

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: P691094

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
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-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND UO SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2391 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - G1

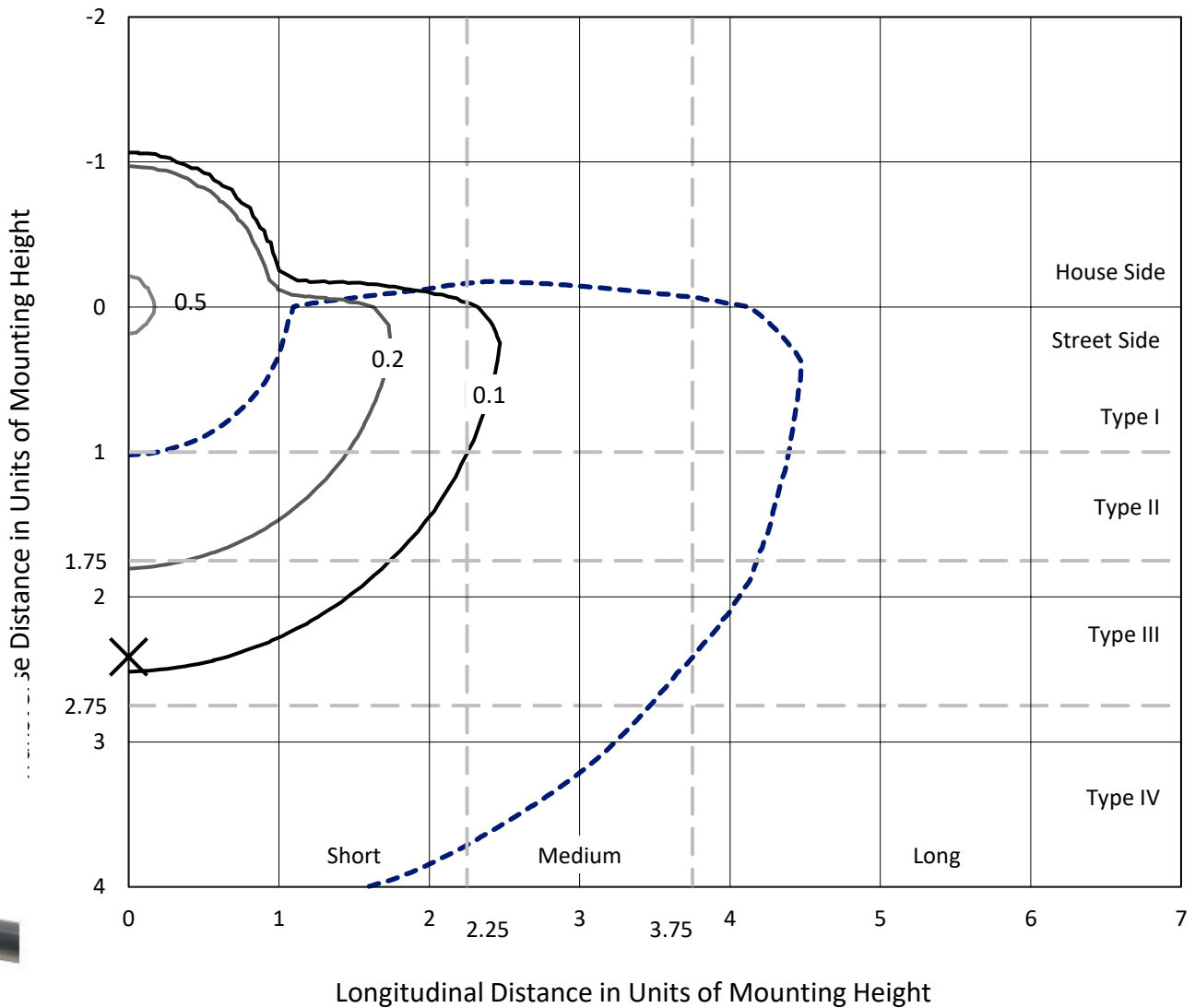
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

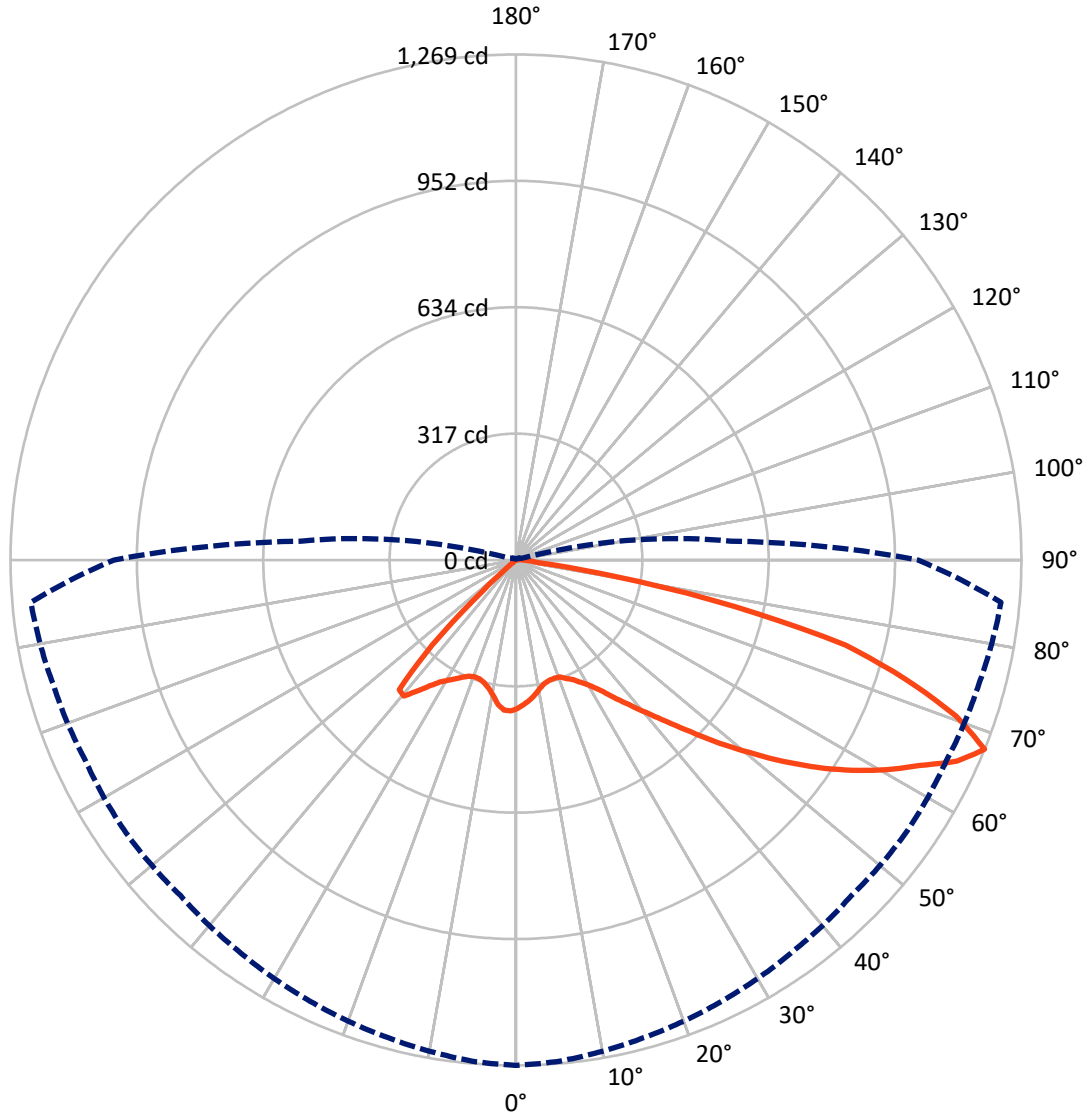
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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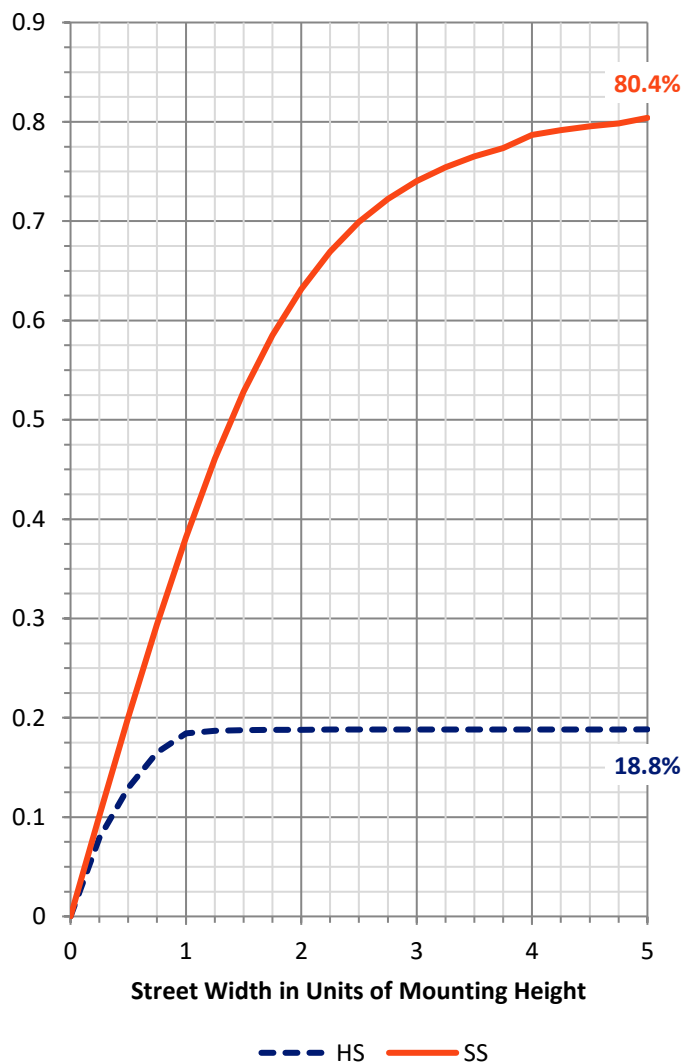
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	452.8	0.9	453.7
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	1931.9	5.4	1937.3
	% Fixture	80.8	0.2	81.0
Total	Lumens	2384.7	6.3	2391.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	1.4
10°-20°	87.8	3.7
20°-30°	150.5	6.3
30°-40°	254.5	10.6
40°-50°	339.6	14.2
50°-60°	431.2	18.0
60°-70°	603.8	25.3
70°-80°	437.3	18.3
80°-90°	46.6	1.9
90°-100°	5.2	0.2
100°-110°	0.5	0.0
110°-120°	0.2	0.0
120°-130°	0.1	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2384.7	99.7
0°-180°	2391.0	100.0

Coefficient of Utilization



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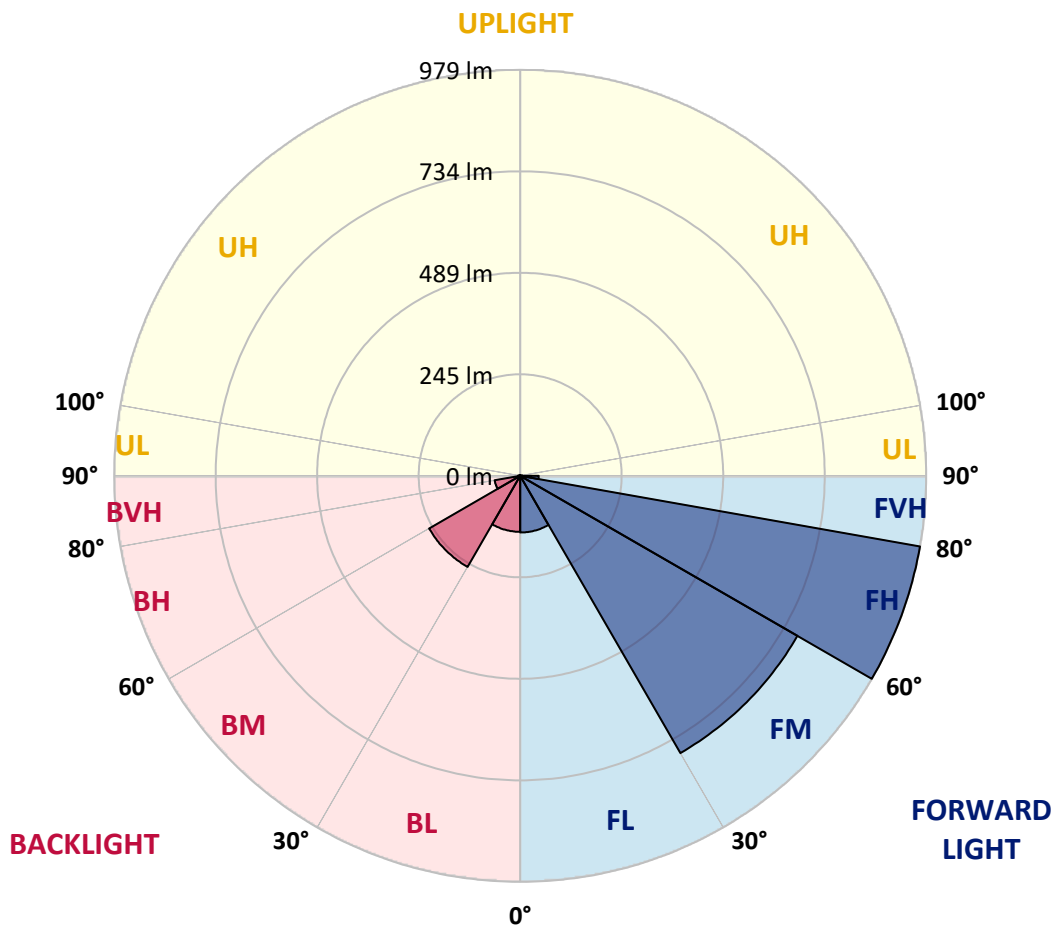
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.7	5.7			
FM (30°-60°)	771.7	32.3			
FH (60°-80°)	978.6	40.9			G1/1800
FVH (80°-90°)	44.9	1.9			G1/100
BL (0°-30°)	135.0	5.6	B1/500		
BM (30°-60°)	253.6	10.6	B1/1000		
BH (60°-80°)	62.5	2.6	B0/110		G0/110
BVH (80°-90°)	1.7	0.1			G0/10
UL (90°-100°)	5.2	0.2		U1/10	
UH (100°-180°)	1.1	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1
2.5°	363.5	364.7	364.7	364.7	365.9	364.7	364.7	364.7	364.7	365.9	365.9
5°	353.9	353.9	353.9	355.1	355.1	353.9	352.8	353.9	353.9	355.1	355.1
7.5°	342.0	342.0	342.0	343.2	342.0	339.6	337.2	338.4	337.2	338.4	339.6
10°	327.6	328.8	328.8	327.6	326.4	322.9	319.3	320.5	319.3	320.5	320.5
12.5°	318.1	319.3	319.3	318.1	314.5	312.1	309.7	307.3	306.1	308.5	307.3
15°	313.3	314.5	314.5	313.3	310.9	308.5	303.7	302.5	300.1	298.9	300.1
17.5°	312.1	312.1	312.1	310.9	308.5	304.9	302.5	300.1	298.9	298.9	297.7
20°	313.3	315.7	314.5	313.3	310.9	308.5	304.9	301.3	301.3	301.3	300.1
22.5°	322.9	322.9	321.7	321.7	319.3	315.7	312.1	309.7	307.3	307.3	307.3
25°	332.4	333.6	333.6	332.4	328.8	324.1	322.9	319.3	318.1	316.9	315.7
27.5°	348.0	346.8	348.0	348.0	343.2	340.8	337.2	334.8	333.6	331.2	330.0
30°	365.9	365.9	365.9	365.9	362.3	357.5	355.1	351.6	348.0	348.0	345.6
32.5°	389.8	391.0	391.0	389.8	386.2	381.5	379.1	374.3	373.1	370.7	368.3
35°	423.3	423.3	423.3	420.9	416.1	412.5	410.1	406.6	405.4	401.8	395.8
37.5°	460.4	460.4	462.8	460.4	455.6	450.8	447.2	444.8	441.2	438.8	435.3
40°	503.4	503.4	504.6	501.0	496.2	493.9	490.3	485.5	483.1	481.9	474.7
42.5°	553.6	556.0	556.0	552.4	548.9	545.3	540.5	536.9	534.5	529.7	520.2
45°	614.6	613.4	615.8	612.2	609.8	608.6	601.5	593.1	594.3	583.5	572.8
47.5°	686.4	687.6	686.4	682.8	680.4	679.2	672.0	661.3	656.5	648.1	627.8
50°	759.3	760.5	759.3	756.9	759.3	752.1	743.8	734.2	733.0	722.2	691.2
52.5°	839.4	835.8	834.6	833.5	831.1	827.5	819.1	808.3	809.5	797.6	748.6
55°	919.5	916.0	910.0	907.6	905.2	899.2	892.0	888.5	887.3	875.3	809.5
57.5°	996.1	990.1	981.7	980.5	976.9	968.6	965.0	959.0	959.0	945.9	853.8
60°	1069.0	1061.8	1052.3	1047.5	1041.5	1034.3	1033.1	1029.6	1030.8	1023.6	901.6
62.5°	1136.0	1130.0	1118.0	1110.9	1101.3	1095.3	1096.5	1094.1	1098.9	1094.1	943.5
65°	1217.3	1210.1	1195.8	1180.2	1167.1	1157.5	1153.9	1161.1	1181.4	1186.2	999.7
67.5°	1268.7	1262.7	1241.2	1222.1	1204.1	1191.0	1194.6	1192.2	1202.9	1222.1	1009.2
70°	1171.9	1169.5	1147.9	1136.0	1122.8	1109.7	1110.9	1107.3	1115.7	1120.4	925.5
72.5°	1022.4	1034.3	1006.8	1005.6	997.3	998.5	985.3	994.9	988.9	988.9	819.1
75°	855.0	829.9	821.5	841.8	829.9	831.1	828.7	839.4	838.2	839.4	712.7
77.5°	560.8	565.6	554.8	576.4	587.1	605.1	613.4	642.1	631.4	629.0	564.4
80°	251.1	257.1	258.3	278.6	291.8	309.7	303.7	324.1	310.9	289.4	276.2
82.5°	56.2	56.2	63.4	81.3	86.1	89.7	89.7	93.3	74.1	45.4	37.1
85°	38.3	37.1	50.2	68.2	71.7	69.4	67.0	62.2	43.0	13.2	10.8
87.5°	25.1	26.3	40.7	56.2	58.6	55.0	51.4	46.6	31.1	3.6	2.4
90°	16.7	19.1	31.1	43.0	43.0	40.7	37.1	31.1	19.1	1.2	1.2
92.5°	8.4	9.6	15.5	19.1	17.9	15.5	14.3	12.0	7.2	1.2	1.2
95°	4.8	4.8	7.2	7.2	7.2	6.0	6.0	4.8	2.4	1.2	1.2
97.5°	3.6	3.6	4.8	4.8	3.6	3.6	3.6	2.4	1.2	1.2	1.2
100°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2
102.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
105°	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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	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	1.2
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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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	1.2	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	1.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	1.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	1.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
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	1.2	1.2	0.0	1.2	1.2
175°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
177.5°	0.0	0.0	0.0	0.0	0.0	1.2	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°	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1
2.5°	367.1	368.3	369.5	371.9	371.9	375.5	376.7	377.9	379.1	379.1
5°	357.5	358.7	362.3	364.7	368.3	370.7	374.3	375.5	376.7	377.9
7.5°	339.6	342.0	345.6	346.8	351.6	355.1	358.7	362.3	363.5	365.9
10°	321.7	322.9	324.1	327.6	330.0	334.8	339.6	342.0	344.4	344.4
12.5°	308.5	309.7	310.9	312.1	315.7	318.1	322.9	325.2	326.4	328.8
15°	300.1	300.1	302.5	302.5	304.9	308.5	310.9	314.5	315.7	318.1
17.5°	297.7	297.7	298.9	300.1	302.5	303.7	306.1	309.7	310.9	312.1
20°	298.9	300.1	300.1	301.3	303.7	304.9	307.3	308.5	309.7	310.9
22.5°	304.9	303.7	304.9	304.9	306.1	308.5	310.9	313.3	314.5	314.5
25°	313.3	312.1	312.1	314.5	315.7	316.9	320.5	321.7	322.9	322.9
27.5°	327.6	326.4	327.6	327.6	328.8	328.8	332.4	332.4	333.6	334.8
30°	342.0	338.4	338.4	338.4	339.6	342.0	343.2	345.6	346.8	346.8
32.5°	363.5	356.3	355.1	356.3	356.3	357.5	361.1	359.9	362.3	361.1
35°	391.0	383.8	381.5	381.5	381.5	381.5	385.0	382.6	385.0	383.8
37.5°	424.5	414.9	413.7	413.7	411.3	412.5	413.7	411.3	410.1	411.3
40°	460.4	443.6	442.4	443.6	443.6	443.6	443.6	442.4	441.2	442.4
42.5°	443.6	376.7	385.0	397.0	409.0	423.3	426.9	436.5	437.7	437.7
45°	387.4	217.6	229.6	247.5	254.7	259.5	272.6	293.0	298.9	300.1
47.5°	342.0	72.9	77.7	84.9	96.9	102.8	104.0	118.4	124.4	112.4
50°	338.4	16.7	12.0	12.0	13.2	10.8	10.8	12.0	12.0	12.0
52.5°	369.5	15.5	10.8	9.6	9.6	9.6	8.4	9.6	9.6	9.6
55°	401.8	15.5	10.8	9.6	9.6	9.6	8.4	8.4	8.4	8.4
57.5°	428.1	15.5	10.8	9.6	9.6	8.4	7.2	7.2	7.2	7.2
60°	459.2	15.5	10.8	9.6	9.6	7.2	6.0	6.0	6.0	6.0
62.5°	485.5	16.7	10.8	9.6	8.4	6.0	6.0	6.0	6.0	6.0
65°	523.7	16.7	10.8	8.4	6.0	4.8	4.8	4.8	4.8	4.8
67.5°	541.7	16.7	9.6	7.2	4.8	3.6	3.6	3.6	3.6	3.6
70°	487.9	13.2	7.2	4.8	3.6	3.6	3.6	3.6	3.6	3.6
72.5°	417.3	9.6	4.8	3.6	2.4	2.4	2.4	2.4	2.4	1.2
75°	332.4	6.0	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0
77.5°	233.2	4.8	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0
80°	96.9	3.6	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.3	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.8	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	1.2	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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 CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2

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	1.2	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°	1.2	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°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.2	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.2	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
145°	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
150°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.2	1.2	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)