

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: P691359

Luminaire Tested: **CRTK2-C015-D-U-T5R-7040-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691359
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-C015-D-U-T5R-7040-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2999 lumens
Efficiency: N/A
Efficacy: 100.3 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): 29.9
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

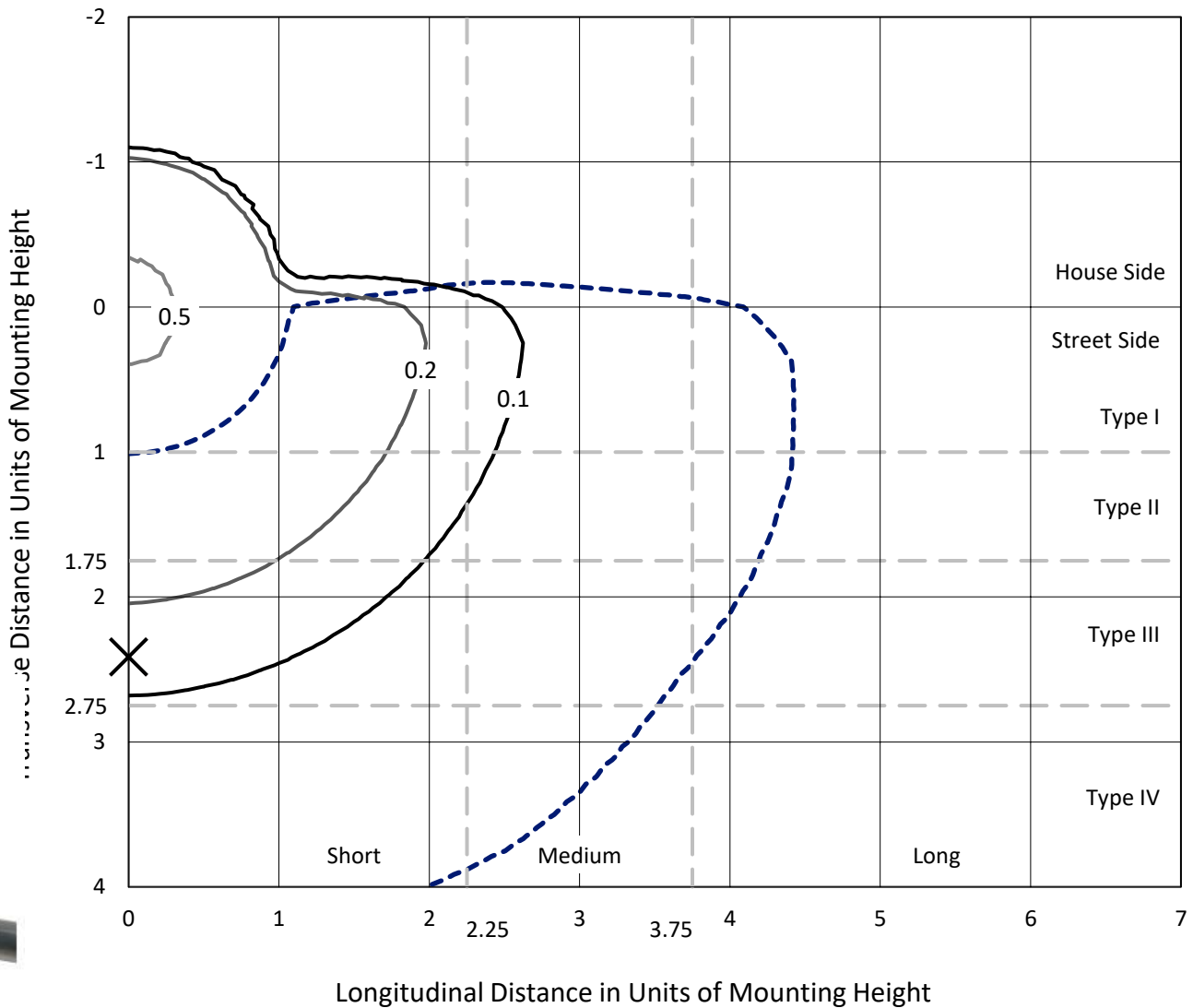


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

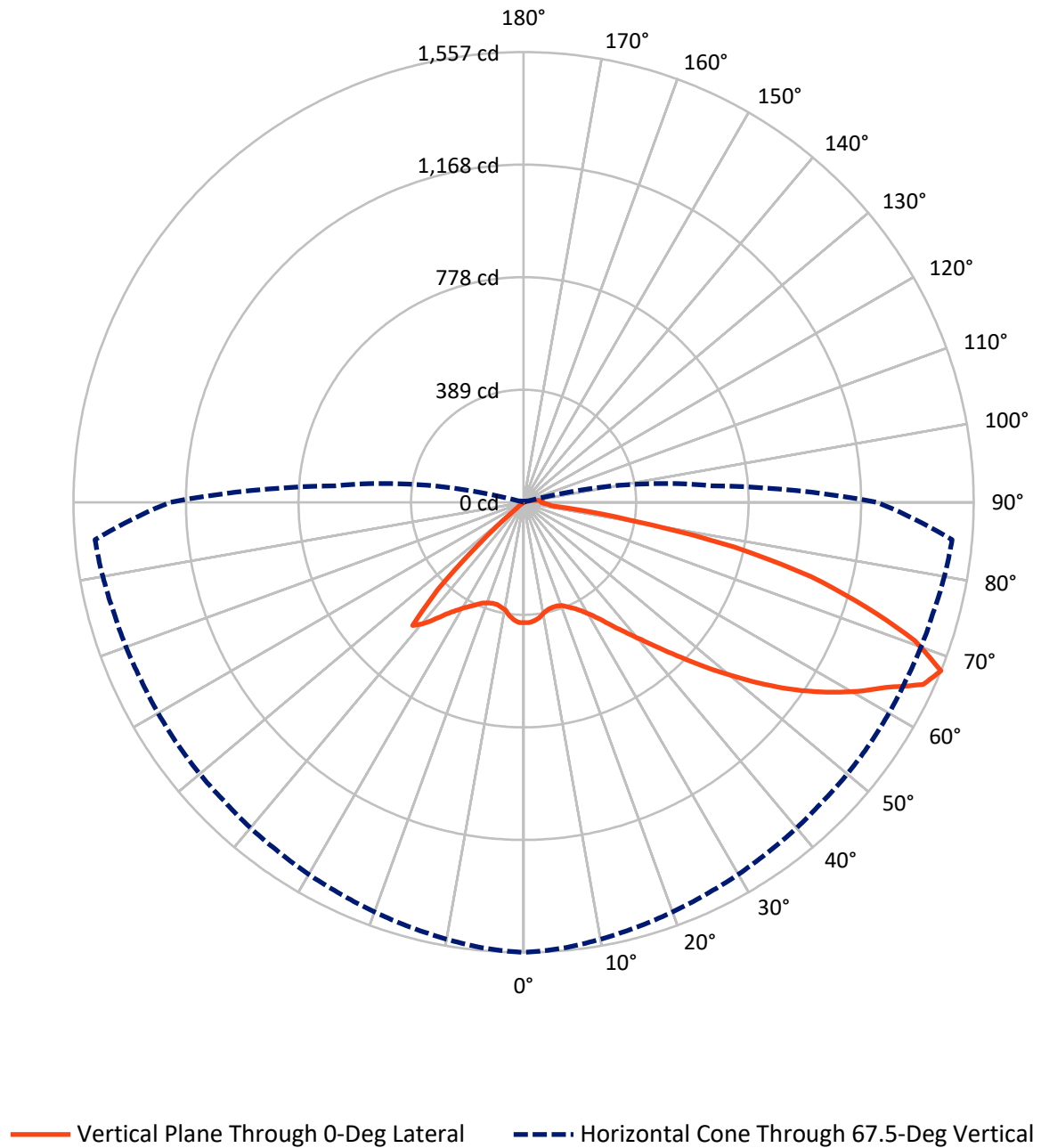


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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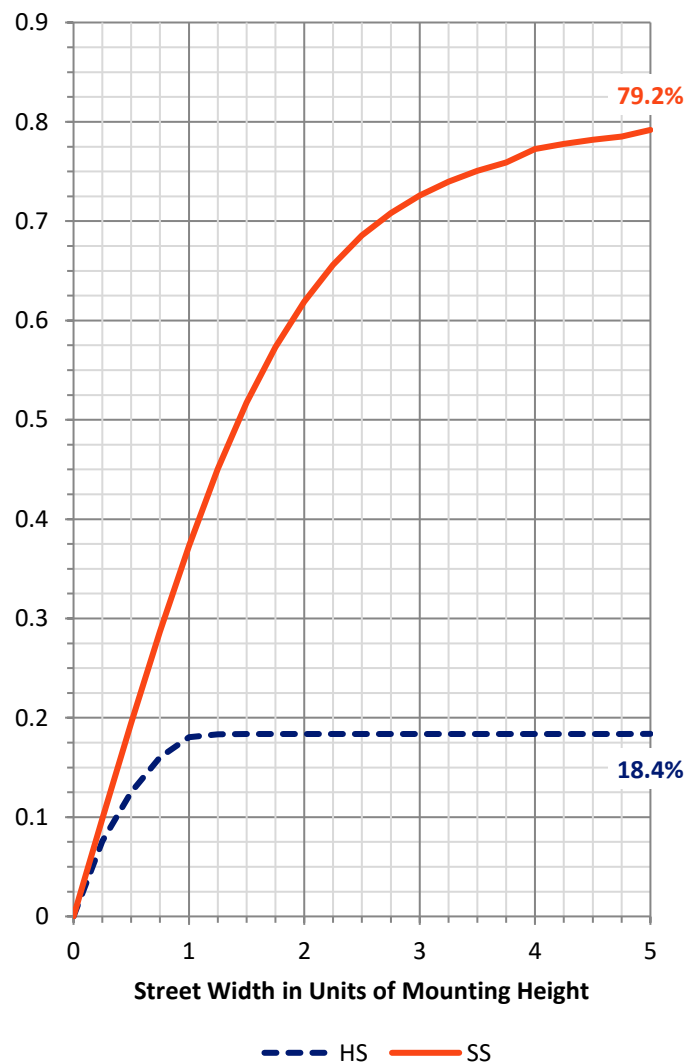
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	554.7	2.3	556.9
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	2400.4	41.7	2442.1
	% Fixture	80.0	1.4	81.4
Total	Lumens	2955.1	43.9	2999.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	1.3
10°-20°	103.6	3.5
20°-30°	182.5	6.1
30°-40°	311.9	10.4
40°-50°	428.7	14.3
50°-60°	529.8	17.7
60°-70°	740.4	24.7
70°-80°	540.9	18.0
80°-90°	79.4	2.6
90°-100°	35.0	1.2
100°-110°	8.0	0.3
110°-120°	0.5	0.0
120°-130°	0.1	0.0
130°-140°	0.1	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°	2955.1	98.5
0°-180°	2999.0	100.0

Coefficient of Utilization



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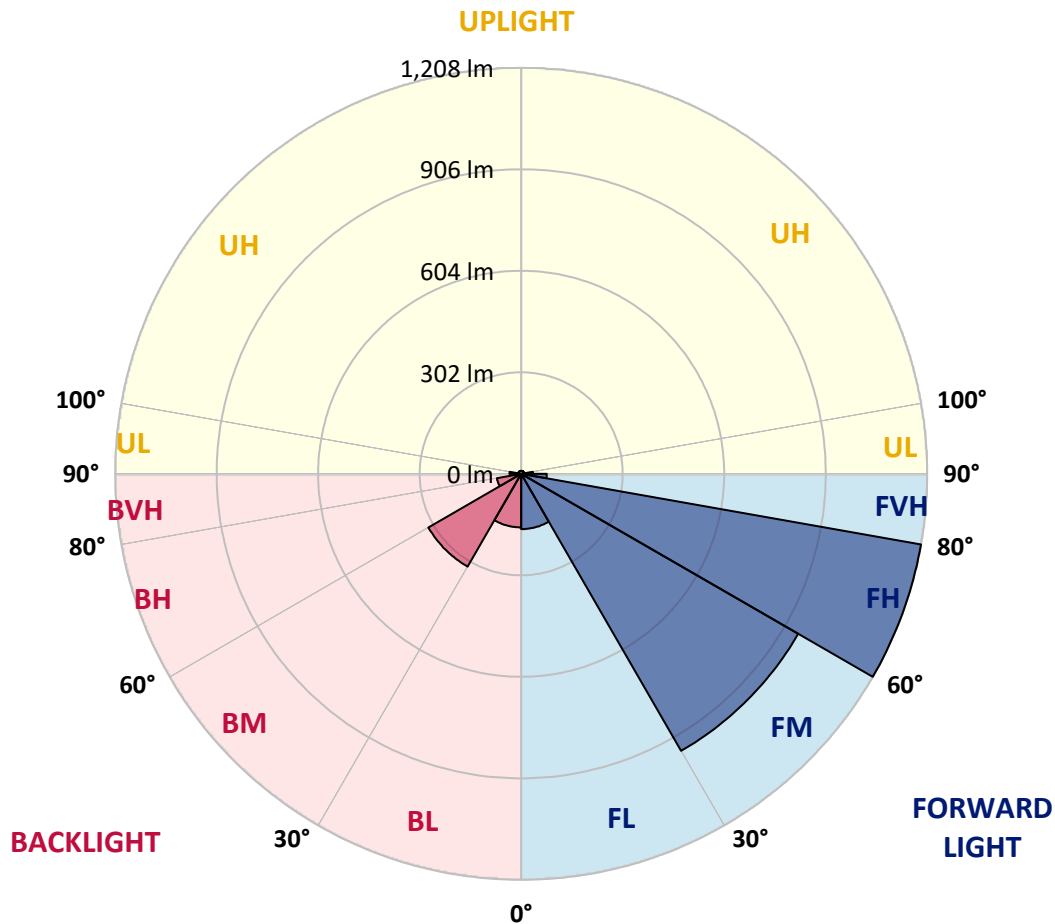
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7040-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.5	5.5			
FM	(30°-60°)	951.7	31.7			
FH	(60°-80°)	1207.9	40.3			G1/1800
FVH	(80°-90°)	76.3	2.5			G1/100
BL	(0°-30°)	159.5	5.3	B1/500		
BM	(30°-60°)	318.7	10.6	B1/1000		
BH	(60°-80°)	73.4	2.4	B0/110		G0/110
BVH	(80°-90°)	3.1	0.1			G0/10
UL	(90°-100°)	35.0	1.2		U2/50	
UH	(100°-180°)	8.9	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°	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3
2.5°	416.3	416.3	416.3	416.3	417.8	416.3	414.9	411.9	411.9	411.9	411.9
5°	410.5	410.5	411.9	411.9	410.5	409.0	406.1	406.1	404.6	404.6	404.6
7.5°	401.7	401.7	401.7	403.2	400.2	395.8	394.4	392.9	391.4	390.0	388.5
10°	388.5	388.5	388.5	387.0	384.1	379.7	376.8	373.8	373.8	372.4	370.9
12.5°	379.7	379.7	379.7	378.2	373.8	370.9	366.5	363.6	362.1	362.1	360.6
15°	376.8	376.8	376.8	375.3	370.9	368.0	363.6	360.6	357.7	356.2	354.8
17.5°	376.8	376.8	376.8	373.8	372.4	368.0	363.6	360.6	359.2	357.7	356.2
20°	381.2	382.6	381.2	379.7	375.3	372.4	368.0	363.6	362.1	362.1	360.6
22.5°	392.9	391.4	391.4	390.0	385.6	381.2	378.2	375.3	372.4	372.4	370.9
25°	406.1	407.6	407.6	404.6	401.7	397.3	392.9	388.5	387.0	385.6	384.1
27.5°	425.1	425.1	426.6	423.7	419.3	416.3	411.9	409.0	406.1	403.2	401.7
30°	448.6	450.1	450.1	447.1	442.7	436.9	433.9	429.5	425.1	425.1	420.7
32.5°	479.4	482.3	480.9	477.9	473.5	467.7	464.7	460.3	457.4	453.0	450.1
35°	521.9	523.4	521.9	519.0	511.6	505.8	502.8	499.9	497.0	491.1	485.3
37.5°	568.8	570.3	571.7	568.8	560.0	551.2	548.3	543.9	542.4	535.1	532.2
40°	623.1	626.0	624.5	620.1	612.8	604.0	602.5	598.1	593.7	589.3	582.0
42.5°	689.0	689.0	687.6	684.6	678.8	668.5	665.6	661.2	658.2	649.4	637.7
45°	765.3	766.7	762.3	757.9	756.5	747.7	740.3	735.9	727.1	716.9	703.7
47.5°	854.7	853.2	847.4	843.0	841.5	834.2	828.3	819.5	807.8	796.0	771.1
50°	947.0	947.0	936.8	932.4	935.3	925.1	917.7	907.5	895.7	884.0	847.4
52.5°	1046.7	1042.3	1032.1	1033.5	1029.1	1018.9	1010.1	1002.8	991.0	980.8	922.1
55°	1146.4	1140.6	1124.4	1125.9	1118.6	1106.8	1101.0	1092.2	1089.2	1077.5	994.0
57.5°	1238.8	1231.5	1213.9	1212.4	1206.5	1193.3	1190.4	1180.1	1172.8	1166.9	1048.2
60°	1328.2	1320.9	1304.8	1298.9	1287.2	1274.0	1275.4	1269.6	1265.2	1259.3	1108.3
62.5°	1408.8	1400.0	1385.4	1373.7	1357.5	1345.8	1347.3	1344.3	1347.3	1345.8	1159.6
65°	1518.8	1510.0	1488.0	1467.5	1444.0	1426.4	1425.0	1429.4	1460.1	1463.1	1238.8
67.5°	1556.9	1548.1	1520.3	1495.3	1476.3	1463.1	1460.1	1458.7	1467.5	1488.0	1222.7
70°	1436.7	1430.8	1404.4	1386.8	1367.8	1359.0	1350.2	1354.6	1363.4	1361.9	1121.5
72.5°	1240.2	1272.5	1238.8	1222.7	1218.3	1194.8	1200.7	1196.3	1202.1	1200.7	996.9
75°	1026.2	1017.4	1010.1	1037.9	1017.4	999.8	1010.1	1020.3	1030.6	1018.9	873.7
77.5°	746.2	752.1	749.1	759.4	778.5	769.7	763.8	788.7	793.1	753.5	678.8
80°	375.3	398.8	406.1	423.7	433.9	414.9	398.8	433.9	428.1	382.6	344.5
82.5°	98.2	99.7	114.3	134.9	137.8	134.9	137.8	134.9	117.3	74.8	63.0
85°	82.1	82.1	101.2	123.1	127.5	121.7	121.7	114.3	90.9	46.9	38.1
87.5°	67.4	70.4	90.9	111.4	114.3	108.5	107.0	98.2	79.2	41.0	32.3
90°	60.1	63.0	82.1	99.7	101.2	95.3	93.8	88.0	71.8	41.0	32.3
92.5°	66.0	67.4	80.6	90.9	90.9	86.5	85.0	80.6	70.4	51.3	39.6
95°	58.6	60.1	66.0	70.4	68.9	64.5	67.4	63.0	58.6	48.4	36.7
97.5°	48.4	49.8	51.3	51.3	49.8	46.9	49.8	48.4	45.4	39.6	29.3
100°	36.7	36.7	36.7	38.1	36.7	35.2	36.7	33.7	32.3	27.9	20.5
102.5°	24.9	24.9	24.9	24.9	24.9	24.9	24.9	22.0	20.5	17.6	11.7
105°	14.7	14.7	13.2	14.7	14.7	13.2	13.2	11.7	8.8	7.3	4.4
107.5°	5.9	5.9	4.4	4.4	4.4	4.4	2.9	1.5	1.5	1.5	1.5
110°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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	1.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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	1.5
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	1.5	1.5	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
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°	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3
2.5°	411.9	411.9	411.9	411.9	411.9	411.9	413.4	414.9	416.3	416.3
5°	404.6	404.6	404.6	403.2	404.6	406.1	407.6	407.6	409.0	409.0
7.5°	390.0	388.5	388.5	388.5	390.0	392.9	392.9	394.4	395.8	395.8
10°	370.9	370.9	370.9	370.9	372.4	375.3	375.3	378.2	378.2	378.2
12.5°	360.6	360.6	359.2	357.7	360.6	360.6	365.0	366.5	368.0	370.9
15°	354.8	353.3	354.8	354.8	356.2	357.7	359.2	362.1	363.6	365.0
17.5°	354.8	354.8	354.8	356.2	357.7	357.7	359.2	362.1	363.6	365.0
20°	360.6	360.6	359.2	359.2	360.6	360.6	363.6	366.5	368.0	369.4
22.5°	369.4	368.0	368.0	366.5	368.0	369.4	372.4	375.3	375.3	375.3
25°	381.2	379.7	379.7	379.7	382.6	382.6	385.6	388.5	388.5	388.5
27.5°	400.2	397.3	395.8	395.8	395.8	397.3	400.2	401.7	403.2	403.2
30°	416.3	413.4	411.9	410.5	411.9	413.4	416.3	419.3	419.3	419.3
32.5°	445.7	438.3	433.9	435.4	435.4	436.9	439.8	439.8	441.3	441.3
35°	479.4	472.1	464.7	466.2	466.2	467.7	467.7	467.7	470.6	467.7
37.5°	521.9	510.2	504.3	505.8	502.8	502.8	502.8	502.8	501.4	504.3
40°	567.3	549.8	543.9	545.4	543.9	542.4	542.4	543.9	542.4	543.9
42.5°	560.0	486.7	504.3	524.8	539.5	549.8	561.5	567.3	567.3	573.2
45°	489.6	288.8	309.3	337.2	360.6	385.6	397.3	406.1	411.9	423.7
47.5°	425.1	104.1	118.7	137.8	162.7	162.7	183.3	192.0	195.0	205.2
50°	413.4	16.1	13.2	14.7	16.1	17.6	19.1	23.5	23.5	29.3
52.5°	450.1	14.7	8.8	5.9	5.9	4.4	2.9	2.9	2.9	4.4
55°	491.1	16.1	8.8	5.9	4.4	4.4	1.5	1.5	1.5	1.5
57.5°	526.3	14.7	7.3	5.9	4.4	2.9	0.0	0.0	0.0	0.0
60°	564.4	16.1	8.8	5.9	4.4	2.9	0.0	0.0	0.0	0.0
62.5°	598.1	16.1	8.8	5.9	4.4	1.5	0.0	0.0	0.0	0.0
65°	646.5	17.6	8.8	5.9	2.9	0.0	0.0	0.0	0.0	0.0
67.5°	655.3	17.6	8.8	4.4	1.5	0.0	0.0	0.0	0.0	0.0
70°	584.9	14.7	5.9	2.9	1.5	0.0	0.0	0.0	0.0	0.0
72.5°	502.8	8.8	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	404.6	7.3	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	271.2	5.9	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	121.7	4.4	1.5	1.5	0.0	0.0	1.5	1.5	0.0	0.0
82.5°	26.4	2.9	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	17.6	2.9	1.5	1.5	0.0	0.0	1.5	1.5	0.0	0.0
87.5°	16.1	1.5	1.5	1.5	0.0	0.0	0.0	1.5	0.0	0.0
90°	16.1	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	19.1	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	17.6	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	13.2	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	8.8	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	4.4	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.5	1.5	1.5	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°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.5	1.5	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°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.5	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°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.5	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°	1.5	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°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.5	1.5	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	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.5	1.5	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)