

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: P692003

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7040-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692003
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-C01HO-D-U-T5R-7040-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7775 lumens
Efficiency: N/A
Efficacy: 98.4 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): 79
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

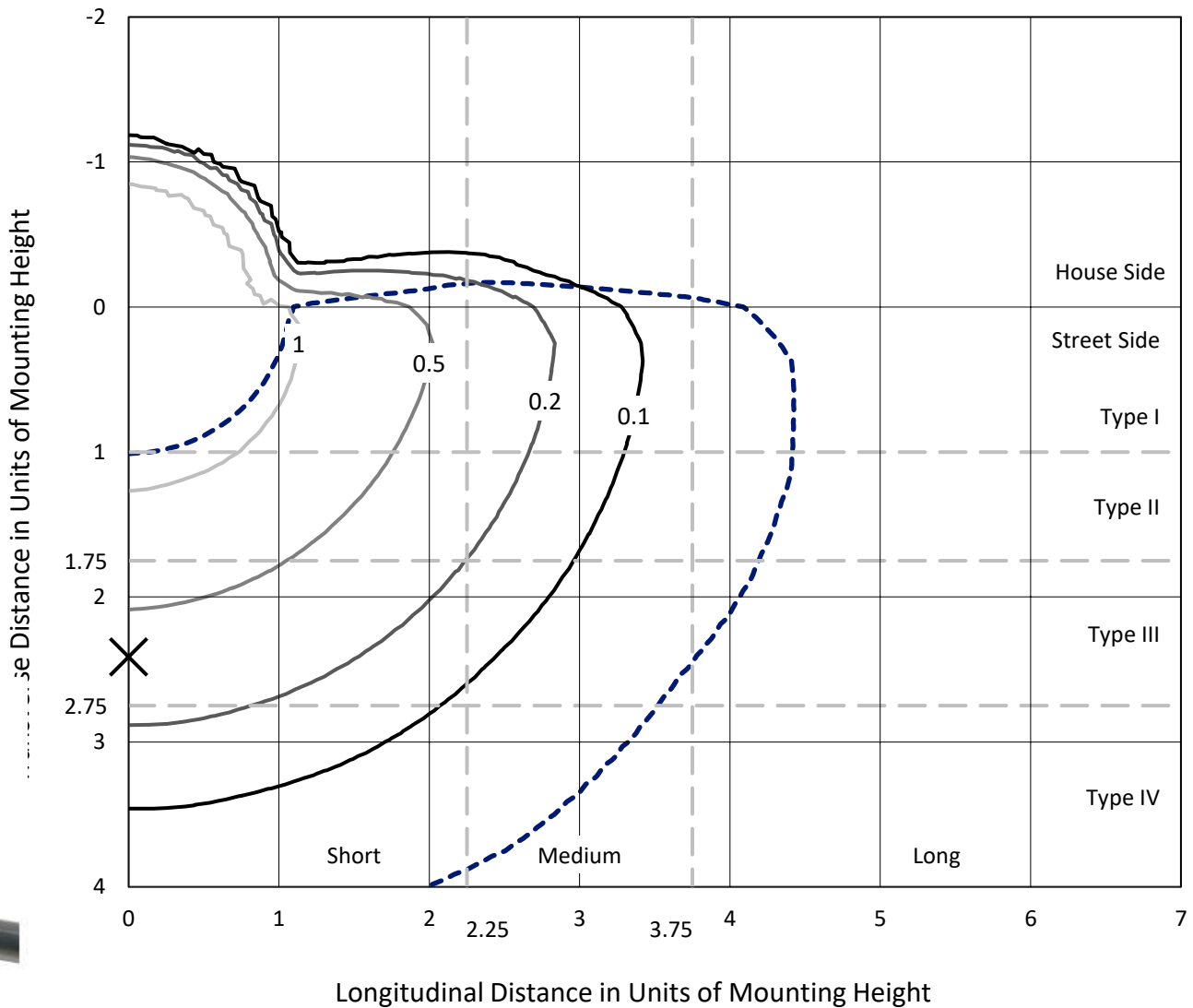


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

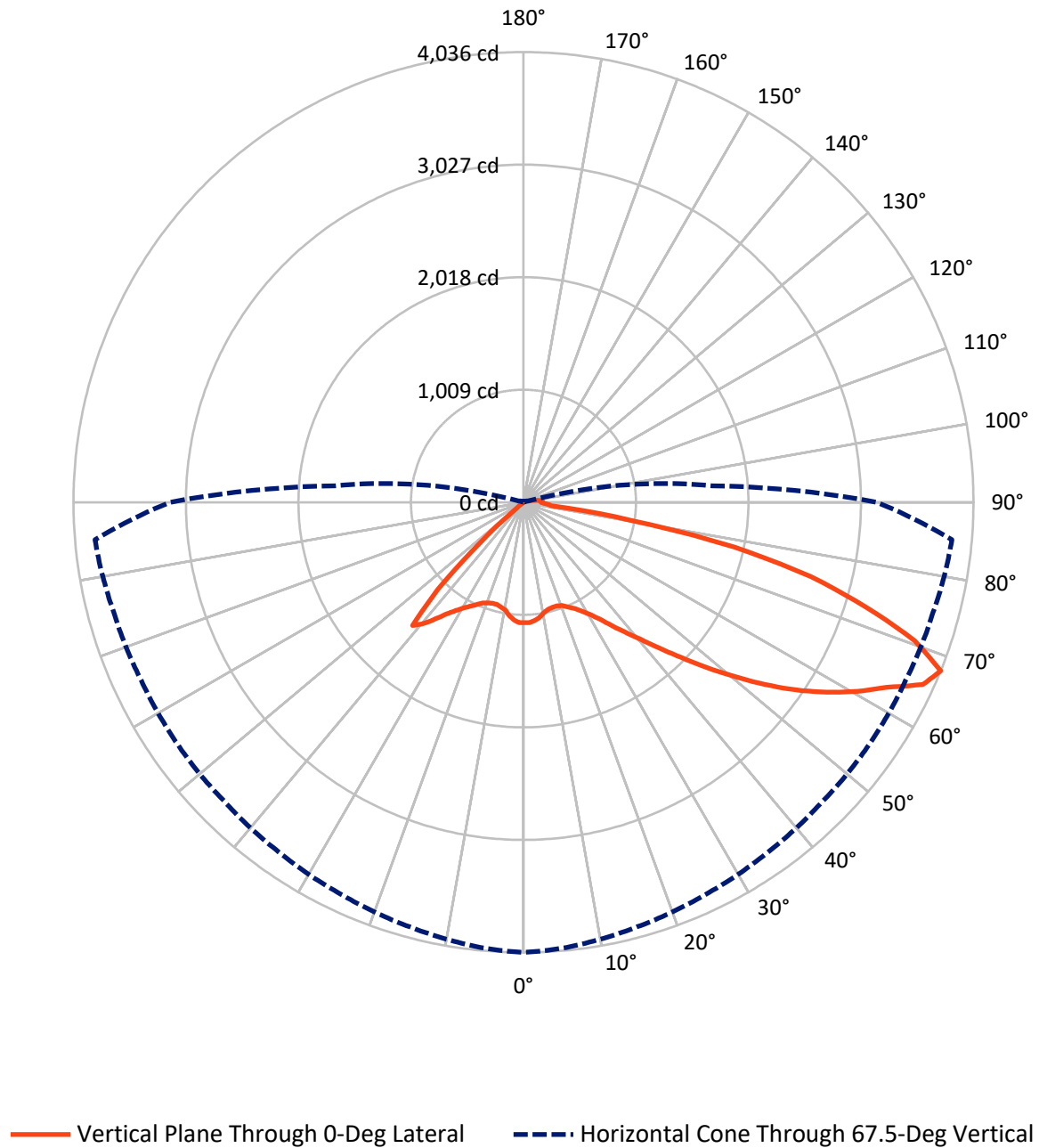


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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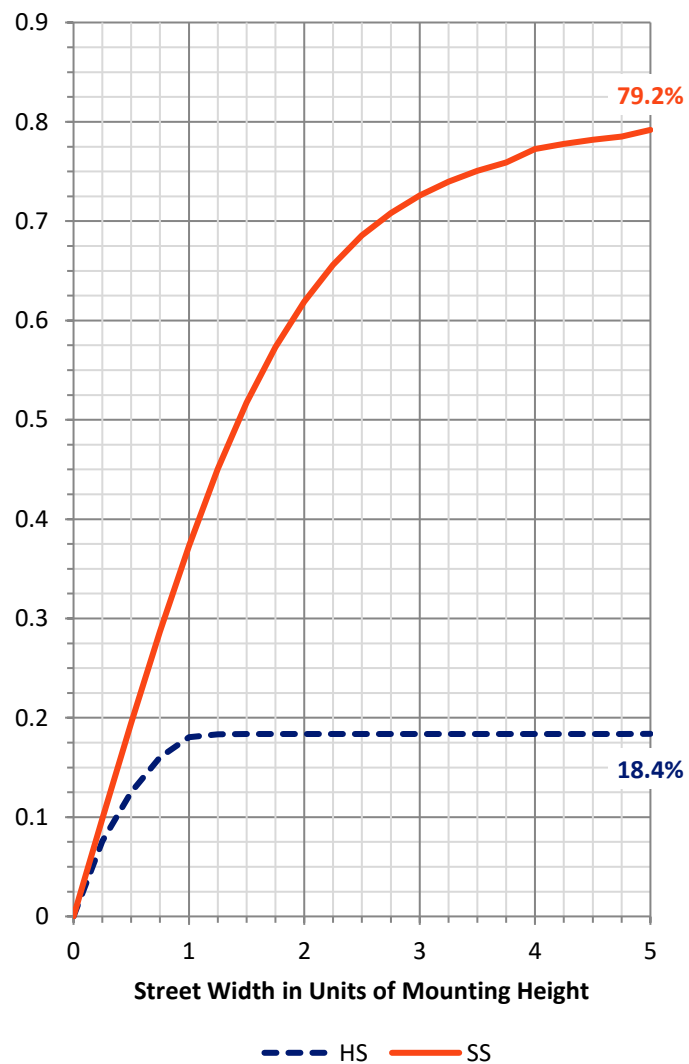
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1438.0	5.8	1443.8
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	6223.2	108.0	6331.2
	% Fixture	80.0	1.4	81.4
Total	Lumens	7661.2	113.8	7775.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	1.3
10°-20°	268.6	3.5
20°-30°	473.1	6.1
30°-40°	808.7	10.4
40°-50°	1111.4	14.3
50°-60°	1373.6	17.7
60°-70°	1919.6	24.7
70°-80°	1402.2	18.0
80°-90°	205.9	2.6
90°-100°	90.7	1.2
100°-110°	20.7	0.3
110°-120°	1.3	0.0
120°-130°	0.3	0.0
130°-140°	0.2	0.0
140°-150°	0.0	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7661.2	98.5
0°-180°	7775.0	100.0

Coefficient of Utilization



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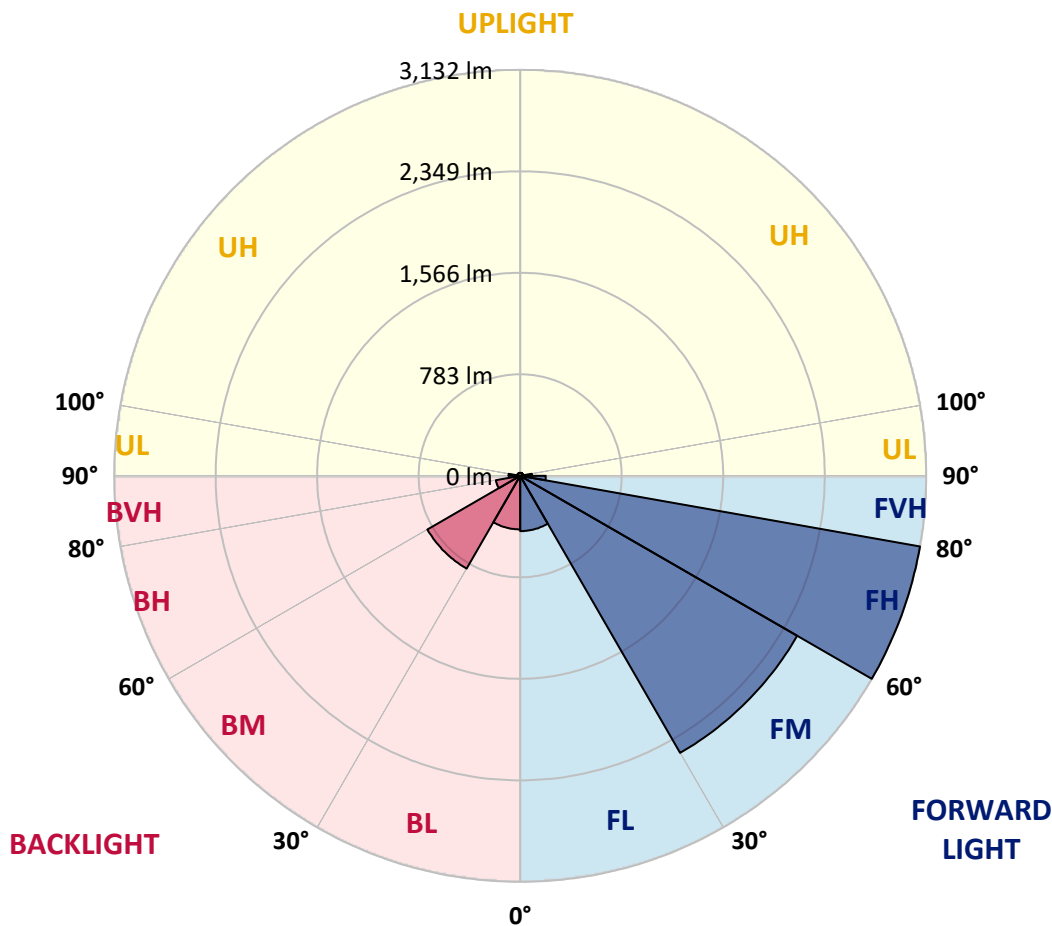
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	426.4	5.5			
FM	(30°-60°)	2467.4	31.7			
FH	(60°-80°)	3131.5	40.3			G2/5000
FVH	(80°-90°)	197.9	2.5			G2/225
BL	(0°-30°)	413.5	5.3	B1/500		
BM	(30°-60°)	826.3	10.6	B1/1000		
BH	(60°-80°)	190.3	2.4	B1/500		G1/500
BVH	(80°-90°)	8.0	0.1			G0/10
UL	(90°-100°)	90.7	1.2		U3/500	
UH	(100°-180°)	23.1	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°	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4
2.5°	1079.4	1079.4	1079.4	1079.4	1083.2	1079.4	1075.6	1068.0	1068.0	1068.0	1068.0
5°	1064.2	1064.2	1068.0	1068.0	1064.2	1060.4	1052.8	1052.8	1049.0	1049.0	1049.0
7.5°	1041.4	1041.4	1041.4	1045.2	1037.6	1026.2	1022.4	1018.6	1014.8	1011.0	1007.2
10°	1007.2	1007.2	1007.2	1003.4	995.8	984.4	976.8	969.2	969.2	965.4	961.6
12.5°	984.4	984.4	984.4	980.6	969.2	961.6	950.2	942.6	938.8	938.8	935.0
15°	976.8	976.8	976.8	973.0	961.6	954.0	942.6	935.0	927.4	923.6	919.8
17.5°	976.8	976.8	976.8	969.2	965.4	954.0	942.6	935.0	931.2	927.4	923.6
20°	988.2	992.0	988.2	984.4	973.0	965.4	954.0	942.6	938.8	938.8	935.0
22.5°	1018.6	1014.8	1014.8	1011.0	999.6	988.2	980.6	973.0	965.4	965.4	961.6
25°	1052.8	1056.6	1056.6	1049.0	1041.4	1030.0	1018.6	1007.2	1003.4	999.6	995.8
27.5°	1102.2	1102.2	1106.0	1098.4	1087.0	1079.4	1068.0	1060.4	1052.8	1045.2	1041.4
30°	1163.0	1166.8	1166.8	1159.2	1147.8	1132.6	1125.0	1113.6	1102.2	1102.2	1090.8
32.5°	1242.8	1250.4	1246.6	1239.0	1227.6	1212.4	1204.8	1193.4	1185.8	1174.4	1166.8
35°	1353.0	1356.8	1353.0	1345.4	1326.4	1311.2	1303.6	1296.0	1288.4	1273.2	1258.0
37.5°	1474.7	1478.5	1482.3	1474.7	1451.9	1429.1	1421.5	1410.1	1406.3	1387.2	1379.6
40°	1615.3	1622.9	1619.1	1607.7	1588.7	1565.9	1562.1	1550.7	1539.3	1527.9	1508.9
42.5°	1786.3	1786.3	1782.5	1774.9	1759.7	1733.1	1725.5	1714.1	1706.5	1683.7	1653.3
45°	1984.0	1987.8	1976.4	1965.0	1961.2	1938.3	1919.3	1907.9	1885.1	1858.5	1824.3
47.5°	2215.8	2212.0	2196.8	2185.4	2181.6	2162.6	2147.4	2124.6	2094.2	2063.8	1999.2
50°	2455.2	2455.2	2428.6	2417.2	2424.8	2398.2	2379.2	2352.6	2322.2	2291.8	2196.8
52.5°	2713.7	2702.3	2675.7	2679.5	2668.1	2641.5	2618.7	2599.7	2569.3	2542.7	2390.6
55°	2972.1	2956.9	2915.1	2918.9	2899.9	2869.5	2854.3	2831.5	2823.9	2793.5	2576.9
57.5°	3211.6	3192.6	3147.0	3143.2	3128.0	3093.8	3086.2	3059.6	3040.5	3025.3	2717.5
60°	3443.4	3424.4	3382.6	3367.4	3337.0	3302.8	3306.6	3291.4	3280.0	3264.8	2873.3
62.5°	3652.5	3629.7	3591.6	3561.2	3519.4	3489.0	3492.8	3485.2	3492.8	3489.0	3006.3
65°	3937.5	3914.7	3857.7	3804.5	3743.7	3698.1	3694.3	3705.7	3785.5	3793.1	3211.6
67.5°	4036.3	4013.5	3941.3	3876.7	3827.3	3793.1	3785.5	3781.7	3804.5	3857.7	3169.8
70°	3724.7	3709.5	3641.1	3595.4	3546.0	3523.2	3500.4	3511.8	3534.6	3530.8	2907.5
72.5°	3215.4	3299.0	3211.6	3169.8	3158.4	3097.6	3112.8	3101.4	3116.6	3112.8	2584.5
75°	2660.5	2637.7	2618.7	2690.9	2637.7	2592.1	2618.7	2645.3	2671.9	2641.5	2265.2
77.5°	1934.5	1949.8	1942.1	1968.8	2018.2	1995.4	1980.2	2044.8	2056.2	1953.6	1759.7
80°	973.0	1033.8	1052.8	1098.4	1125.0	1075.6	1033.8	1125.0	1109.8	992.0	893.2
82.5°	254.6	258.4	296.5	349.7	357.3	349.7	357.3	349.7	304.1	193.8	163.4
85°	212.8	212.8	262.2	319.3	330.7	315.5	315.5	296.5	235.6	121.6	98.8
87.5°	174.8	182.4	235.6	288.9	296.5	281.3	277.4	254.6	205.2	106.4	83.6
90°	155.8	163.4	212.8	258.4	262.2	247.0	243.2	228.0	186.2	106.4	83.6
92.5°	171.0	174.8	209.0	235.6	235.6	224.2	220.4	209.0	182.4	133.0	102.6
95°	152.0	155.8	171.0	182.4	178.6	167.2	174.8	163.4	152.0	125.4	95.0
97.5°	125.4	129.2	133.0	133.0	129.2	121.6	129.2	125.4	117.8	102.6	76.0
100°	95.0	95.0	95.0	98.8	95.0	91.2	95.0	87.4	83.6	72.2	53.2
102.5°	64.6	64.6	64.6	64.6	64.6	64.6	64.6	57.0	53.2	45.6	30.4
105°	38.0	38.0	34.2	38.0	38.0	34.2	34.2	30.4	22.8	19.0	11.4
107.5°	15.2	15.2	11.4	11.4	11.4	11.4	7.6	3.8	3.8	3.8	3.8
110°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0

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CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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	3.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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	3.8
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	3.8	3.8	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
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°	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4	1079.4
2.5°	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1071.8	1075.6	1079.4	1079.4
5°	1049.0	1049.0	1049.0	1045.2	1049.0	1052.8	1056.6	1056.6	1060.4	1060.4
7.5°	1011.0	1007.2	1007.2	1007.2	1011.0	1018.6	1018.6	1022.4	1026.2	1026.2
10°	961.6	961.6	961.6	961.6	965.4	973.0	973.0	980.6	980.6	980.6
12.5°	935.0	935.0	931.2	927.4	935.0	935.0	946.4	950.2	954.0	961.6
15°	919.8	916.0	919.8	919.8	923.6	927.4	931.2	938.8	942.6	946.4
17.5°	919.8	919.8	919.8	923.6	927.4	927.4	931.2	938.8	942.6	946.4
20°	935.0	935.0	931.2	931.2	935.0	935.0	942.6	950.2	954.0	957.8
22.5°	957.8	954.0	954.0	950.2	954.0	957.8	965.4	973.0	973.0	973.0
25°	988.2	984.4	984.4	984.4	992.0	992.0	999.6	1007.2	1007.2	1007.2
27.5°	1037.6	1030.0	1026.2	1026.2	1026.2	1030.0	1037.6	1041.4	1045.2	1045.2
30°	1079.4	1071.8	1068.0	1064.2	1068.0	1071.8	1079.4	1087.0	1087.0	1087.0
32.5°	1155.4	1136.4	1125.0	1128.8	1128.8	1132.6	1140.2	1140.2	1144.0	1144.0
35°	1242.8	1223.8	1204.8	1208.6	1208.6	1212.4	1212.4	1212.4	1220.0	1212.4
37.5°	1353.0	1322.6	1307.4	1311.2	1303.6	1303.6	1303.6	1303.6	1299.8	1307.4
40°	1470.9	1425.3	1410.1	1413.9	1410.1	1406.3	1406.3	1410.1	1406.3	1410.1
42.5°	1451.9	1261.8	1307.4	1360.6	1398.7	1425.3	1455.7	1470.9	1470.9	1486.1
45°	1269.4	748.7	801.9	874.2	935.0	999.6	1030.0	1052.8	1068.0	1098.4
47.5°	1102.2	269.8	307.9	357.3	421.9	421.9	475.1	497.9	505.5	532.1
50°	1071.8	41.8	34.2	38.0	41.8	45.6	49.4	60.8	60.8	76.0
52.5°	1166.8	38.0	22.8	15.2	15.2	11.4	7.6	7.6	7.6	11.4
55°	1273.2	41.8	22.8	15.2	11.4	11.4	3.8	3.8	3.8	3.8
57.5°	1364.4	38.0	19.0	15.2	11.4	7.6	0.0	0.0	0.0	0.0
60°	1463.3	41.8	22.8	15.2	11.4	7.6	0.0	0.0	0.0	0.0
62.5°	1550.7	41.8	22.8	15.2	11.4	3.8	0.0	0.0	0.0	0.0
65°	1676.1	45.6	22.8	15.2	7.6	0.0	0.0	0.0	0.0	0.0
67.5°	1698.9	45.6	22.8	11.4	3.8	0.0	0.0	0.0	0.0	0.0
70°	1516.5	38.0	15.2	7.6	3.8	0.0	0.0	0.0	0.0	0.0
72.5°	1303.6	22.8	11.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	1049.0	19.0	7.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	703.1	15.2	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	315.5	11.4	3.8	3.8	0.0	0.0	3.8	3.8	0.0	0.0
82.5°	68.4	7.6	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	45.6	7.6	3.8	3.8	0.0	0.0	3.8	3.8	0.0	0.0
87.5°	41.8	3.8	3.8	3.8	0.0	0.0	0.0	3.8	0.0	0.0
90°	41.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	49.4	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	45.6	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	34.2	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	22.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	11.4	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.8	3.8	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°	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	3.8	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°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	3.8	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°	3.8	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°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.8	3.8	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	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.8	3.8	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)