

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: P691913

Luminaire Tested: **CRTK2-C01H-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6244 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 70.2
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

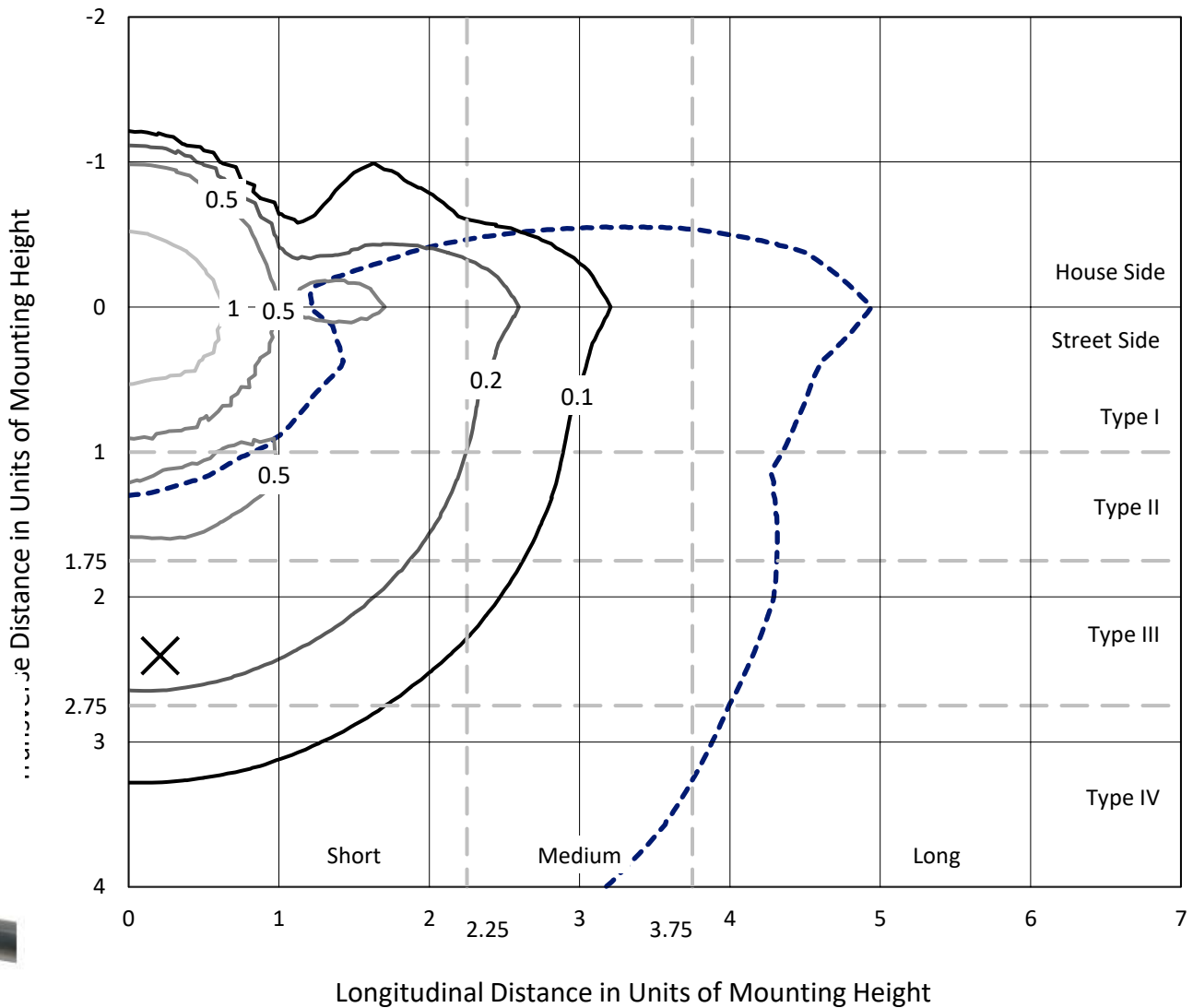


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

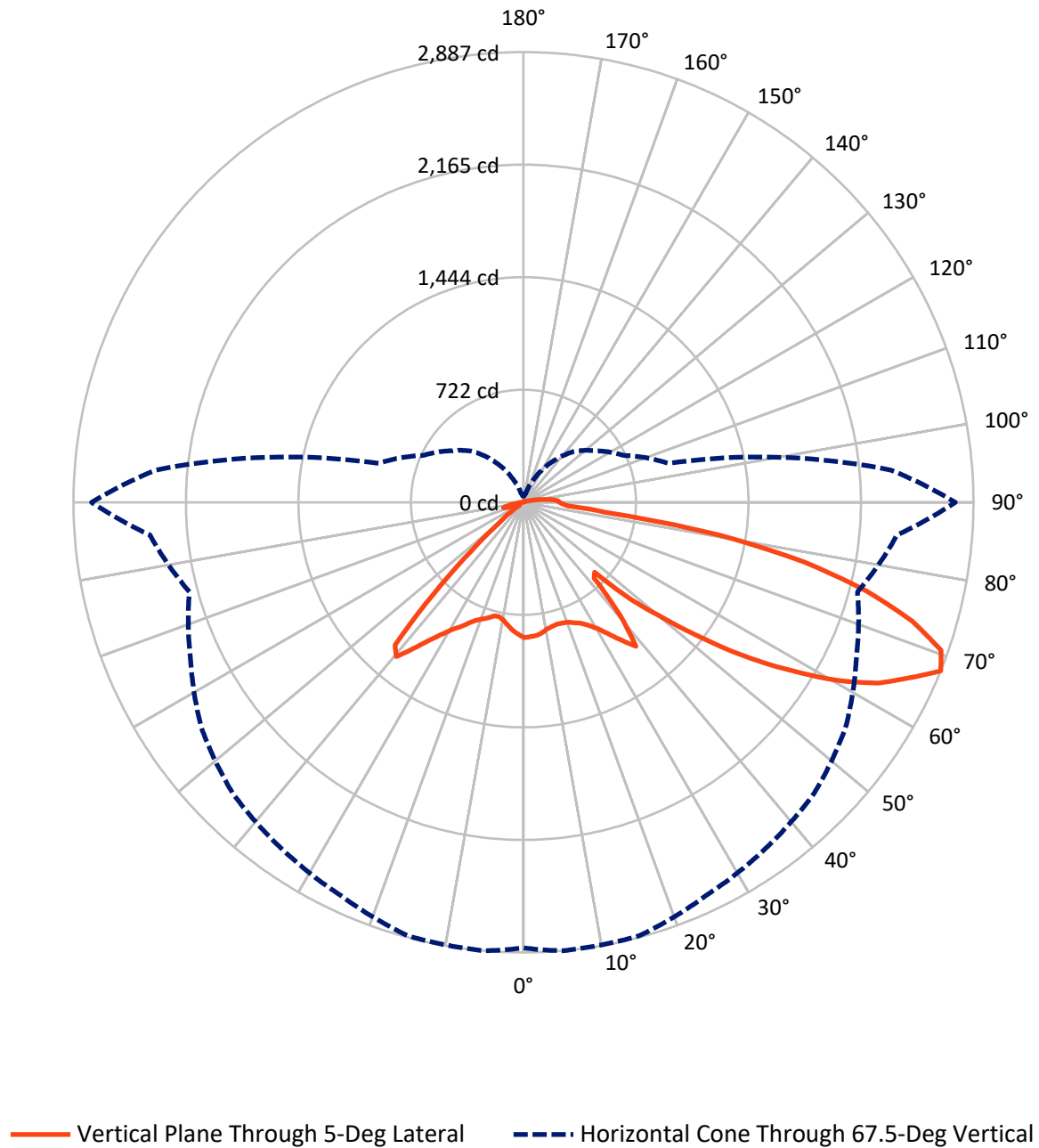


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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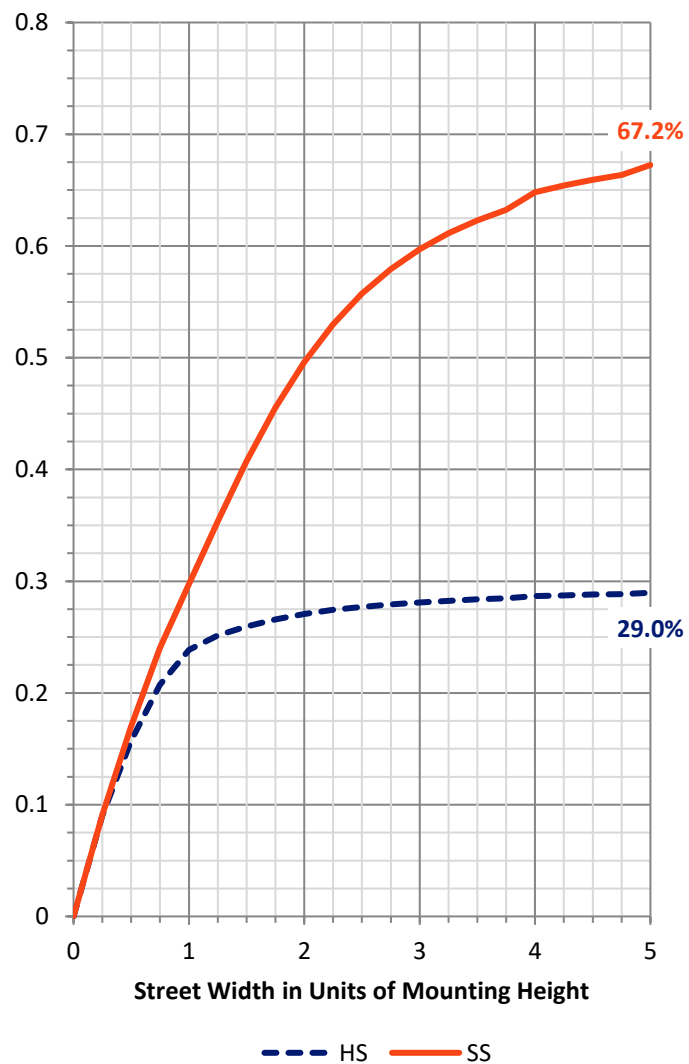
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1829.9	27.5	1857.5
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	4279.0	107.5	4386.6
	% Fixture	68.5	1.7	70.3
Total	Lumens	6109.0	135.0	6244.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	1.3
10°-20°	231.6	3.7
20°-30°	411.6	6.6
30°-40°	688.3	11.0
40°-50°	628.6	10.1
50°-60°	933.0	14.9
60°-70°	1530.6	24.5
70°-80°	1313.6	21.0
80°-90°	291.4	4.7
90°-100°	98.3	1.6
100°-110°	24.2	0.4
110°-120°	7.7	0.1
120°-130°	4.3	0.1
130°-140°	0.4	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6109.0	97.8
0°-180°	6244.0	100.0

Coefficient of Utilization



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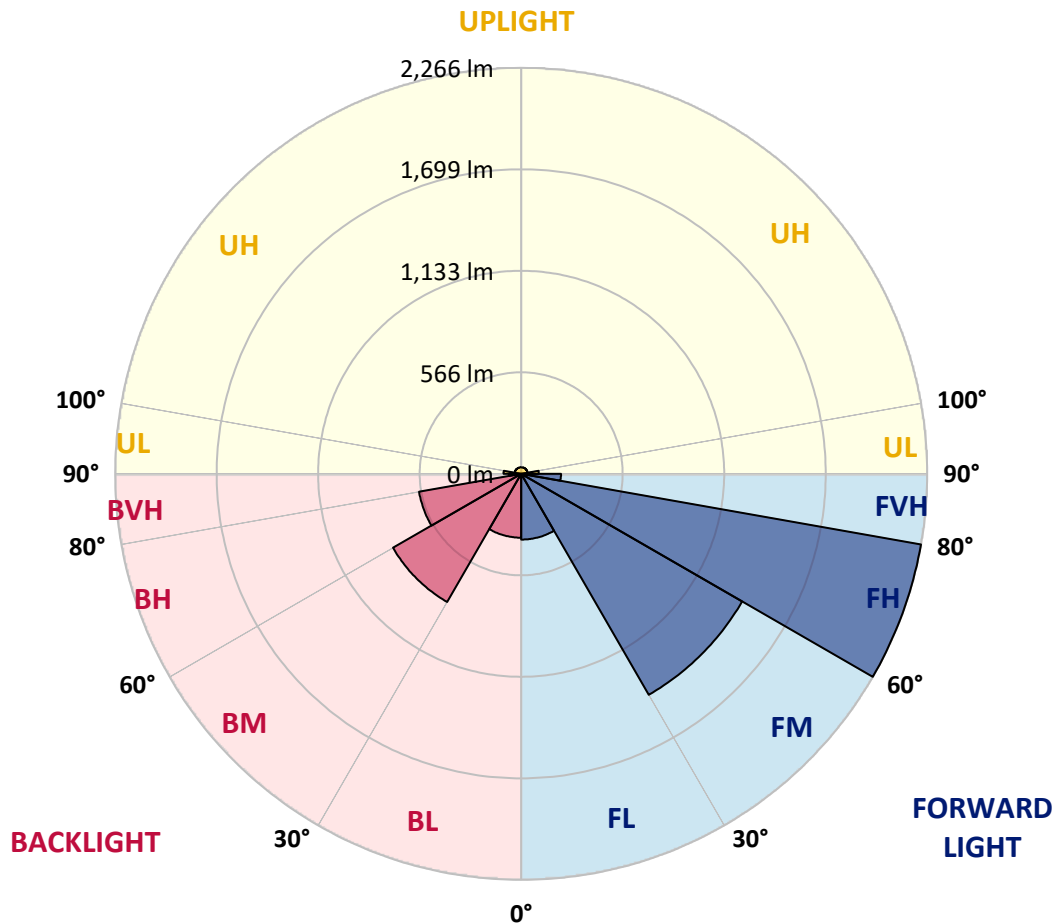
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	367.0	5.9			
FM	(30°-60°)	1424.0	22.8			
FH	(60°-80°)	2265.8	36.3			G2/5000
FVH	(80°-90°)	222.2	3.6			G2/225
BL	(0°-30°)	356.5	5.7	B1/500		
BM	(30°-60°)	825.8	13.2	B1/1000		
BH	(60°-80°)	578.4	9.3	B2/1000		G2/1000
BVH	(80°-90°)	69.2	1.1			G1/100
UL	(90°-100°)	98.3	1.6		U3/500	
UH	(100°-180°)	36.7	0.6		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	868.7	868.7	868.7	868.7	868.7	868.7	868.7	868.7	868.7	868.7	868.7
2.5°	862.3	862.3	862.3	865.5	868.7	865.5	862.3	859.0	855.8	859.0	859.0
5°	859.0	859.0	862.3	862.3	865.5	868.7	865.5	862.3	859.0	859.0	859.0
7.5°	842.9	846.1	846.1	849.4	852.6	859.0	859.0	852.6	852.6	852.6	852.6
10°	826.7	826.7	830.0	833.2	836.4	842.9	842.9	836.4	839.7	842.9	842.9
12.5°	817.1	817.1	820.3	826.7	830.0	833.2	836.4	836.4	839.7	836.4	839.7
15°	810.6	810.6	810.6	820.3	830.0	833.2	839.7	842.9	846.1	846.1	846.1
17.5°	813.8	813.8	813.8	826.7	833.2	842.9	849.4	852.6	852.6	855.8	855.8
20°	820.3	820.3	823.5	833.2	846.1	855.8	862.3	865.5	865.5	872.0	872.0
22.5°	833.2	839.7	836.4	846.1	855.8	868.7	878.4	884.9	884.9	891.3	891.3
25°	862.3	859.0	862.3	872.0	881.7	891.3	897.8	907.5	910.7	917.2	917.2
27.5°	894.6	894.6	894.6	904.3	910.7	920.4	926.9	933.3	939.8	949.5	952.7
30°	943.0	939.8	936.6	946.2	952.7	962.4	968.8	972.1	972.1	978.5	985.0
32.5°	1007.6	1007.6	1007.6	1014.1	1017.3	1027.0	1030.2	1033.4	1030.2	1039.9	1043.1
35°	1088.3	1088.3	1091.6	1098.0	1107.7	1114.2	1117.4	1114.2	1117.4	1123.9	1130.3
37.5°	1169.1	1172.3	1182.0	1191.7	1198.1	1211.1	1220.7	1220.7	1224.0	1243.4	1243.4
40°	946.2	955.9	965.6	988.2	1017.3	1056.0	1120.6	1146.5	1220.7	1259.5	1269.2
42.5°	642.7	665.3	691.1	720.2	742.8	746.0	807.4	842.9	917.2	988.2	1007.6
45°	613.6	639.4	665.3	645.9	662.0	610.4	671.7	678.2	713.7	768.6	913.9
47.5°	901.0	936.6	972.1	923.6	933.3	820.3	842.9	817.1	736.3	826.7	1069.0
50°	1175.5	1172.3	1224.0	1201.4	1227.2	1104.5	1114.2	1062.5	936.6	1062.5	1408.1
52.5°	1440.4	1466.2	1521.1	1514.6	1534.0	1375.8	1346.7	1301.5	1104.5	1298.3	1705.2
55°	1747.2	1766.5	1818.2	1802.1	1792.4	1634.1	1582.4	1537.2	1346.7	1598.6	2021.7
57.5°	2034.6	2044.3	2105.6	2050.7	2018.4	1898.9	1827.9	1753.6	1566.3	1873.1	2241.3
60°	2309.1	2322.0	2357.5	2283.2	2231.6	2137.9	2050.7	1970.0	1795.6	2118.5	2444.7
62.5°	2567.4	2554.5	2570.7	2477.0	2441.5	2357.5	2263.9	2163.8	2012.0	2312.3	2641.7
65°	2716.0	2716.0	2735.4	2615.9	2561.0	2509.3	2406.0	2289.7	2150.8	2406.0	2764.4
67.5°	2858.1	2887.2	2877.5	2780.6	2709.5	2638.5	2522.2	2357.5	2218.7	2406.0	2770.9
70°	2806.4	2841.9	2803.2	2725.7	2654.6	2570.7	2464.1	2302.6	2147.6	2289.7	2622.3
72.5°	2583.6	2609.4	2593.3	2525.5	2438.3	2383.4	2270.3	2147.6	1966.8	2089.5	2380.1
75°	2280.0	2273.6	2302.6	2225.1	2150.8	2099.2	1989.4	1911.9	1743.9	1834.3	2112.1
77.5°	1837.6	1840.8	1902.2	1815.0	1756.8	1721.3	1621.2	1556.6	1404.8	1485.6	1698.7
80°	1233.7	1269.2	1327.3	1233.7	1224.0	1175.5	1091.6	1049.6	933.3	972.1	1085.1
82.5°	513.5	529.6	549.0	519.9	510.3	494.1	458.6	445.7	400.5	419.8	419.8
85°	287.4	284.2	293.9	293.9	287.4	274.5	261.6	239.0	219.6	216.4	200.2
87.5°	242.2	245.4	251.9	251.9	239.0	229.3	213.1	197.0	180.9	171.2	155.0
90°	226.1	229.3	232.5	222.8	209.9	200.2	187.3	174.4	161.5	155.0	138.9
92.5°	216.4	216.4	216.4	203.5	190.5	180.9	171.2	158.2	148.6	142.1	129.2
95°	180.9	177.6	174.4	167.9	155.0	145.3	138.9	126.0	119.5	113.0	106.6
97.5°	135.6	132.4	129.2	126.0	113.0	106.6	103.3	96.9	90.4	80.7	77.5
100°	96.9	93.7	93.7	90.4	84.0	77.5	74.3	67.8	61.4	54.9	51.7
102.5°	64.6	61.4	61.4	58.1	54.9	51.7	45.2	42.0	35.5	32.3	29.1
105°	35.5	35.5	35.5	32.3	32.3	29.1	25.8	22.6	19.4	19.4	16.1
107.5°	25.8	25.8	25.8	25.8	22.6	22.6	19.4	16.1	16.1	12.9	12.9
110°	19.4	19.4	19.4	19.4	19.4	16.1	16.1	12.9	12.9	9.7	9.7

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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.1	16.1	16.1	16.1	16.1	16.1	12.9	12.9	9.7	9.7	9.7
115°	16.1	16.1	16.1	16.1	12.9	12.9	9.7	9.7	9.7	9.7	6.5
117.5°	12.9	12.9	12.9	12.9	12.9	9.7	9.7	9.7	9.7	6.5	9.7
120°	12.9	12.9	12.9	12.9	9.7	9.7	9.7	6.5	6.5	6.5	6.5
122.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	6.5	6.5	6.5	6.5
125°	9.7	9.7	9.7	9.7	9.7	6.5	6.5	6.5	6.5	6.5	6.5
127.5°	9.7	9.7	6.5	9.7	6.5	6.5	6.5	6.5	6.5	3.2	6.5
130°	9.7	9.7	6.5	6.5	6.5	6.5	6.5	6.5	3.2	3.2	3.2
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	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	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	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	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	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	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	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	868.7	868.7	868.7	868.7	868.7	868.7	868.7	868.7	868.7	868.7
2.5°	862.3	862.3	865.5	862.3	862.3	855.8	852.6	849.4	849.4	849.4
5°	859.0	859.0	855.8	849.4	846.1	839.7	833.2	830.0	826.7	830.0
7.5°	852.6	846.1	839.7	826.7	817.1	813.8	800.9	797.7	797.7	797.7
10°	839.7	833.2	817.1	800.9	794.5	784.8	775.1	765.4	768.6	771.8
12.5°	836.4	820.3	807.4	791.2	781.5	765.4	762.2	752.5	749.2	749.2
15°	839.7	826.7	810.6	797.7	784.8	778.3	765.4	762.2	752.5	758.9
17.5°	852.6	833.2	820.3	807.4	794.5	788.0	778.3	771.8	775.1	775.1
20°	865.5	846.1	833.2	823.5	810.6	800.9	797.7	791.2	794.5	788.0
22.5°	884.9	865.5	855.8	842.9	833.2	826.7	820.3	823.5	817.1	820.3
25°	910.7	894.6	881.7	872.0	862.3	855.8	855.8	855.8	852.6	855.8
27.5°	946.2	930.1	920.4	913.9	904.3	897.8	891.3	894.6	897.8	894.6
30°	978.5	959.2	955.9	949.5	943.0	939.8	939.8	939.8	939.8	946.2
32.5°	1030.2	1010.8	1004.4	1004.4	997.9	994.7	991.5	997.9	1001.1	997.9
35°	1110.9	1085.1	1078.6	1075.4	1072.2	1072.2	1075.4	1075.4	1075.4	1075.4
37.5°	1211.1	1175.5	1169.1	1165.8	1165.8	1165.8	1162.6	1165.8	1175.5	1178.8
40°	1256.3	1233.7	1243.4	1259.5	1269.2	1269.2	1266.0	1272.4	1282.1	1282.1
42.5°	1017.3	968.8	1004.4	1069.0	1110.9	1162.6	1172.3	1204.6	1230.4	1230.4
45°	826.7	626.5	639.4	681.4	700.8	746.0	771.8	800.9	817.1	794.5
47.5°	930.1	403.7	332.6	345.6	297.1	358.5	400.5	445.7	455.4	465.0
50°	1459.7	416.6	281.0	203.5	135.6	180.9	190.5	216.4	209.9	213.1
52.5°	1773.0	478.0	281.0	180.9	113.0	119.5	109.8	122.7	129.2	142.1
55°	1989.4	574.8	364.9	229.3	132.4	80.7	54.9	42.0	38.8	38.8
57.5°	2092.7	704.0	474.7	326.2	206.7	113.0	48.4	35.5	32.3	29.1
60°	2189.6	842.9	600.7	445.7	326.2	200.2	90.4	35.5	29.1	29.1
62.5°	2276.8	981.8	726.6	578.1	458.6	313.3	167.9	61.4	32.3	32.3
65°	2347.8	1010.8	736.3	626.5	494.1	368.2	219.6	74.3	35.5	35.5
67.5°	2367.2	962.4	710.5	574.8	461.8	313.3	171.2	61.4	42.0	38.8
70°	2238.0	913.9	713.7	545.8	416.6	277.7	113.0	71.0	54.9	51.7
72.5°	2024.9	846.1	678.2	529.6	400.5	281.0	132.4	116.3	103.3	96.9
75°	1782.7	765.4	626.5	507.0	387.5	271.3	155.0	145.3	132.4	129.2
77.5°	1430.7	636.2	526.4	429.5	326.2	216.4	129.2	122.7	106.6	106.6
80°	939.8	474.7	397.2	329.4	248.7	151.8	96.9	87.2	77.5	74.3
82.5°	384.3	277.7	239.0	206.7	161.5	96.9	64.6	54.9	45.2	42.0
85°	187.3	138.9	119.5	96.9	80.7	54.9	42.0	35.5	25.8	25.8
87.5°	151.8	109.8	90.4	74.3	54.9	38.8	29.1	22.6	16.1	12.9
90°	138.9	96.9	77.5	61.4	45.2	32.3	19.4	16.1	9.7	6.5
92.5°	126.0	84.0	67.8	48.4	35.5	25.8	12.9	9.7	6.5	6.5
95°	103.3	64.6	51.7	38.8	29.1	19.4	12.9	6.5	3.2	3.2
97.5°	74.3	48.4	38.8	29.1	22.6	12.9	9.7	6.5	3.2	3.2
100°	51.7	32.3	29.1	22.6	16.1	9.7	6.5	3.2	3.2	3.2
102.5°	25.8	19.4	19.4	16.1	12.9	9.7	3.2	3.2	0.0	0.0
105°	16.1	12.9	12.9	9.7	6.5	6.5	3.2	3.2	0.0	0.0
107.5°	9.7	9.7	9.7	6.5	6.5	3.2	3.2	0.0	0.0	0.0
110°	9.7	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.5	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0
115°	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
117.5°	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
120°	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
122.5°	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
125°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.2	3.2	3.2	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
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°	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
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	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°	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
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	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)