

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: P691649

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-8027-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
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-8027-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4740 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - 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

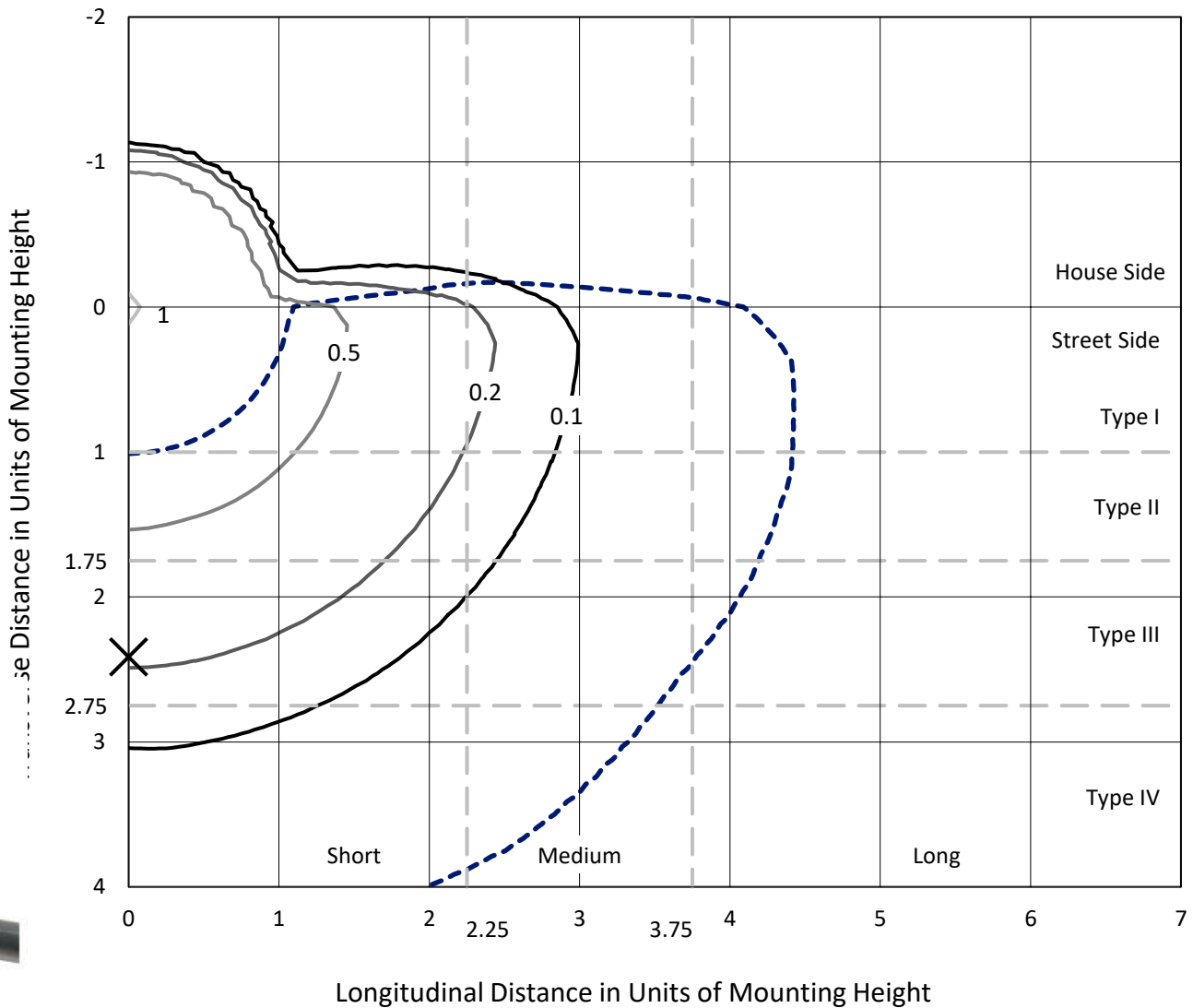


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

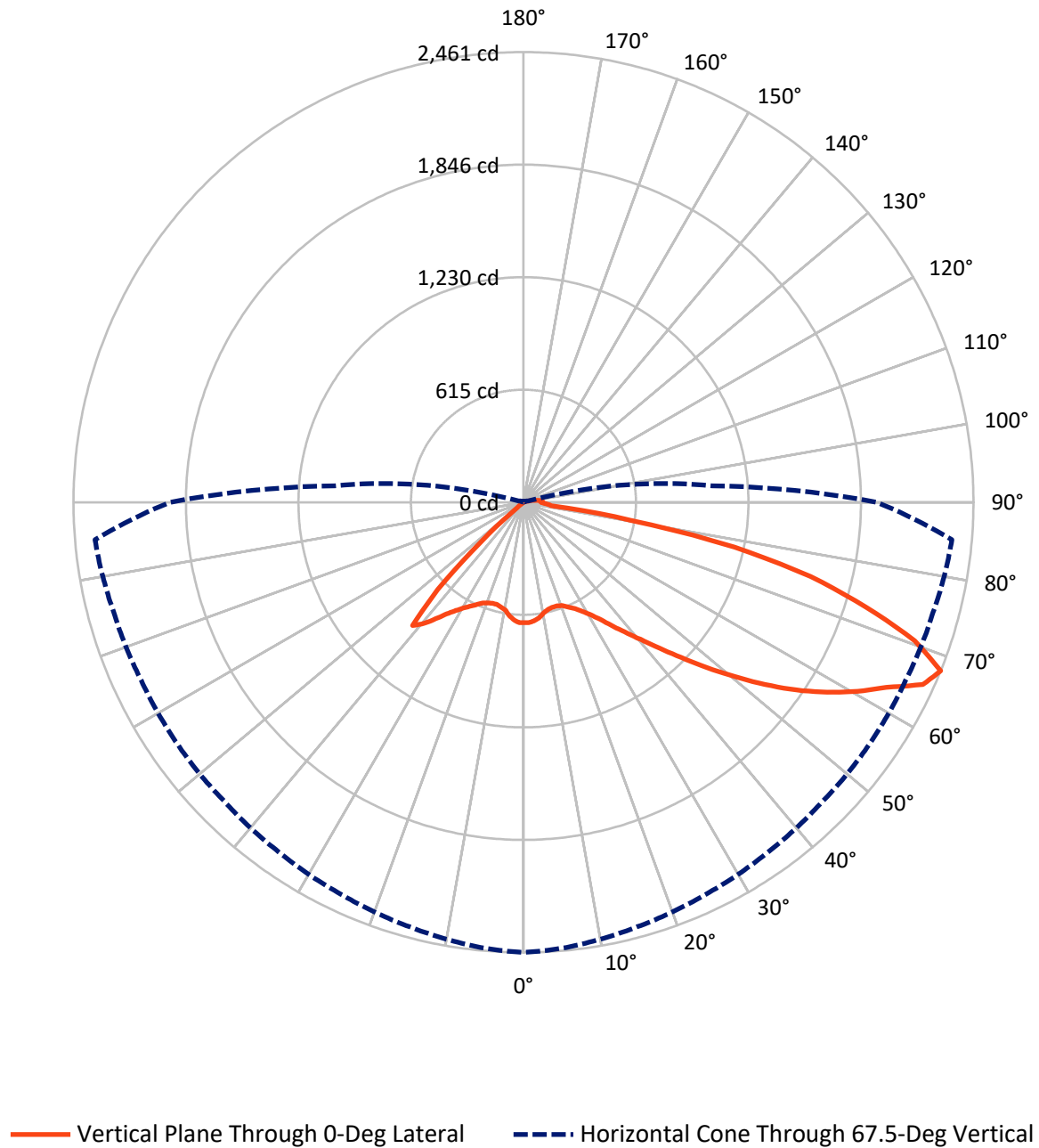


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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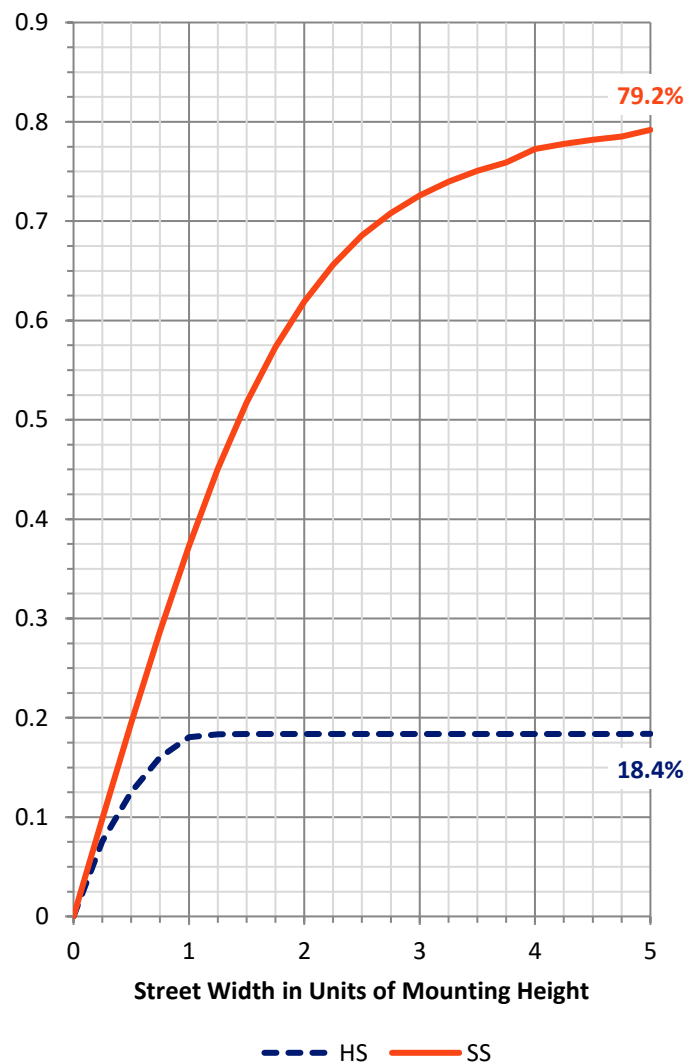
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	876.7	3.5	880.2
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	3793.9	65.9	3859.8
	% Fixture	80.0	1.4	81.4
Total	Lumens	4670.6	69.4	4740.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	1.3
10°-20°	163.7	3.5
20°-30°	288.4	6.1
30°-40°	493.0	10.4
40°-50°	677.5	14.3
50°-60°	837.4	17.7
60°-70°	1170.3	24.7
70°-80°	854.8	18.0
80°-90°	125.5	2.6
90°-100°	55.3	1.2
100°-110°	12.6	0.3
110°-120°	0.8	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4670.6	98.5
0°-180°	4740.0	100.0

Coefficient of Utilization



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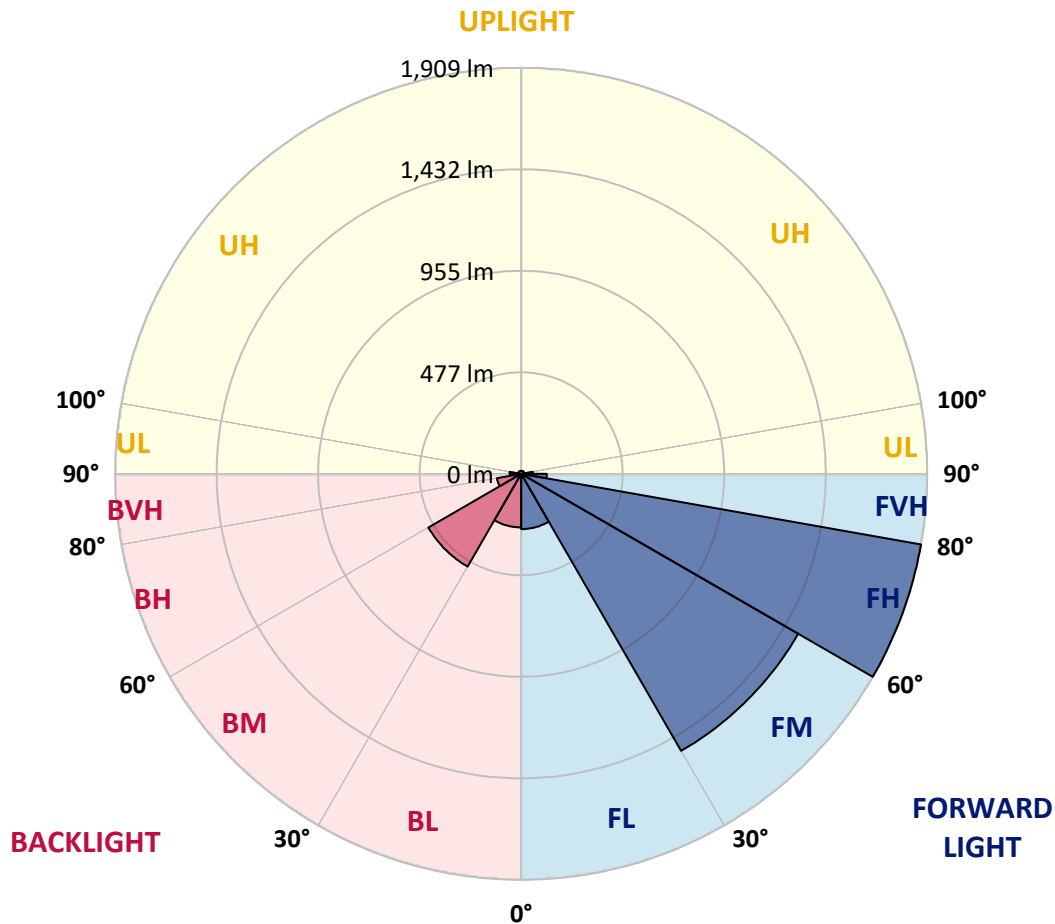
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.9	5.5			
FM	(30°-60°)	1504.2	31.7			
FH	(60°-80°)	1909.1	40.3			G2/5000
FVH	(80°-90°)	120.6	2.5			G2/225
BL	(0°-30°)	252.1	5.3	B1/500		
BM	(30°-60°)	503.7	10.6	B1/1000		
BH	(60°-80°)	116.0	2.4	B1/500		G1/500
BVH	(80°-90°)	4.9	0.1			G0/10
UL	(90°-100°)	55.3	1.2		U3/500	
UH	(100°-180°)	14.0	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0
2.5°	658.0	658.0	658.0	658.0	660.4	658.0	655.7	651.1	651.1	651.1	651.1
5°	648.8	648.8	651.1	651.1	648.8	646.5	641.8	641.8	639.5	639.5	639.5
7.5°	634.9	634.9	634.9	637.2	632.6	625.6	623.3	621.0	618.7	616.3	614.0
10°	614.0	614.0	614.0	611.7	607.1	600.1	595.5	590.9	590.9	588.5	586.2
12.5°	600.1	600.1	600.1	597.8	590.9	586.2	579.3	574.6	572.3	572.3	570.0
15°	595.5	595.5	595.5	593.2	586.2	581.6	574.6	570.0	565.4	563.0	560.7
17.5°	595.5	595.5	595.5	590.9	588.5	581.6	574.6	570.0	567.7	565.4	563.0
20°	602.4	604.8	602.4	600.1	593.2	588.5	581.6	574.6	572.3	572.3	570.0
22.5°	621.0	618.7	618.7	616.3	609.4	602.4	597.8	593.2	588.5	588.5	586.2
25°	641.8	644.1	644.1	639.5	634.9	627.9	621.0	614.0	611.7	609.4	607.1
27.5°	672.0	672.0	674.3	669.6	662.7	658.0	651.1	646.5	641.8	637.2	634.9
30°	709.0	711.3	711.3	706.7	699.8	690.5	685.9	678.9	672.0	672.0	665.0
32.5°	757.7	762.3	760.0	755.4	748.4	739.1	734.5	727.6	722.9	716.0	711.3
35°	824.9	827.2	824.9	820.2	808.7	799.4	794.8	790.1	785.5	776.2	767.0
37.5°	899.0	901.3	903.7	899.0	885.1	871.2	866.6	859.6	857.3	845.7	841.1
40°	984.8	989.4	987.1	980.1	968.5	954.6	952.3	945.4	938.4	931.5	919.9
42.5°	1089.0	1089.0	1086.7	1082.1	1072.8	1056.6	1052.0	1045.0	1040.4	1026.5	1007.9
45°	1209.5	1211.8	1204.9	1197.9	1195.6	1181.7	1170.1	1163.2	1149.3	1133.0	1112.2
47.5°	1350.9	1348.5	1339.3	1332.3	1330.0	1318.4	1309.1	1295.2	1276.7	1258.2	1218.8
50°	1496.8	1496.8	1480.6	1473.7	1478.3	1462.1	1450.5	1434.3	1415.7	1397.2	1339.3
52.5°	1654.4	1647.4	1631.2	1633.5	1626.6	1610.4	1596.5	1584.9	1566.3	1550.1	1457.4
55°	1812.0	1802.7	1777.2	1779.5	1767.9	1749.4	1740.1	1726.2	1721.6	1703.0	1571.0
57.5°	1957.9	1946.3	1918.5	1916.2	1907.0	1886.1	1881.5	1865.2	1853.7	1844.4	1656.7
60°	2099.3	2087.7	2062.2	2052.9	2034.4	2013.5	2015.9	2006.6	1999.6	1990.4	1751.7
62.5°	2226.7	2212.8	2189.6	2171.1	2145.6	2127.1	2129.4	2124.8	2129.4	2127.1	1832.8
65°	2400.5	2386.6	2351.8	2319.4	2282.3	2254.5	2252.2	2259.1	2307.8	2312.4	1957.9
67.5°	2460.7	2446.8	2402.8	2363.4	2333.3	2312.4	2307.8	2305.5	2319.4	2351.8	1932.4
70°	2270.7	2261.5	2219.8	2192.0	2161.8	2147.9	2134.0	2141.0	2154.9	2152.6	1772.6
72.5°	1960.2	2011.2	1957.9	1932.4	1925.5	1888.4	1897.7	1890.7	1900.0	1897.7	1575.6
75°	1622.0	1608.0	1596.5	1640.5	1608.0	1580.2	1596.5	1612.7	1628.9	1610.4	1381.0
77.5°	1179.4	1188.7	1184.0	1200.2	1230.4	1216.5	1207.2	1246.6	1253.5	1191.0	1072.8
80°	593.2	630.2	641.8	669.6	685.9	655.7	630.2	685.9	676.6	604.8	544.5
82.5°	155.2	157.6	180.7	213.2	217.8	213.2	217.8	213.2	185.4	118.2	99.6
85°	129.8	129.8	159.9	194.6	201.6	192.3	192.3	180.7	143.7	74.1	60.2
87.5°	106.6	111.2	143.7	176.1	180.7	171.5	169.1	155.2	125.1	64.9	51.0
90°	95.0	99.6	129.8	157.6	159.9	150.6	148.3	139.0	113.5	64.9	51.0
92.5°	104.3	106.6	127.4	143.7	143.7	136.7	134.4	127.4	111.2	81.1	62.6
95°	92.7	95.0	104.3	111.2	108.9	102.0	106.6	99.6	92.7	76.5	57.9
97.5°	76.5	78.8	81.1	81.1	78.8	74.1	78.8	76.5	71.8	62.6	46.3
100°	57.9	57.9	57.9	60.2	57.9	55.6	57.9	53.3	51.0	44.0	32.4
102.5°	39.4	39.4	39.4	39.4	39.4	39.4	39.4	34.8	32.4	27.8	18.5
105°	23.2	23.2	20.9	23.2	23.2	20.9	20.9	18.5	13.9	11.6	7.0
107.5°	9.3	9.3	7.0	7.0	7.0	7.0	4.6	2.3	2.3	2.3	2.3
110°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0

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CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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	2.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	2.3
135°	0.0	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	0.0
140°	0.0	0.0	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	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	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
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°	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0
2.5°	651.1	651.1	651.1	651.1	651.1	651.1	653.4	655.7	658.0	658.0
5°	639.5	639.5	639.5	637.2	639.5	641.8	644.1	644.1	646.5	646.5
7.5°	616.3	614.0	614.0	614.0	616.3	621.0	621.0	623.3	625.6	625.6
10°	586.2	586.2	586.2	586.2	588.5	593.2	593.2	597.8	597.8	597.8
12.5°	570.0	570.0	567.7	565.4	570.0	570.0	577.0	579.3	581.6	586.2
15°	560.7	558.4	560.7	560.7	563.0	565.4	567.7	572.3	574.6	577.0
17.5°	560.7	560.7	560.7	563.0	565.4	565.4	567.7	572.3	574.6	577.0
20°	570.0	570.0	567.7	567.7	570.0	570.0	574.6	579.3	581.6	583.9
22.5°	583.9	581.6	581.6	579.3	581.6	583.9	588.5	593.2	593.2	593.2
25°	602.4	600.1	600.1	600.1	604.8	604.8	609.4	614.0	614.0	614.0
27.5°	632.6	627.9	625.6	625.6	625.6	627.9	632.6	634.9	637.2	637.2
30°	658.0	653.4	651.1	648.8	651.1	653.4	658.0	662.7	662.7	662.7
32.5°	704.4	692.8	685.9	688.2	688.2	690.5	695.1	695.1	697.4	697.4
35°	757.7	746.1	734.5	736.8	736.8	739.1	739.1	739.1	743.8	739.1
37.5°	824.9	806.3	797.1	799.4	794.8	794.8	794.8	794.8	792.4	797.1
40°	896.7	868.9	859.6	862.0	859.6	857.3	857.3	859.6	857.3	859.6
42.5°	885.1	769.3	797.1	829.5	852.7	868.9	887.4	896.7	896.7	906.0
45°	773.9	456.5	488.9	532.9	570.0	609.4	627.9	641.8	651.1	669.6
47.5°	672.0	164.5	187.7	217.8	257.2	257.2	289.6	303.5	308.2	324.4
50°	653.4	25.5	20.9	23.2	25.5	27.8	30.1	37.1	37.1	46.3
52.5°	711.3	23.2	13.9	9.3	9.3	7.0	4.6	4.6	4.6	7.0
55°	776.2	25.5	13.9	9.3	7.0	7.0	2.3	2.3	2.3	2.3
57.5°	831.8	23.2	11.6	9.3	7.0	4.6	0.0	0.0	0.0	0.0
60°	892.1	25.5	13.9	9.3	7.0	4.6	0.0	0.0	0.0	0.0
62.5°	945.4	25.5	13.9	9.3	7.0	2.3	0.0	0.0	0.0	0.0
65°	1021.8	27.8	13.9	9.3	4.6	0.0	0.0	0.0	0.0	0.0
67.5°	1035.7	27.8	13.9	7.0	2.3	0.0	0.0	0.0	0.0	0.0
70°	924.5	23.2	9.3	4.6	2.3	0.0	0.0	0.0	0.0	0.0
72.5°	794.8	13.9	7.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	639.5	11.6	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	428.7	9.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	192.3	7.0	2.3	2.3	0.0	0.0	2.3	2.3	0.0	0.0
82.5°	41.7	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.8	4.6	2.3	2.3	0.0	0.0	2.3	2.3	0.0	0.0
87.5°	25.5	2.3	2.3	2.3	0.0	0.0	0.0	2.3	0.0	0.0
90°	25.5	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	30.1	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	27.8	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	20.9	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	13.9	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	7.0	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	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-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	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
130°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.3	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°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.3	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°	2.3	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	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
172.5°	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.3	2.3	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)