

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: P691090

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7050-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691090
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-C013-5TLD-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: 2446 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 23.2
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

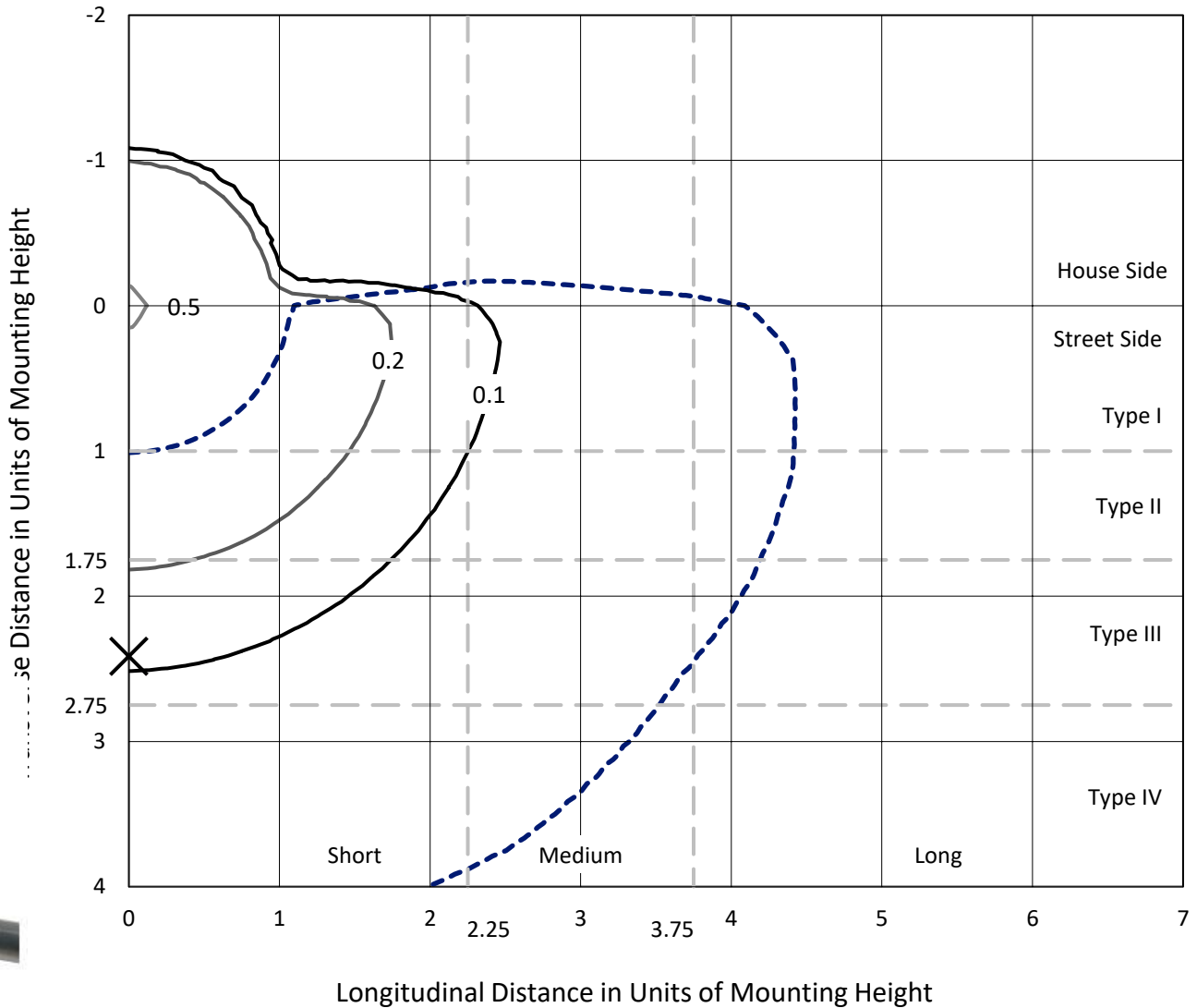


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Iso-Footcandle Lines of Horizontal Illumination

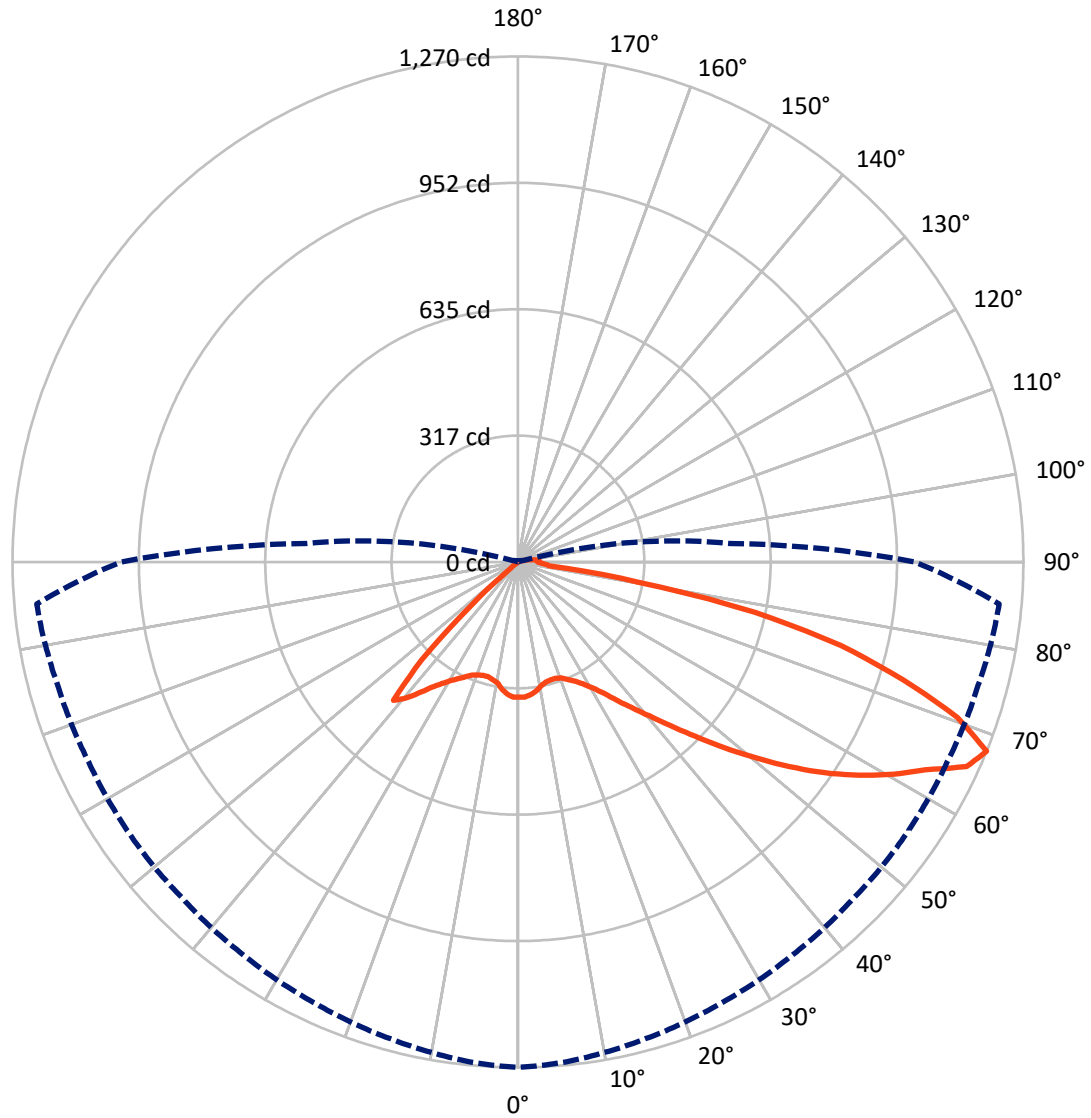
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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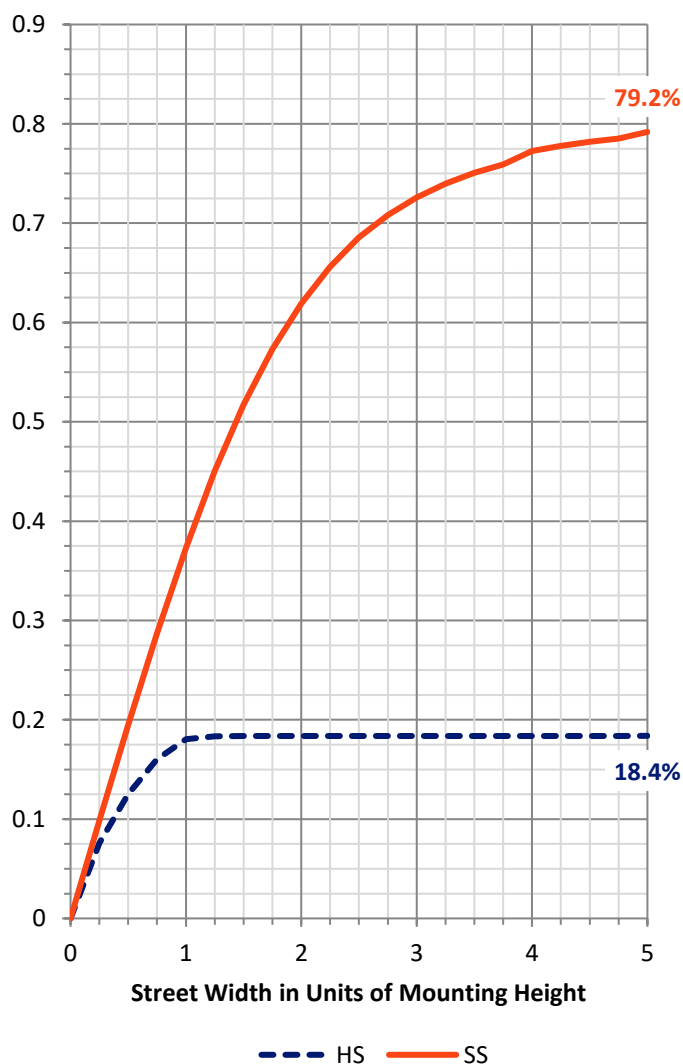
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	452.4	1.8	454.2
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	1957.8	34.0	1991.8
	% Fixture	80.0	1.4	81.4
Total	Lumens	2410.2	35.8	2446.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.9	1.3
10°-20°	84.5	3.5
20°-30°	148.8	6.1
30°-40°	254.4	10.4
40°-50°	349.6	14.3
50°-60°	432.1	17.7
60°-70°	603.9	24.7
70°-80°	441.1	18.0
80°-90°	64.8	2.6
90°-100°	28.6	1.2
100°-110°	6.5	0.3
110°-120°	0.4	0.0
120°-130°	0.1	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2410.2	98.5
0°-180°	2446.0	100.0

Coefficient of Utilization



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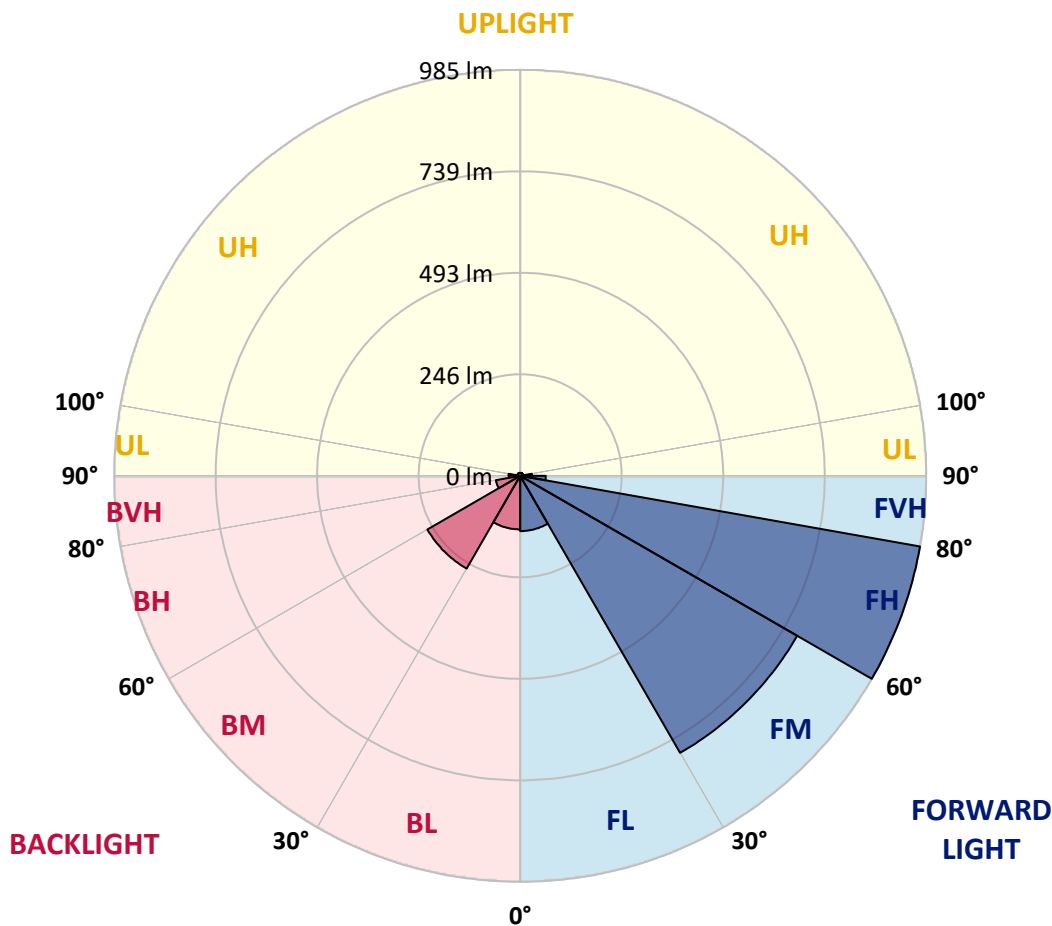
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7050-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	134.1	5.5			
FM (30°-60°)	776.2	31.7			
FH (60°-80°)	985.2	40.3			G1/1800
FVH (80°-90°)	62.3	2.5			G1/100
BL (0°-30°)	130.1	5.3	B1/500		
BM (30°-60°)	259.9	10.6	B1/1000		
BH (60°-80°)	59.9	2.4	B0/110		G0/110
BVH (80°-90°)	2.5	0.1			G0/10
UL (90°-100°)	28.6	1.2		U2/50	
UH (100°-180°)	7.3	0.3		U1/10	

BUG Rating: B1-U2-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6
2.5°	339.6	339.6	339.6	339.6	340.8	339.6	338.4	336.0	336.0	336.0	336.0
5°	334.8	334.8	336.0	336.0	334.8	333.6	331.2	331.2	330.0	330.0	330.0
7.5°	327.6	327.6	327.6	328.8	326.4	322.8	321.6	320.4	319.2	318.1	316.9
10°	316.9	316.9	316.9	315.7	313.3	309.7	307.3	304.9	304.9	303.7	302.5
12.5°	309.7	309.7	309.7	308.5	304.9	302.5	298.9	296.5	295.3	295.3	294.1
15°	307.3	307.3	307.3	306.1	302.5	300.1	296.5	294.1	291.7	290.6	289.4
17.5°	307.3	307.3	307.3	304.9	303.7	300.1	296.5	294.1	292.9	291.7	290.6
20°	310.9	312.1	310.9	309.7	306.1	303.7	300.1	296.5	295.3	295.3	294.1
22.5°	320.4	319.2	319.2	318.1	314.5	310.9	308.5	306.1	303.7	303.7	302.5
25°	331.2	332.4	332.4	330.0	327.6	324.0	320.4	316.9	315.7	314.5	313.3
27.5°	346.7	346.7	347.9	345.6	342.0	339.6	336.0	333.6	331.2	328.8	327.6
30°	365.9	367.1	367.1	364.7	361.1	356.3	353.9	350.3	346.7	346.7	343.2
32.5°	391.0	393.4	392.2	389.8	386.2	381.4	379.0	375.4	373.1	369.5	367.1
35°	425.7	426.9	425.7	423.3	417.3	412.5	410.1	407.7	405.3	400.6	395.8
37.5°	463.9	465.1	466.3	463.9	456.8	449.6	447.2	443.6	442.4	436.4	434.0
40°	508.2	510.6	509.4	505.8	499.8	492.6	491.4	487.8	484.3	480.7	474.7
42.5°	562.0	562.0	560.8	558.4	553.6	545.2	542.8	539.3	536.9	529.7	520.1
45°	624.1	625.3	621.8	618.2	617.0	609.8	603.8	600.2	593.1	584.7	573.9
47.5°	697.1	695.9	691.1	687.5	686.3	680.3	675.6	668.4	658.8	649.3	628.9
50°	772.4	772.4	764.0	760.5	762.8	754.5	748.5	740.1	730.6	721.0	691.1
52.5°	853.7	850.1	841.8	843.0	839.4	831.0	823.8	817.9	808.3	799.9	752.1
55°	935.0	930.2	917.1	918.3	912.3	902.7	898.0	890.8	888.4	878.8	810.7
57.5°	1010.4	1004.4	990.0	988.8	984.1	973.3	970.9	962.5	956.6	951.8	854.9
60°	1083.3	1077.3	1064.2	1059.4	1049.8	1039.1	1040.2	1035.5	1031.9	1027.1	903.9
62.5°	1149.1	1141.9	1129.9	1120.4	1107.2	1097.6	1098.8	1096.4	1098.8	1097.6	945.8
65°	1238.7	1231.6	1213.6	1196.9	1177.8	1163.4	1162.2	1165.8	1190.9	1193.3	1010.4
67.5°	1269.8	1262.6	1239.9	1219.6	1204.1	1193.3	1190.9	1189.7	1196.9	1213.6	997.2
70°	1171.8	1167.0	1145.5	1131.1	1115.6	1108.4	1101.2	1104.8	1112.0	1110.8	914.7
72.5°	1011.6	1037.9	1010.4	997.2	993.6	974.5	979.3	975.7	980.5	979.3	813.1
75°	837.0	829.8	823.8	846.5	829.8	815.5	823.8	832.2	840.6	831.0	712.6
77.5°	608.6	613.4	611.0	619.4	634.9	627.7	623.0	643.3	646.9	614.6	553.6
80°	306.1	325.2	331.2	345.6	353.9	338.4	325.2	353.9	349.1	312.1	281.0
82.5°	80.1	81.3	93.3	110.0	112.4	110.0	112.4	110.0	95.7	61.0	51.4
85°	67.0	67.0	82.5	100.4	104.0	99.2	99.2	93.3	74.1	38.3	31.1
87.5°	55.0	57.4	74.1	90.9	93.3	88.5	87.3	80.1	64.6	33.5	26.3
90°	49.0	51.4	67.0	81.3	82.5	77.7	76.5	71.7	58.6	33.5	26.3
92.5°	53.8	55.0	65.8	74.1	74.1	70.5	69.3	65.8	57.4	41.8	32.3
95°	47.8	49.0	53.8	57.4	56.2	52.6	55.0	51.4	47.8	39.5	29.9
97.5°	39.5	40.7	41.8	41.8	40.7	38.3	40.7	39.5	37.1	32.3	23.9
100°	29.9	29.9	29.9	31.1	29.9	28.7	29.9	27.5	26.3	22.7	16.7
102.5°	20.3	20.3	20.3	20.3	20.3	20.3	20.3	17.9	16.7	14.3	9.6
105°	12.0	12.0	10.8	12.0	12.0	10.8	10.8	9.6	7.2	6.0	3.6
107.5°	4.8	4.8	3.6	3.6	3.6	3.6	2.4	1.2	1.2	1.2	1.2
110°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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	1.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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	1.2
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	1.2	1.2	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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°	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6
2.5°	336.0	336.0	336.0	336.0	336.0	336.0	337.2	338.4	339.6	339.6
5°	330.0	330.0	330.0	328.8	330.0	331.2	332.4	332.4	333.6	333.6
7.5°	318.1	316.9	316.9	316.9	318.1	320.4	320.4	321.6	322.8	322.8
10°	302.5	302.5	302.5	302.5	303.7	306.1	306.1	308.5	308.5	308.5
12.5°	294.1	294.1	292.9	291.7	294.1	294.1	297.7	298.9	300.1	302.5
15°	289.4	288.2	289.4	289.4	290.6	291.7	292.9	295.3	296.5	297.7
17.5°	289.4	289.4	289.4	290.6	291.7	291.7	292.9	295.3	296.5	297.7
20°	294.1	294.1	292.9	292.9	294.1	294.1	296.5	298.9	300.1	301.3
22.5°	301.3	300.1	300.1	298.9	300.1	301.3	303.7	306.1	306.1	306.1
25°	310.9	309.7	309.7	309.7	312.1	312.1	314.5	316.9	316.9	316.9
27.5°	326.4	324.0	322.8	322.8	322.8	324.0	326.4	327.6	328.8	328.8
30°	339.6	337.2	336.0	334.8	336.0	337.2	339.6	342.0	342.0	342.0
32.5°	363.5	357.5	353.9	355.1	355.1	356.3	358.7	358.7	359.9	359.9
35°	391.0	385.0	379.0	380.2	380.2	381.4	381.4	381.4	383.8	381.4
37.5°	425.7	416.1	411.3	412.5	410.1	410.1	410.1	410.1	408.9	411.3
40°	462.7	448.4	443.6	444.8	443.6	442.4	442.4	443.6	442.4	443.6
42.5°	456.8	397.0	411.3	428.1	440.0	448.4	457.9	462.7	462.7	467.5
45°	399.4	235.6	252.3	275.0	294.1	314.5	324.0	331.2	336.0	345.6
47.5°	346.7	84.9	96.9	112.4	132.7	132.7	149.5	156.6	159.0	167.4
50°	337.2	13.2	10.8	12.0	13.2	14.3	15.5	19.1	19.1	23.9
52.5°	367.1	12.0	7.2	4.8	4.8	3.6	2.4	2.4	2.4	3.6
55°	400.6	13.2	7.2	4.8	3.6	3.6	1.2	1.2	1.2	1.2
57.5°	429.3	12.0	6.0	4.8	3.6	2.4	0.0	0.0	0.0	0.0
60°	460.3	13.2	7.2	4.8	3.6	2.4	0.0	0.0	0.0	0.0
62.5°	487.8	13.2	7.2	4.8	3.6	1.2	0.0	0.0	0.0	0.0
65°	527.3	14.3	7.2	4.8	2.4	0.0	0.0	0.0	0.0	0.0
67.5°	534.5	14.3	7.2	3.6	1.2	0.0	0.0	0.0	0.0	0.0
70°	477.1	12.0	4.8	2.4	1.2	0.0	0.0	0.0	0.0	0.0
72.5°	410.1	7.2	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
75°	330.0	6.0	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	221.2	4.8	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	99.2	3.6	1.2	1.2	0.0	0.0	1.2	1.2	0.0	0.0
82.5°	21.5	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.3	2.4	1.2	1.2	0.0	0.0	1.2	1.2	0.0	0.0
87.5°	13.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	0.0	0.0
90°	13.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	15.5	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	14.3	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	10.8	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	7.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.6	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.2	1.2	1.2	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°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.2	1.2	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°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.2	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°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.2	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°	1.2	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°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.2	1.2	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	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.2	1.2	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)