

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: P691152

Luminaire Tested: **CRTK2-C013-D-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691152  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-D-U-T3-7050-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2828 lumens  
Efficiency: N/A  
Efficacy: 138.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U2 - G1

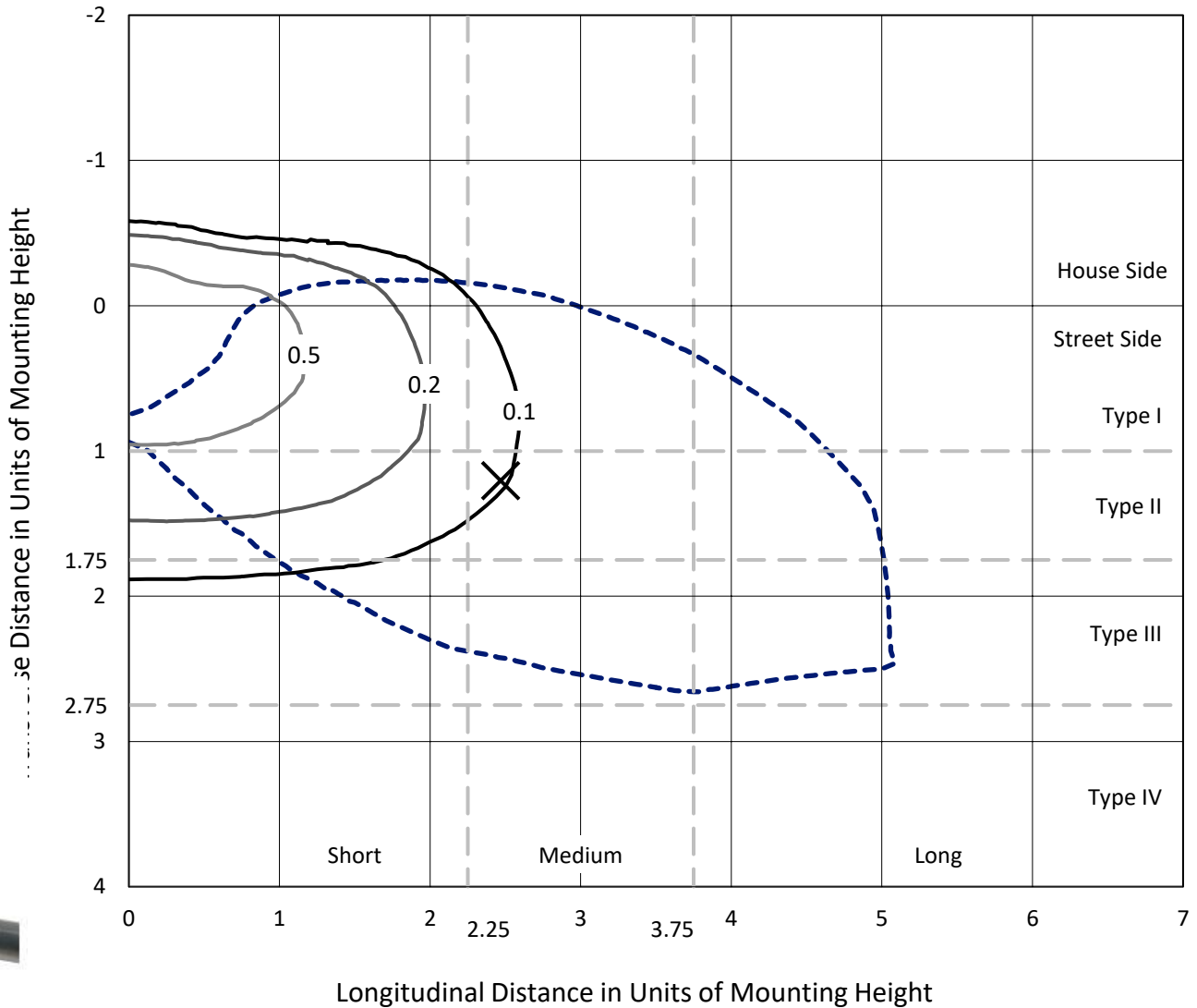
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

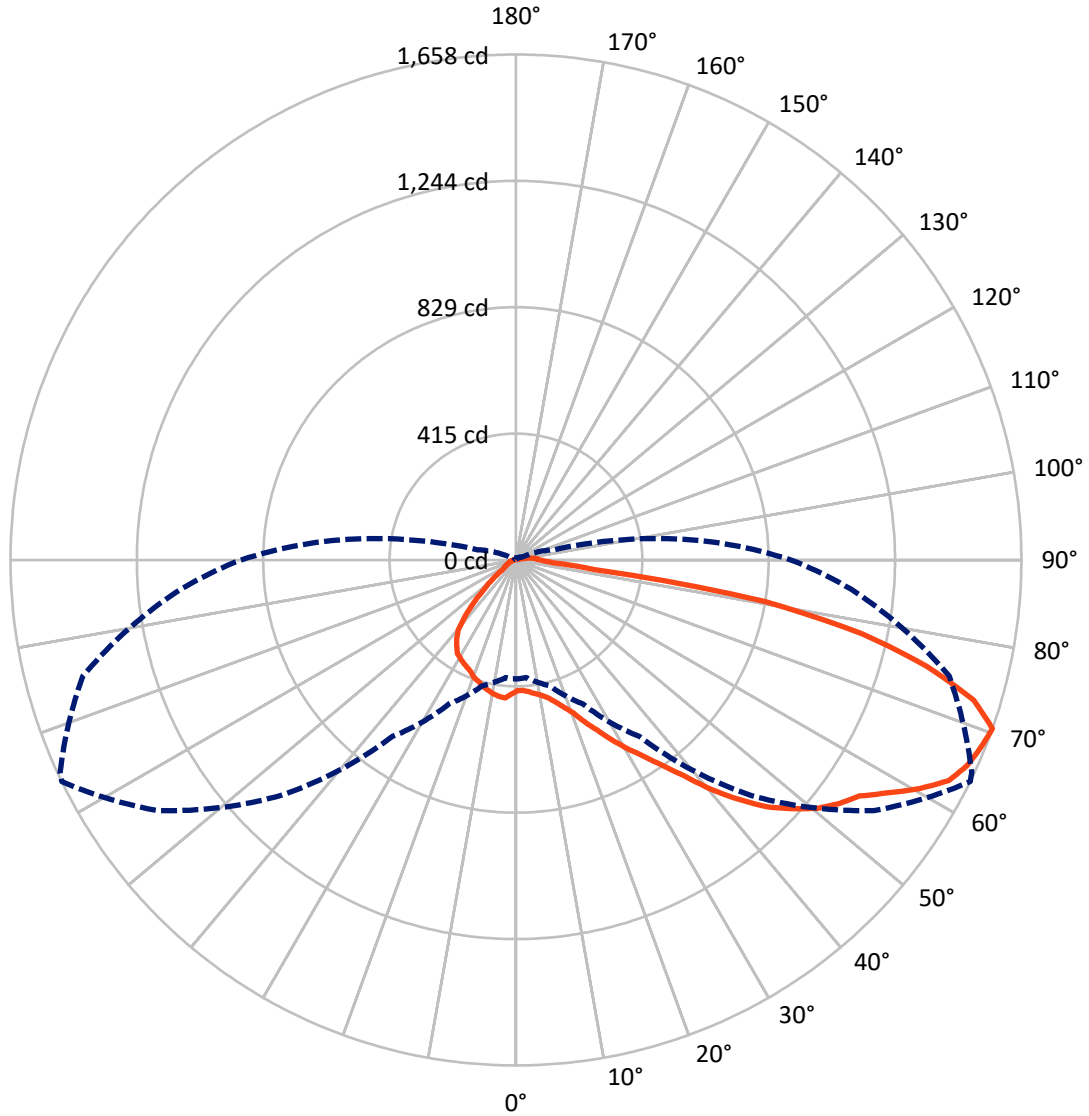
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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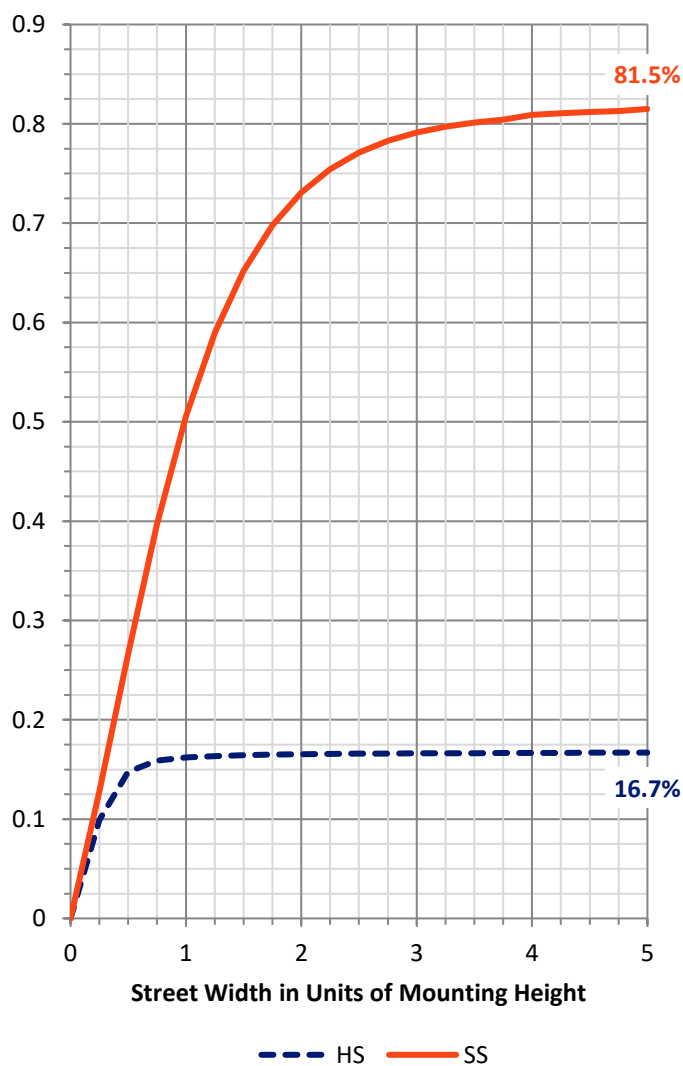
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	479.6	5.8	485.4
	% Fixture	17.0	0.2	17.2
<b>Street Side</b>	Lumens	2318.7	23.8	2342.6
	% Fixture	82.0	0.8	82.8
<b>Total</b>	Lumens	2798.3	29.7	2828.0
	% Fixture	99.0	1.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.5	1.5
10°-20°	130.3	4.6
20°-30°	225.3	8.0
30°-40°	334.3	11.8
40°-50°	459.3	16.2
50°-60°	557.7	19.7
60°-70°	592.5	21.0
70°-80°	391.5	13.8
80°-90°	64.8	2.3
90°-100°	24.2	0.9
100°-110°	4.1	0.1
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°	2798.3	99.0
0°-180°	2828.0	100.0

**Coefficient of Utilization**

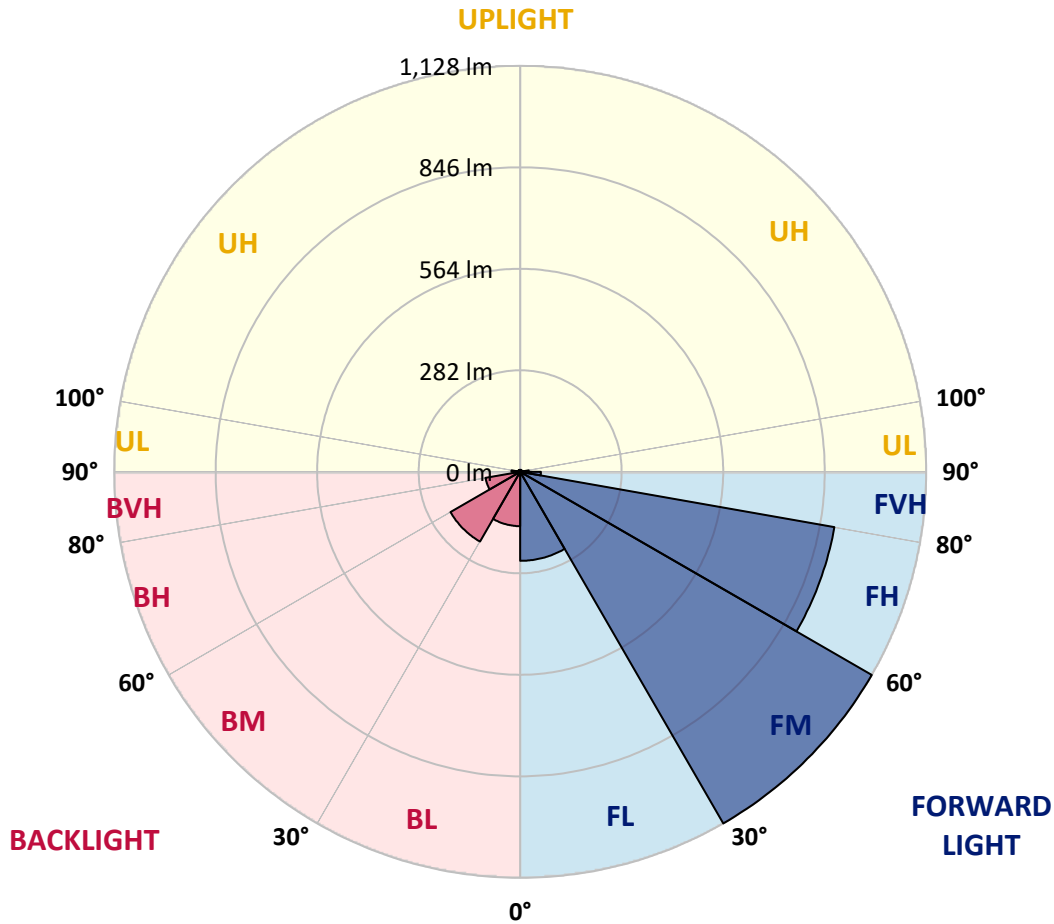


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.2	8.7			
FM (30°-60°)	1127.8	39.9			
FH (60°-80°)	886.2	31.3			G1/1800
FVH (80°-90°)	57.5	2.0			G1/100
BL (0°-30°)	151.0	5.3	B1/500		
BM (30°-60°)	223.6	7.9	B1/1000		
BH (60°-80°)	97.8	3.5	B0/110		G0/110
BVH (80°-90°)	7.3	0.3			G0/10
UL (90°-100°)	24.2	0.9		U2/50	
UH (100°-180°)	5.5	0.2		U1/10	

**BUG Rating: B1-U2-G1**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0
2.5°	432.0	431.0	432.0	431.0	430.0	429.0	428.0	428.0	427.0	428.0	429.0
5°	451.3	452.3	450.2	446.2	441.1	437.1	435.1	434.1	434.1	435.1	439.1
7.5°	465.4	464.4	463.4	462.4	458.3	449.2	444.2	442.1	442.1	440.1	447.2
10°	490.7	488.7	483.6	477.6	473.5	463.4	454.3	451.3	450.2	451.3	457.3
12.5°	518.0	516.0	515.0	508.9	494.8	485.7	470.5	463.4	463.4	463.4	466.4
15°	557.5	554.5	544.3	537.3	525.1	509.9	492.7	482.6	482.6	484.6	476.5
17.5°	585.8	583.8	582.8	570.6	560.5	537.3	524.1	506.9	506.9	510.9	493.7
20°	615.2	613.1	614.1	612.1	596.9	578.7	555.5	535.2	535.2	536.2	512.0
22.5°	654.6	651.6	651.6	650.6	642.5	621.2	593.9	576.7	573.7	565.6	535.2
25°	694.1	693.1	691.0	692.1	690.0	665.7	636.4	617.2	617.2	606.1	566.6
27.5°	733.5	733.5	732.5	733.5	732.5	717.3	688.0	667.8	668.8	654.6	601.0
30°	761.9	760.9	767.9	771.0	773.0	766.9	738.6	716.3	718.4	704.2	641.5
32.5°	788.2	787.2	799.3	806.4	808.4	807.4	784.1	765.9	771.0	757.8	690.0
35°	812.5	811.4	827.6	845.8	853.9	851.9	836.7	826.6	831.7	830.7	755.8
37.5°	830.7	833.7	855.0	880.2	894.4	895.4	888.3	899.5	905.5	925.8	837.8
40°	851.9	851.9	872.2	899.5	924.8	934.9	941.0	991.5	997.6	1001.7	892.4
42.5°	829.7	835.7	879.2	919.7	952.1	975.4	1008.7	1074.5	1087.7	1057.3	959.2
45°	812.5	817.5	862.0	929.8	976.4	1019.9	1082.6	1155.4	1165.6	1113.0	994.6
47.5°	794.2	802.3	847.9	922.7	999.6	1074.5	1144.3	1219.2	1228.3	1160.5	1044.2
50°	773.0	782.1	830.7	912.6	1011.8	1126.1	1200.0	1280.9	1281.9	1202.0	1071.5
52.5°	752.8	758.8	809.4	899.5	1021.9	1165.6	1252.6	1327.4	1321.4	1254.6	1100.8
55°	718.4	730.5	784.1	881.3	1027.0	1187.8	1289.0	1366.9	1371.0	1311.3	1140.3
57.5°	687.0	695.1	751.7	855.0	1022.9	1201.0	1324.4	1440.8	1448.9	1361.9	1168.6
60°	647.5	652.6	707.2	818.5	996.6	1223.2	1403.3	1522.7	1531.8	1410.4	1179.7
62.5°	598.0	598.0	652.6	770.0	963.2	1239.4	1458.0	1593.5	1593.5	1448.9	1183.8
65°	534.2	537.3	585.8	704.2	907.6	1230.3	1474.2	1626.9	1630.0	1476.2	1181.8
67.5°	472.5	471.5	514.0	618.2	823.6	1182.8	1462.0	1644.1	1656.3	1492.4	1155.4
70°	390.5	387.5	427.0	521.1	706.2	1092.7	1433.7	1658.3	1650.2	1471.1	1103.8
72.5°	300.5	297.5	326.8	398.6	556.5	937.9	1350.7	1569.3	1555.1	1355.8	997.6
75°	213.5	209.4	232.7	280.3	366.3	686.0	1158.5	1392.2	1376.0	1219.2	832.7
77.5°	121.4	117.4	138.6	177.1	221.6	388.5	877.2	1160.5	1182.8	1005.7	636.4
80°	53.6	51.6	60.7	85.0	124.4	185.2	477.6	829.7	799.3	686.0	362.2
82.5°	45.5	45.5	46.5	48.6	50.6	85.0	179.1	261.0	249.9	201.3	115.3
85°	39.5	38.4	40.5	42.5	43.5	55.6	104.2	125.5	123.4	111.3	79.9
87.5°	32.4	30.4	33.4	35.4	35.4	45.5	77.9	92.1	92.1	93.1	70.8
90°	28.3	28.3	26.3	26.3	27.3	32.4	59.7	75.9	77.9	96.1	82.0
92.5°	24.3	24.3	24.3	24.3	20.2	23.3	42.5	67.8	72.8	94.1	73.9
95°	23.3	22.3	23.3	21.2	20.2	21.2	32.4	59.7	65.8	83.0	64.8
97.5°	16.2	15.2	17.2	17.2	18.2	19.2	27.3	44.5	46.5	61.7	48.6
100°	11.1	10.1	10.1	10.1	13.2	13.2	22.3	27.3	28.3	39.5	32.4
102.5°	6.1	5.1	5.1	5.1	7.1	8.1	11.1	15.2	15.2	21.2	18.2
105°	2.0	2.0	3.0	3.0	3.0	4.0	4.0	5.1	5.1	6.1	8.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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	1.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0
2.5°	430.0	432.0	437.1	440.1	444.2	448.2	451.3	451.3	454.3	452.3	451.3
5°	443.2	444.2	450.2	454.3	453.3	449.2	446.2	444.2	445.2	447.2	447.2
7.5°	452.3	456.3	451.3	451.3	450.2	445.2	439.1	433.0	430.0	429.0	429.0
10°	457.3	453.3	451.3	446.2	435.1	432.0	427.0	415.8	412.8	412.8	408.8
12.5°	460.4	458.3	447.2	438.1	428.0	411.8	400.7	398.6	389.5	388.5	389.5
15°	472.5	462.4	448.2	431.0	411.8	397.6	382.5	366.3	359.2	360.2	361.2
17.5°	480.6	471.5	446.2	418.9	401.7	375.4	358.2	349.1	337.9	337.9	337.9
20°	493.7	478.6	443.2	413.8	373.3	354.1	333.9	323.8	312.6	293.4	291.4
22.5°	510.9	491.7	442.1	398.6	362.2	330.9	301.5	270.1	254.0	242.8	239.8
25°	532.2	509.9	449.2	391.6	341.0	302.5	265.1	222.6	192.2	186.2	186.2
27.5°	568.6	533.2	458.3	384.5	328.8	271.2	212.5	175.0	148.7	140.6	139.6
30°	604.0	562.5	461.4	377.4	305.6	228.7	163.9	124.4	101.2	91.1	89.0
32.5°	659.7	603.0	487.7	371.3	279.3	184.1	116.4	78.9	59.7	53.6	52.6
35°	716.3	657.7	496.8	355.1	231.7	134.6	66.8	42.5	32.4	27.3	26.3
37.5°	789.2	726.5	524.1	337.9	184.1	76.9	37.4	23.3	20.2	20.2	20.2
40°	831.7	756.8	548.4	315.7	126.5	39.5	22.3	18.2	18.2	17.2	17.2
42.5°	886.3	794.2	569.6	272.2	66.8	24.3	19.2	17.2	15.2	15.2	15.2
45°	917.7	818.5	562.5	218.5	31.4	22.3	18.2	15.2	14.2	14.2	14.2
47.5°	956.1	848.9	547.4	161.9	27.3	20.2	17.2	14.2	13.2	14.2	14.2
50°	994.6	879.2	508.9	124.4	25.3	19.2	15.2	12.1	12.1	13.2	13.2
52.5°	1013.8	900.5	463.4	86.0	25.3	18.2	14.2	12.1	11.1	11.1	11.1
55°	1036.1	905.5	424.9	56.7	24.3	17.2	13.2	10.1	10.1	9.1	9.1
57.5°	1048.2	892.4	396.6	47.6	23.3	16.2	12.1	9.1	8.1	7.1	7.1
60°	1043.1	873.2	372.3	41.5	21.2	15.2	11.1	8.1	6.1	5.1	5.1
62.5°	1033.0	857.0	327.8	36.4	20.2	13.2	9.1	7.1	5.1	4.0	4.0
65°	1021.9	813.5	276.2	31.4	18.2	12.1	8.1	6.1	4.0	3.0	3.0
67.5°	970.3	755.8	202.4	28.3	17.2	11.1	7.1	5.1	4.0	3.0	3.0
70°	902.5	659.7	130.5	24.3	15.2	10.1	7.1	4.0	3.0	2.0	2.0
72.5°	767.9	538.3	65.8	21.2	14.2	10.1	6.1	4.0	3.0	2.0	1.0
75°	627.3	401.7	42.5	18.2	13.2	10.1	6.1	4.0	2.0	1.0	1.0
77.5°	449.2	217.5	32.4	16.2	11.1	10.1	5.1	3.0	2.0	2.0	1.0
80°	187.2	78.9	26.3	13.2	10.1	9.1	5.1	3.0	2.0	2.0	1.0
82.5°	78.9	54.6	23.3	11.1	9.1	9.1	4.0	3.0	2.0	2.0	2.0
85°	61.7	45.5	20.2	10.1	8.1	10.1	4.0	3.0	3.0	3.0	3.0
87.5°	57.7	46.5	18.2	9.1	8.1	7.1	4.0	3.0	5.1	5.1	6.1
90°	64.8	48.6	14.2	8.1	7.1	6.1	3.0	2.0	2.0	0.0	0.0
92.5°	59.7	44.5	10.1	6.1	9.1	4.0	2.0	0.0	0.0	0.0	0.0
95°	51.6	37.4	6.1	4.0	10.1	5.1	1.0	0.0	0.0	0.0	0.0
97.5°	38.4	27.3	4.0	2.0	8.1	6.1	1.0	0.0	0.0	0.0	0.0
100°	27.3	17.2	3.0	2.0	5.1	6.1	1.0	0.0	0.0	0.0	0.0
102.5°	15.2	9.1	2.0	1.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
105°	7.1	3.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.0	1.0	1.0	1.0	1.0	0.0	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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 CATALOG NUMBER: CRTK2-C013-D-U-T3-7050-HSS-CRTK2

**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	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	1.0	1.0	1.0	0.0	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	1.0	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	0.0	0.0	0.0	0.0	0.0
135°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	1.0	1.0	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

(END OF REPORT)