

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: P691012

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3106.9 lumens
Efficiency: N/A
Efficacy: 133.9 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): 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



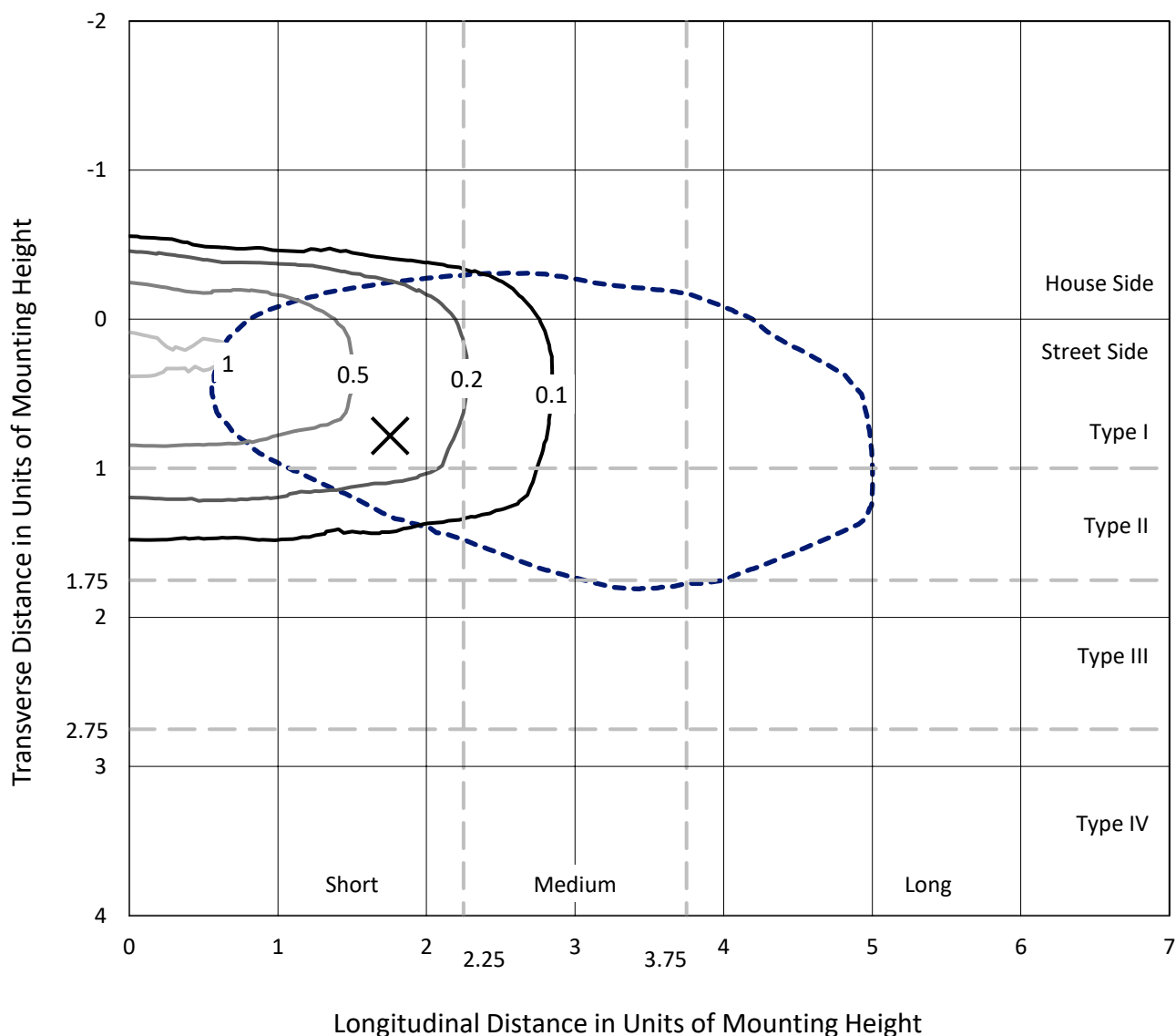
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



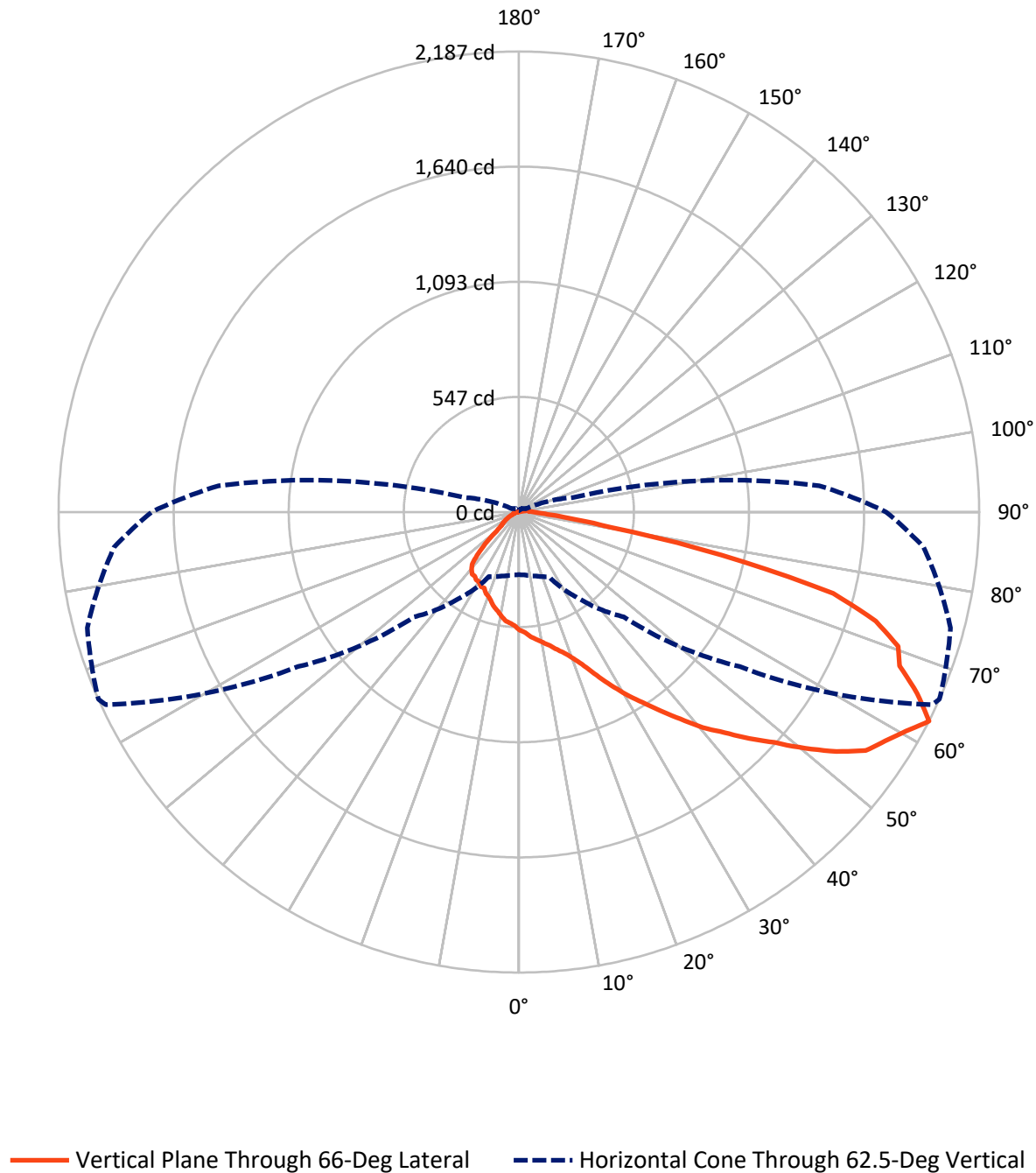
Based on 25 foot mounting height. Maximum calculated value = 1.1 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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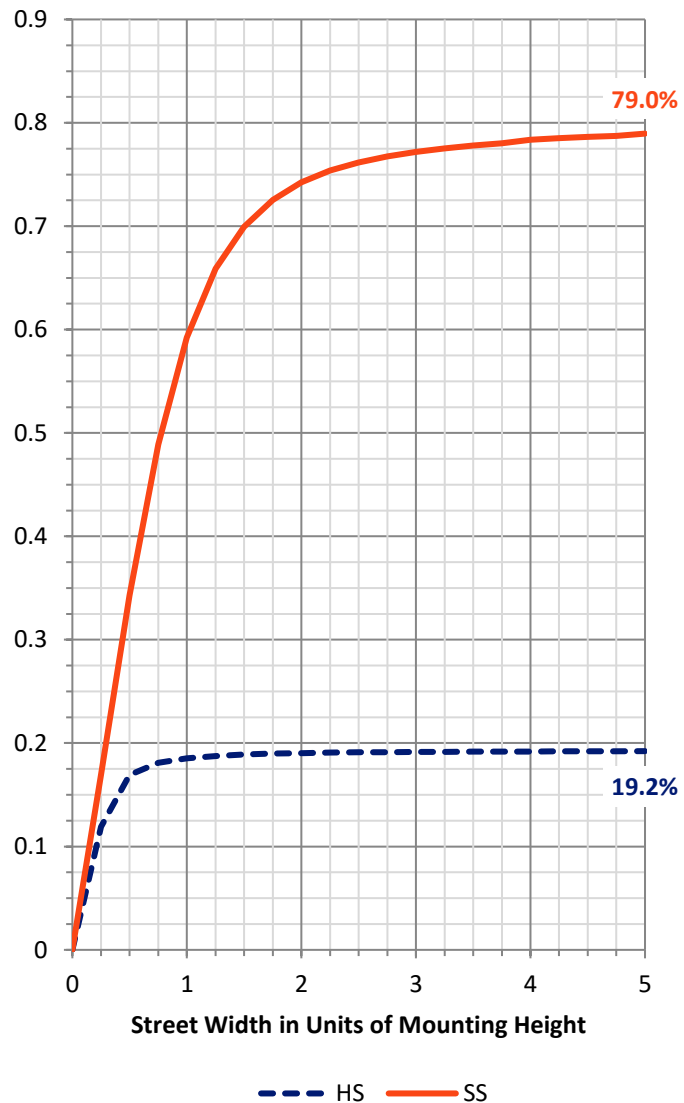
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	605.8	8.5	614.2
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	2469.0	23.7	2492.7
	% Fixture	79.5	0.8	80.2
Total	Lumens	3074.8	32.1	3106.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	1.7
10°-20°	156.3	5.0
20°-30°	263.1	8.5
30°-40°	391.2	12.6
40°-50°	517.6	16.7
50°-60°	602.6	19.4
60°-70°	601.6	19.4
70°-80°	403.7	13.0
80°-90°	85.3	2.7
90°-100°	26.0	0.8
100°-110°	4.5	0.1
110°-120°	0.3	0.0
120°-130°	0.4	0.0
130°-140°	0.4	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°	3074.8	99.0
0°-180°	3106.9	100.0

Coefficient of Utilization



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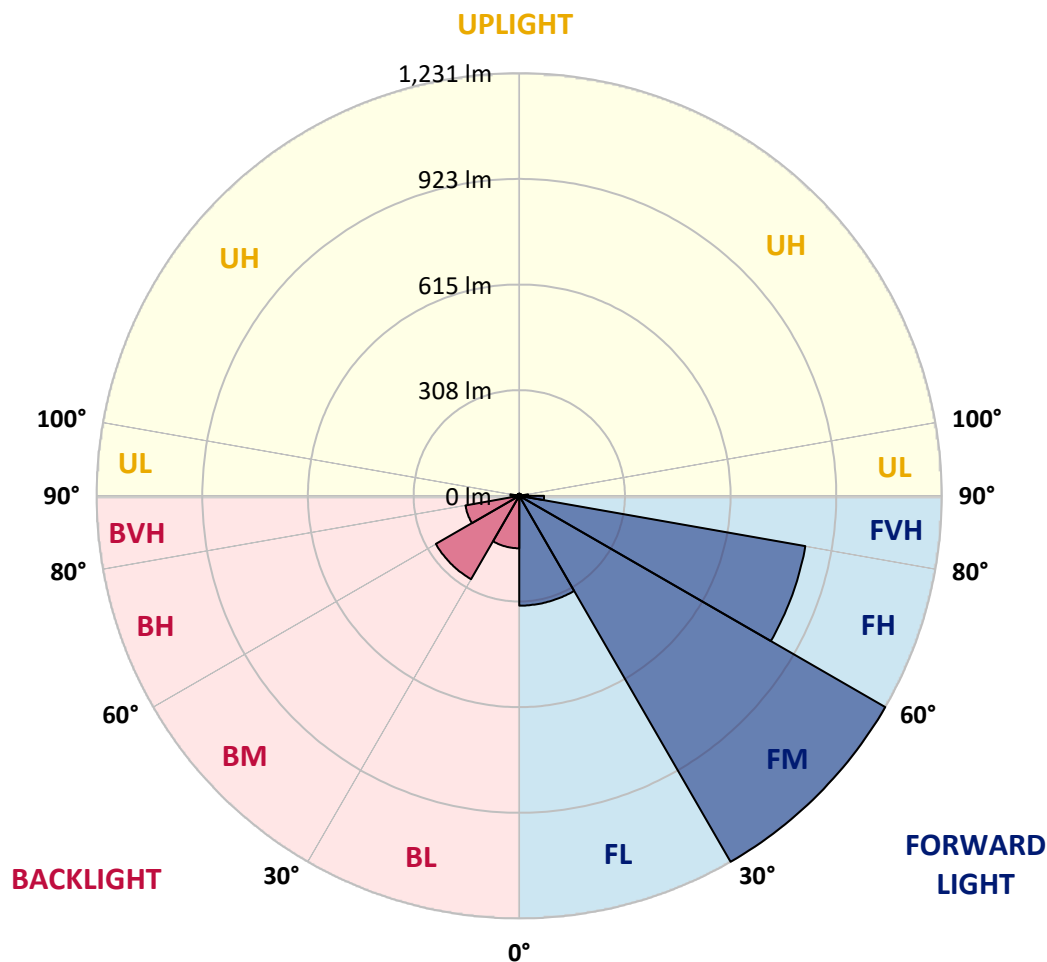
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	319.9	10.3			
FM	(30°-60°)	1230.9	39.6			
FH	(60°-80°)	846.0	27.2			G1/1800
FVH	(80°-90°)	72.2	2.3			G1/100
BL	(0°-30°)	152.8	4.9	B1/500		
BM	(30°-60°)	280.5	9.0	B1/1000		
BH	(60°-80°)	159.3	5.1	B1/500		G1/500
BVH	(80°-90°)	13.1	0.4			G1/100
UL	(90°-100°)	26.0	0.8		U2/50	
UH	(100°-180°)	6.2	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°	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3
2.5°	599.2	595.8	596.9	591.2	585.4	582.0	578.6	572.8	572.8	568.2	562.5
5°	641.7	642.8	641.7	634.8	627.9	617.6	605.0	594.6	594.6	584.3	570.5
7.5°	670.4	669.2	669.2	661.2	656.6	650.9	636.0	613.0	611.8	598.1	580.9
10°	681.9	683.0	687.6	676.1	671.5	663.5	655.5	632.5	630.2	607.3	579.7
12.5°	707.1	708.3	706.0	696.8	691.1	685.3	672.7	653.2	650.9	625.6	587.7
15°	737.0	737.0	733.5	724.3	720.9	712.9	697.9	679.6	677.3	648.6	602.7
17.5°	753.0	755.3	755.3	742.7	743.9	740.4	732.4	708.3	704.8	678.4	623.3
20°	761.1	762.2	764.5	764.5	763.4	762.2	766.8	745.0	742.7	711.7	647.4
22.5°	784.0	786.3	792.1	788.6	792.1	796.7	797.8	796.7	793.2	759.9	687.6
25°	794.4	801.3	809.3	819.6	830.0	836.8	852.9	861.0	858.7	826.5	750.7
27.5°	782.9	789.8	818.5	838.0	870.1	889.6	919.5	932.1	931.0	904.6	816.2
30°	802.4	804.7	817.3	844.9	886.2	940.2	981.5	1001.0	1005.6	981.5	885.1
32.5°	773.7	781.7	817.3	869.0	931.0	988.4	1028.5	1072.2	1077.9	1067.6	975.7
35°	771.4	777.2	796.7	852.9	932.1	1038.9	1094.0	1153.7	1158.3	1161.7	1067.6
37.5°	739.3	747.3	786.3	857.5	966.6	1072.2	1149.1	1235.2	1246.7	1260.4	1144.5
40°	703.7	709.4	742.7	818.5	958.5	1111.2	1201.9	1333.9	1345.4	1362.6	1246.7
42.5°	650.9	663.5	719.8	801.3	953.9	1122.7	1254.7	1421.1	1431.5	1455.6	1332.8
45°	603.8	609.6	653.2	742.7	917.2	1143.3	1299.5	1523.3	1533.6	1545.1	1400.5
47.5°	567.1	574.0	615.3	695.6	880.5	1138.8	1340.8	1624.3	1635.8	1662.2	1484.3
50°	450.0	467.2	571.7	649.7	819.6	1129.6	1376.4	1736.8	1763.2	1773.6	1571.5
52.5°	386.9	392.6	446.5	608.4	759.9	1096.3	1407.4	1859.7	1889.5	1870.0	1688.6
55°	360.5	363.9	390.3	526.9	706.0	1028.5	1432.6	1977.9	1999.7	1937.7	1774.7
57.5°	340.9	346.7	358.2	427.0	642.8	914.9	1433.8	2043.3	2051.4	1994.0	1816.0
60°	315.7	318.0	342.1	371.9	571.7	796.7	1394.7	2076.6	2112.2	2059.4	1899.8
62.5°	297.3	299.6	314.5	338.6	503.9	703.7	1279.9	2165.0	2186.8	2122.5	1930.8
65°	274.4	277.8	290.4	314.5	456.9	647.4	1222.5	2142.0	2078.9	2107.6	1966.4
67.5°	250.2	252.5	266.3	284.7	389.1	593.5	1080.2	1996.3	1950.3	2033.0	1871.1
70°	225.0	227.3	239.9	252.5	320.3	526.9	900.0	1872.3	1911.3	1915.9	1781.6
72.5°	198.6	200.9	212.4	222.7	265.2	443.1	715.2	1748.3	1772.4	1702.4	1573.8
75°	172.2	173.3	182.5	192.9	220.4	357.0	512.0	1449.8	1541.7	1626.6	1358.0
77.5°	138.9	141.2	150.4	153.8	176.8	288.1	331.8	862.1	982.6	1423.4	1219.1
80°	102.2	103.3	112.5	111.3	132.0	210.1	208.9	409.8	440.8	879.3	895.4
82.5°	67.7	70.0	78.1	75.8	89.5	127.4	130.9	220.4	235.3	340.9	392.6
85°	54.0	55.1	59.7	55.1	59.7	64.3	72.3	133.2	135.5	202.0	200.9
87.5°	43.6	44.8	49.4	45.9	47.1	49.4	57.4	84.9	87.2	127.4	132.0
90°	34.4	35.6	41.3	37.9	37.9	41.3	48.2	63.1	66.6	99.9	107.9
92.5°	23.0	23.0	26.4	25.3	25.3	29.8	42.5	47.1	50.5	93.0	97.6
95°	17.2	17.2	18.4	18.4	18.4	21.8	32.1	44.8	49.4	90.7	88.4
97.5°	11.5	11.5	12.6	12.6	12.6	13.8	18.4	36.7	41.3	73.5	72.3
100°	8.0	8.0	8.0	6.9	6.9	6.9	10.3	24.1	27.6	47.1	47.1
102.5°	5.7	4.6	4.6	4.6	3.4	3.4	4.6	11.5	12.6	25.3	24.1
105°	1.1	1.1	2.3	2.3	2.3	1.1	1.1	4.6	4.6	10.3	10.3
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	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	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	0.0	1.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	1.1
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	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	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	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	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3
2.5°	559.0	555.6	547.6	540.7	534.9	529.2	520.0	516.6	514.3	517.7	517.7
5°	562.5	553.3	539.5	528.0	517.7	505.1	491.3	483.3	476.4	479.8	479.8
7.5°	568.2	555.6	538.4	518.9	492.5	470.7	453.4	443.1	437.4	440.8	443.1
10°	564.8	551.0	528.0	498.2	467.2	444.3	422.4	406.4	400.6	398.3	400.6
12.5°	568.2	552.2	513.1	477.5	447.7	411.0	384.6	367.3	360.5	360.5	360.5
15°	579.7	555.6	503.9	462.6	416.7	381.1	353.6	335.2	332.9	324.9	324.9
17.5°	595.8	559.0	500.5	439.7	389.1	352.4	320.3	301.9	296.2	297.3	297.3
20°	611.8	565.9	493.6	420.1	363.9	320.3	287.0	269.8	256.0	251.4	253.7
22.5°	639.4	585.4	487.9	409.8	335.2	293.9	257.1	228.4	205.5	198.6	195.1
25°	679.6	616.4	495.9	385.7	318.0	264.0	220.4	180.2	152.7	145.8	144.6
27.5°	753.0	664.7	505.1	385.7	290.4	237.6	175.6	133.2	111.3	104.5	106.8
30°	821.9	730.1	531.5	365.0	278.9	190.6	130.9	99.9	80.4	72.3	74.6
32.5°	879.3	792.1	568.2	360.5	245.7	141.2	95.3	70.0	56.2	51.7	52.8
35°	962.0	844.9	596.9	344.4	202.0	103.3	66.6	49.4	43.6	41.3	41.3
37.5°	1041.2	909.2	625.6	340.9	149.2	75.8	44.8	40.2	39.0	35.6	35.6
40°	1116.9	974.6	638.3	321.4	105.6	49.4	37.9	36.7	35.6	32.1	32.1
42.5°	1209.9	1037.7	649.7	296.2	73.5	36.7	33.3	34.4	33.3	29.8	28.7
45°	1281.1	1080.2	653.2	231.9	47.1	34.4	31.0	32.1	31.0	27.6	27.6
47.5°	1340.8	1137.6	639.4	158.4	39.0	32.1	28.7	29.8	28.7	26.4	25.3
50°	1401.6	1190.4	626.8	84.9	36.7	31.0	27.6	25.3	26.4	24.1	23.0
52.5°	1484.3	1229.4	593.5	51.7	34.4	28.7	25.3	23.0	23.0	20.7	21.8
55°	1597.9	1325.9	531.5	48.2	33.3	27.6	24.1	20.7	20.7	18.4	18.4
57.5°	1648.4	1363.7	431.6	43.6	32.1	27.6	21.8	18.4	16.1	14.9	13.8
60°	1710.4	1420.0	339.8	40.2	29.8	26.4	19.5	16.1	12.6	11.5	11.5
62.5°	1744.9	1431.5	265.2	36.7	28.7	23.0	17.2	12.6	10.3	8.0	8.0
65°	1762.1	1423.4	176.8	33.3	26.4	21.8	14.9	10.3	6.9	5.7	5.7
67.5°	1696.6	1381.0	102.2	31.0	25.3	19.5	12.6	8.0	5.7	4.6	3.4
70°	1585.3	1257.0	64.3	27.6	24.1	17.2	11.5	6.9	4.6	3.4	2.3
72.5°	1454.4	1026.3	47.1	25.3	23.0	14.9	9.2	5.7	3.4	2.3	2.3
75°	1328.2	894.2	40.2	21.8	19.5	12.6	8.0	4.6	3.4	2.3	1.1
77.5°	950.5	609.6	35.6	19.5	17.2	10.3	5.7	4.6	2.3	1.1	1.1
80°	675.0	358.2	32.1	16.1	13.8	8.0	5.7	3.4	2.3	1.1	1.1
82.5°	323.7	186.0	31.0	13.8	10.3	6.9	4.6	3.4	2.3	1.1	1.1
85°	146.9	79.2	23.0	12.6	9.2	6.9	4.6	3.4	2.3	2.3	1.1
87.5°	89.5	41.3	18.4	10.3	6.9	5.7	3.4	2.3	2.3	2.3	2.3
90°	83.8	54.0	13.8	8.0	5.7	4.6	3.4	1.1	0.0	0.0	0.0
92.5°	80.4	62.0	10.3	5.7	3.4	3.4	1.1	0.0	0.0	0.0	0.0
95°	75.8	58.5	11.5	3.4	5.7	2.3	1.1	0.0	0.0	0.0	0.0
97.5°	59.7	45.9	12.6	3.4	28.7	2.3	1.1	0.0	0.0	0.0	0.0
100°	37.9	28.7	9.2	3.4	34.4	2.3	0.0	0.0	0.0	0.0	0.0
102.5°	21.8	16.1	4.6	3.4	10.3	1.1	0.0	0.0	0.0	0.0	0.0
105°	9.2	8.0	2.3	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
107.5°	2.3	2.3	1.1	1.1	1.1	1.1	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-T2-7030-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	1.1	0.0	0.0	0.0	0.0	0.0
117.5°	1.1	1.1	1.1	1.1	1.1	1.1	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	1.1	0.0	0.0	0.0	0.0
125°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
127.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
130°	1.1	1.1	1.1	2.3	1.1	1.1	1.1	0.0	0.0	0.0	0.0
132.5°	1.1	1.1	1.1	2.3	1.1	1.1	1.1	0.0	0.0	0.0	0.0
135°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
145°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
150°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
157.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
160°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
162.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
165°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
167.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
170°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
172.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.1	1.1	1.1	1.1	1.1	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)