

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: P691628

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691628
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-7030-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5242 lumens
Efficiency: N/A
Efficacy: 97.6 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

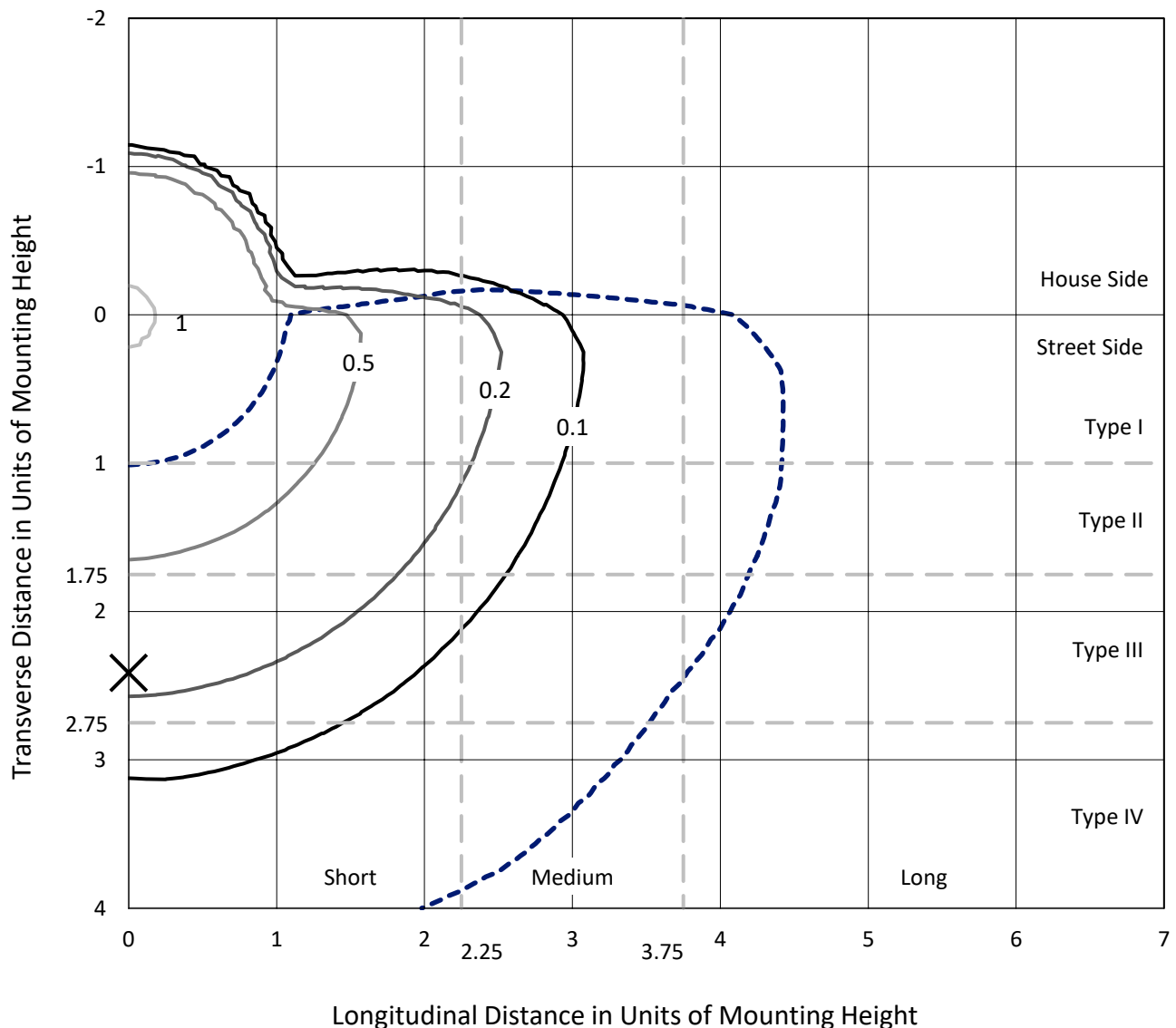


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

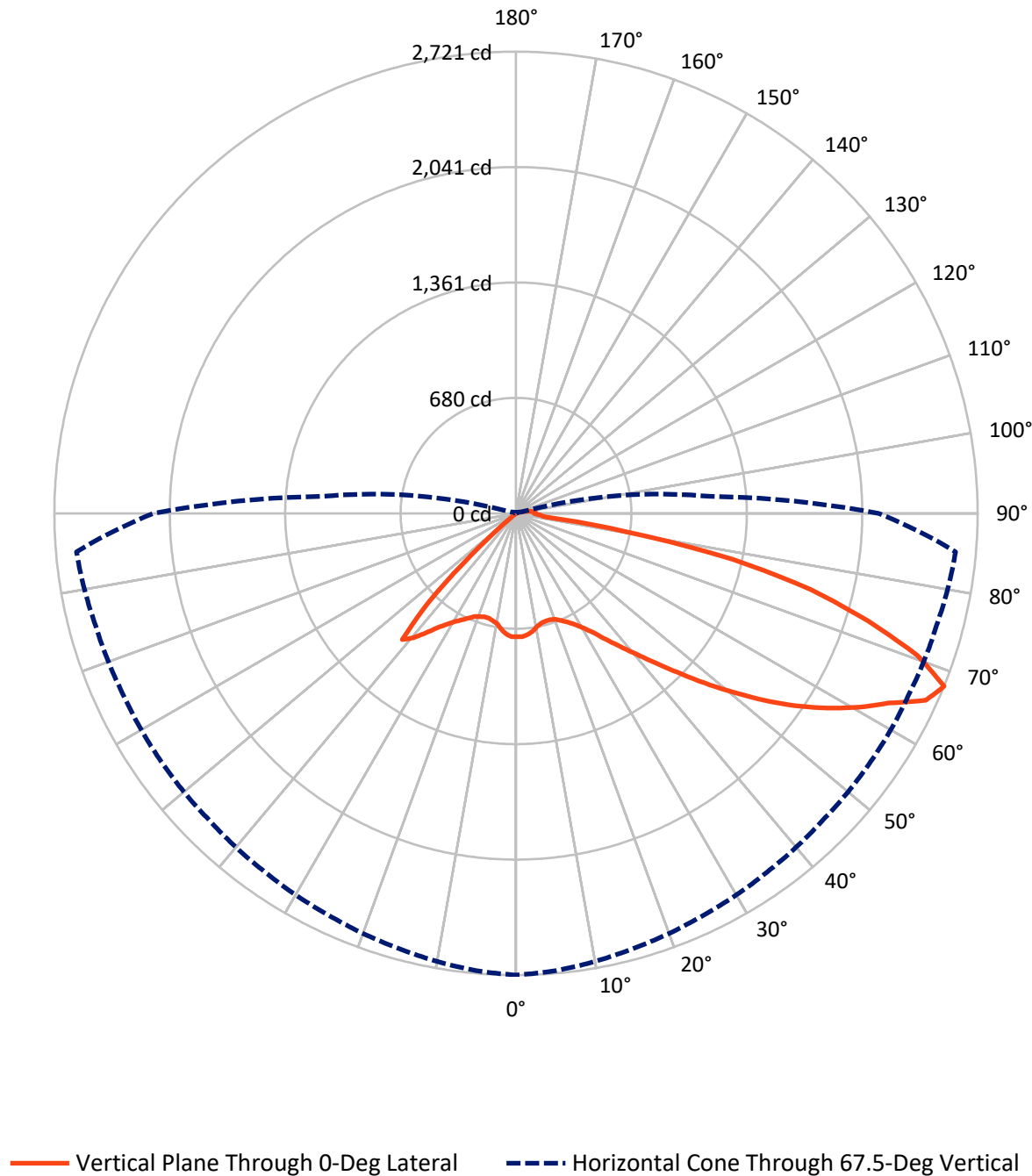


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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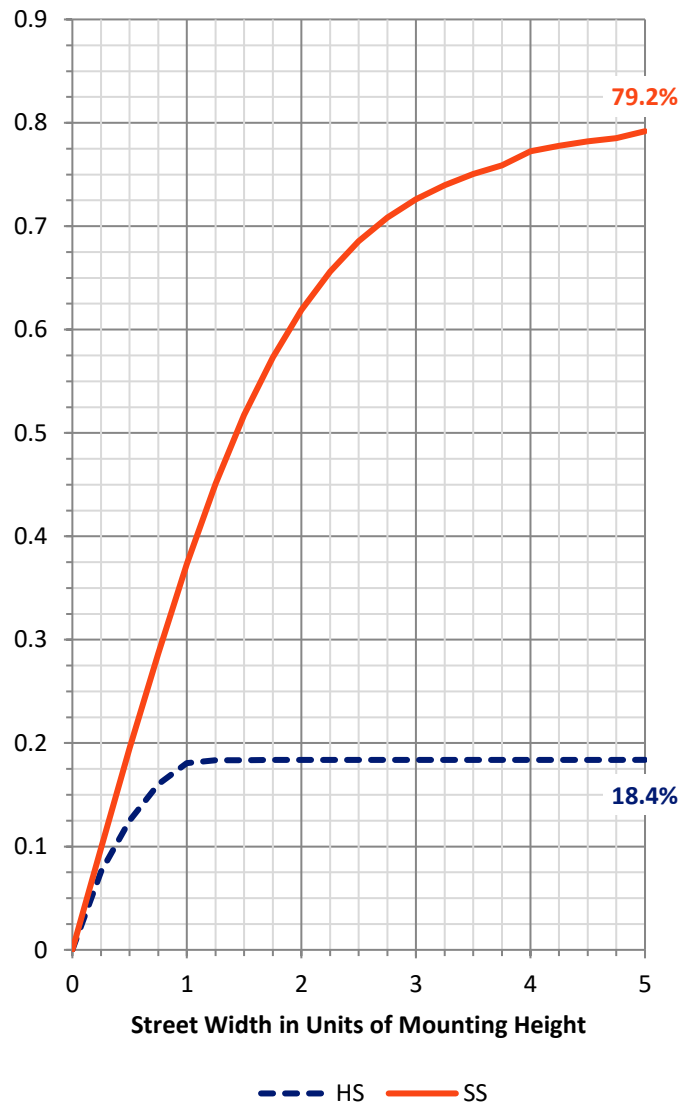
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	969.5	3.9	973.4
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	4195.7	72.9	4268.6
	% Fixture	80.0	1.4	81.4
Total	Lumens	5165.3	76.8	5242.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	1.3
10°-20°	181.1	3.5
20°-30°	319.0	6.1
30°-40°	545.3	10.4
40°-50°	749.3	14.3
50°-60°	926.1	17.7
60°-70°	1294.2	24.7
70°-80°	945.4	18.0
80°-90°	138.8	2.6
90°-100°	61.2	1.2
100°-110°	14.0	0.3
110°-120°	0.9	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°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	5165.3	98.5
0°-180°	5242.0	100.0

Coefficient of Utilization



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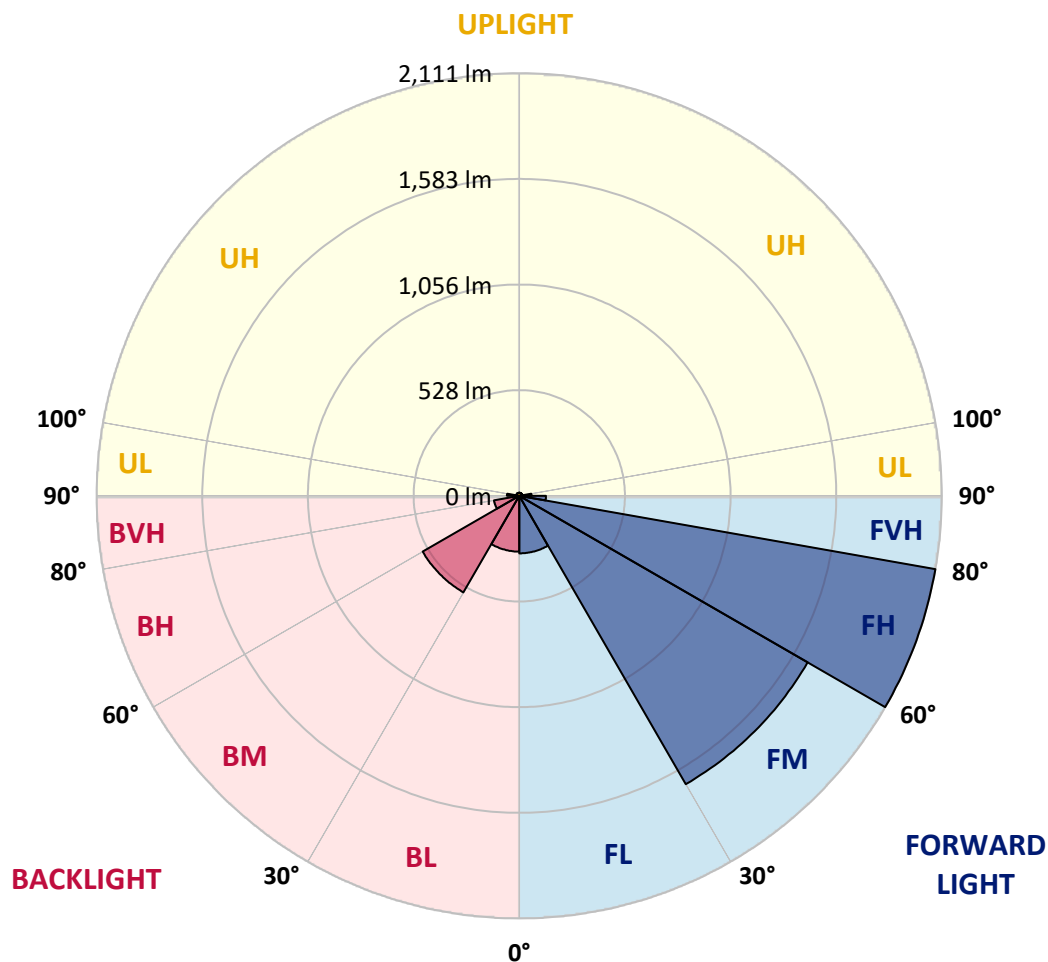
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	287.5	5.5			
FM	(30°-60°)	1663.6	31.7			
FH	(60°-80°)	2111.3	40.3			G2/5000
FVH	(80°-90°)	133.4	2.5			G2/225
BL	(0°-30°)	278.8	5.3	B1/500		
BM	(30°-60°)	557.1	10.6	B1/1000		
BH	(60°-80°)	128.3	2.4	B1/500		G1/500
BVH	(80°-90°)	5.4	0.1			G0/10
UL	(90°-100°)	61.2	1.2		U3/500	
UH	(100°-180°)	15.6	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°	727.7	727.7	727.7	727.7	727.7	727.7	727.7	727.7	727.7	727.7	727.7
2.5°	727.7	727.7	727.7	727.7	730.3	727.7	725.2	720.1	720.1	720.1	720.1
5°	717.5	717.5	720.1	720.1	717.5	714.9	709.8	709.8	707.2	707.2	707.2
7.5°	702.1	702.1	702.1	704.7	699.6	691.9	689.3	686.7	684.2	681.6	679.1
10°	679.1	679.1	679.1	676.5	671.4	663.7	658.6	653.4	653.4	650.9	648.3
12.5°	663.7	663.7	663.7	661.1	653.4	648.3	640.6	635.5	632.9	632.9	630.4
15°	658.6	658.6	658.6	656.0	648.3	643.2	635.5	630.4	625.2	622.7	620.1
17.5°	658.6	658.6	658.6	653.4	650.9	643.2	635.5	630.4	627.8	625.2	622.7
20°	666.2	668.8	666.2	663.7	656.0	650.9	643.2	635.5	632.9	632.9	630.4
22.5°	686.7	684.2	684.2	681.6	673.9	666.2	661.1	656.0	650.9	650.9	648.3
25°	709.8	712.4	712.4	707.2	702.1	694.4	686.7	679.1	676.5	673.9	671.4
27.5°	743.1	743.1	745.7	740.6	732.9	727.7	720.1	714.9	709.8	704.7	702.1
30°	784.1	786.7	786.7	781.6	773.9	763.6	758.5	750.8	743.1	743.1	735.4
32.5°	837.9	843.1	840.5	835.4	827.7	817.4	812.3	804.6	799.5	791.8	786.7
35°	912.2	914.8	912.2	907.1	894.3	884.1	878.9	873.8	868.7	858.4	848.2
37.5°	994.2	996.8	999.4	994.2	978.9	963.5	958.4	950.7	948.1	935.3	930.2
40°	1089.0	1094.2	1091.6	1083.9	1071.1	1055.7	1053.2	1045.5	1037.8	1030.1	1017.3
42.5°	1204.4	1204.4	1201.8	1196.7	1186.4	1168.5	1163.4	1155.7	1150.5	1135.2	1114.7
45°	1337.6	1340.2	1332.5	1324.8	1322.2	1306.9	1294.0	1286.4	1271.0	1253.0	1230.0
47.5°	1493.9	1491.4	1481.1	1473.4	1470.9	1458.0	1447.8	1432.4	1411.9	1391.4	1347.9
50°	1655.4	1655.4	1637.4	1629.7	1634.9	1616.9	1604.1	1586.2	1565.7	1545.2	1481.1
52.5°	1829.6	1821.9	1804.0	1806.5	1798.9	1780.9	1765.5	1752.7	1732.2	1714.3	1611.8
55°	2003.8	1993.6	1965.4	1968.0	1955.2	1934.7	1924.4	1909.0	1903.9	1883.4	1737.4
57.5°	2165.3	2152.5	2121.7	2119.2	2108.9	2085.8	2080.7	2062.8	2050.0	2039.7	1832.2
60°	2321.6	2308.8	2280.6	2270.3	2249.8	2226.8	2229.3	2219.1	2211.4	2201.2	1937.2
62.5°	2462.5	2447.2	2421.5	2401.0	2372.8	2352.3	2354.9	2349.8	2354.9	2352.3	2026.9
65°	2654.7	2639.3	2600.9	2565.0	2524.0	2493.3	2490.7	2498.4	2552.2	2557.3	2165.3
67.5°	2721.3	2706.0	2657.3	2613.7	2580.4	2557.3	2552.2	2549.7	2565.0	2600.9	2137.1
70°	2511.2	2501.0	2454.8	2424.1	2390.8	2375.4	2360.0	2367.7	2383.1	2380.5	1960.3
72.5°	2167.8	2224.2	2165.3	2137.1	2129.4	2088.4	2098.7	2091.0	2101.2	2098.7	1742.5
75°	1793.7	1778.4	1765.5	1814.2	1778.4	1747.6	1765.5	1783.5	1801.4	1780.9	1527.2
77.5°	1304.3	1314.5	1309.4	1327.4	1360.7	1345.3	1335.0	1378.6	1386.3	1317.1	1186.4
80°	656.0	697.0	709.8	740.6	758.5	725.2	697.0	758.5	748.2	668.8	602.2
82.5°	171.7	174.2	199.9	235.7	240.9	235.7	240.9	235.7	205.0	130.7	110.2
85°	143.5	143.5	176.8	215.2	222.9	212.7	212.7	199.9	158.9	82.0	66.6
87.5°	117.9	123.0	158.9	194.7	199.9	189.6	187.1	171.7	138.4	71.7	56.4
90°	105.1	110.2	143.5	174.2	176.8	166.6	164.0	153.7	125.6	71.7	56.4
92.5°	115.3	117.9	140.9	158.9	158.9	151.2	148.6	140.9	123.0	89.7	69.2
95°	102.5	105.1	115.3	123.0	120.4	112.7	117.9	110.2	102.5	84.6	64.1
97.5°	84.6	87.1	89.7	89.7	87.1	82.0	87.1	84.6	79.4	69.2	51.2
100°	64.1	64.1	64.1	66.6	64.1	61.5	64.1	58.9	56.4	48.7	35.9
102.5°	43.6	43.6	43.6	43.6	43.6	43.6	43.6	38.4	35.9	30.7	20.5
105°	25.6	25.6	23.1	25.6	25.6	23.1	23.1	20.5	15.4	12.8	7.7
107.5°	10.2	10.2	7.7	7.7	7.7	7.7	5.1	2.6	2.6	2.6	2.6
110°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
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	2.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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	2.6
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	2.6	2.6	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0
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	0.0	0.0	2.6	2.6	2.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	727.7	727.7	727.7	727.7	727.7	727.7	727.7	727.7	727.7	727.7
2.5°	720.1	720.1	720.1	720.1	720.1	720.1	722.6	725.2	727.7	727.7
5°	707.2	707.2	707.2	704.7	707.2	709.8	712.4	712.4	714.9	714.9
7.5°	681.6	679.1	679.1	679.1	681.6	686.7	686.7	689.3	691.9	691.9
10°	648.3	648.3	648.3	648.3	650.9	656.0	656.0	661.1	661.1	661.1
12.5°	630.4	630.4	627.8	625.2	630.4	630.4	638.1	640.6	643.2	648.3
15°	620.1	617.6	620.1	620.1	622.7	625.2	627.8	632.9	635.5	638.1
17.5°	620.1	620.1	620.1	622.7	625.2	625.2	627.8	632.9	635.5	638.1
20°	630.4	630.4	627.8	627.8	630.4	630.4	635.5	640.6	643.2	645.7
22.5°	645.7	643.2	643.2	640.6	643.2	645.7	650.9	656.0	656.0	656.0
25°	666.2	663.7	663.7	663.7	668.8	668.8	673.9	679.1	679.1	679.1
27.5°	699.6	694.4	691.9	691.9	691.9	694.4	699.6	702.1	704.7	704.7
30°	727.7	722.6	720.1	717.5	720.1	722.6	727.7	732.9	732.9	732.9
32.5°	779.0	766.2	758.5	761.1	761.1	763.6	768.7	768.7	771.3	771.3
35°	837.9	825.1	812.3	814.9	814.9	817.4	817.4	817.4	822.6	817.4
37.5°	912.2	891.7	881.5	884.1	878.9	878.9	878.9	878.9	876.4	881.5
40°	991.7	960.9	950.7	953.2	950.7	948.1	948.1	950.7	948.1	950.7
42.5°	978.9	850.7	881.5	917.4	943.0	960.9	981.4	991.7	991.7	1001.9
45°	855.9	504.8	540.7	589.4	630.4	673.9	694.4	709.8	720.1	740.6
47.5°	743.1	181.9	207.6	240.9	284.4	284.4	320.3	335.7	340.8	358.7
50°	722.6	28.2	23.1	25.6	28.2	30.7	33.3	41.0	41.0	51.2
52.5°	786.7	25.6	15.4	10.2	10.2	7.7	5.1	5.1	5.1	7.7
55°	858.4	28.2	15.4	10.2	7.7	7.7	2.6	2.6	2.6	2.6
57.5°	919.9	25.6	12.8	10.2	7.7	5.1	0.0	0.0	0.0	0.0
60°	986.5	28.2	15.4	10.2	7.7	5.1	0.0	0.0	0.0	0.0
62.5°	1045.5	28.2	15.4	10.2	7.7	2.6	0.0	0.0	0.0	0.0
65°	1130.0	30.7	15.4	10.2	5.1	0.0	0.0	0.0	0.0	0.0
67.5°	1145.4	30.7	15.4	7.7	2.6	0.0	0.0	0.0	0.0	0.0
70°	1022.4	25.6	10.2	5.1	2.6	0.0	0.0	0.0	0.0	0.0
72.5°	878.9	15.4	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	707.2	12.8	5.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	474.1	10.2	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	212.7	7.7	2.6	2.6	0.0	0.0	2.6	2.6	0.0	0.0
82.5°	46.1	5.1	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.7	5.1	2.6	2.6	0.0	0.0	2.6	2.6	0.0	0.0
87.5°	28.2	2.6	2.6	2.6	0.0	0.0	0.0	2.6	0.0	0.0
90°	28.2	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	33.3	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	30.7	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	23.1	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	15.4	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	7.7	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-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	0.0	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°	0.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	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°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.6	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°	2.6	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°	2.6	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	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.6	2.6	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	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.6	0.0	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)