

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: P691366

Luminaire Tested: **CRTK2-C015-D-U-T5R-7050-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691366  
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-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**

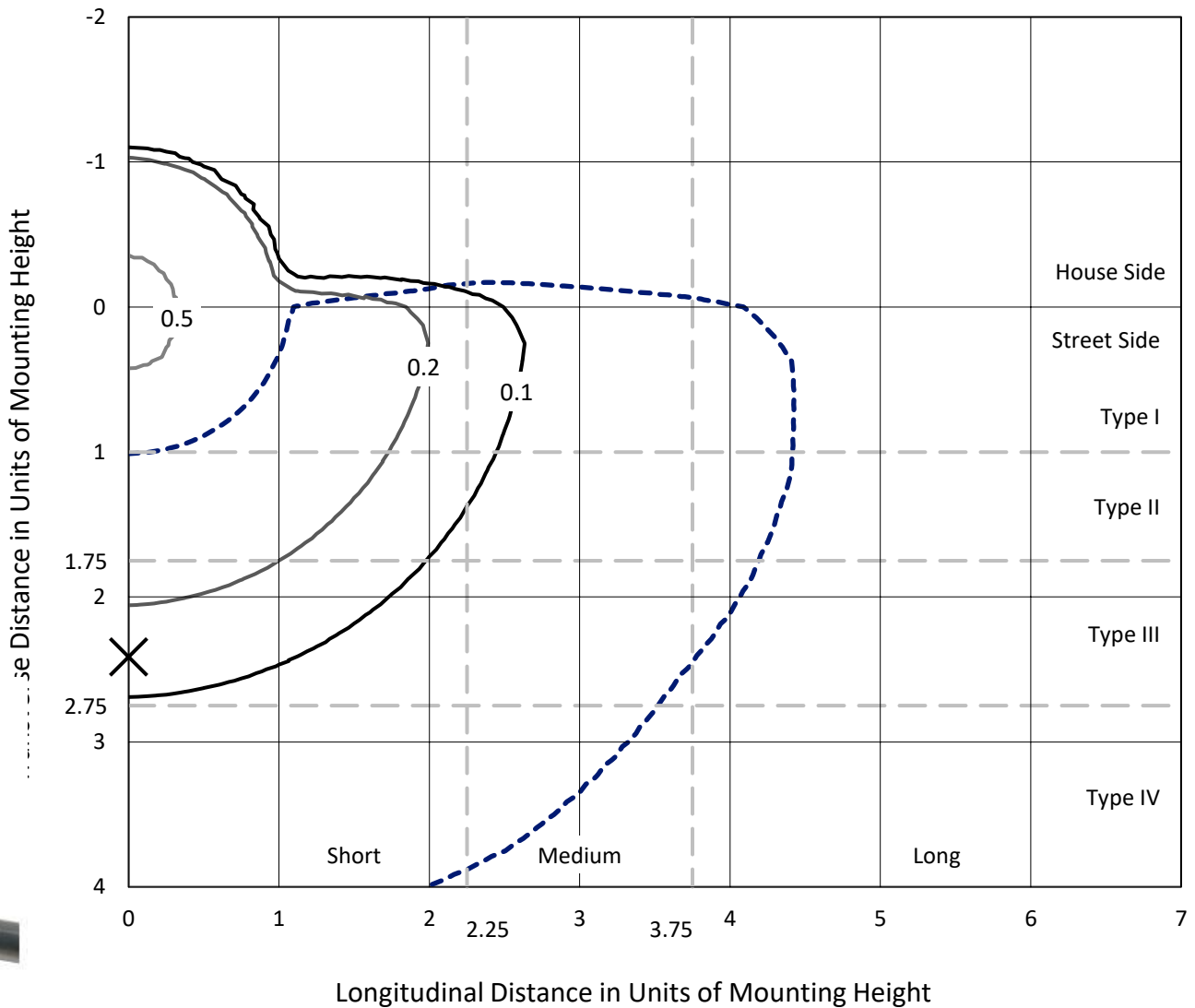
Lumens per Lamp: N/A  
Luminaire Lumens: 3034 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U2 - G1  
  
Input Watts (W): 29.9  
Input Voltage (V): NR  
Input Current (Ain): 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

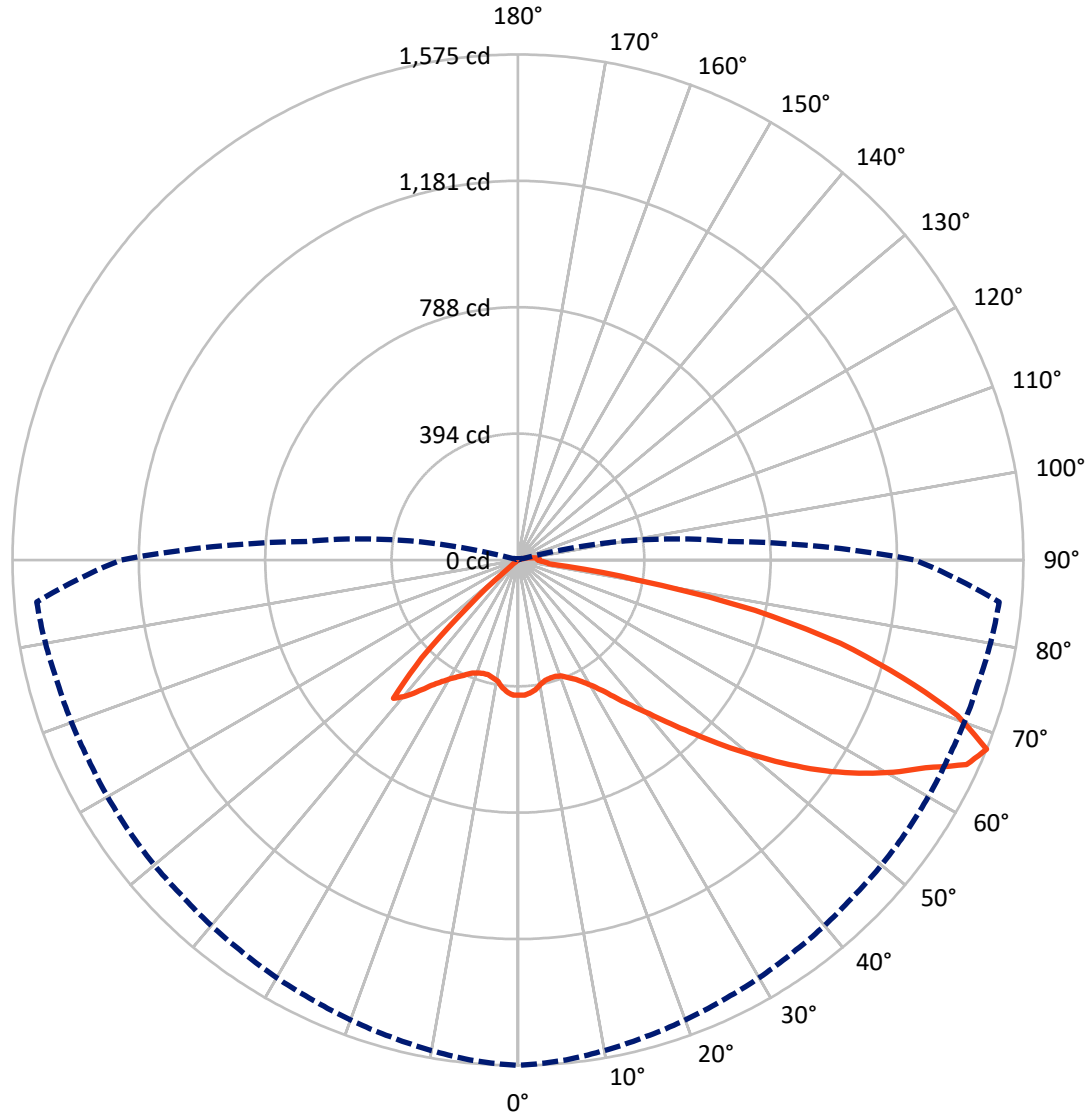
× Max cd  
 - - - 1/2 Max cd



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



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

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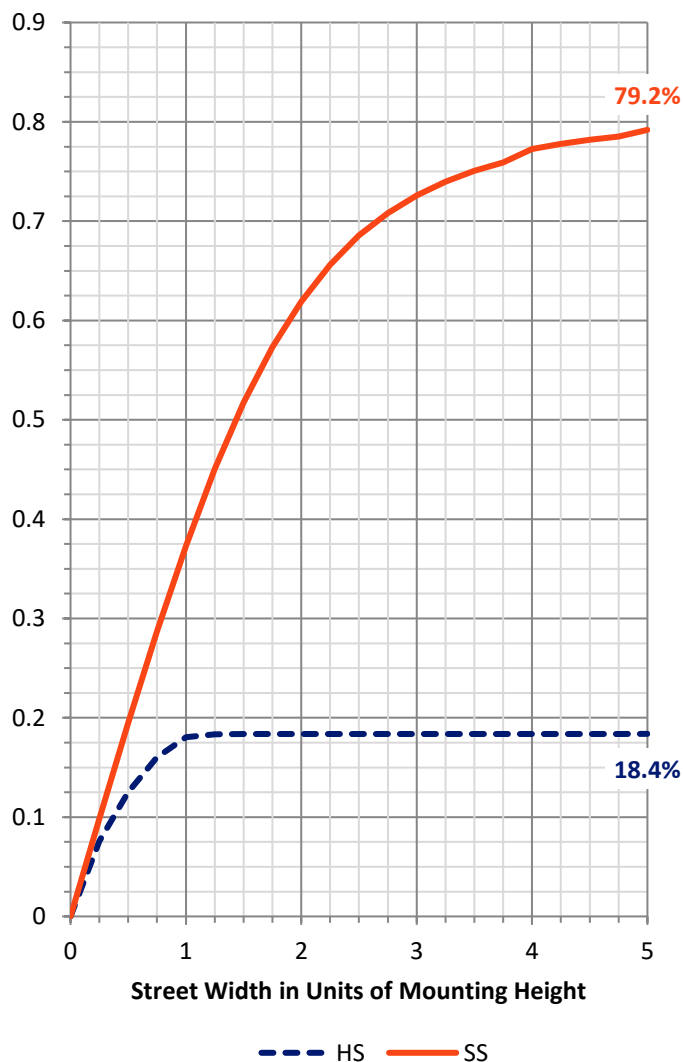
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	561.1	2.3	563.4
	% Fixture	18.5	0.1	18.6
<b>Street Side</b>	Lumens	2428.4	42.2	2470.6
	% Fixture	80.0	1.4	81.4
<b>Total</b>	Lumens	2989.6	44.4	3034.0
	% Fixture	98.5	1.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.3	1.3
10°-20°	104.8	3.5
20°-30°	184.6	6.1
30°-40°	315.6	10.4
40°-50°	433.7	14.3
50°-60°	536.0	17.7
60°-70°	749.1	24.7
70°-80°	547.2	18.0
80°-90°	80.3	2.6
90°-100°	35.4	1.2
100°-110°	8.1	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°	2989.6	98.5
0°-180°	3034.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P691366

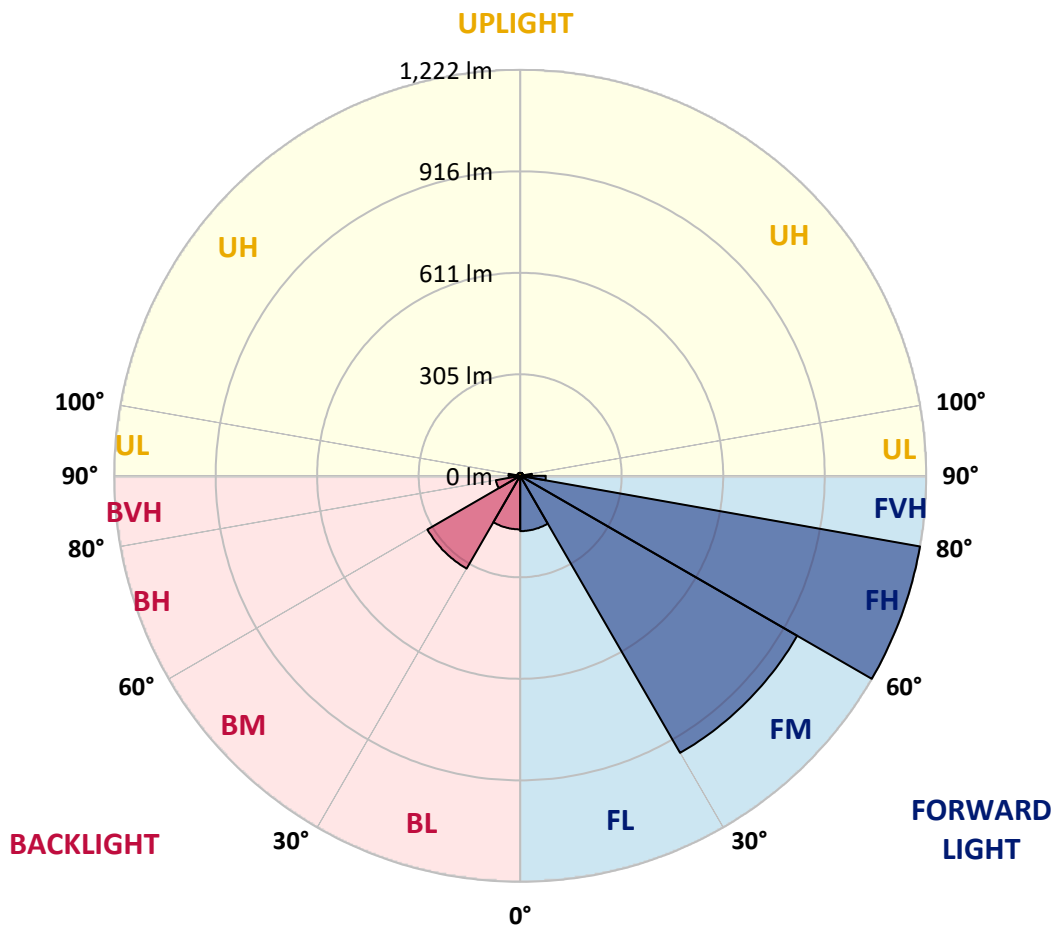
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7050-DS-HSS-CRTK2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.4	5.5			
FM (30°-60°)	962.8	31.7			
FH (60°-80°)	1222.0	40.3			G1/1800
FVH (80°-90°)	77.2	2.5			G1/100
BL (0°-30°)	161.3	5.3	B1/500		
BM (30°-60°)	322.4	10.6	B1/1000		
BH (60°-80°)	74.3	2.4	B0/110		G0/110
BVH (80°-90°)	3.1	0.1			G0/10
UL (90°-100°)	35.4	1.2		U2/50	
UH (100°-180°)	9.0	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°	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2
2.5°	421.2	421.2	421.2	421.2	422.7	421.2	419.7	416.8	416.8	416.8	416.8
5°	415.3	415.3	416.8	416.8	415.3	413.8	410.8	410.8	409.3	409.3	409.3
7.5°	406.4	406.4	406.4	407.9	404.9	400.4	399.0	397.5	396.0	394.5	393.0
10°	393.0	393.0	393.0	391.5	388.6	384.1	381.2	378.2	378.2	376.7	375.2
12.5°	384.1	384.1	384.1	382.6	378.2	375.2	370.8	367.8	366.3	366.3	364.8
15°	381.2	381.2	381.2	379.7	375.2	372.3	367.8	364.8	361.9	360.4	358.9
17.5°	381.2	381.2	381.2	378.2	376.7	372.3	367.8	364.8	363.4	361.9	360.4
20°	385.6	387.1	385.6	384.1	379.7	376.7	372.3	367.8	366.3	366.3	364.8
22.5°	397.5	396.0	396.0	394.5	390.1	385.6	382.6	379.7	376.7	376.7	375.2
25°	410.8	412.3	412.3	409.3	406.4	401.9	397.5	393.0	391.5	390.1	388.6
27.5°	430.1	430.1	431.6	428.6	424.2	421.2	416.8	413.8	410.8	407.9	406.4
30°	453.8	455.3	455.3	452.4	447.9	442.0	439.0	434.6	430.1	430.1	425.7
32.5°	485.0	487.9	486.5	483.5	479.0	473.1	470.1	465.7	462.7	458.3	455.3
35°	528.0	529.5	528.0	525.0	517.6	511.7	508.7	505.7	502.8	496.8	490.9
37.5°	575.5	576.9	578.4	575.5	566.6	557.7	554.7	550.2	548.8	541.3	538.4
40°	630.3	633.3	631.8	627.4	619.9	611.0	609.6	605.1	600.7	596.2	588.8
42.5°	697.1	697.1	695.6	692.6	686.7	676.3	673.3	668.9	665.9	657.0	645.2
45°	774.2	775.7	771.2	766.8	765.3	756.4	749.0	744.5	735.6	725.2	711.9
47.5°	864.7	863.2	857.2	852.8	851.3	843.9	838.0	829.1	817.2	805.3	780.1
50°	958.1	958.1	947.7	943.3	946.2	935.9	928.4	918.1	906.2	894.3	857.2
52.5°	1058.9	1054.5	1044.1	1045.6	1041.2	1030.8	1021.9	1014.5	1002.6	992.2	932.9
55°	1159.8	1153.9	1137.6	1139.0	1131.6	1119.8	1113.8	1104.9	1102.0	1090.1	1005.6
57.5°	1253.2	1245.8	1228.0	1226.5	1220.6	1207.3	1204.3	1193.9	1186.5	1180.6	1060.4
60°	1343.7	1336.3	1320.0	1314.0	1302.2	1288.8	1290.3	1284.4	1279.9	1274.0	1121.2
62.5°	1425.3	1416.4	1401.6	1389.7	1373.4	1361.5	1363.0	1360.0	1363.0	1361.5	1173.1
65°	1536.5	1527.6	1505.4	1484.6	1460.9	1443.1	1441.6	1446.0	1477.2	1480.2	1253.2
67.5°	1575.1	1566.2	1538.0	1512.8	1493.5	1480.2	1477.2	1475.7	1484.6	1505.4	1236.9
70°	1453.5	1447.5	1420.8	1403.0	1383.8	1374.9	1366.0	1370.4	1379.3	1377.8	1134.6
72.5°	1254.7	1287.3	1253.2	1236.9	1232.5	1208.7	1214.7	1210.2	1216.2	1214.7	1008.5
75°	1038.2	1029.3	1021.9	1050.1	1029.3	1011.5	1021.9	1032.3	1042.6	1030.8	883.9
77.5°	754.9	760.8	757.9	768.3	787.5	778.6	772.7	797.9	802.4	762.3	686.7
80°	379.7	403.4	410.8	428.6	439.0	419.7	403.4	439.0	433.1	387.1	348.5
82.5°	99.4	100.9	115.7	136.4	139.4	136.4	139.4	136.4	118.6	75.6	63.8
85°	83.1	83.1	102.3	124.6	129.0	123.1	123.1	115.7	92.0	47.5	38.6
87.5°	68.2	71.2	92.0	112.7	115.7	109.8	108.3	99.4	80.1	41.5	32.6
90°	60.8	63.8	83.1	100.9	102.3	96.4	94.9	89.0	72.7	41.5	32.6
92.5°	66.7	68.2	81.6	92.0	92.0	87.5	86.0	81.6	71.2	51.9	40.0
95°	59.3	60.8	66.7	71.2	69.7	65.3	68.2	63.8	59.3	48.9	37.1
97.5°	48.9	50.4	51.9	51.9	50.4	47.5	50.4	48.9	46.0	40.0	29.7
100°	37.1	37.1	37.1	38.6	37.1	35.6	37.1	34.1	32.6	28.2	20.8
102.5°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	22.2	20.8	17.8	11.9
105°	14.8	14.8	13.3	14.8	14.8	13.3	13.3	11.9	8.9	7.4	4.4
107.5°	5.9	5.9	4.4	4.4	4.4	4.4	3.0	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°	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2
2.5°	416.8	416.8	416.8	416.8	416.8	416.8	418.2	419.7	421.2	421.2
5°	409.3	409.3	409.3	407.9	409.3	410.8	412.3	412.3	413.8	413.8
7.5°	394.5	393.0	393.0	393.0	394.5	397.5	397.5	399.0	400.4	400.4
10°	375.2	375.2	375.2	375.2	376.7	379.7	379.7	382.6	382.6	382.6
12.5°	364.8	364.8	363.4	361.9	364.8	364.8	369.3	370.8	372.3	375.2
15°	358.9	357.4	358.9	358.9	360.4	361.9	363.4	366.3	367.8	369.3
17.5°	358.9	358.9	358.9	360.4	361.9	361.9	363.4	366.3	367.8	369.3
20°	364.8	364.8	363.4	363.4	364.8	364.8	367.8	370.8	372.3	373.7
22.5°	373.7	372.3	372.3	370.8	372.3	373.7	376.7	379.7	379.7	379.7
25°	385.6	384.1	384.1	384.1	387.1	387.1	390.1	393.0	393.0	393.0
27.5°	404.9	401.9	400.4	400.4	400.4	401.9	404.9	406.4	407.9	407.9
30°	421.2	418.2	416.8	415.3	416.8	418.2	421.2	424.2	424.2	424.2
32.5°	450.9	443.5	439.0	440.5	440.5	442.0	444.9	444.9	446.4	446.4
35°	485.0	477.6	470.1	471.6	471.6	473.1	473.1	473.1	476.1	473.1
37.5°	528.0	516.1	510.2	511.7	508.7	508.7	508.7	508.7	507.2	510.2
40°	574.0	556.2	550.2	551.7	550.2	548.8	548.8	550.2	548.8	550.2
42.5°	566.6	492.4	510.2	531.0	545.8	556.2	568.0	574.0	574.0	579.9
45°	495.4	292.2	312.9	341.1	364.8	390.1	401.9	410.8	416.8	428.6
47.5°	430.1	105.3	120.1	139.4	164.6	164.6	185.4	194.3	197.3	207.6
50°	418.2	16.3	13.3	14.8	16.3	17.8	19.3	23.7	23.7	29.7
52.5°	455.3	14.8	8.9	5.9	5.9	4.4	3.0	3.0	3.0	4.4
55°	496.8	16.3	8.9	5.9	4.4	4.4	1.5	1.5	1.5	1.5
57.5°	532.4	14.8	7.4	5.9	4.4	3.0	0.0	0.0	0.0	0.0
60°	571.0	16.3	8.9	5.9	4.4	3.0	0.0	0.0	0.0	0.0
62.5°	605.1	16.3	8.9	5.9	4.4	1.5	0.0	0.0	0.0	0.0
65°	654.1	17.8	8.9	5.9	3.0	0.0	0.0	0.0	0.0	0.0
67.5°	663.0	17.8	8.9	4.4	1.5	0.0	0.0	0.0	0.0	0.0
70°	591.8	14.8	5.9	3.0	1.5	0.0	0.0	0.0	0.0	0.0
72.5°	508.7	8.9	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	409.3	7.4	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	274.4	5.9	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	123.1	4.4	1.5	1.5	0.0	0.0	1.5	1.5	0.0	0.0
82.5°	26.7	3.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	17.8	3.0	1.5	1.5	0.0	0.0	1.5	1.5	0.0	0.0
87.5°	16.3	1.5	1.5	1.5	0.0	0.0	0.0	1.5	0.0	0.0
90°	16.3	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	19.3	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	17.8	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	13.3	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	8.9	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)