

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: P691005

Luminaire Tested: **CRTK2-C01-D-U-T5R-8027-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691005
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-C01-D-U-T5R-8027-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 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: 5180 lumens
Efficiency: N/A
Efficacy: 84.9 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): 61
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



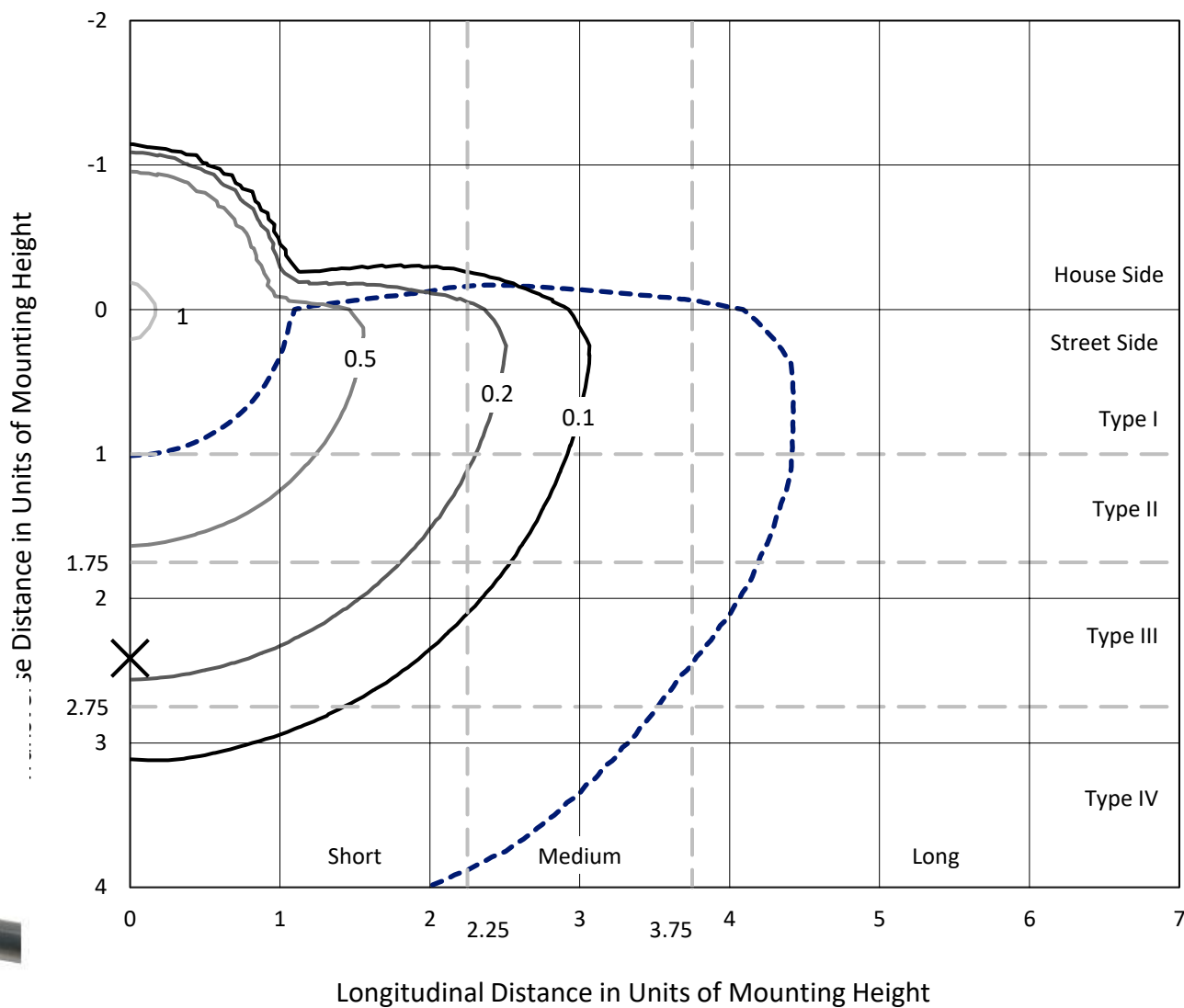
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

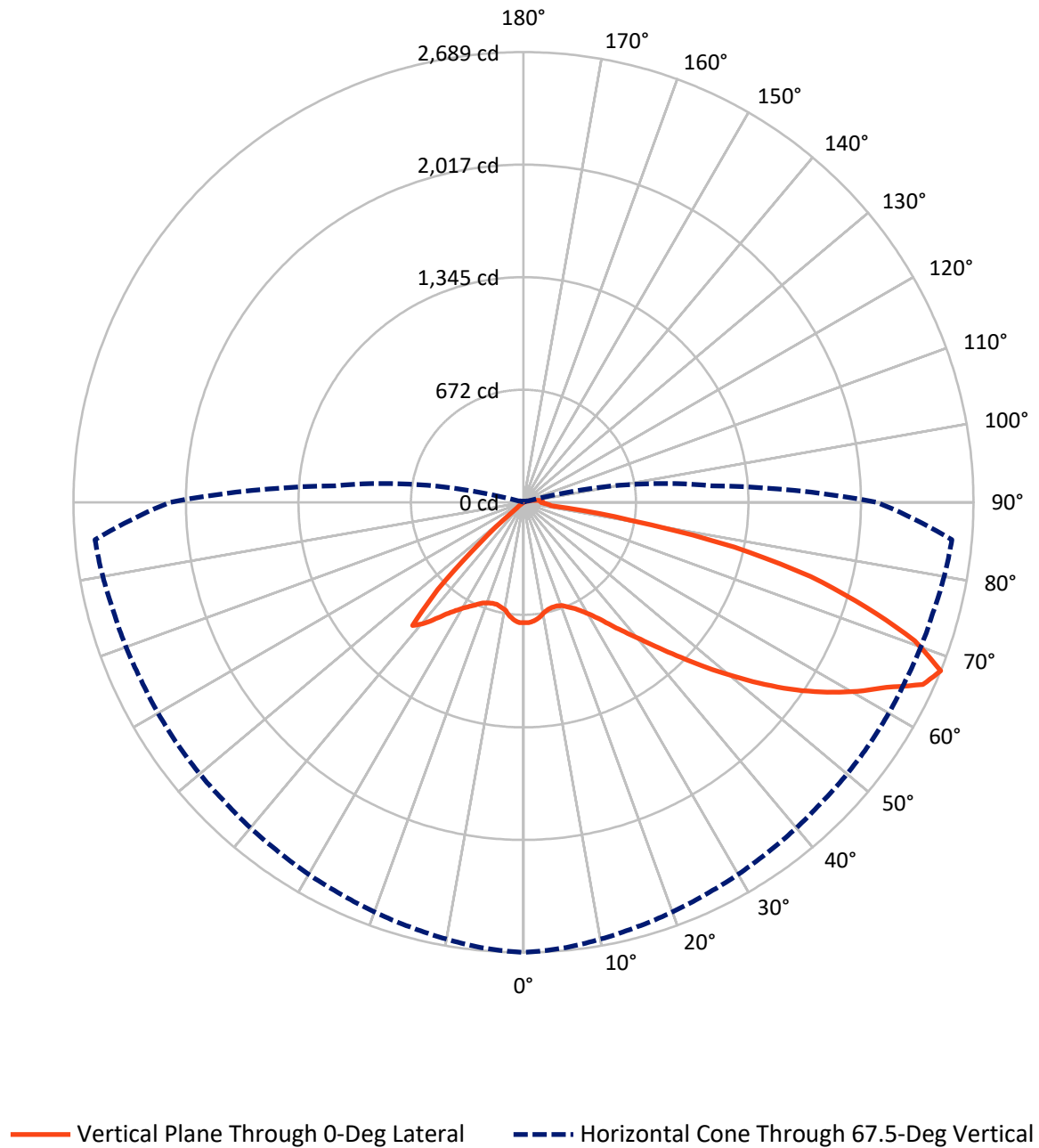


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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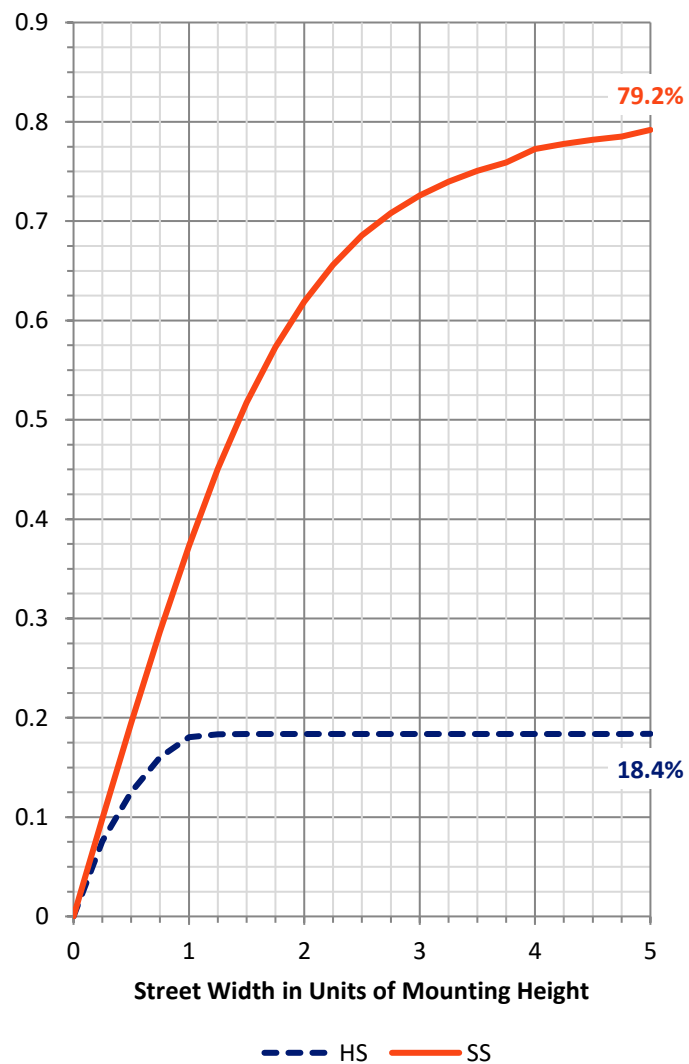
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	958.0	3.8	961.9
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	4146.1	72.0	4218.1
	% Fixture	80.0	1.4	81.4
Total	Lumens	5104.2	75.8	5180.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.3
10°-20°	178.9	3.5
20°-30°	315.2	6.1
30°-40°	538.8	10.4
40°-50°	740.4	14.3
50°-60°	915.1	17.7
60°-70°	1278.9	24.7
70°-80°	934.2	18.0
80°-90°	137.2	2.6
90°-100°	60.5	1.2
100°-110°	13.8	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°	5104.2	98.5
0°-180°	5180.0	100.0

Coefficient of Utilization



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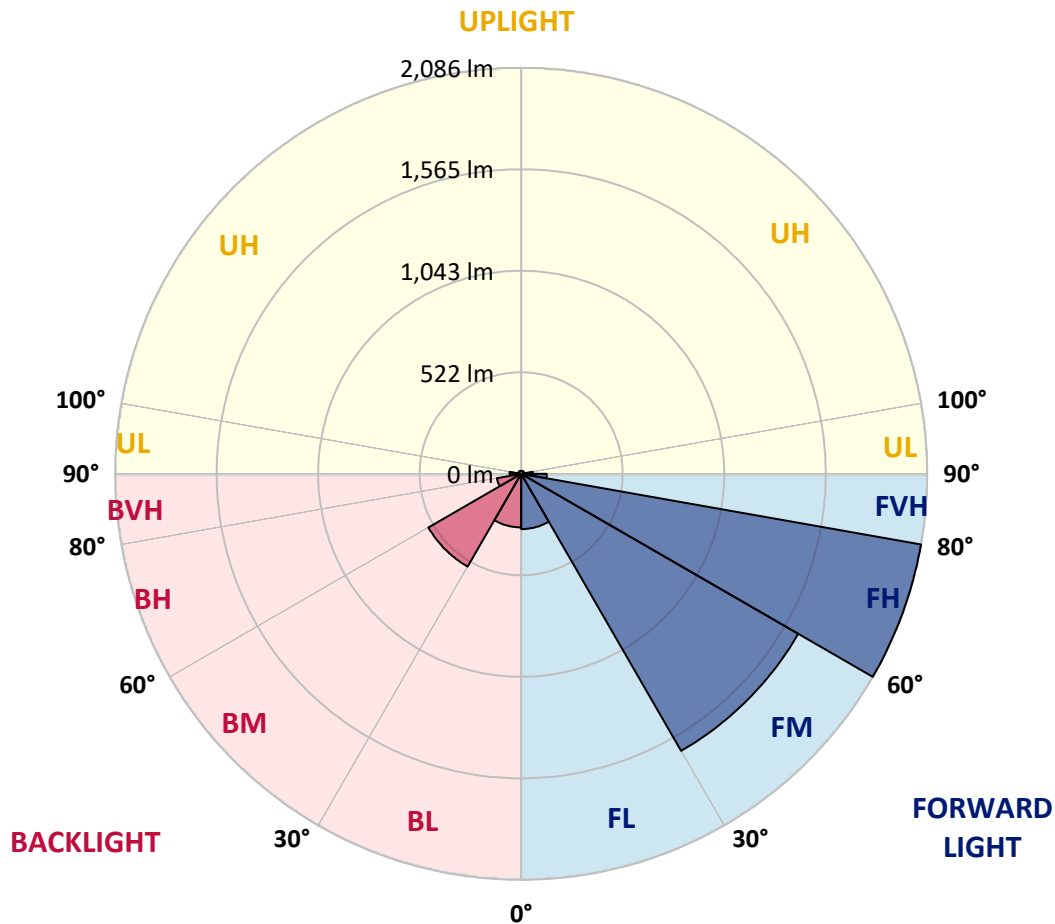
CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	284.1	5.5			
FM	(30°-60°)	1643.9	31.7			
FH	(60°-80°)	2086.3	40.3			G2/5000
FVH	(80°-90°)	131.8	2.5			G2/225
BL	(0°-30°)	275.5	5.3	B1/500		
BM	(30°-60°)	550.5	10.6	B1/1000		
BH	(60°-80°)	126.8	2.4	B1/500		G1/500
BVH	(80°-90°)	5.3	0.1			G0/10
UL	(90°-100°)	60.5	1.2		U3/500	
UH	(100°-180°)	15.3	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°	719.1	719.1	719.1	719.1	719.1	719.1	719.1	719.1	719.1	719.1	719.1
2.5°	719.1	719.1	719.1	719.1	721.7	719.1	716.6	711.5	711.5	711.5	711.5
5°	709.0	709.0	711.5	711.5	709.0	706.5	701.4	701.4	698.9	698.9	698.9
7.5°	693.8	693.8	693.8	696.3	691.3	683.7	681.2	678.6	676.1	673.6	671.0
10°	671.0	671.0	671.0	668.5	663.4	655.8	650.8	645.7	645.7	643.2	640.6
12.5°	655.8	655.8	655.8	653.3	645.7	640.6	633.0	628.0	625.4	625.4	622.9
15°	650.8	650.8	650.8	648.2	640.6	635.6	628.0	622.9	617.8	615.3	612.8
17.5°	650.8	650.8	650.8	645.7	643.2	635.6	628.0	622.9	620.4	617.8	615.3
20°	658.4	660.9	658.4	655.8	648.2	643.2	635.6	628.0	625.4	625.4	622.9
22.5°	678.6	676.1	676.1	673.6	666.0	658.4	653.3	648.2	643.2	643.2	640.6
25°	701.4	703.9	703.9	698.9	693.8	686.2	678.6	671.0	668.5	666.0	663.4
27.5°	734.3	734.3	736.9	731.8	724.2	719.1	711.5	706.5	701.4	696.3	693.8
30°	774.8	777.4	777.4	772.3	764.7	754.6	749.5	741.9	734.3	734.3	726.7
32.5°	828.0	833.1	830.5	825.5	817.9	807.8	802.7	795.1	790.0	782.4	777.4
35°	901.4	904.0	901.4	896.4	883.7	873.6	868.5	863.5	858.4	848.3	838.1
37.5°	982.5	985.0	987.5	982.5	967.3	952.1	947.0	939.4	936.9	924.2	919.2
40°	1076.2	1081.2	1078.7	1071.1	1058.4	1043.2	1040.7	1033.1	1025.5	1017.9	1005.3
42.5°	1190.1	1190.1	1187.6	1182.5	1172.4	1154.7	1149.6	1142.0	1136.9	1121.7	1101.5
45°	1321.8	1324.3	1316.7	1309.1	1306.6	1291.4	1278.7	1271.1	1256.0	1238.2	1215.4
47.5°	1476.2	1473.7	1463.6	1456.0	1453.5	1440.8	1430.7	1415.5	1395.2	1375.0	1331.9
50°	1635.8	1635.8	1618.1	1610.5	1615.5	1597.8	1585.1	1567.4	1547.1	1526.9	1463.6
52.5°	1808.0	1800.4	1782.6	1785.2	1777.6	1759.9	1744.7	1732.0	1711.7	1694.0	1592.7
55°	1980.1	1970.0	1942.2	1944.7	1932.0	1911.8	1901.7	1886.5	1881.4	1861.1	1716.8
57.5°	2139.7	2127.0	2096.6	2094.1	2084.0	2061.2	2056.1	2038.4	2025.7	2015.6	1810.5
60°	2294.1	2281.5	2253.6	2243.5	2223.2	2200.4	2203.0	2192.9	2185.3	2175.1	1914.3
62.5°	2433.4	2418.2	2392.9	2372.6	2344.8	2324.5	2327.1	2322.0	2327.1	2324.5	2002.9
65°	2623.3	2608.1	2570.1	2534.7	2494.2	2463.8	2461.3	2468.9	2522.0	2527.1	2139.7
67.5°	2689.2	2674.0	2625.8	2582.8	2549.9	2527.1	2522.0	2519.5	2534.7	2570.1	2111.8
70°	2481.5	2471.4	2425.8	2395.4	2362.5	2347.3	2332.1	2339.7	2354.9	2352.4	1937.1
72.5°	2142.2	2197.9	2139.7	2111.8	2104.2	2063.7	2073.8	2066.2	2076.4	2073.8	1721.9
75°	1772.5	1757.3	1744.7	1792.8	1757.3	1726.9	1744.7	1762.4	1780.1	1759.9	1509.2
77.5°	1288.9	1299.0	1293.9	1311.7	1344.6	1329.4	1319.3	1362.3	1369.9	1301.5	1172.4
80°	648.2	688.7	701.4	731.8	749.5	716.6	688.7	749.5	739.4	660.9	595.1
82.5°	169.7	172.2	197.5	233.0	238.0	233.0	238.0	233.0	202.6	129.1	108.9
85°	141.8	141.8	174.7	212.7	220.3	210.2	210.2	197.5	157.0	81.0	65.8
87.5°	116.5	121.5	157.0	192.4	197.5	187.4	184.8	169.7	136.7	70.9	55.7
90°	103.8	108.9	141.8	172.2	174.7	164.6	162.1	151.9	124.1	70.9	55.7
92.5°	113.9	116.5	139.3	157.0	157.0	149.4	146.9	139.3	121.5	88.6	68.4
95°	101.3	103.8	113.9	121.5	119.0	111.4	116.5	108.9	101.3	83.6	63.3
97.5°	83.6	86.1	88.6	88.6	86.1	81.0	86.1	83.6	78.5	68.4	50.6
100°	63.3	63.3	63.3	65.8	63.3	60.8	63.3	58.2	55.7	48.1	35.5
102.5°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	38.0	35.5	30.4	20.3
105°	25.3	25.3	22.8	25.3	25.3	22.8	22.8	20.3	15.2	12.7	7.6
107.5°	10.1	10.1	7.6	7.6	7.6	7.6	5.1	2.5	2.5	2.5	2.5
110°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0

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CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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	2.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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	2.5
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	2.5	2.5	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
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°	719.1	719.1	719.1	719.1	719.1	719.1	719.1	719.1	719.1	719.1
2.5°	711.5	711.5	711.5	711.5	711.5	711.5	714.1	716.6	719.1	719.1
5°	698.9	698.9	698.9	696.3	698.9	701.4	703.9	703.9	706.5	706.5
7.5°	673.6	671.0	671.0	671.0	673.6	678.6	678.6	681.2	683.7	683.7
10°	640.6	640.6	640.6	640.6	643.2	648.2	648.2	653.3	653.3	653.3
12.5°	622.9	622.9	620.4	617.8	622.9	622.9	630.5	633.0	635.6	640.6
15°	612.8	610.3	612.8	612.8	615.3	617.8	620.4	625.4	628.0	630.5
17.5°	612.8	612.8	612.8	615.3	617.8	617.8	620.4	625.4	628.0	630.5
20°	622.9	622.9	620.4	620.4	622.9	622.9	628.0	633.0	635.6	638.1
22.5°	638.1	635.6	635.6	633.0	635.6	638.1	643.2	648.2	648.2	648.2
25°	658.4	655.8	655.8	655.8	660.9	660.9	666.0	671.0	671.0	671.0
27.5°	691.3	686.2	683.7	683.7	683.7	686.2	691.3	693.8	696.3	696.3
30°	719.1	714.1	711.5	709.0	711.5	714.1	719.1	724.2	724.2	724.2
32.5°	769.8	757.1	749.5	752.1	752.1	754.6	759.6	759.6	762.2	762.2
35°	828.0	815.4	802.7	805.2	805.2	807.8	807.8	807.8	812.8	807.8
37.5°	901.4	881.2	871.1	873.6	868.5	868.5	868.5	868.5	866.0	871.1
40°	979.9	949.6	939.4	942.0	939.4	936.9	936.9	939.4	936.9	939.4
42.5°	967.3	840.7	871.1	906.5	931.8	949.6	969.8	979.9	979.9	990.1
45°	845.7	498.8	534.3	582.4	622.9	666.0	686.2	701.4	711.5	731.8
47.5°	734.3	179.8	205.1	238.0	281.1	281.1	316.5	331.7	336.8	354.5
50°	714.1	27.9	22.8	25.3	27.9	30.4	32.9	40.5	40.5	50.6
52.5°	777.4	25.3	15.2	10.1	10.1	7.6	5.1	5.1	5.1	7.6
55°	848.3	27.9	15.2	10.1	7.6	7.6	2.5	2.5	2.5	2.5
57.5°	909.0	25.3	12.7	10.1	7.6	5.1	0.0	0.0	0.0	0.0
60°	974.9	27.9	15.2	10.1	7.6	5.1	0.0	0.0	0.0	0.0
62.5°	1033.1	27.9	15.2	10.1	7.6	2.5	0.0	0.0	0.0	0.0
65°	1116.7	30.4	15.2	10.1	5.1	0.0	0.0	0.0	0.0	0.0
67.5°	1131.9	30.4	15.2	7.6	2.5	0.0	0.0	0.0	0.0	0.0
70°	1010.3	25.3	10.1	5.1	2.5	0.0	0.0	0.0	0.0	0.0
72.5°	868.5	15.2	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	698.9	12.7	5.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	468.4	10.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	210.2	7.6	2.5	2.5	0.0	0.0	2.5	2.5	0.0	0.0
82.5°	45.6	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.4	5.1	2.5	2.5	0.0	0.0	2.5	2.5	0.0	0.0
87.5°	27.9	2.5	2.5	2.5	0.0	0.0	0.0	2.5	0.0	0.0
90°	27.9	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	32.9	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	30.4	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	22.8	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	15.2	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	7.6	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.5	2.5	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°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.5	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°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.5	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°	2.5	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°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.5	2.5	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	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.5	2.5	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)