

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: P691044

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691044
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-C013-5TLD-U-T3-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3207.9 lumens
Efficiency: N/A
Efficacy: 138.3 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): 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

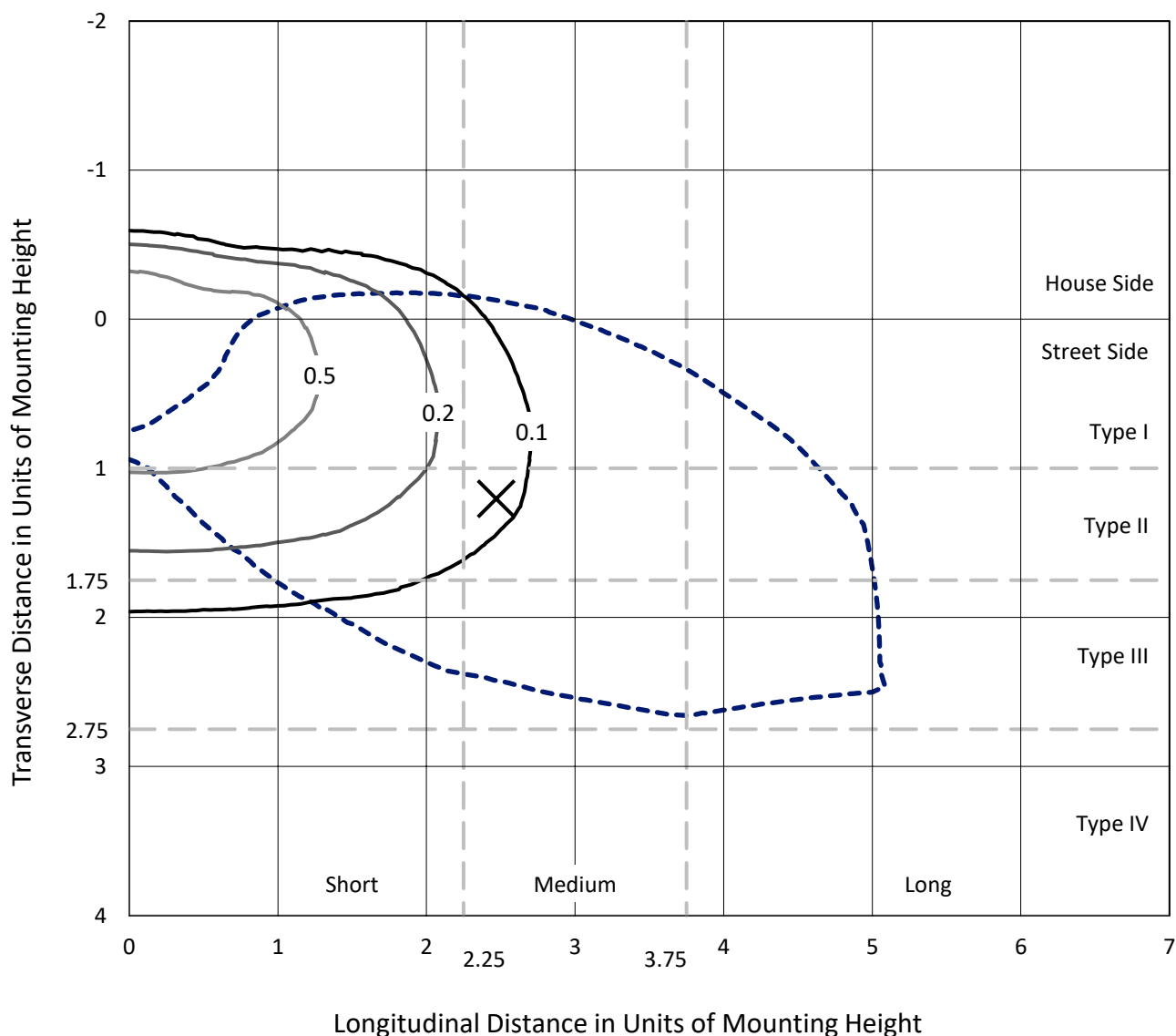


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Iso-Footcandle Lines of Horizontal Illumination

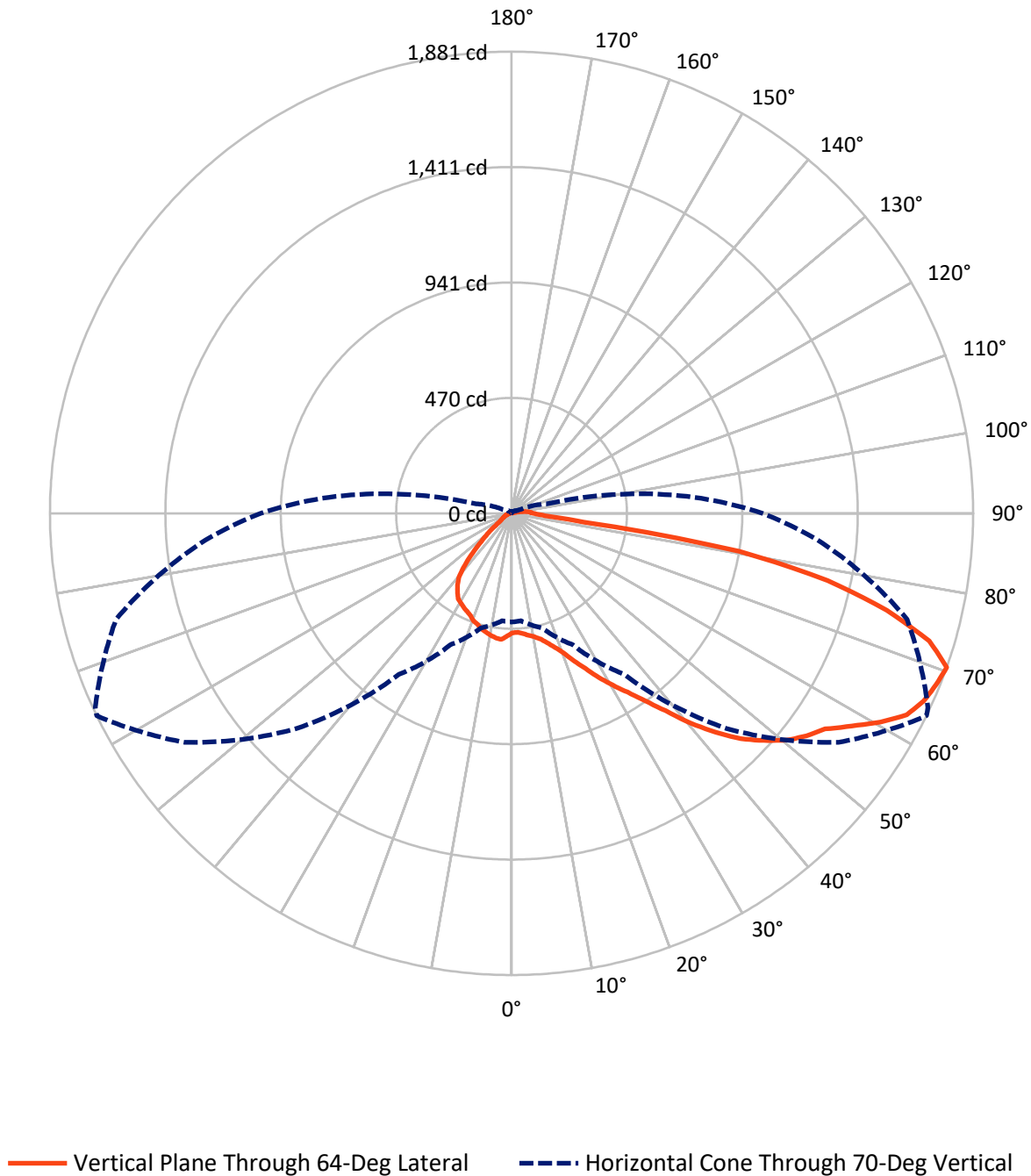
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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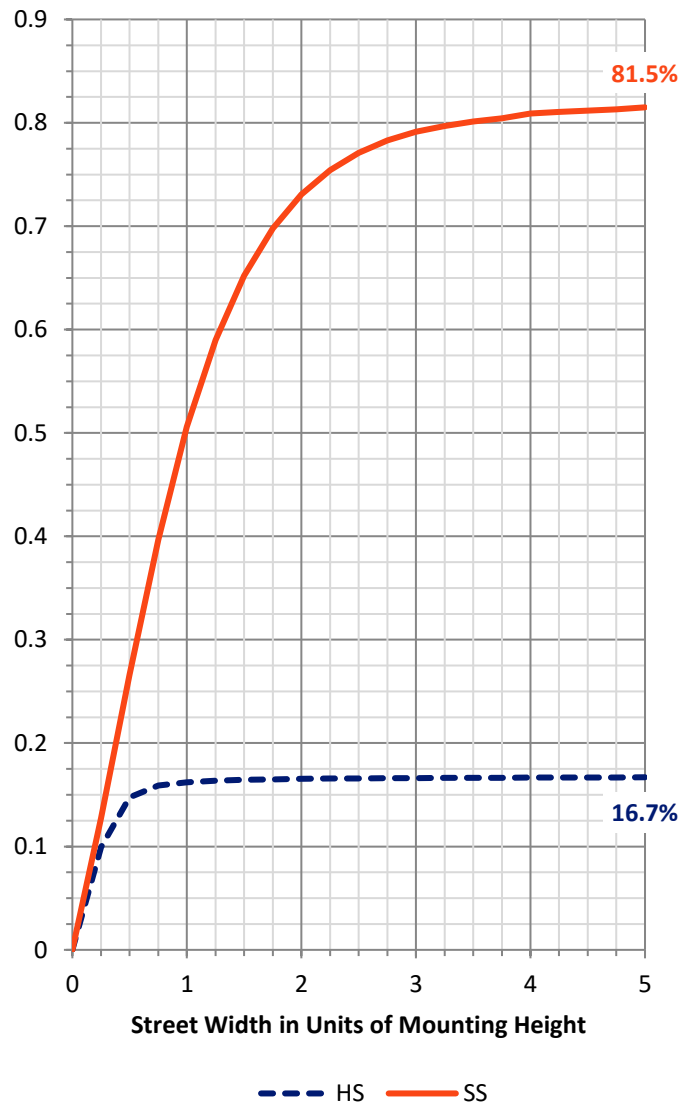
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	544.1	6.6	550.6
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	2630.3	27.0	2657.3
	% Fixture	82.0	0.8	82.8
Total	Lumens	3174.3	33.6	3207.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	1.5
10°-20°	147.9	4.6
20°-30°	255.6	8.0
30°-40°	379.3	11.8
40°-50°	521.0	16.2
50°-60°	632.7	19.7
60°-70°	672.1	21.0
70°-80°	444.1	13.8
80°-90°	73.5	2.3
90°-100°	27.4	0.9
100°-110°	4.6	0.1
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3174.3	99.0
0°-180°	3207.9	100.0

Coefficient of Utilization



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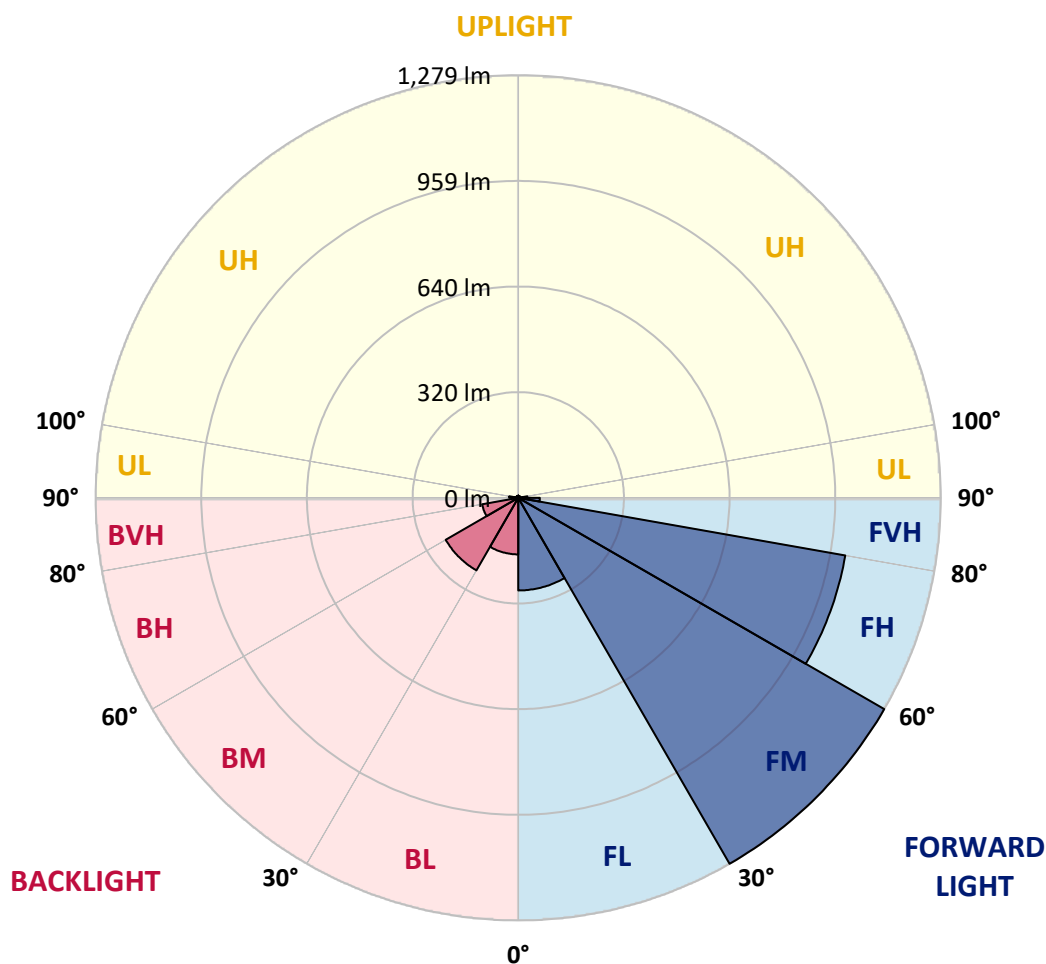
CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.4	8.7			
FM	(30°-60°)	1279.3	39.9			
FH	(60°-80°)	1005.3	31.3			G1/1800
FVH	(80°-90°)	65.3	2.0			G1/100
BL	(0°-30°)	171.3	5.3	B1/500		
BM	(30°-60°)	253.6	7.9	B1/1000		
BH	(60°-80°)	110.9	3.5	B1/500		G1/500
BVH	(80°-90°)	8.3	0.3			G0/10
UL	(90°-100°)	27.4	0.9		U2/50	
UH	(100°-180°)	6.2	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°	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6
2.5°	490.1	488.9	490.1	488.9	487.8	486.6	485.5	485.5	484.3	485.5	486.6
5°	511.9	513.0	510.7	506.1	500.4	495.8	493.5	492.4	492.4	493.5	498.1
7.5°	528.0	526.8	525.7	524.5	519.9	509.6	503.9	501.6	501.6	499.3	507.3
10°	556.6	554.4	548.6	541.7	537.1	525.7	515.3	511.9	510.7	511.9	518.8
12.5°	587.6	585.3	584.2	577.3	561.2	550.9	533.7	525.7	525.7	525.7	529.1
15°	632.4	629.0	617.5	609.4	595.7	578.5	558.9	547.5	547.5	549.8	540.6
17.5°	664.5	662.2	661.1	647.3	635.8	609.4	594.5	575.0	575.0	579.6	560.1
20°	697.8	695.5	696.7	694.4	677.2	656.5	630.1	607.1	607.1	608.3	580.8
22.5°	742.6	739.1	739.1	738.0	728.8	704.7	673.7	654.2	650.8	641.6	607.1
25°	787.3	786.2	783.9	785.0	782.8	755.2	721.9	700.1	700.1	687.5	642.7
27.5°	832.1	832.1	831.0	832.1	831.0	813.7	780.5	757.5	758.6	742.6	681.8
30°	864.2	863.1	871.1	874.6	876.9	870.0	837.8	812.6	814.9	798.8	727.7
32.5°	894.1	892.9	906.7	914.7	917.0	915.9	889.5	868.8	874.6	859.6	782.8
35°	921.6	920.5	938.8	959.5	968.7	966.4	949.2	937.7	943.4	942.3	857.4
37.5°	942.3	945.7	969.8	998.5	1014.6	1015.7	1007.7	1020.3	1027.2	1050.2	950.3
40°	966.4	966.4	989.3	1020.3	1049.0	1060.5	1067.4	1124.8	1131.7	1136.3	1012.3
42.5°	941.1	948.0	997.4	1043.3	1080.0	1106.4	1144.3	1218.9	1233.8	1199.4	1088.0
45°	921.6	927.4	977.9	1054.8	1107.6	1156.9	1228.1	1310.7	1322.2	1262.5	1128.2
47.5°	901.0	910.1	961.8	1046.7	1134.0	1218.9	1298.1	1383.0	1393.3	1316.4	1184.5
50°	876.9	887.2	942.3	1035.3	1147.7	1277.4	1361.2	1453.0	1454.2	1363.5	1215.4
52.5°	853.9	860.8	918.2	1020.3	1159.2	1322.2	1420.9	1505.8	1498.9	1423.2	1248.7
55°	814.9	828.7	889.5	999.7	1164.9	1347.4	1462.2	1550.6	1555.2	1487.5	1293.5
57.5°	779.3	788.5	852.8	969.8	1160.4	1362.4	1502.4	1634.4	1643.5	1544.8	1325.6
60°	734.5	740.3	802.3	928.5	1130.5	1387.6	1591.9	1727.3	1737.7	1599.9	1338.3
62.5°	678.3	678.3	740.3	873.4	1092.6	1406.0	1653.9	1807.7	1807.7	1643.5	1342.8
65°	606.0	609.4	664.5	798.8	1029.5	1395.6	1672.2	1845.5	1849.0	1674.5	1340.5
67.5°	536.0	534.8	583.0	701.3	934.3	1341.7	1658.5	1865.1	1878.8	1692.9	1310.7
70°	443.0	439.6	484.3	591.1	801.1	1239.5	1626.3	1881.1	1871.9	1668.8	1252.2
72.5°	340.9	337.4	370.7	452.2	631.3	1063.9	1532.2	1780.1	1764.1	1538.0	1131.7
75°	242.2	237.6	264.0	317.9	415.5	778.2	1314.1	1579.3	1560.9	1383.0	944.6
77.5°	137.7	133.1	157.2	200.9	251.4	440.7	995.1	1316.4	1341.7	1140.8	721.9
80°	60.8	58.5	68.9	96.4	141.2	210.0	541.7	941.1	906.7	778.2	410.9
82.5°	51.6	51.6	52.8	55.1	57.4	96.4	203.1	296.1	283.5	228.4	130.8
85°	44.8	43.6	45.9	48.2	49.4	63.1	118.2	142.3	140.0	126.3	90.7
87.5°	36.7	34.4	37.9	40.2	40.2	51.6	88.4	104.4	104.4	105.6	80.3
90°	32.1	32.1	29.8	29.8	31.0	36.7	67.7	86.1	88.4	109.0	93.0
92.5°	27.5	27.5	27.5	27.5	23.0	26.4	48.2	76.9	82.6	106.7	83.8
95°	26.4	25.3	26.4	24.1	23.0	24.1	36.7	67.7	74.6	94.1	73.5
97.5°	18.4	17.2	19.5	19.5	20.7	21.8	31.0	50.5	52.8	70.0	55.1
100°	12.6	11.5	11.5	11.5	14.9	14.9	25.3	31.0	32.1	44.8	36.7
102.5°	6.9	5.7	5.7	5.7	8.0	9.2	12.6	17.2	17.2	24.1	20.7
105°	2.3	2.3	3.4	3.4	3.4	4.6	4.6	5.7	5.7	6.9	9.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1



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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	1.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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°	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6	486.6
2.5°	487.8	490.1	495.8	499.3	503.9	508.4	511.9	511.9	515.3	513.0	511.9
5°	502.7	503.9	510.7	515.3	514.2	509.6	506.1	503.9	505.0	507.3	507.3
7.5°	513.0	517.6	511.9	511.9	510.7	505.0	498.1	491.2	487.8	486.6	486.6
10°	518.8	514.2	511.9	506.1	493.5	490.1	484.3	471.7	468.3	468.3	463.7
12.5°	522.2	519.9	507.3	497.0	485.5	467.1	454.5	452.2	441.9	440.7	441.9
15°	536.0	524.5	508.4	488.9	467.1	451.1	433.8	415.5	407.4	408.6	409.7
17.5°	545.2	534.8	506.1	475.2	455.6	425.8	406.3	396.0	383.3	383.3	383.3
20°	560.1	542.9	502.7	469.4	423.5	401.7	378.8	367.3	354.6	332.8	330.5
22.5°	579.6	557.8	501.6	452.2	410.9	375.3	342.0	306.4	288.1	275.5	272.0
25°	603.7	578.5	509.6	444.2	386.8	343.2	300.7	252.5	218.1	211.2	211.2
27.5°	645.0	604.9	519.9	436.1	373.0	307.6	241.0	198.6	168.7	159.5	158.4
30°	685.2	638.1	523.4	428.1	346.6	259.4	185.9	141.2	114.8	103.3	101.0
32.5°	748.3	684.0	553.2	421.2	316.8	208.9	132.0	89.5	67.7	60.8	59.7
35°	812.6	746.0	563.5	402.9	262.8	152.6	75.8	48.2	36.7	31.0	29.8
37.5°	895.2	824.1	594.5	383.3	208.9	87.2	42.5	26.4	23.0	23.0	23.0
40°	943.4	858.5	622.1	358.1	143.5	44.8	25.3	20.7	20.7	19.5	19.5
42.5°	1005.4	901.0	646.2	308.7	75.8	27.5	21.8	19.5	17.2	17.2	17.2
45°	1041.0	928.5	638.1	247.9	35.6	25.3	20.7	17.2	16.1	16.1	16.1
47.5°	1084.6	962.9	620.9	183.6	31.0	23.0	19.5	16.1	14.9	16.1	16.1
50°	1128.2	997.4	577.3	141.2	28.7	21.8	17.2	13.8	13.8	14.9	14.9
52.5°	1150.0	1021.5	525.7	97.6	28.7	20.7	16.1	13.8	12.6	12.6	12.6
55°	1175.3	1027.2	482.0	64.3	27.5	19.5	14.9	11.5	11.5	10.3	10.3
57.5°	1189.0	1012.3	449.9	53.9	26.4	18.4	13.8	10.3	9.2	8.0	8.0
60°	1183.3	990.5	422.4	47.1	24.1	17.2	12.6	9.2	6.9	5.7	5.7
62.5°	1171.8	972.1	371.9	41.3	23.0	14.9	10.3	8.0	5.7	4.6	4.6
65°	1159.2	922.8	313.3	35.6	20.7	13.8	9.2	6.9	4.6	3.4	3.4
67.5°	1100.7	857.4	229.5	32.1	19.5	12.6	8.0	5.7	4.6	3.4	3.4
70°	1023.8	748.3	148.1	27.5	17.2	11.5	8.0	4.6	3.4	2.3	2.3
72.5°	871.1	610.6	74.6	24.1	16.1	11.5	6.9	4.6	3.4	2.3	1.1
75°	711.6	455.6	48.2	20.7	14.9	11.5	6.9	4.6	2.3	1.1	1.1
77.5°	509.6	246.8	36.7	18.4	12.6	11.5	5.7	3.4	2.3	2.3	1.1
80°	212.3	89.5	29.8	14.9	11.5	10.3	5.7	3.4	2.3	2.3	1.1
82.5°	89.5	62.0	26.4	12.6	10.3	10.3	4.6	3.4	2.3	2.3	2.3
85°	70.0	51.6	23.0	11.5	9.2	11.5	4.6	3.4	3.4	3.4	3.4
87.5°	65.4	52.8	20.7	10.3	9.2	8.0	4.6	3.4	5.7	5.7	6.9
90°	73.5	55.1	16.1	9.2	8.0	6.9	3.4	2.3	2.3	0.0	0.0
92.5°	67.7	50.5	11.5	6.9	10.3	4.6	2.3	0.0	0.0	0.0	0.0
95°	58.5	42.5	6.9	4.6	11.5	5.7	1.1	0.0	0.0	0.0	0.0
97.5°	43.6	31.0	4.6	2.3	9.2	6.9	1.1	0.0	0.0	0.0	0.0
100°	31.0	19.5	3.4	2.3	5.7	6.9	1.1	0.0	0.0	0.0	0.0
102.5°	17.2	10.3	2.3	1.1	2.3	2.3	0.0	0.0	0.0	0.0	0.0
105°	8.0	3.4	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
115°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
122.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
125°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
127.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
130°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
132.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
135°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
140°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
145°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
150°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
157.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.1	1.1	1.1	1.1	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)