

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: P691127

Luminaire Tested: **CRTK2-C013-D-U-T2-7050**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691127  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-D-U-T2-7050  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3046 lumens  
Efficiency: N/A  
Efficacy: 149.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type II - Short  
BUG Rating: B1 - U2 - G1

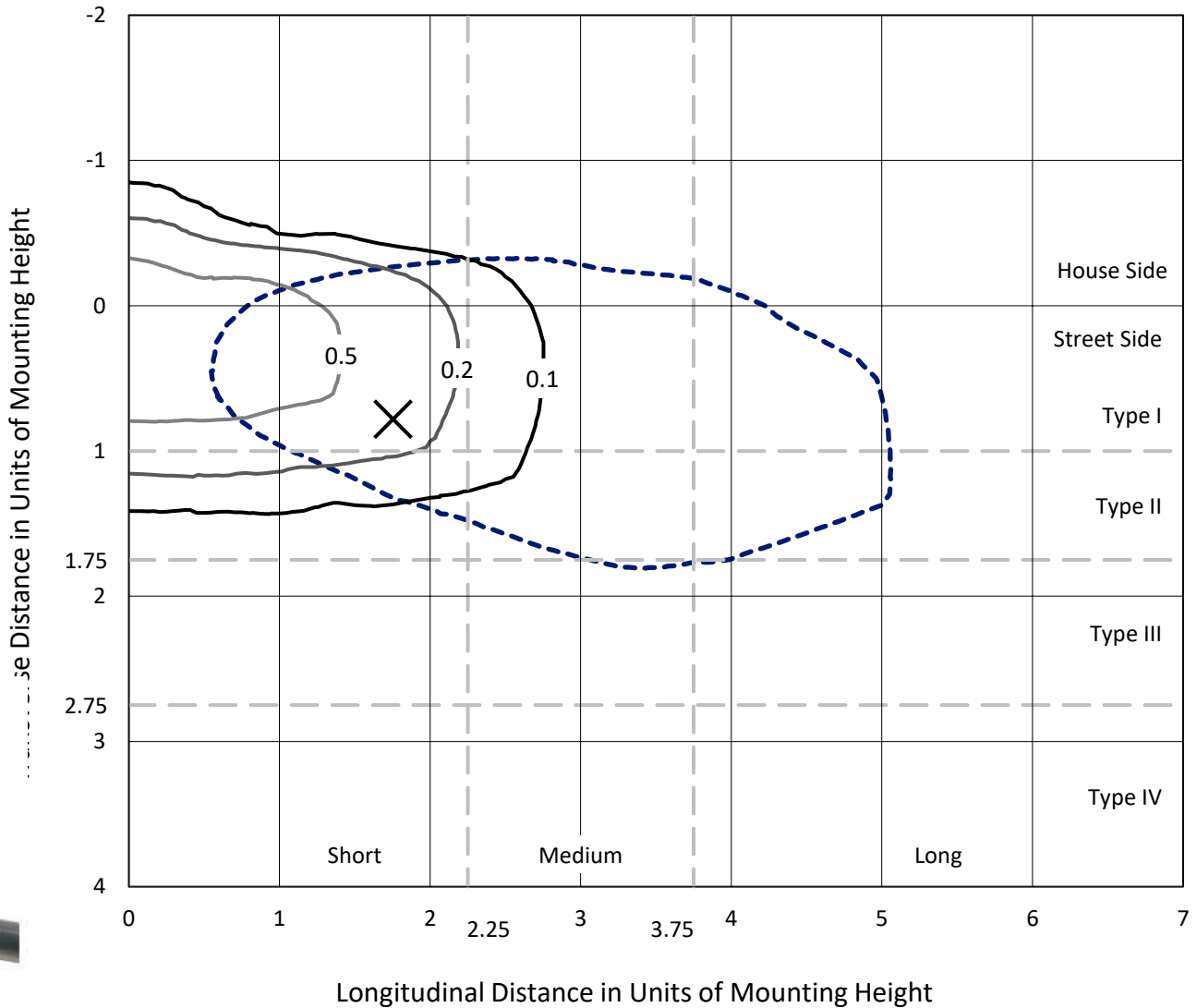
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

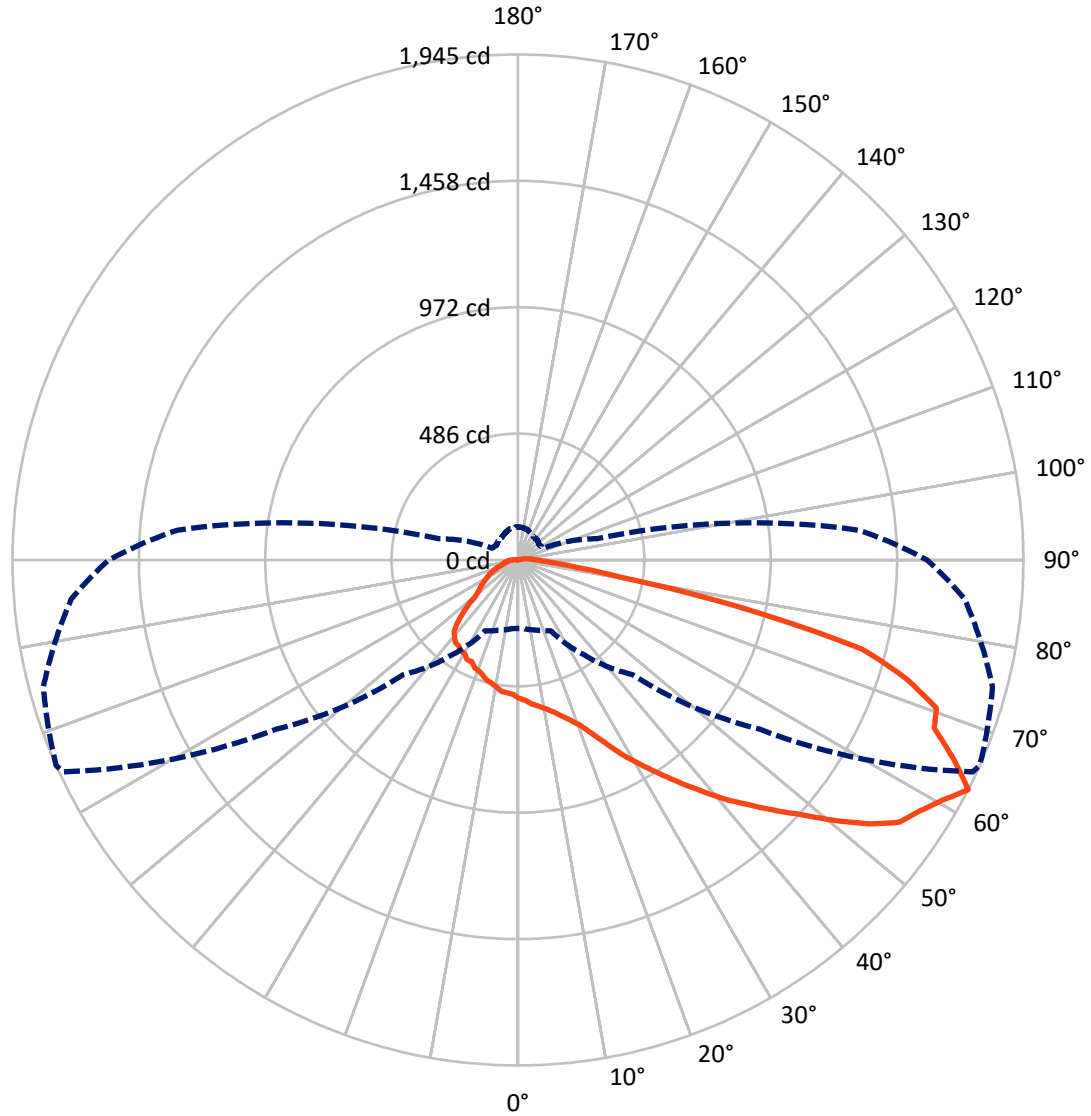
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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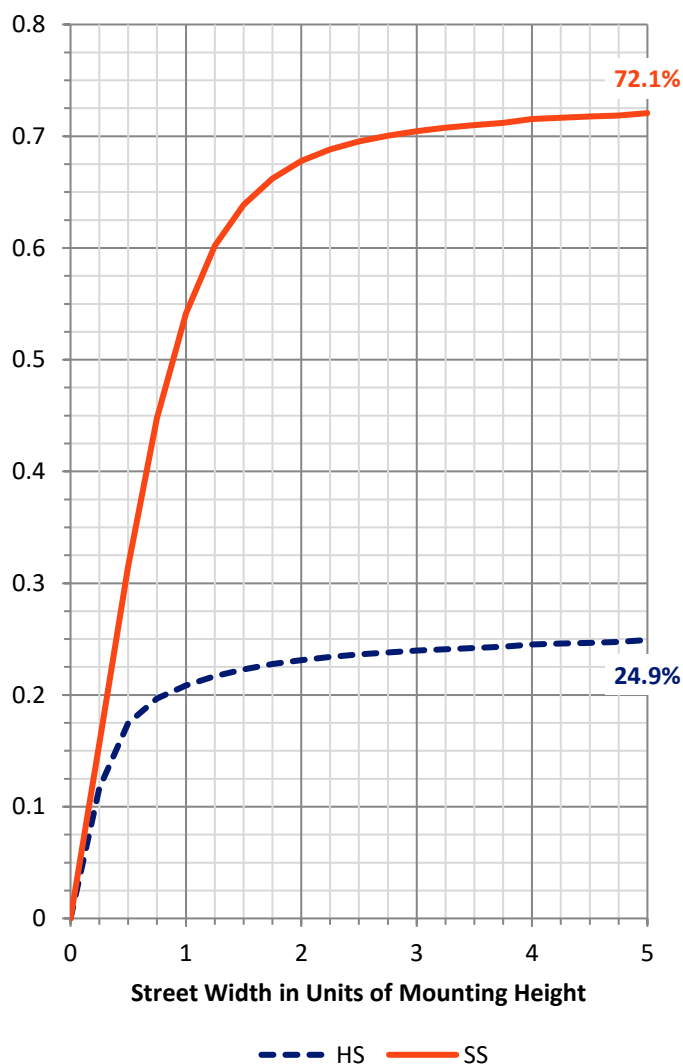
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	792.8	21.9	814.7
	% Fixture	26.0	0.7	26.7
<b>Street Side</b>	Lumens	2209.6	21.7	2231.3
	% Fixture	72.5	0.7	73.3
<b>Total</b>	Lumens	3002.4	43.6	3046.0
	% Fixture	98.6	1.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.2	1.7
10°-20°	153.1	5.0
20°-30°	259.2	8.5
30°-40°	379.1	12.4
40°-50°	495.6	16.3
50°-60°	576.7	18.9
60°-70°	576.9	18.9
70°-80°	398.1	13.1
80°-90°	112.5	3.7
90°-100°	37.1	1.2
100°-110°	5.1	0.2
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.3	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3002.4	98.6
0°-180°	3046.0	100.0

**Coefficient of Utilization**



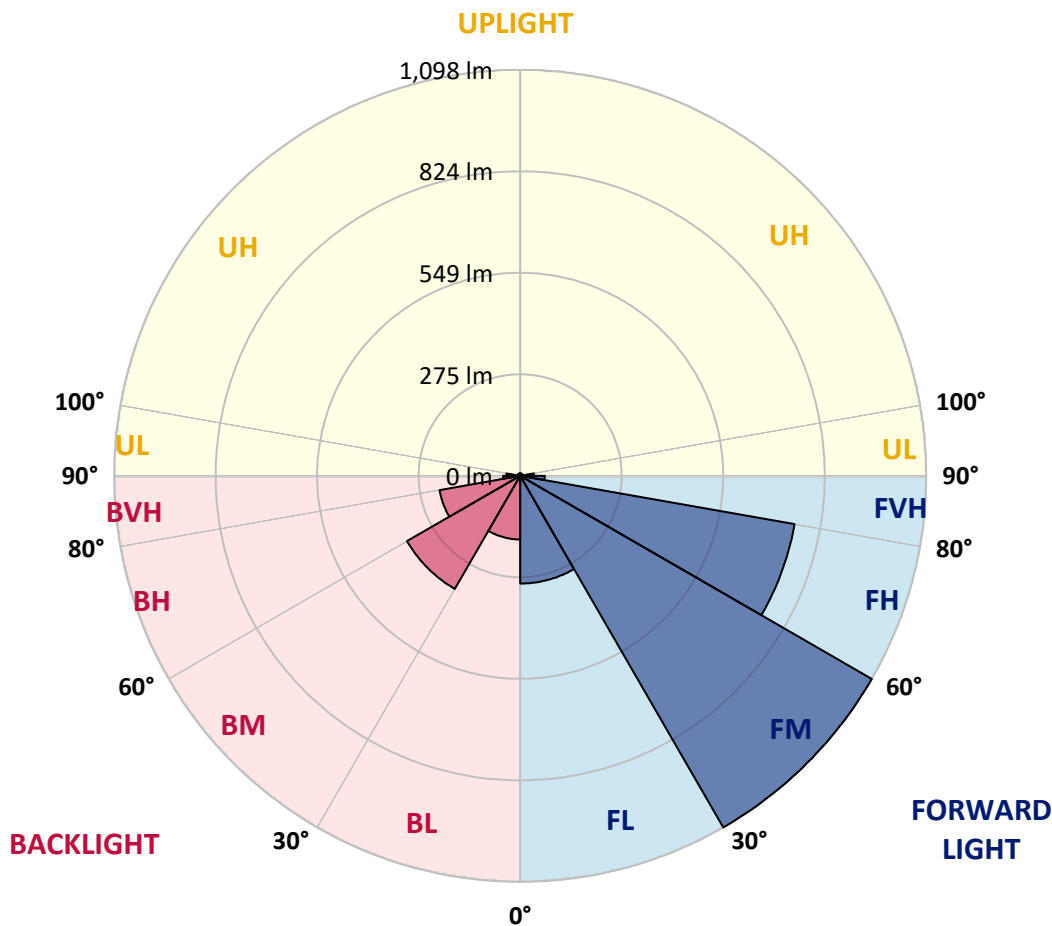
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.4	9.6			
FM (30°-60°)	1098.2	36.1			
FH (60°-80°)	753.6	24.7			G1/1800
FVH (80°-90°)	66.5	2.2			G1/100
BL (0°-30°)	172.1	5.6	B1/500		
BM (30°-60°)	353.3	11.6	B1/1000		
BH (60°-80°)	221.5	7.3	B1/500		G1/500
BVH (80°-90°)	46.1	1.5			G1/100
UL (90°-100°)	37.1	1.2		U2/50	
UH (100°-180°)	6.5	0.2		U1/10	

**BUG Rating: B1-U2-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2
2.5°	559.5	558.5	558.5	553.4	548.4	547.4	544.3	540.3	540.3	537.2	532.2
5°	592.9	591.9	592.9	585.8	578.7	572.7	562.5	557.5	556.5	549.4	539.3
7.5°	616.2	615.2	614.1	608.1	605.0	599.0	584.8	569.6	567.6	560.5	547.4
10°	625.3	626.3	631.3	621.2	615.2	610.1	602.0	583.8	581.8	565.6	545.3
12.5°	649.6	650.6	647.5	635.4	633.4	629.3	616.2	601.0	599.0	578.7	550.4
15°	674.9	674.9	670.8	663.7	658.7	654.6	638.4	622.2	621.2	596.9	563.6
17.5°	686.0	688.0	689.0	679.9	677.9	676.9	668.8	648.5	646.5	623.3	581.8
20°	693.1	694.1	695.1	694.1	695.1	694.1	698.1	681.9	676.9	652.6	602.0
22.5°	707.2	709.3	716.3	716.3	719.4	726.5	723.4	725.4	723.4	694.1	636.4
25°	714.3	717.3	726.5	737.6	750.7	758.8	770.0	778.1	779.1	752.8	689.0
27.5°	703.2	710.3	733.5	750.7	781.1	802.3	828.6	841.8	843.8	818.5	745.7
30°	717.3	717.3	731.5	755.8	793.2	842.8	883.3	903.5	905.5	886.3	802.3
32.5°	691.0	697.1	729.5	776.0	829.7	886.3	925.8	965.2	970.3	964.2	883.3
35°	688.0	691.0	711.3	759.8	831.7	926.8	981.4	1033.0	1043.1	1045.2	961.2
37.5°	659.7	663.7	701.2	761.9	860.0	955.1	1024.9	1109.9	1119.0	1133.2	1029.0
40°	624.3	630.3	660.7	728.5	851.9	988.5	1071.5	1190.9	1204.0	1221.2	1118.0
42.5°	577.7	588.8	640.5	713.3	847.9	999.6	1116.0	1271.8	1283.9	1302.1	1192.9
45°	538.3	541.3	582.8	658.7	815.5	1014.8	1157.5	1362.9	1370.9	1380.1	1253.6
47.5°	502.8	508.9	544.3	615.2	781.1	1011.8	1193.9	1448.9	1463.0	1490.3	1327.4
50°	397.6	411.8	512.0	577.7	728.5	1002.7	1224.2	1550.0	1573.3	1583.4	1411.4
52.5°	344.0	348.0	398.6	541.3	669.8	972.3	1250.5	1660.3	1686.6	1663.3	1512.6
55°	317.7	321.7	345.0	467.4	624.3	910.6	1270.8	1764.5	1780.7	1726.1	1587.5
57.5°	303.5	306.6	318.7	378.4	568.6	812.5	1272.8	1816.1	1822.2	1775.7	1625.9
60°	279.2	282.3	303.5	329.8	506.9	708.2	1237.4	1845.5	1876.8	1836.4	1699.8
62.5°	263.1	265.1	279.2	300.5	447.2	623.3	1134.2	1929.4	1944.6	1890.0	1725.1
65°	242.8	244.8	258.0	277.2	408.8	575.7	1089.7	1895.0	1839.4	1876.8	1758.5
67.5°	219.6	222.6	234.7	250.9	345.0	529.2	961.2	1766.5	1727.1	1810.1	1671.4
70°	198.3	200.3	213.5	222.6	283.3	468.4	798.3	1666.4	1707.9	1706.9	1592.5
72.5°	175.0	177.1	188.2	196.3	236.8	396.6	633.4	1551.0	1563.2	1519.7	1409.4
75°	150.8	151.8	161.9	170.0	194.3	317.7	462.4	1282.9	1366.9	1452.9	1219.2
77.5°	121.4	124.4	132.5	136.6	155.8	254.0	301.5	759.8	868.1	1277.9	1089.7
80°	91.1	91.1	97.1	99.2	115.3	189.2	190.2	366.3	393.6	812.5	809.4
82.5°	57.7	60.7	66.8	65.8	77.9	108.3	120.4	203.4	218.5	321.7	359.2
85°	46.5	47.6	51.6	48.6	51.6	58.7	67.8	128.5	133.6	196.3	195.3
87.5°	38.4	39.5	42.5	40.5	41.5	44.5	52.6	86.0	88.0	126.5	130.5
90°	29.3	30.4	34.4	33.4	32.4	36.4	43.5	65.8	68.8	100.2	107.2
92.5°	19.2	19.2	22.3	22.3	22.3	26.3	38.4	50.6	52.6	91.1	96.1
95°	14.2	14.2	15.2	16.2	15.2	19.2	28.3	45.5	49.6	85.0	83.0
97.5°	9.1	9.1	10.1	11.1	10.1	12.1	16.2	32.4	36.4	65.8	64.8
100°	6.1	6.1	6.1	6.1	6.1	6.1	9.1	21.2	24.3	41.5	40.5
102.5°	4.0	4.0	4.0	4.0	3.0	3.0	4.0	10.1	11.1	22.3	21.2
105°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	4.0	5.1	9.1	9.1
107.5°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
110°	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):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	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	1.0
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	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	1.0	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	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	1.0	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	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2	532.2
2.5°	530.2	527.1	522.1	517.0	514.0	510.9	505.9	501.8	501.8	506.9	506.9
5°	532.2	526.1	516.0	512.0	506.9	499.8	491.7	485.6	482.6	486.7	487.7
7.5°	537.2	528.1	518.0	508.9	491.7	478.6	471.5	463.4	462.4	466.4	468.4
10°	533.2	524.1	512.0	494.8	476.5	466.4	453.3	443.2	443.2	440.1	442.1
12.5°	537.2	525.1	500.8	482.6	466.4	444.2	428.0	417.9	416.8	419.9	419.9
15°	547.4	529.2	497.8	475.5	449.2	427.0	410.8	399.6	402.7	396.6	397.6
17.5°	559.5	532.2	497.8	459.3	430.0	408.8	386.5	373.3	374.4	375.4	376.4
20°	574.7	540.3	492.7	447.2	411.8	381.4	356.1	346.0	343.0	345.0	346.0
22.5°	598.0	558.5	490.7	441.1	386.5	357.2	334.9	314.7	312.6	312.6	312.6
25°	636.4	585.8	499.8	420.9	373.3	328.8	303.5	284.3	275.2	276.2	277.2
27.5°	695.1	629.3	508.9	421.9	343.0	303.5	272.2	250.9	245.9	246.9	247.9
30°	756.8	688.0	532.2	401.7	325.8	265.1	232.7	217.5	211.5	208.4	209.4
32.5°	804.4	739.6	564.6	395.6	294.4	223.6	203.4	191.2	183.1	180.1	180.1
35°	880.2	790.2	590.9	380.4	262.0	197.3	181.1	168.0	163.9	161.9	161.9
37.5°	945.0	845.8	618.2	374.4	222.6	177.1	156.8	148.7	148.7	146.7	145.7
40°	1014.8	904.5	633.4	356.1	192.2	155.8	135.6	134.6	137.6	137.6	137.6
42.5°	1098.8	965.2	649.6	334.9	169.0	131.5	120.4	128.5	135.6	137.6	137.6
45°	1161.5	1003.7	656.6	289.4	145.7	114.3	118.4	126.5	135.6	138.6	137.6
47.5°	1215.1	1059.3	646.5	233.7	125.5	111.3	116.4	123.4	134.6	138.6	138.6
50°	1268.8	1106.9	639.4	169.0	117.4	111.3	116.4	119.4	131.5	136.6	136.6
52.5°	1347.7	1144.3	611.1	141.6	111.3	112.3	118.4	118.4	129.5	135.6	138.6
55°	1448.9	1230.3	557.5	132.5	109.3	111.3	119.4	119.4	127.5	133.6	135.6
57.5°	1490.3	1260.7	465.4	124.4	107.2	111.3	116.4	118.4	128.5	132.5	131.5
60°	1545.0	1310.2	381.4	116.4	103.2	109.3	112.3	119.4	127.5	128.5	127.5
62.5°	1574.3	1316.3	315.7	108.3	100.2	106.2	107.2	115.3	123.4	126.5	127.5
65°	1590.5	1310.2	233.7	100.2	97.1	102.2	103.2	110.3	118.4	120.4	121.4
67.5°	1531.8	1268.8	161.9	92.1	94.1	97.1	99.2	106.2	112.3	118.4	120.4
70°	1426.6	1148.4	115.3	82.0	89.0	92.1	96.1	103.2	109.3	117.4	119.4
72.5°	1310.2	924.8	85.0	69.8	82.0	86.0	93.1	98.1	107.2	117.4	120.4
75°	1201.0	811.4	67.8	59.7	69.8	78.9	88.0	95.1	108.3	143.7	148.7
77.5°	851.9	548.4	60.7	52.6	59.7	68.8	80.9	93.1	150.8	171.0	172.0
80°	618.2	322.8	54.6	46.5	51.6	55.6	73.9	114.3	166.9	157.8	157.8
82.5°	309.6	173.0	51.6	41.5	44.5	45.5	65.8	145.7	134.6	140.6	141.6
85°	149.7	84.0	42.5	36.4	38.4	37.4	61.7	138.6	127.5	128.5	126.5
87.5°	94.1	51.6	33.4	30.4	31.4	30.4	58.7	132.5	133.6	109.3	111.3
90°	85.0	60.7	26.3	24.3	21.2	25.3	52.6	123.4	130.5	78.9	65.8
92.5°	82.0	65.8	19.2	17.2	15.2	20.2	39.5	100.2	79.9	33.4	20.2
95°	72.8	57.7	16.2	12.1	14.2	17.2	25.3	66.8	53.6	0.0	0.0
97.5°	54.6	42.5	13.2	8.1	45.5	15.2	14.2	43.5	15.2	0.0	0.0
100°	34.4	26.3	10.1	6.1	51.6	10.1	9.1	25.3	0.0	0.0	0.0
102.5°	19.2	14.2	5.1	4.0	22.3	5.1	6.1	6.1	0.0	0.0	0.0
105°	8.1	7.1	2.0	2.0	2.0	1.0	3.0	0.0	0.0	0.0	0.0
107.5°	2.0	3.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
120°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.0	1.0	1.0	1.0	1.0	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	0.0

(END OF REPORT)