

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: P691051

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3502.9 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

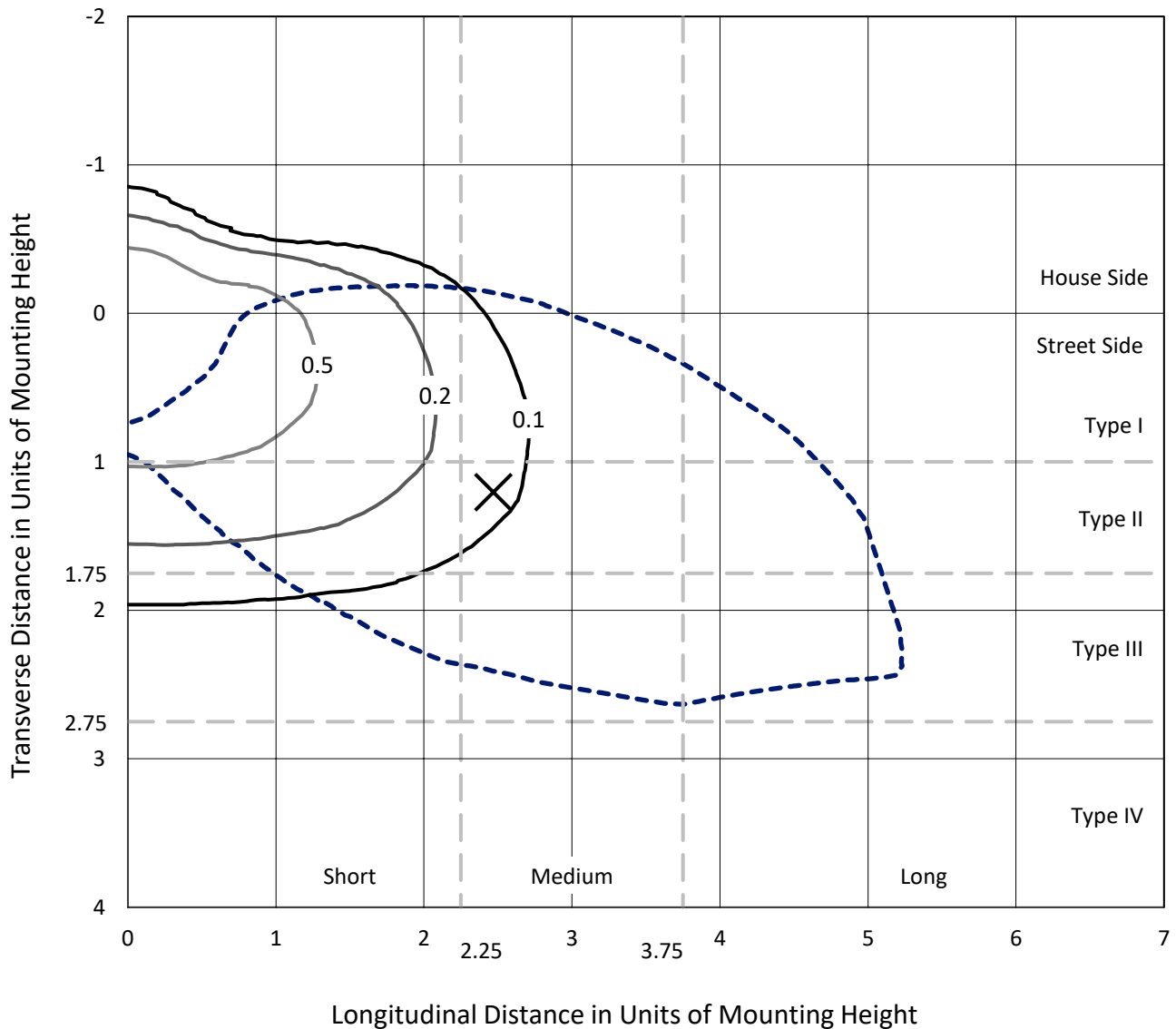
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

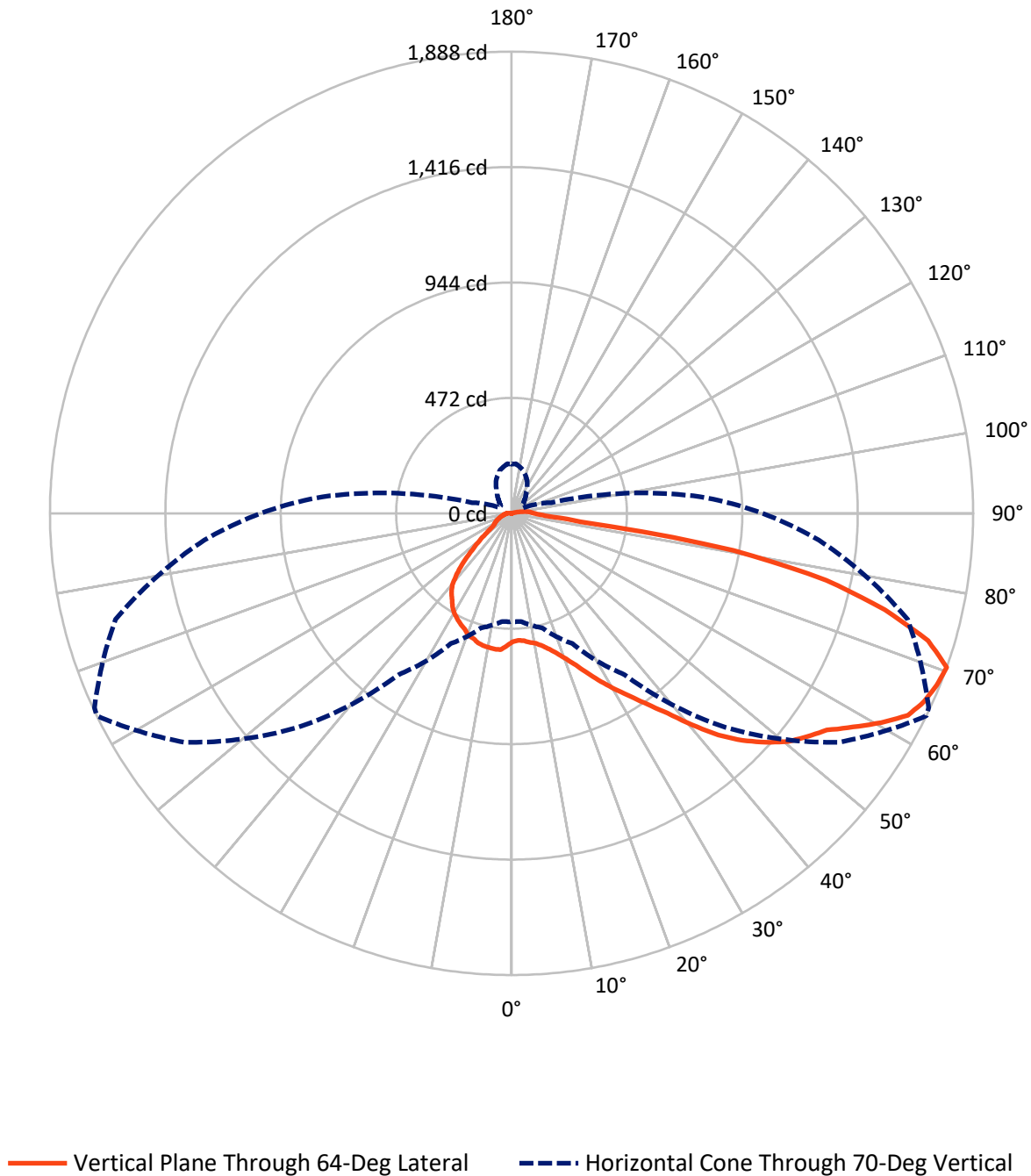
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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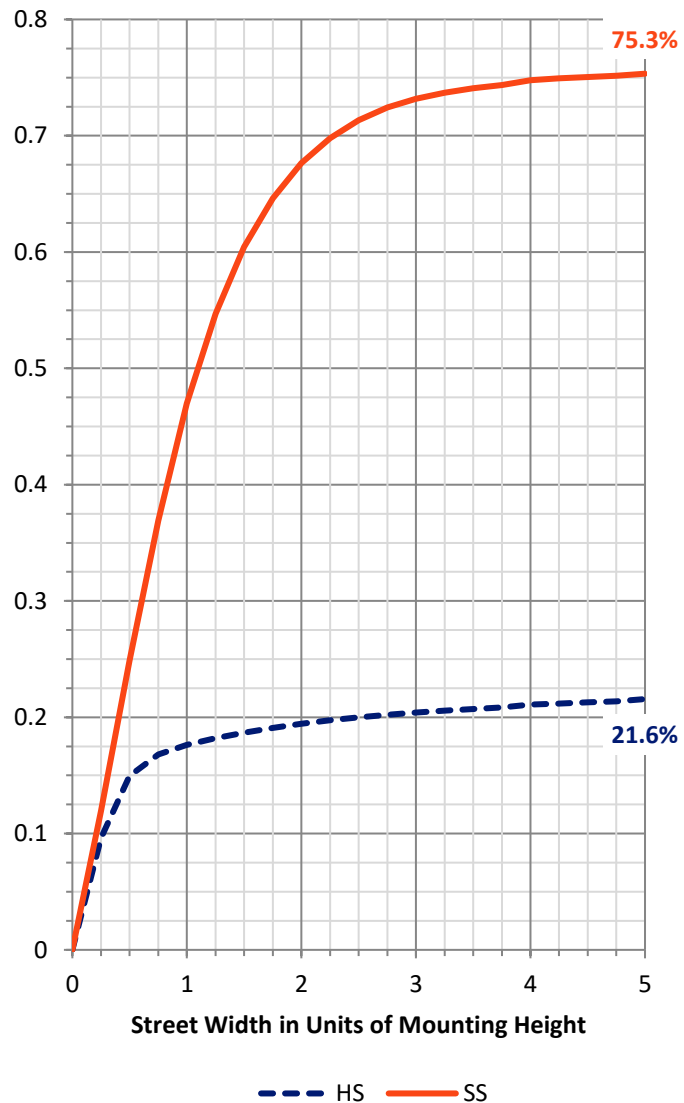
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	798.6	21.6	820.2
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	2654.8	27.9	2682.8
	% Fixture	75.8	0.8	76.6
Total	Lumens	3453.4	49.5	3502.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	1.5
10°-20°	163.1	4.7
20°-30°	282.9	8.1
30°-40°	410.6	11.7
40°-50°	551.0	15.7
50°-60°	666.2	19.0
60°-70°	717.1	20.5
70°-80°	492.5	14.1
80°-90°	117.5	3.4
90°-100°	42.5	1.2
100°-110°	5.3	0.2
110°-120°	0.4	0.0
120°-130°	0.4	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°	3453.4	98.6
0°-180°	3502.9	100.0

Coefficient of Utilization



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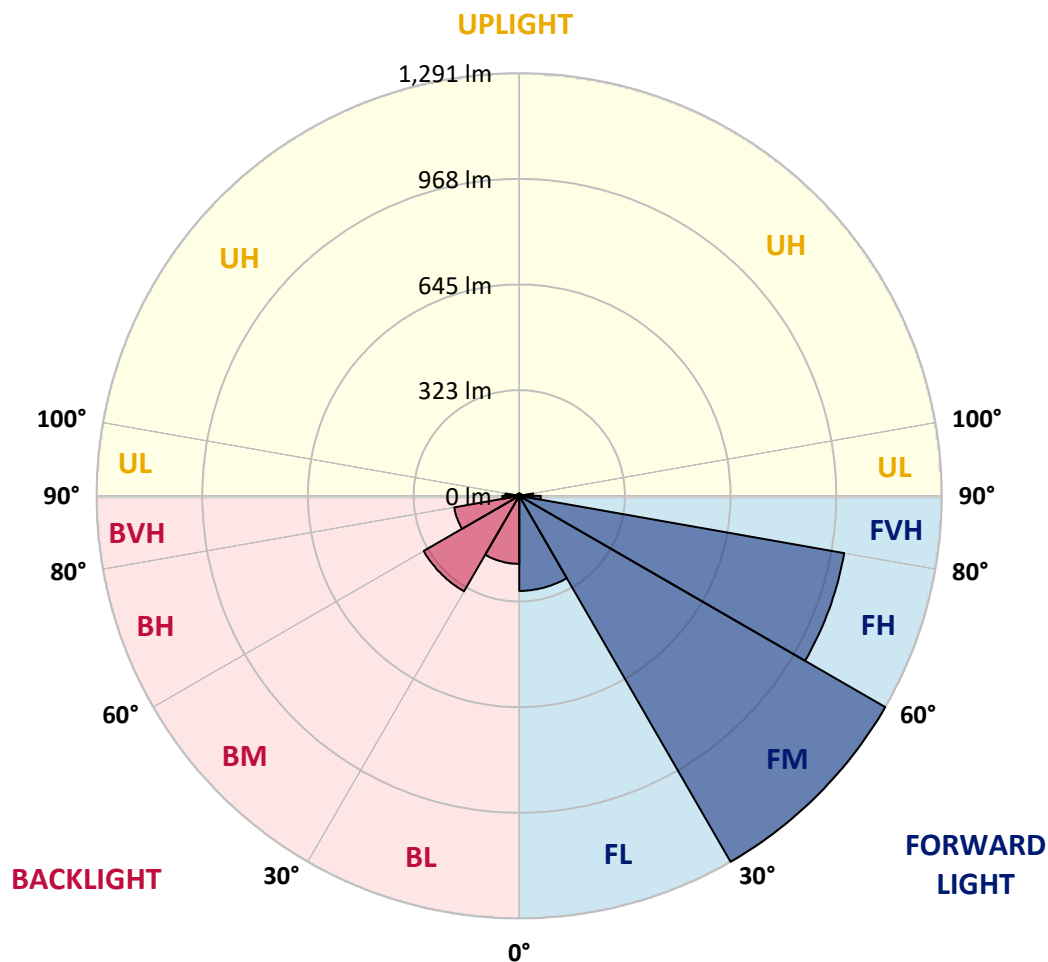
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	290.4	8.3			
FM	(30°-60°)	1290.8	36.8			
FH	(60°-80°)	1007.9	28.8			G1/1800
FVH	(80°-90°)	65.7	1.9			G1/100
BL	(0°-30°)	208.0	5.9	B1/500		
BM	(30°-60°)	337.0	9.6	B1/1000		
BH	(60°-80°)	201.8	5.8	B1/500		G1/500
BVH	(80°-90°)	51.8	1.5			G1/100
UL	(90°-100°)	42.5	1.2		U2/50	
UH	(100°-180°)	7.0	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°	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7
2.5°	521.1	521.1	520.0	520.0	521.1	522.3	521.1	520.0	521.1	522.3	525.7
5°	541.8	540.6	539.5	534.9	530.3	526.9	524.6	523.4	524.6	529.2	537.2
7.5°	555.6	554.4	554.4	553.3	548.7	539.5	533.8	532.6	532.6	533.8	544.1
10°	584.3	582.0	577.4	569.3	564.7	553.3	542.9	540.6	540.6	542.9	555.6
12.5°	615.3	610.7	611.8	602.6	588.9	576.2	561.3	555.6	553.3	555.6	562.5
15°	657.7	654.3	645.1	634.8	621.0	603.8	585.4	576.2	575.1	578.5	572.8
17.5°	688.7	684.1	685.3	670.4	658.9	635.9	618.7	601.5	601.5	606.1	591.2
20°	720.9	718.6	722.0	718.6	701.3	680.7	655.4	634.8	631.3	633.6	611.8
22.5°	762.2	758.7	758.7	759.9	746.1	725.5	695.6	674.9	673.8	664.6	634.8
25°	804.7	801.2	800.1	802.4	800.1	776.0	745.0	724.3	720.9	708.2	665.8
27.5°	844.8	844.8	846.0	848.3	851.7	832.2	802.4	779.4	779.4	765.6	707.1
30°	874.7	874.7	885.0	889.6	893.0	888.4	856.3	834.5	836.8	818.4	754.1
32.5°	902.2	903.4	914.8	926.3	929.8	933.2	905.7	891.9	891.9	874.7	804.7
35°	929.8	929.8	945.8	968.8	980.3	976.8	964.2	959.6	960.8	957.3	879.3
37.5°	951.6	953.9	978.0	1006.7	1022.7	1028.5	1021.6	1036.5	1050.3	1060.6	976.8
40°	973.4	973.4	996.3	1027.3	1056.0	1072.1	1081.3	1137.5	1147.9	1151.3	1031.9
42.5°	950.4	956.2	1004.4	1050.3	1087.0	1114.6	1155.9	1239.7	1252.3	1213.3	1106.5
45°	928.6	935.5	983.7	1060.6	1113.4	1168.5	1239.7	1324.6	1335.0	1276.4	1151.3
47.5°	906.8	914.8	967.6	1051.4	1137.5	1228.2	1305.1	1399.2	1403.8	1328.1	1201.8
50°	883.9	891.9	948.1	1041.1	1152.5	1289.1	1370.6	1467.0	1467.0	1374.0	1231.7
52.5°	855.2	864.3	921.7	1025.0	1163.9	1330.4	1430.2	1516.3	1507.1	1429.1	1264.9
55°	818.4	831.1	891.9	1002.1	1168.5	1352.2	1468.1	1564.5	1562.2	1496.8	1307.4
57.5°	779.4	789.7	855.2	972.2	1163.9	1367.1	1508.3	1648.3	1651.8	1555.4	1340.7
60°	735.8	742.7	805.8	930.9	1134.1	1393.5	1599.0	1737.9	1742.5	1609.3	1353.3
62.5°	678.4	683.0	742.7	874.7	1093.9	1410.7	1664.4	1819.4	1817.1	1657.5	1355.6
65°	606.1	611.8	668.1	800.1	1034.2	1399.2	1680.5	1854.9	1857.2	1680.5	1352.2
67.5°	536.1	539.5	586.6	701.3	937.8	1344.1	1664.4	1875.6	1885.9	1700.0	1318.9
70°	443.1	444.2	485.5	587.7	804.7	1238.5	1632.3	1888.2	1882.5	1677.0	1261.5
72.5°	340.9	342.1	373.1	450.0	625.6	1054.9	1518.6	1781.5	1771.2	1550.8	1137.5
75°	242.2	246.8	265.2	315.7	419.0	770.2	1299.4	1577.2	1584.1	1379.7	948.1
77.5°	137.7	142.3	157.3	197.4	241.1	431.6	981.4	1315.5	1320.0	1160.5	727.7
80°	59.7	60.8	66.6	94.1	128.6	206.6	502.8	921.7	988.3	788.6	415.5
82.5°	50.5	50.5	52.8	55.1	56.2	94.1	195.1	285.8	295.0	233.0	135.4
85°	43.6	43.6	45.9	48.2	49.4	64.3	118.2	143.5	149.2	133.2	95.3
87.5°	34.4	34.4	37.9	40.2	40.2	52.8	88.4	106.8	110.2	106.8	84.9
90°	31.0	31.0	29.8	29.8	31.0	37.9	68.9	89.5	93.0	113.6	97.6
92.5°	26.4	27.5	27.5	27.5	24.1	27.5	49.4	79.2	86.1	112.5	88.4
95°	26.4	25.3	25.3	24.1	23.0	24.1	36.7	68.9	76.9	97.6	74.6
97.5°	18.4	17.2	18.4	19.5	20.7	21.8	31.0	50.5	56.2	75.8	55.1
100°	11.5	11.5	11.5	11.5	13.8	14.9	25.3	31.0	34.4	48.2	36.7
102.5°	6.9	5.7	5.7	5.7	6.9	9.2	12.6	17.2	18.4	27.5	21.8
105°	2.3	2.3	2.3	2.3	3.4	4.6	4.6	6.9	6.9	9.2	9.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	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	1.1	1.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	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	1.1	0.0	1.1	1.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	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	1.1	1.1	1.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	1.1	1.1
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	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°	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7	525.7
2.5°	528.0	530.3	534.9	540.6	547.5	553.3	557.9	559.0	561.3	561.3	563.6
5°	539.5	544.1	551.0	559.0	562.5	560.2	560.2	561.3	563.6	569.3	571.6
7.5°	552.1	555.6	555.6	559.0	565.9	563.6	562.5	561.3	561.3	559.0	562.5
10°	556.7	552.1	557.9	556.7	554.4	559.0	560.2	553.3	554.4	554.4	555.6
12.5°	557.9	557.9	553.3	553.3	553.3	542.9	540.6	546.4	540.6	542.9	541.8
15°	570.5	561.3	555.6	548.7	539.5	536.1	528.0	518.8	518.8	521.1	521.1
17.5°	579.7	570.5	553.3	534.9	531.5	515.4	509.7	507.4	506.2	507.4	509.7
20°	593.4	579.7	551.0	532.6	502.8	497.0	486.7	485.5	483.3	475.2	472.9
22.5°	611.8	590.0	549.8	513.1	489.0	469.5	451.1	439.6	438.5	432.7	429.3
25°	632.5	610.7	554.4	503.9	463.7	435.0	420.1	393.7	381.1	385.7	383.4
27.5°	674.9	634.8	562.5	491.3	443.1	398.3	363.9	347.8	331.7	331.7	334.0
30°	714.0	665.8	562.5	479.8	408.6	354.7	309.9	284.7	277.8	273.2	270.9
32.5°	772.5	704.8	586.6	463.7	376.5	298.4	247.9	218.1	219.2	223.8	222.7
35°	840.2	766.8	593.4	440.8	329.4	242.2	191.7	175.6	184.8	187.1	187.1
37.5°	921.7	842.5	624.4	422.4	280.1	179.1	151.5	144.6	152.7	151.5	156.1
40°	966.5	879.3	650.8	399.5	214.7	132.0	117.1	112.5	125.1	135.4	137.7
42.5°	1029.6	922.9	676.1	355.8	145.8	96.4	89.5	104.5	122.8	134.3	135.4
45°	1064.1	948.1	665.8	301.9	93.0	78.1	87.2	105.6	125.1	136.6	137.7
47.5°	1105.4	981.4	647.4	235.3	74.6	76.9	88.4	107.9	128.6	138.9	138.9
50°	1146.7	1014.7	602.6	184.8	70.0	75.8	90.7	109.0	127.4	134.3	134.3
52.5°	1170.8	1043.4	549.8	134.3	68.9	75.8	91.8	110.2	126.3	129.7	129.7
55°	1192.6	1045.7	503.9	99.9	67.7	76.9	93.0	112.5	127.4	130.9	129.7
57.5°	1205.3	1030.8	471.8	86.1	66.6	76.9	94.1	114.8	136.6	144.6	142.3
60°	1198.4	1007.8	447.7	80.4	65.4	76.9	95.3	121.7	173.3	187.1	182.5
62.5°	1186.9	991.8	397.2	73.5	63.1	76.9	96.4	137.7	192.8	199.7	194.0
65°	1172.0	944.7	339.8	66.6	60.8	75.8	97.6	149.2	183.7	183.7	182.5
67.5°	1110.0	881.6	253.7	59.7	57.4	75.8	99.9	146.9	176.8	191.7	191.7
70°	1027.3	776.0	167.6	52.8	53.9	73.5	104.5	149.2	182.5	203.2	200.9
72.5°	870.1	644.0	93.0	45.9	49.4	72.3	104.5	158.4	197.4	220.4	216.9
75°	710.5	476.4	66.6	41.3	44.8	70.0	105.6	164.1	211.2	235.3	229.6
77.5°	500.5	273.2	52.8	35.6	40.2	66.6	104.5	161.8	218.1	239.9	233.0
80°	211.2	98.7	43.6	32.1	34.4	59.7	96.4	155.0	218.1	253.7	250.2
82.5°	95.3	70.0	37.9	28.7	32.1	49.4	89.5	149.2	211.2	254.8	275.5
85°	74.6	57.4	32.1	25.3	28.7	47.1	80.4	142.3	202.0	235.3	258.3
87.5°	71.2	57.4	28.7	23.0	26.4	40.2	62.0	132.0	181.4	216.9	235.3
90°	76.9	59.7	23.0	19.5	24.1	35.6	50.5	111.3	157.3	190.5	190.5
92.5°	71.2	55.1	17.2	14.9	25.3	28.7	48.2	68.9	113.6	95.3	118.2
95°	59.7	45.9	11.5	10.3	24.1	24.1	26.4	32.1	79.2	2.3	0.0
97.5°	43.6	33.3	6.9	5.7	18.4	19.5	12.6	14.9	32.1	0.0	0.0
100°	32.1	21.8	4.6	4.6	11.5	16.1	8.0	8.0	0.0	0.0	0.0
102.5°	17.2	11.5	3.4	2.3	5.7	9.2	3.4	2.3	0.0	0.0	0.0
105°	9.2	4.6	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
107.5°	2.3	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	0.0	0.0	0.0	0.0	0.0	0.0



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

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	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.1	1.1	1.1	1.1	1.1	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.1	1.1	1.1	1.1	1.1	0.0	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	0.0	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	1.1	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)