.0	95.2	89.6	95.2	92.4	86.8	75.6	56.0
100°	70.0	70.0	70.0	72.8	70.0	67.2	70.0	64.4	61.6	53.2	39.2
102.5°	47.6	47.6	47.6	47.6	47.6	47.6	47.6	42.0	39.2	33.6	22.4
105°	28.0	28.0	25.2	28.0	28.0	25.2	25.2	22.4	16.8	14.0	8.4
107.5°	11.2	11.2	8.4	8.4	8.4	8.4	5.6	2.8	2.8	2.8	2.8
110°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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	2.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8
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	2.8	2.8	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
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°	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4
2.5°	786.9	786.9	786.9	786.9	786.9	786.9	789.7	792.5	795.4	795.4
5°	772.9	772.9	772.9	770.1	772.9	775.7	778.5	778.5	781.3	781.3
7.5°	744.9	742.1	742.1	742.1	744.9	750.5	750.5	753.3	756.1	756.1
10°	708.5	708.5	708.5	708.5	711.3	716.9	716.9	722.5	722.5	722.5
12.5°	688.9	688.9	686.1	683.3	688.9	688.9	697.3	700.1	702.9	708.5
15°	677.7	674.9	677.7	677.7	680.5	683.3	686.1	691.7	694.5	697.3
17.5°	677.7	677.7	677.7	680.5	683.3	683.3	686.1	691.7	694.5	697.3
20°	688.9	688.9	686.1	686.1	688.9	688.9	694.5	700.1	702.9	705.7
22.5°	705.7	702.9	702.9	700.1	702.9	705.7	711.3	716.9	716.9	716.9
25°	728.1	725.3	725.3	725.3	730.9	730.9	736.5	742.1	742.1	742.1
27.5°	764.5	758.9	756.1	756.1	756.1	758.9	764.5	767.3	770.1	770.1
30°	795.4	789.7	786.9	784.1	786.9	789.7	795.4	801.0	801.0	801.0
32.5°	851.4	837.4	829.0	831.8	831.8	834.6	840.2	840.2	843.0	843.0
35°	915.8	901.8	887.8	890.6	890.6	893.4	893.4	893.4	899.0	893.4
37.5°	997.0	974.6	963.4	966.2	960.6	960.6	960.6	960.6	957.8	963.4
40°	1083.8	1050.2	1039.0	1041.8	1039.0	1036.2	1036.2	1039.0	1036.2	1039.0
42.5°	1069.8	929.8	963.4	1002.6	1030.6	1050.2	1072.6	1083.8	1083.8	1095.0
45°	935.4	551.7	590.9	644.1	688.9	736.5	758.9	775.7	786.9	809.4
47.5°	812.2	198.8	226.8	263.2	310.9	310.9	350.1	366.9	372.5	392.1
50°	789.7	30.8	25.2	28.0	30.8	33.6	36.4	44.8	44.8	56.0
52.5°	859.8	28.0	16.8	11.2	11.2	8.4	5.6	5.6	5.6	8.4
55°	938.2	30.8	16.8	11.2	8.4	8.4	2.8	2.8	2.8	2.8
57.5°	1005.4	28.0	14.0	11.2	8.4	5.6	0.0	0.0	0.0	0.0
60°	1078.2	30.8	16.8	11.2	8.4	5.6	0.0	0.0	0.0	0.0
62.5°	1142.6	30.8	16.8	11.2	8.4	2.8	0.0	0.0	0.0	0.0
65°	1235.0	33.6	16.8	11.2	5.6	0.0	0.0	0.0	0.0	0.0
67.5°	1251.8	33.6	16.8	8.4	2.8	0.0	0.0	0.0	0.0	0.0
70°	1117.4	28.0	11.2	5.6	2.8	0.0	0.0	0.0	0.0	0.0
72.5°	960.6	16.8	8.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	772.9	14.0	5.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	518.1	11.2	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	232.4	8.4	2.8	2.8	0.0	0.0	2.8	2.8	0.0	0.0
82.5°	50.4	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	33.6	5.6	2.8	2.8	0.0	0.0	2.8	2.8	0.0	0.0
87.5°	30.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	0.0	0.0
90°	30.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	36.4	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	33.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	25.2	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	16.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	8.4	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	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°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	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°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.8	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°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.8	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°	2.8	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°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.8	2.8	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	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.8	2.8	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)