

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: P691204

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691204
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-C015-5TLD-U-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4410 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 32.7
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

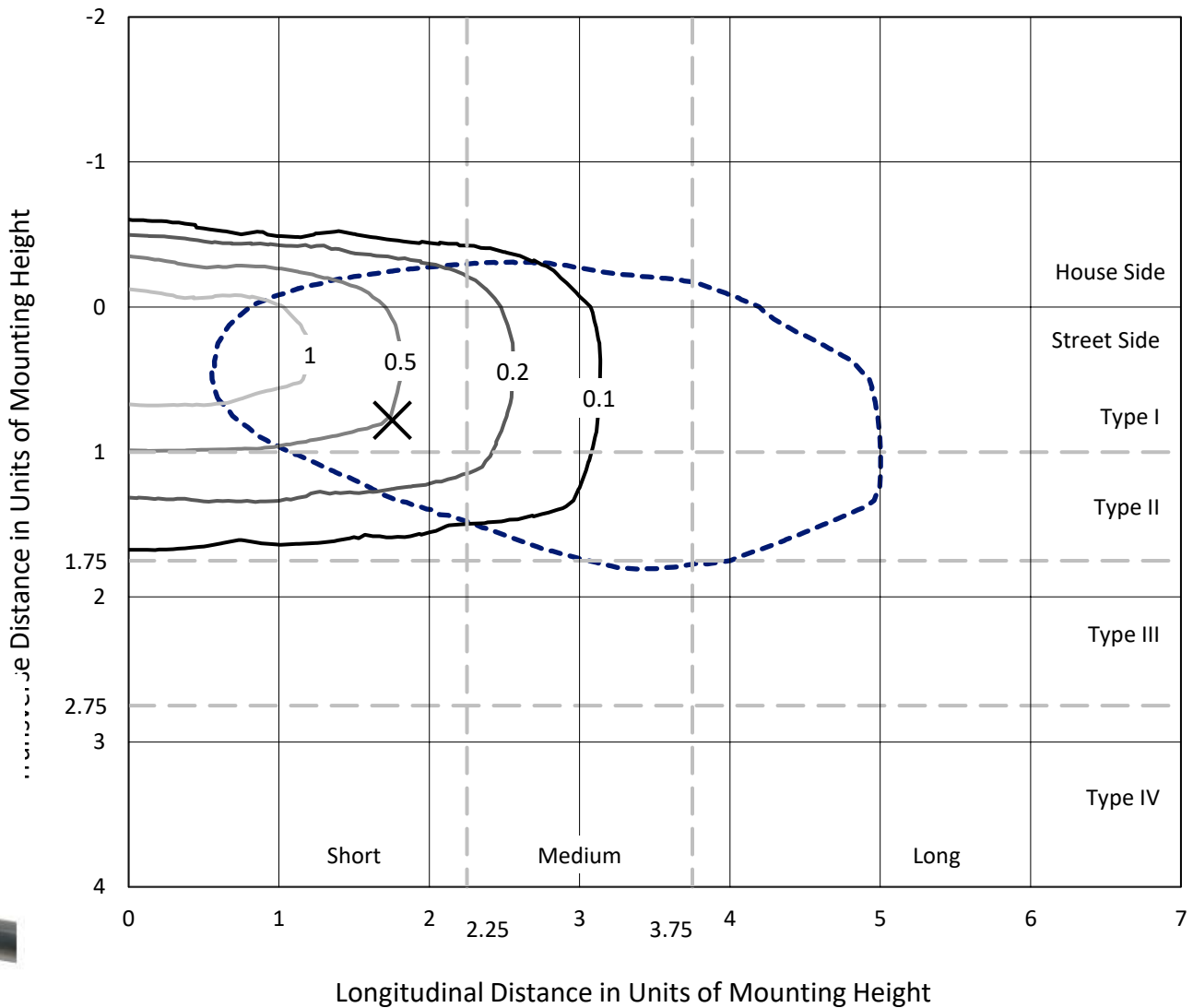


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

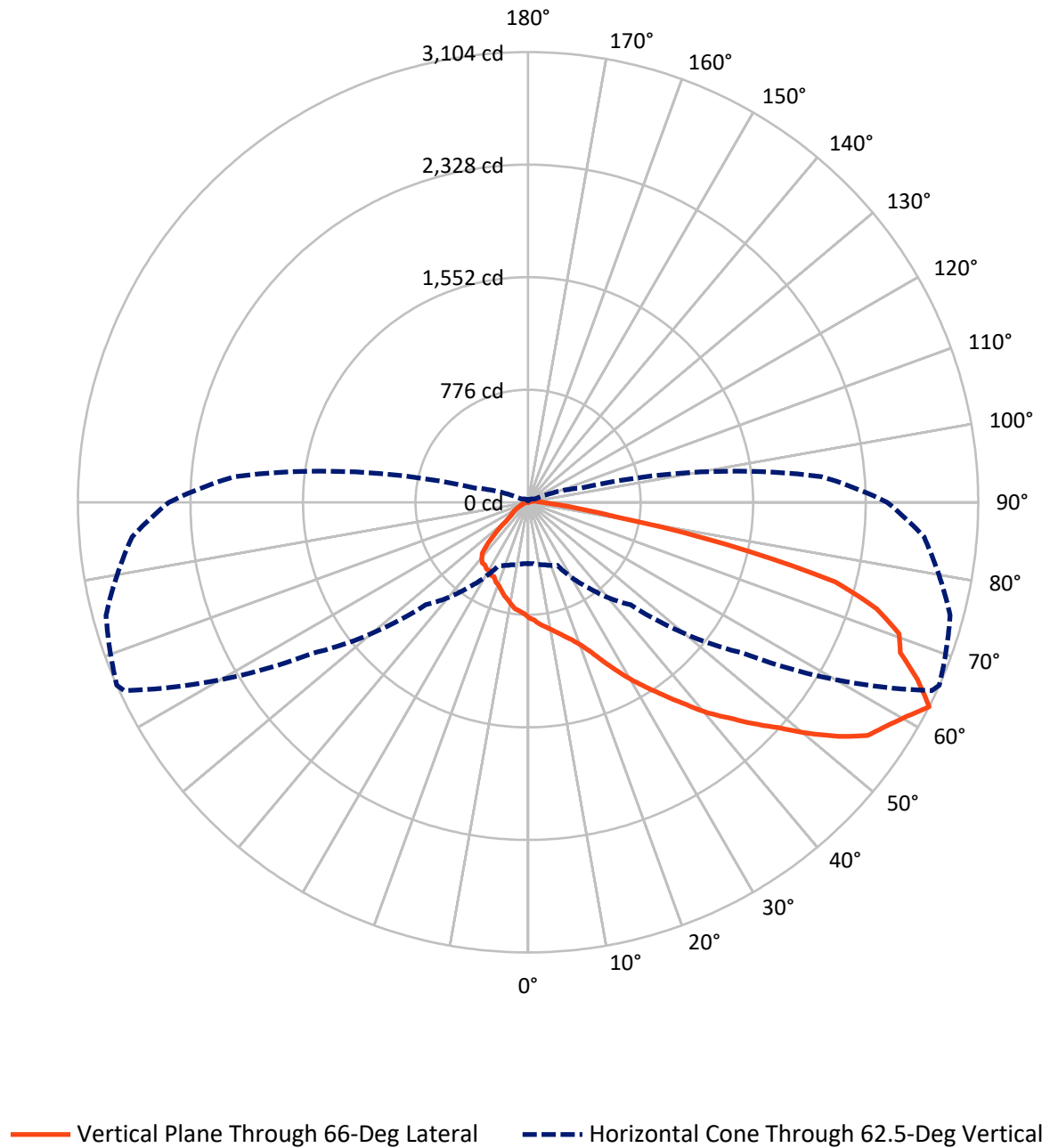


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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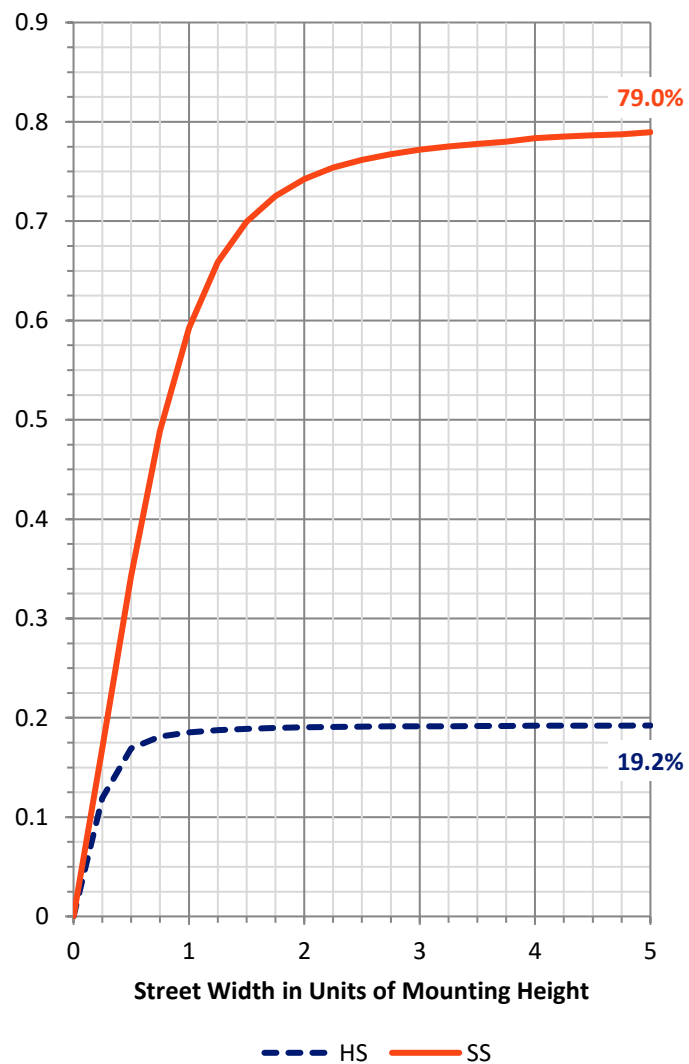
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	859.8	12.1	871.9
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	3504.4	33.6	3538.1
	% Fixture	79.5	0.8	80.2
Total	Lumens	4364.2	45.7	4410.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	1.7
10°-20°	221.9	5.0
20°-30°	373.4	8.5
30°-40°	555.2	12.6
40°-50°	734.6	16.7
50°-60°	855.4	19.4
60°-70°	853.9	19.4
70°-80°	573.0	13.0
80°-90°	121.1	2.7
90°-100°	36.9	0.8
100°-110°	6.4	0.1
110°-120°	0.5	0.0
120°-130°	0.6	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	4364.2	99.0
0°-180°	4410.0	100.0

Coefficient of Utilization



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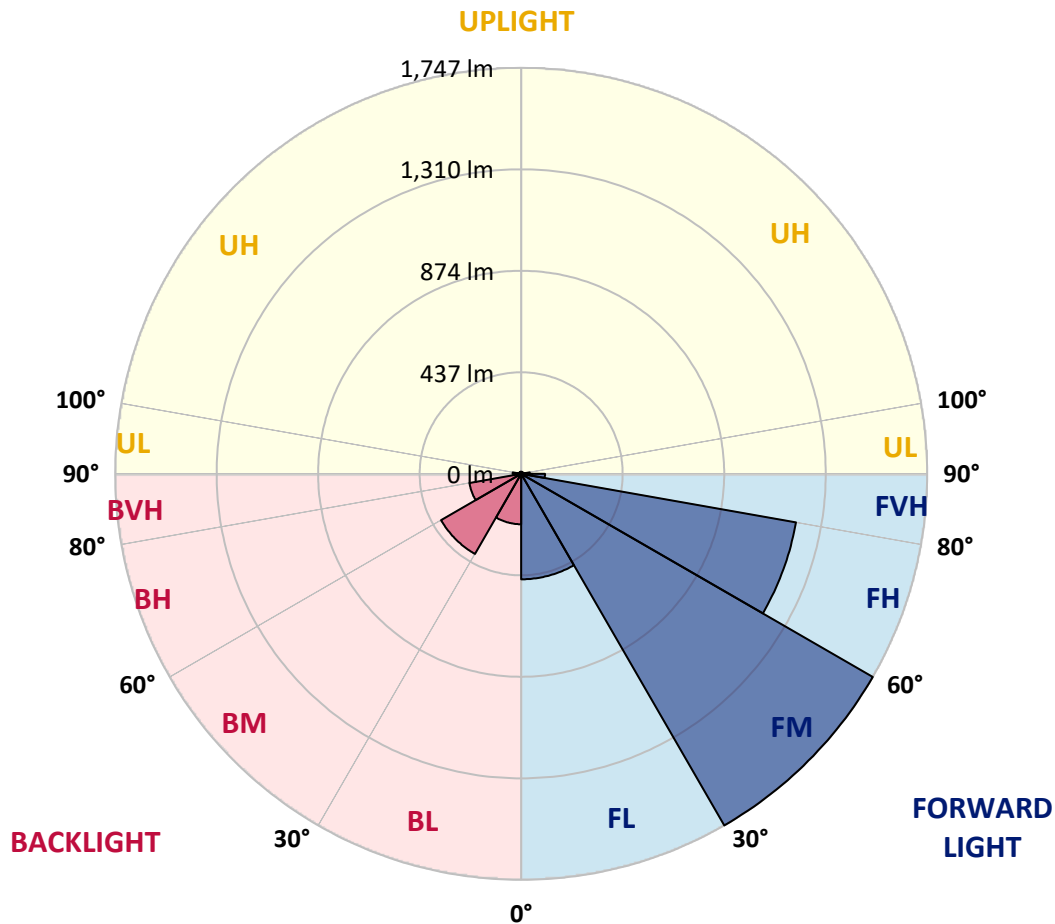
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	454.0	10.3			
FM	(30°-60°)	1747.1	39.6			
FH	(60°-80°)	1200.9	27.2			G1/1800
FVH	(80°-90°)	102.5	2.3			G2/225
BL	(0°-30°)	216.9	4.9	B1/500		
BM	(30°-60°)	398.1	9.0	B1/1000		
BH	(60°-80°)	226.1	5.1	B1/500		G1/500
BVH	(80°-90°)	18.6	0.4			G1/100
UL	(90°-100°)	36.9	0.8		U2/50	
UH	(100°-180°)	8.8	0.2		U1/10	

BUG Rating: B1-U2-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	850.5	845.6	847.3	839.1	831.0	826.1	821.2	813.0	813.0	806.5	798.4
5°	910.8	912.4	910.8	901.0	891.3	876.6	858.7	844.0	844.0	829.3	809.8
7.5°	951.5	949.9	949.9	938.5	932.0	923.8	902.7	870.1	868.4	848.9	824.5
10°	967.8	969.5	976.0	959.7	953.2	941.8	930.4	897.8	894.5	861.9	822.8
12.5°	1003.7	1005.3	1002.1	989.0	980.9	972.7	954.8	927.1	923.8	888.0	834.2
15°	1046.0	1046.0	1041.2	1028.1	1023.2	1011.8	990.6	964.6	961.3	920.6	855.4
17.5°	1068.9	1072.1	1072.1	1054.2	1055.8	1050.9	1039.5	1005.3	1000.4	962.9	884.7
20°	1080.3	1081.9	1085.1	1085.1	1083.5	1081.9	1088.4	1057.4	1054.2	1010.2	919.0
22.5°	1112.8	1116.1	1124.3	1119.4	1124.3	1130.8	1132.4	1130.8	1125.9	1078.6	976.0
25°	1127.5	1137.3	1148.7	1163.4	1178.0	1187.8	1210.6	1222.0	1218.8	1173.1	1065.6
27.5°	1111.2	1121.0	1161.7	1189.4	1235.0	1262.7	1305.1	1323.0	1321.4	1283.9	1158.5
30°	1138.9	1142.2	1160.1	1199.2	1257.9	1334.4	1393.1	1420.8	1427.3	1393.1	1256.2
32.5°	1098.2	1109.6	1160.1	1233.4	1321.4	1402.9	1459.9	1521.8	1530.0	1515.3	1384.9
35°	1094.9	1103.1	1130.8	1210.6	1323.0	1474.6	1552.8	1637.5	1644.0	1648.9	1515.3
37.5°	1049.3	1060.7	1116.1	1217.1	1371.9	1521.8	1631.0	1753.2	1769.5	1789.0	1624.5
40°	998.8	1006.9	1054.2	1161.7	1360.5	1577.2	1705.9	1893.3	1909.6	1934.0	1769.5
42.5°	923.8	941.8	1021.6	1137.3	1354.0	1593.5	1780.9	2017.1	2031.8	2066.0	1891.7
45°	857.0	865.2	927.1	1054.2	1301.9	1622.8	1844.4	2162.1	2176.8	2193.1	1987.8
47.5°	804.9	814.7	873.3	987.4	1249.7	1616.3	1903.1	2305.5	2321.8	2359.3	2106.7
50°	638.7	663.1	811.4	922.2	1163.4	1603.3	1953.6	2465.2	2502.7	2517.3	2230.6
52.5°	549.1	557.2	633.8	863.6	1078.6	1556.0	1997.6	2639.5	2681.9	2654.2	2396.8
55°	511.6	516.5	554.0	747.9	1002.1	1459.9	2033.4	2807.4	2838.3	2750.3	2519.0
57.5°	483.9	492.1	508.4	606.1	912.4	1298.6	2035.1	2900.2	2911.6	2830.2	2577.6
60°	448.1	451.3	485.5	527.9	811.4	1130.8	1979.7	2947.5	2998.0	2923.1	2696.6
62.5°	422.0	425.3	446.4	480.7	715.3	998.8	1816.7	3073.0	3103.9	3012.7	2740.6
65°	389.4	394.3	412.2	446.4	648.5	919.0	1735.3	3040.4	2950.8	2991.5	2791.1
67.5°	355.2	358.5	378.0	404.1	552.3	842.4	1533.2	2833.4	2768.3	2885.6	2655.8
70°	319.4	322.6	340.5	358.5	454.6	747.9	1277.4	2657.5	2712.9	2719.4	2528.8
72.5°	281.9	285.1	301.4	316.1	376.4	628.9	1015.1	2481.5	2515.7	2416.3	2233.8
75°	244.4	246.0	259.1	273.7	312.8	506.7	726.7	2057.9	2188.2	2308.8	1927.5
77.5°	197.2	200.4	213.4	218.3	250.9	409.0	470.9	1223.6	1394.7	2020.4	1730.4
80°	145.0	146.6	159.7	158.0	187.4	298.2	296.5	581.7	625.7	1248.1	1270.9
82.5°	96.1	99.4	110.8	107.5	127.1	180.9	185.7	312.8	334.0	483.9	557.2
85°	76.6	78.2	84.7	78.2	84.7	91.2	102.6	189.0	192.3	286.8	285.1
87.5°	61.9	63.5	70.1	65.2	66.8	70.1	81.5	120.6	123.8	180.9	187.4
90°	48.9	50.5	58.7	53.8	53.8	58.7	68.4	89.6	94.5	141.8	153.2
92.5°	32.6	32.6	37.5	35.8	35.8	42.4	60.3	66.8	71.7	132.0	138.5
95°	24.4	24.4	26.1	26.1	26.1	31.0	45.6	63.5	70.1	128.7	125.5
97.5°	16.3	16.3	17.9	17.9	17.9	19.6	26.1	52.1	58.7	104.3	102.6
100°	11.4	11.4	11.4	9.8	9.8	9.8	14.7	34.2	39.1	66.8	66.8
102.5°	8.1	6.5	6.5	6.5	4.9	4.9	6.5	16.3	17.9	35.8	34.2
105°	1.6	1.6	3.3	3.3	3.3	1.6	1.6	6.5	6.5	14.7	14.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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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CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-HSS-CRTK2

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	1.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	1.6
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°	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8	796.8
2.5°	793.5	788.6	777.2	767.4	759.3	751.1	738.1	733.2	729.9	734.8	734.8
5°	798.4	785.3	765.8	749.5	734.8	716.9	697.4	686.0	676.2	681.1	681.1
7.5°	806.5	788.6	764.2	736.5	699.0	668.0	643.6	628.9	620.8	625.7	628.9
10°	801.6	782.1	749.5	707.1	663.1	630.6	599.6	576.8	568.6	565.4	568.6
12.5°	806.5	783.7	728.3	677.8	635.4	583.3	545.8	521.4	511.6	511.6	511.6
15°	822.8	788.6	715.3	656.6	591.5	540.9	501.8	475.8	472.5	461.1	461.1
17.5°	845.6	793.5	710.4	624.0	552.3	500.2	454.6	428.5	420.4	422.0	422.0
20°	868.4	803.3	700.6	596.3	516.5	454.6	407.3	382.9	363.3	356.8	360.1
22.5°	907.5	831.0	692.5	581.7	475.8	417.1	365.0	324.2	291.7	281.9	277.0
25°	964.6	875.0	703.9	547.5	451.3	374.8	312.8	255.8	216.7	206.9	205.3
27.5°	1068.9	943.4	716.9	547.5	412.2	337.3	249.3	189.0	158.0	148.3	151.5
30°	1166.6	1036.3	754.4	518.1	395.9	270.5	185.7	141.8	114.1	102.6	105.9
32.5°	1248.1	1124.3	806.5	511.6	348.7	200.4	135.2	99.4	79.8	73.3	75.0
35°	1365.4	1199.2	847.3	488.8	286.8	146.6	94.5	70.1	61.9	58.7	58.7
37.5°	1477.8	1290.4	888.0	483.9	211.8	107.5	63.5	57.0	55.4	50.5	50.5
40°	1585.4	1383.3	905.9	456.2	149.9	70.1	53.8	52.1	50.5	45.6	45.6
42.5°	1717.3	1472.9	922.2	420.4	104.3	52.1	47.3	48.9	47.3	42.4	40.7
45°	1818.4	1533.2	927.1	329.1	66.8	48.9	44.0	45.6	44.0	39.1	39.1
47.5°	1903.1	1614.7	907.5	224.9	55.4	45.6	40.7	42.4	40.7	37.5	35.8
50°	1989.4	1689.6	889.6	120.6	52.1	44.0	39.1	35.8	37.5	34.2	32.6
52.5°	2106.7	1745.0	842.4	73.3	48.9	40.7	35.8	32.6	32.6	29.3	31.0
55°	2268.1	1881.9	754.4	68.4	47.3	39.1	34.2	29.3	29.3	26.1	26.1
57.5°	2339.7	1935.7	612.6	61.9	45.6	39.1	31.0	26.1	22.8	21.2	19.6
60°	2427.7	2015.5	482.3	57.0	42.4	37.5	27.7	22.8	17.9	16.3	16.3
62.5°	2476.6	2031.8	376.4	52.1	40.7	32.6	24.4	17.9	14.7	11.4	11.4
65°	2501.1	2020.4	250.9	47.3	37.5	31.0	21.2	14.7	9.8	8.1	8.1
67.5°	2408.2	1960.1	145.0	44.0	35.8	27.7	17.9	11.4	8.1	6.5	4.9
70°	2250.1	1784.1	91.2	39.1	34.2	24.4	16.3	9.8	6.5	4.9	3.3
72.5°	2064.4	1456.6	66.8	35.8	32.6	21.2	13.0	8.1	4.9	3.3	3.3
75°	1885.2	1269.3	57.0	31.0	27.7	17.9	11.4	6.5	4.9	3.3	1.6
77.5°	1349.1	865.2	50.5	27.7	24.4	14.7	8.1	6.5	3.3	1.6	1.6
80°	958.1	508.4	45.6	22.8	19.6	11.4	8.1	4.9	3.3	1.6	1.6
82.5°	459.5	264.0	44.0	19.6	14.7	9.8	6.5	4.9	3.3	1.6	1.6
85°	208.6	112.4	32.6	17.9	13.0	9.8	6.5	4.9	3.3	3.3	1.6
87.5°	127.1	58.7	26.1	14.7	9.8	8.1	4.9	3.3	3.3	3.3	3.3
90°	118.9	76.6	19.6	11.4	8.1	6.5	4.9	1.6	0.0	0.0	0.0
92.5°	114.1	88.0	14.7	8.1	4.9	4.9	1.6	0.0	0.0	0.0	0.0
95°	107.5	83.1	16.3	4.9	8.1	3.3	1.6	0.0	0.0	0.0	0.0
97.5°	84.7	65.2	17.9	4.9	40.7	3.3	1.6	0.0	0.0	0.0	0.0
100°	53.8	40.7	13.0	4.9	48.9	3.3	0.0	0.0	0.0	0.0	0.0
102.5°	31.0	22.8	6.5	4.9	14.7	1.6	0.0	0.0	0.0	0.0	0.0
105°	13.0	11.4	3.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
120°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	3.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0
132.5°	1.6	1.6	1.6	3.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0
135°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
155°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
170°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
172.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.6	1.6	1.6	1.6	1.6	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)