

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: P691632

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691632
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-C018-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5124.1 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

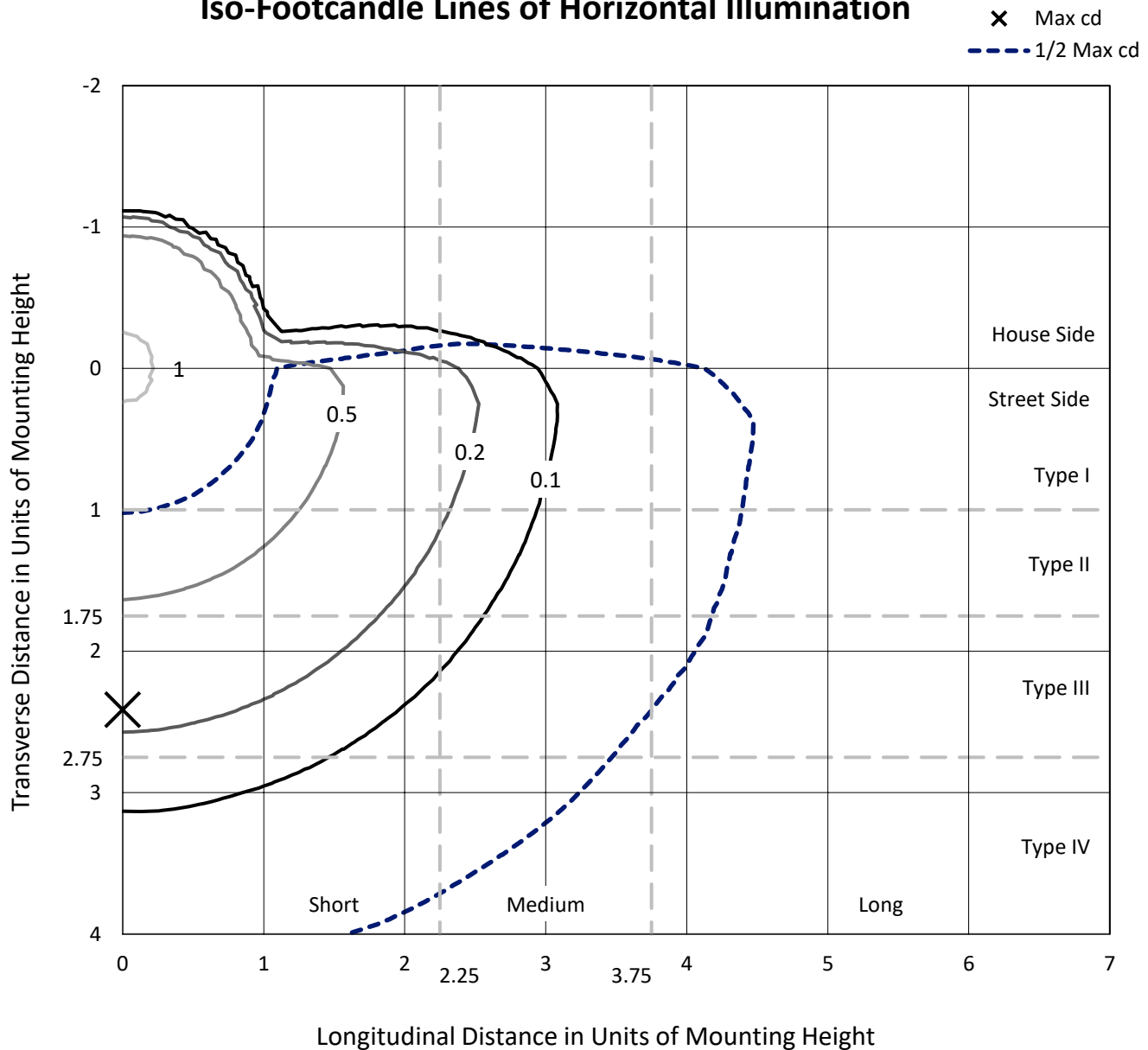
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination



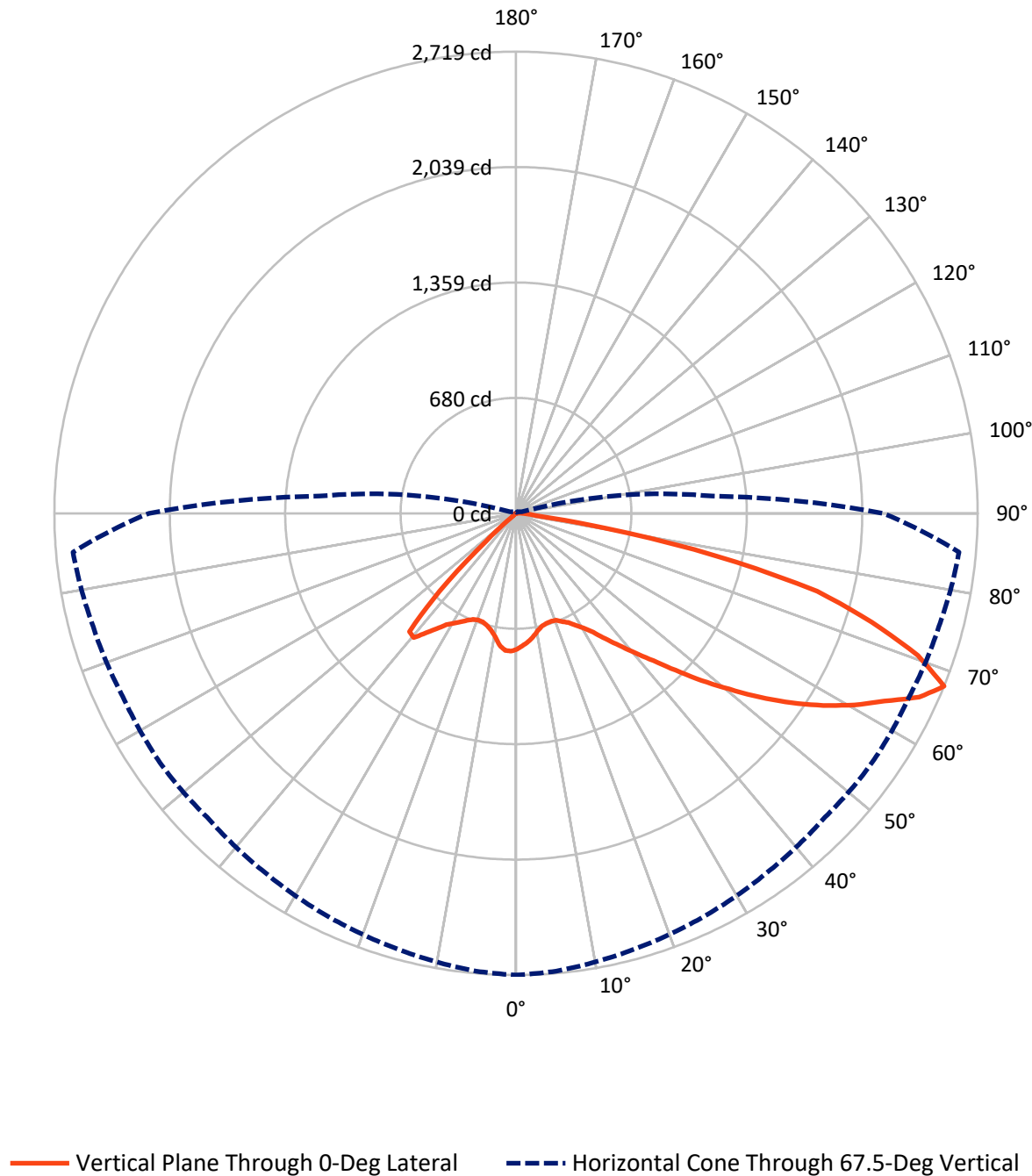
Based on 25 foot mounting height. Maximum calculated value = 1.3 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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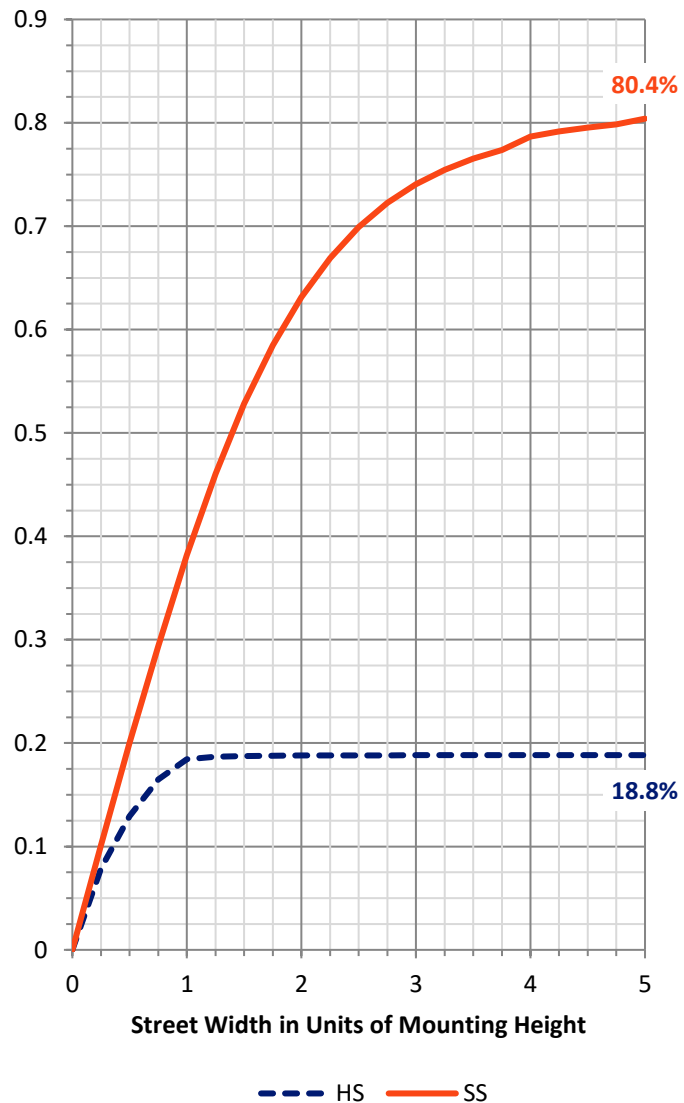
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	970.4	1.8	972.3
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	4140.1	11.7	4151.8
	% Fixture	80.8	0.2	81.0
Total	Lumens	5110.6	13.5	5124.1
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.4
10°-20°	188.1	3.7
20°-30°	322.6	6.3
30°-40°	545.4	10.6
40°-50°	727.8	14.2
50°-60°	924.1	18.0
60°-70°	1294.0	25.3
70°-80°	937.2	18.3
80°-90°	99.9	1.9
90°-100°	11.2	0.2
100°-110°	1.1	0.0
110°-120°	0.4	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	5110.6	99.7
0°-180°	5124.1	100.0

Coefficient of Utilization



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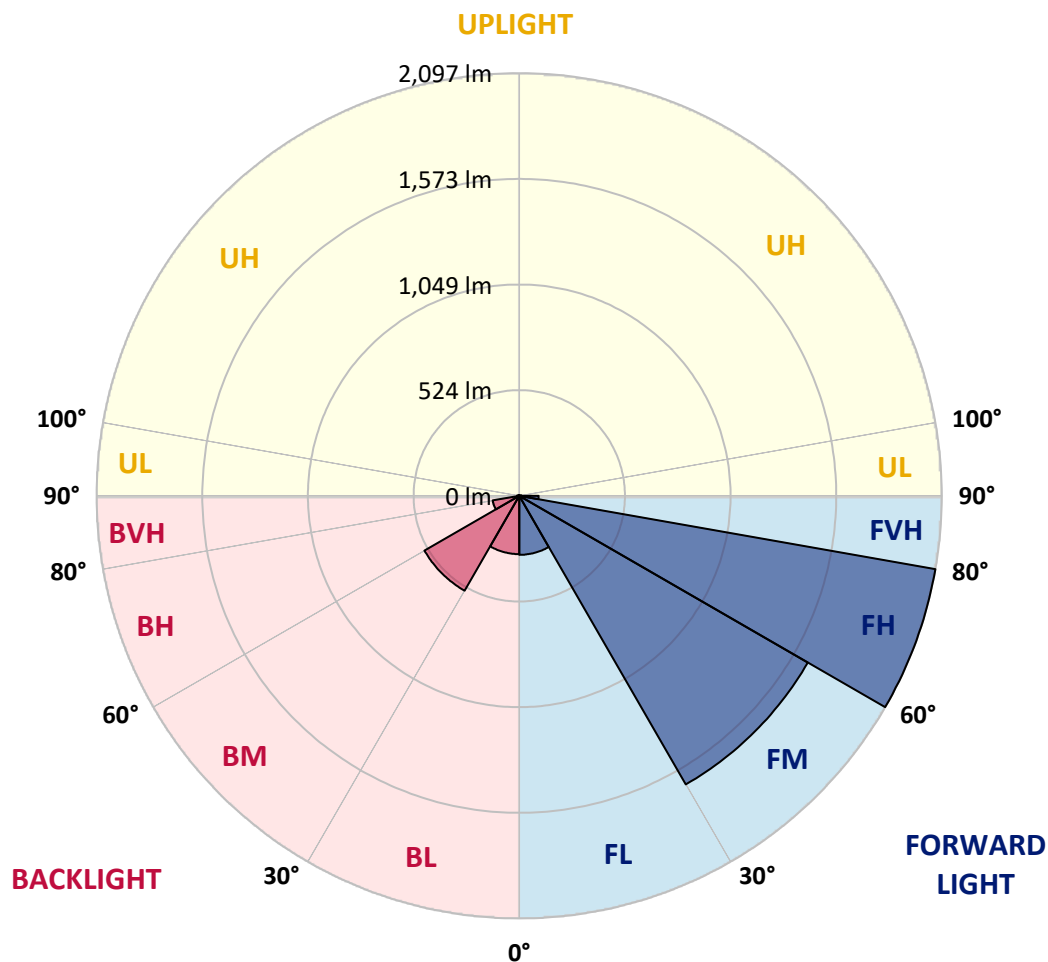
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.9	5.7			
FM	(30°-60°)	1653.9	32.3			
FH	(60°-80°)	2097.3	40.9			G2/5000
FVH	(80°-90°)	96.1	1.9			G1/100
BL	(0°-30°)	289.3	5.6	B1/500		
BM	(30°-60°)	543.4	10.6	B1/1000		
BH	(60°-80°)	134.0	2.6	B1/500		G1/500
BVH	(80°-90°)	3.7	0.1			G0/10
UL	(90°-100°)	11.2	0.2		U2/50	
UH	(100°-180°)	2.3	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	799.5	799.5	799.5	799.5	799.5	799.5	799.5	799.5	799.5	799.5	799.5
2.5°	779.0	781.6	781.6	781.6	784.1	781.6	781.6	781.6	781.6	784.1	784.1
5°	758.5	758.5	758.5	761.1	761.1	758.5	756.0	758.5	758.5	761.1	761.1
7.5°	732.9	732.9	732.9	735.5	732.9	727.8	722.6	725.2	722.6	725.2	727.8
10°	702.1	704.7	704.7	702.1	699.6	691.9	684.2	686.8	684.2	686.8	686.8
12.5°	681.6	684.2	684.2	681.6	674.0	668.8	663.7	658.6	656.0	661.1	658.6
15°	671.4	674.0	674.0	671.4	666.3	661.1	650.9	648.3	643.2	640.6	643.2
17.5°	668.8	668.8	668.8	666.3	661.1	653.5	648.3	643.2	640.6	640.6	638.1
20°	671.4	676.5	674.0	671.4	666.3	661.1	653.5	645.8	645.8	645.8	643.2
22.5°	691.9	691.9	689.3	689.3	684.2	676.5	668.8	663.7	658.6	658.6	658.6
25°	712.4	715.0	715.0	712.4	704.7	694.5	691.9	684.2	681.6	679.1	676.5
27.5°	745.7	743.1	745.7	745.7	735.5	730.3	722.6	717.5	715.0	709.8	707.3
30°	784.1	784.1	784.1	784.1	776.5	766.2	761.1	753.4	745.7	745.7	740.6
32.5°	835.4	838.0	838.0	835.4	827.7	817.5	812.3	802.1	799.5	794.4	789.3
35°	907.2	907.2	907.2	902.0	891.8	884.1	879.0	871.3	868.7	861.0	848.2
37.5°	986.6	986.6	991.7	986.6	976.3	966.1	958.4	953.3	945.6	940.5	932.8
40°	1078.8	1078.8	1081.4	1073.7	1063.5	1058.3	1050.7	1040.4	1035.3	1032.7	1017.3
42.5°	1186.5	1191.6	1191.6	1183.9	1176.2	1168.5	1158.3	1150.6	1145.5	1135.2	1114.7
45°	1317.2	1314.6	1319.7	1312.0	1306.9	1304.4	1289.0	1271.0	1273.6	1250.5	1227.5
47.5°	1470.9	1473.5	1470.9	1463.2	1458.1	1455.5	1440.2	1417.1	1406.9	1388.9	1345.4
50°	1627.2	1629.8	1627.2	1622.1	1627.2	1611.9	1593.9	1573.4	1570.9	1547.8	1481.2
52.5°	1798.9	1791.2	1788.7	1786.1	1781.0	1773.3	1755.4	1732.3	1734.9	1709.2	1604.2
55°	1970.6	1962.9	1950.1	1945.0	1939.9	1927.1	1911.7	1904.0	1901.4	1875.8	1734.9
57.5°	2134.6	2121.8	2103.9	2101.3	2093.6	2075.7	2068.0	2055.2	2055.2	2027.0	1829.7
60°	2290.9	2275.6	2255.1	2244.8	2232.0	2216.6	2214.1	2206.4	2208.9	2193.6	1932.2
62.5°	2434.5	2421.6	2396.0	2380.6	2360.1	2347.3	2349.9	2344.8	2355.0	2344.8	2021.9
65°	2608.7	2593.3	2562.6	2529.3	2501.1	2480.6	2472.9	2488.3	2531.8	2542.1	2142.3
67.5°	2718.9	2706.1	2660.0	2619.0	2580.5	2552.3	2560.0	2554.9	2578.0	2619.0	2162.8
70°	2511.3	2506.2	2460.1	2434.5	2406.3	2378.1	2380.6	2372.9	2390.9	2401.1	1983.4
72.5°	2191.0	2216.6	2157.7	2155.1	2137.2	2139.8	2111.6	2132.1	2119.3	2119.3	1755.4
75°	1832.2	1778.4	1760.5	1804.1	1778.4	1781.0	1775.9	1798.9	1796.4	1798.9	1527.3
77.5°	1201.8	1212.1	1189.0	1235.2	1258.2	1296.7	1314.6	1376.1	1353.0	1347.9	1209.5
80°	538.1	551.0	553.5	597.1	625.3	663.7	650.9	694.5	666.3	620.1	592.0
82.5°	120.4	120.4	135.8	174.3	184.5	192.2	192.2	199.9	158.9	97.4	79.4
85°	82.0	79.4	107.6	146.1	153.8	148.6	143.5	133.3	92.3	28.2	23.1
87.5°	53.8	56.4	87.1	120.4	125.6	117.9	110.2	99.9	66.6	7.7	5.1
90°	35.9	41.0	66.6	92.3	92.3	87.1	79.4	66.6	41.0	2.6	2.6
92.5°	17.9	20.5	33.3	41.0	38.4	33.3	30.8	25.6	15.4	2.6	2.6
95°	10.3	10.3	15.4	15.4	15.4	12.8	12.8	10.3	5.1	2.6	2.6
97.5°	7.7	7.7	10.3	10.3	7.7	7.7	7.7	5.1	2.6	2.6	2.6
100°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	2.6	2.6	2.6	2.6
102.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
105°	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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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CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

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	2.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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	2.6
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	2.6
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	2.6	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	2.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6
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	2.6	0.0	2.6	2.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6	2.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	0.0	2.6	2.6
175°	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6
177.5°	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6	2.6	2.6	2.6
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°	799.5	799.5	799.5	799.5	799.5	799.5	799.5	799.5	799.5	799.5
2.5°	786.7	789.3	791.8	797.0	797.0	804.7	807.2	809.8	812.3	812.3
5°	766.2	768.8	776.5	781.6	789.3	794.4	802.1	804.7	807.2	809.8
7.5°	727.8	732.9	740.6	743.1	753.4	761.1	768.8	776.5	779.0	784.1
10°	689.3	691.9	694.5	702.1	707.3	717.5	727.8	732.9	738.0	738.0
12.5°	661.1	663.7	666.3	668.8	676.5	681.6	691.9	697.0	699.6	704.7
15°	643.2	643.2	648.3	648.3	653.5	661.1	666.3	674.0	676.5	681.6
17.5°	638.1	638.1	640.6	643.2	648.3	650.9	656.0	663.7	666.3	668.8
20°	640.6	643.2	643.2	645.8	650.9	653.5	658.6	661.1	663.7	666.3
22.5°	653.5	650.9	653.5	653.5	656.0	661.1	666.3	671.4	674.0	674.0
25°	671.4	668.8	668.8	674.0	676.5	679.1	686.8	689.3	691.9	691.9
27.5°	702.1	699.6	702.1	702.1	704.7	704.7	712.4	712.4	715.0	717.5
30°	732.9	725.2	725.2	725.2	727.8	732.9	735.5	740.6	743.1	743.1
32.5°	779.0	763.6	761.1	763.6	763.6	766.2	773.9	771.3	776.5	773.9
35°	838.0	822.6	817.5	817.5	817.5	817.5	825.2	820.0	825.2	822.6
37.5°	909.7	889.2	886.7	886.7	881.5	884.1	886.7	881.5	879.0	881.5
40°	986.6	950.7	948.2	950.7	950.7	950.7	950.7	948.2	945.6	948.2
42.5°	950.7	807.2	825.2	850.8	876.4	907.2	914.8	935.3	937.9	937.9
45°	830.3	466.4	492.0	530.5	545.8	556.1	584.3	627.8	640.6	643.2
47.5°	732.9	156.3	166.6	181.9	207.6	220.4	222.9	253.7	266.5	240.9
50°	725.2	35.9	25.6	25.6	28.2	23.1	23.1	25.6	25.6	25.6
52.5°	791.8	33.3	23.1	20.5	20.5	20.5	17.9	20.5	20.5	20.5
55°	861.0	33.3	23.1	20.5	20.5	20.5	17.9	17.9	17.9	17.9
57.5°	917.4	33.3	23.1	20.5	20.5	17.9	15.4	15.4	15.4	15.4
60°	984.0	33.3	23.1	20.5	20.5	15.4	12.8	12.8	12.8	12.8
62.5°	1040.4	35.9	23.1	20.5	17.9	12.8	12.8	12.8	12.8	12.8
65°	1122.4	35.9	23.1	17.9	12.8	10.3	10.3	10.3	10.3	10.3
67.5°	1160.8	35.9	20.5	15.4	10.3	7.7	7.7	7.7	7.7	7.7
70°	1045.5	28.2	15.4	10.3	7.7	7.7	7.7	7.7	7.7	7.7
72.5°	894.3	20.5	10.3	7.7	5.1	5.1	5.1	5.1	5.1	2.6
75°	712.4	12.8	5.1	2.6	2.6	0.0	0.0	0.0	0.0	0.0
77.5°	499.7	10.3	5.1	2.6	2.6	0.0	0.0	0.0	0.0	0.0
80°	207.6	7.7	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.8	5.1	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.3	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.6	2.6	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°	2.6	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	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	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°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.6	2.6	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)