

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: P690928

Luminaire Tested: **CRTK2-C01-D-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7804 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - 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

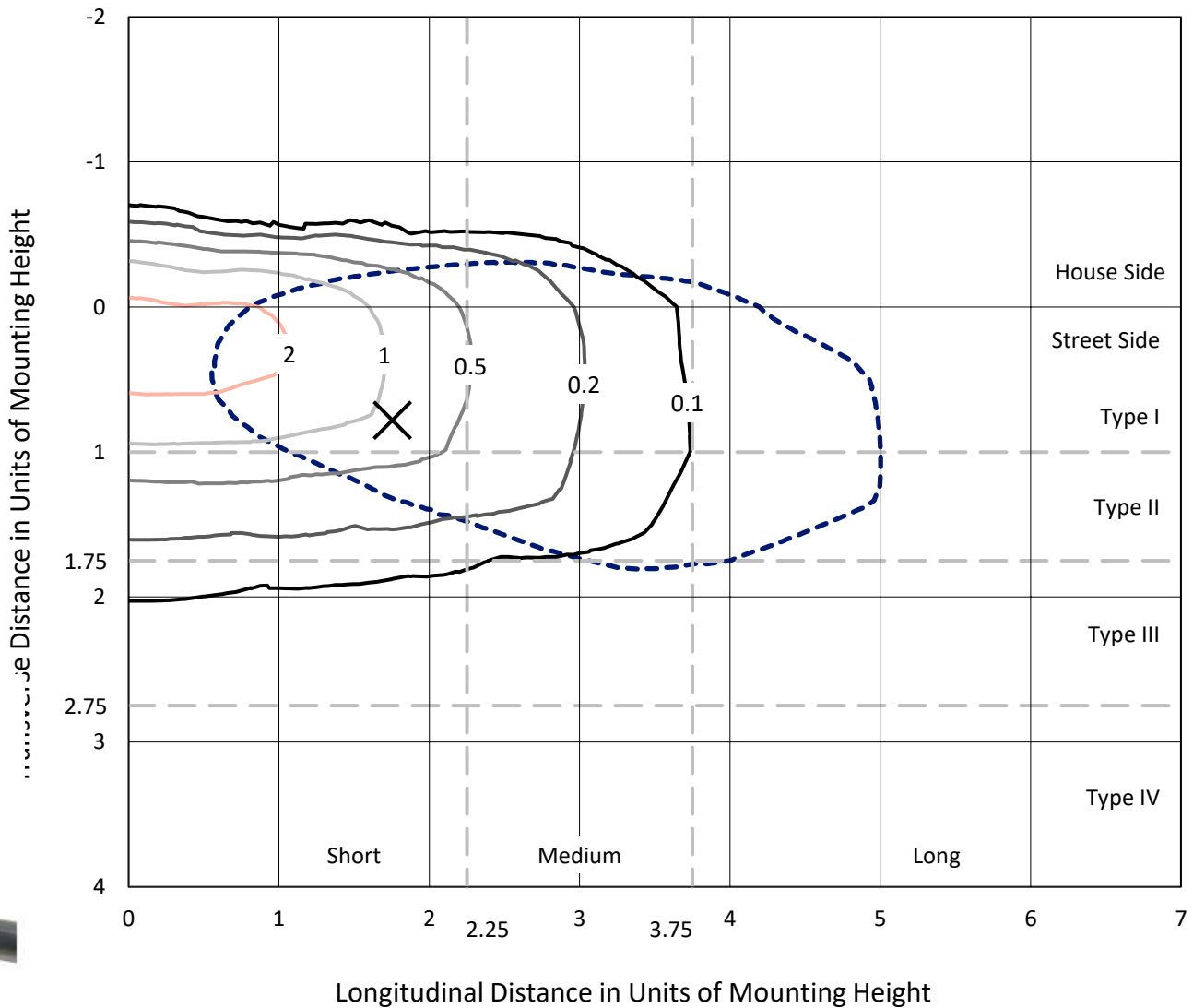


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

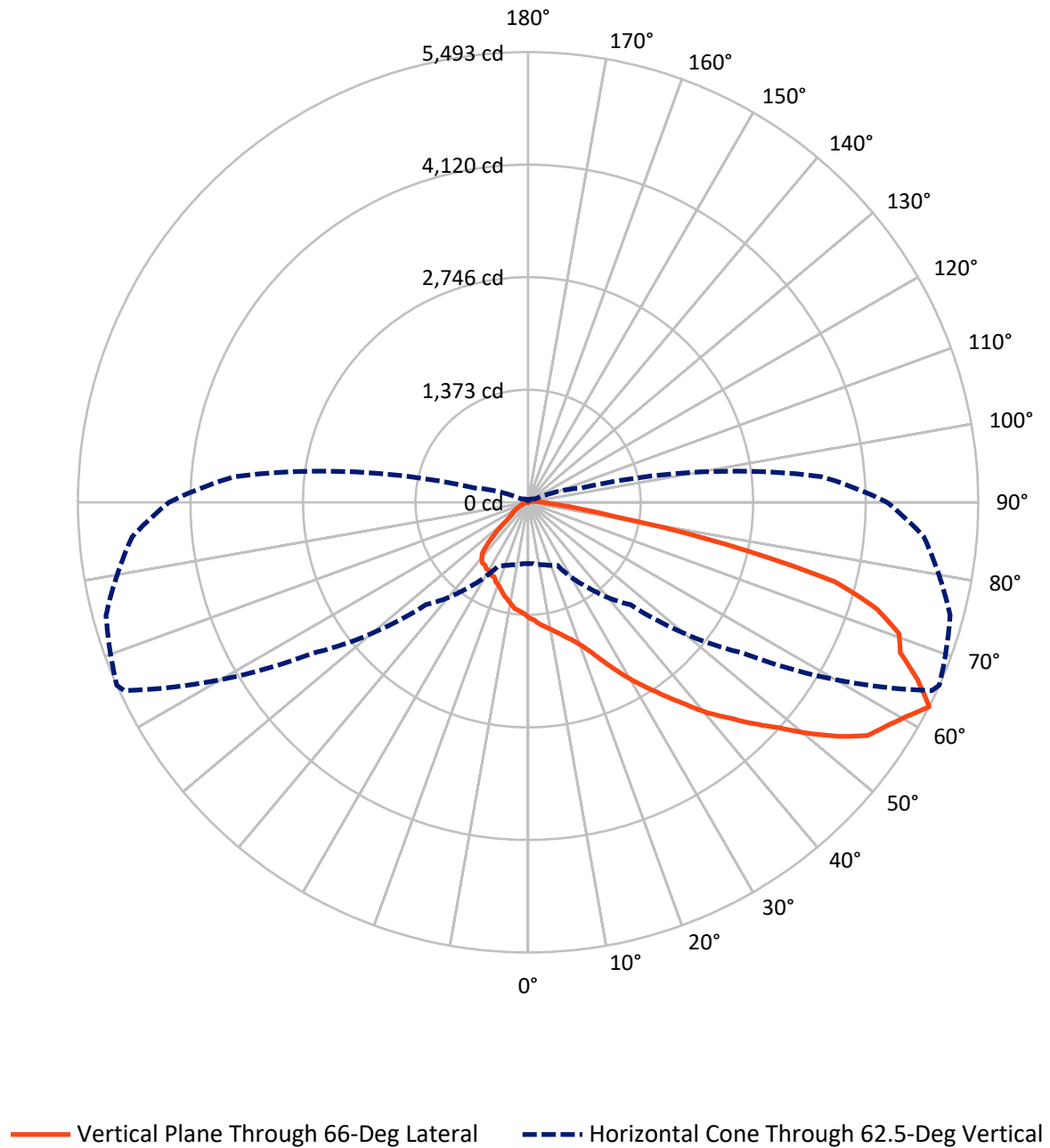


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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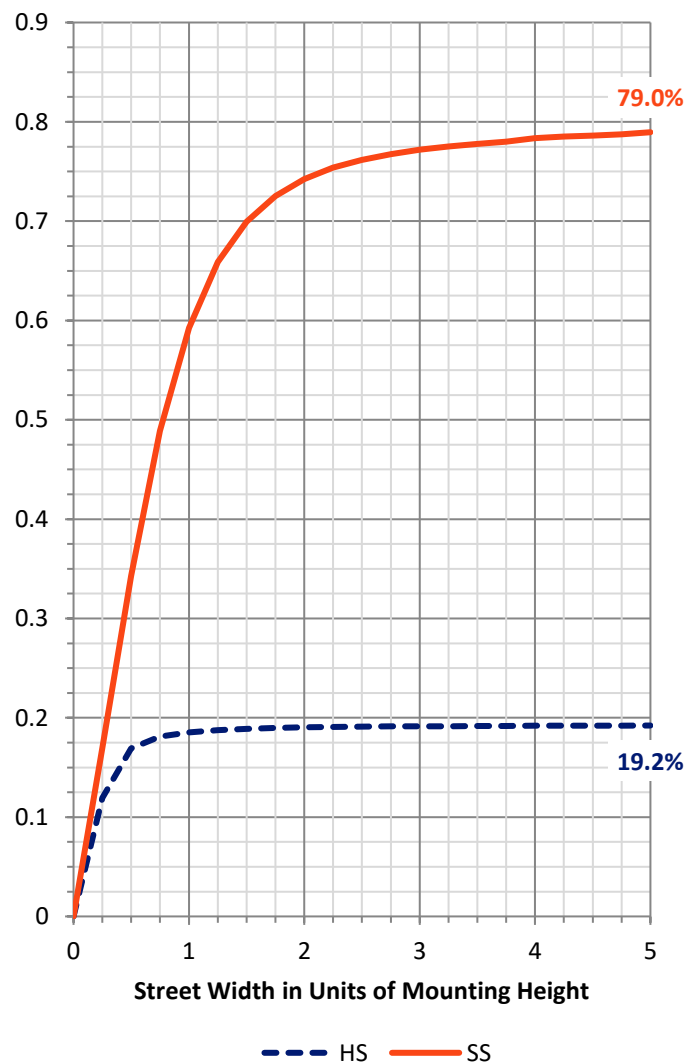
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1521.5	21.5	1543.0
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	6201.5	59.5	6261.0
	% Fixture	79.5	0.8	80.2
Total	Lumens	7723.0	81.0	7804.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.9	1.7
10°-20°	392.7	5.0
20°-30°	660.7	8.5
30°-40°	982.6	12.6
40°-50°	1300.0	16.7
50°-60°	1513.7	19.4
60°-70°	1511.1	19.4
70°-80°	1014.1	13.0
80°-90°	214.3	2.7
90°-100°	65.2	0.8
100°-110°	11.4	0.1
110°-120°	0.8	0.0
120°-130°	1.0	0.0
130°-140°	0.9	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	7723.0	99.0
0°-180°	7804.0	100.0

Coefficient of Utilization



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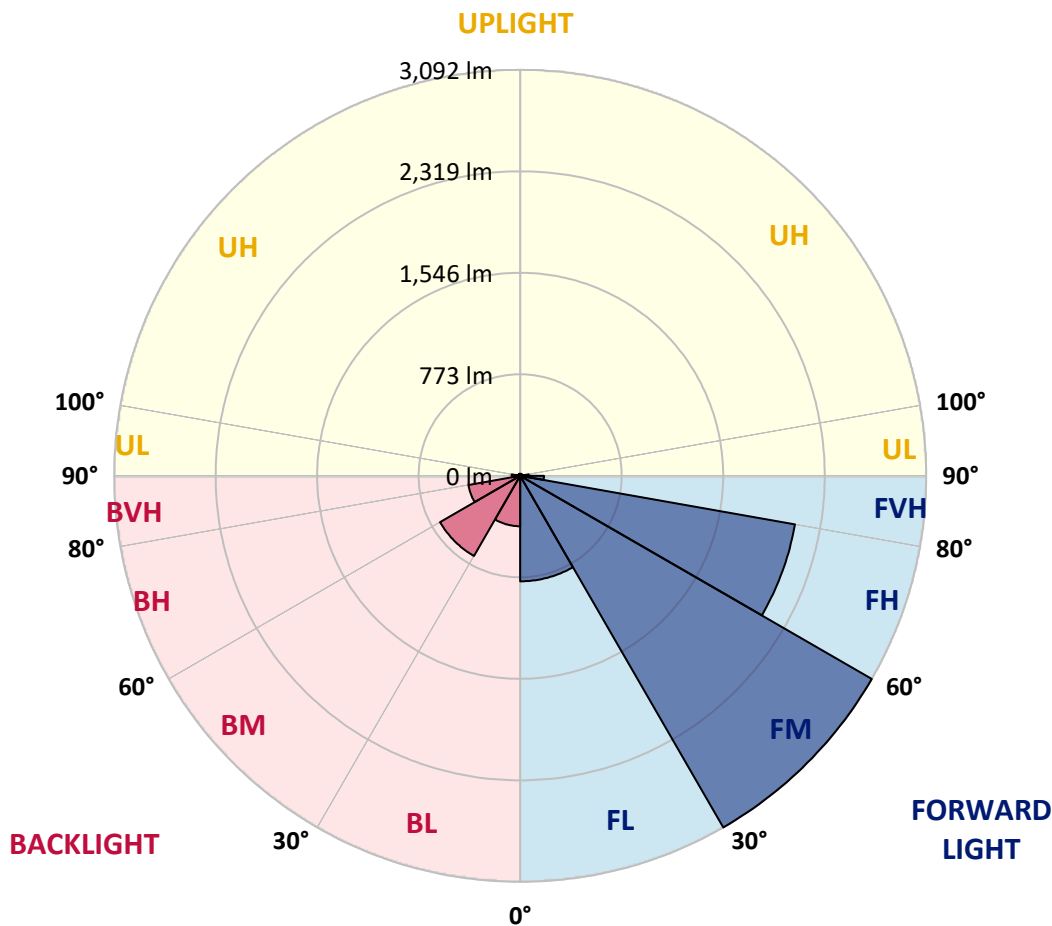
CATALOG NUMBER: CRTK2-C01-D-U-T2-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	803.4	10.3			
FM	(30°-60°)	3091.7	39.6			
FH	(60°-80°)	2125.1	27.2			G2/5000
FVH	(80°-90°)	181.3	2.3			G2/225
BL	(0°-30°)	383.9	4.9	B1/500		
BM	(30°-60°)	704.5	9.0	B1/1000		
BH	(60°-80°)	400.1	5.1	B1/500		G1/500
BVH	(80°-90°)	33.0	0.4			G1/100
UL	(90°-100°)	65.2	0.8		U3/500	
UH	(100°-180°)	15.7	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9
2.5°	1505.1	1496.4	1499.3	1484.9	1470.5	1461.8	1453.2	1438.8	1438.8	1427.2	1412.8
5°	1611.8	1614.7	1611.8	1594.5	1577.2	1551.2	1519.5	1493.6	1493.6	1467.6	1433.0
7.5°	1683.9	1681.0	1681.0	1660.8	1649.3	1634.8	1597.4	1539.7	1536.8	1502.2	1459.0
10°	1712.7	1715.6	1727.1	1698.3	1686.7	1666.6	1646.4	1588.7	1582.9	1525.3	1456.1
12.5°	1776.1	1779.0	1773.2	1750.2	1735.8	1721.3	1689.6	1640.6	1634.8	1571.4	1476.3
15°	1851.1	1851.1	1842.4	1819.4	1810.7	1790.5	1753.1	1706.9	1701.2	1629.1	1513.7
17.5°	1891.5	1897.2	1897.2	1865.5	1868.4	1859.7	1839.6	1779.0	1770.4	1704.0	1565.6
20°	1911.6	1914.5	1920.3	1920.3	1917.4	1914.5	1926.1	1871.3	1865.5	1787.7	1626.2
22.5°	1969.3	1975.1	1989.5	1980.8	1989.5	2001.0	2003.9	2001.0	1992.4	1908.8	1727.1
25°	1995.3	2012.6	2032.7	2058.7	2084.6	2101.9	2142.3	2162.5	2156.7	2076.0	1885.7
27.5°	1966.4	1983.7	2055.8	2104.8	2185.6	2234.6	2309.5	2341.3	2338.4	2272.1	2050.0
30°	2015.4	2021.2	2052.9	2122.1	2225.9	2361.4	2465.2	2514.3	2525.8	2465.2	2223.0
32.5°	1943.4	1963.5	2052.9	2182.7	2338.4	2482.5	2583.5	2693.0	2707.4	2681.5	2450.8
35°	1937.6	1952.0	2001.0	2142.3	2341.3	2609.4	2747.8	2897.7	2909.3	2917.9	2681.5
37.5°	1856.9	1877.0	1975.1	2153.8	2427.8	2693.0	2886.2	3102.5	3131.3	3165.9	2874.7
40°	1767.5	1781.9	1865.5	2055.8	2407.6	2791.1	3018.8	3350.4	3379.3	3422.5	3131.3
42.5°	1634.8	1666.6	1807.8	2012.6	2396.0	2819.9	3151.5	3569.6	3595.5	3656.1	3347.5
45°	1516.6	1531.0	1640.6	1865.5	2303.8	2871.8	3263.9	3826.2	3852.1	3880.9	3517.7
47.5°	1424.4	1441.7	1545.5	1747.3	2211.5	2860.3	3367.7	4079.9	4108.7	4175.0	3728.1
50°	1130.3	1173.5	1435.9	1632.0	2058.7	2837.2	3457.1	4362.5	4428.8	4454.7	3947.3
52.5°	971.7	986.1	1121.6	1528.2	1908.8	2753.6	3535.0	4671.0	4745.9	4696.9	4241.4
55°	905.4	914.0	980.3	1323.4	1773.2	2583.5	3598.4	4968.0	5022.7	4867.0	4457.6
57.5°	856.3	870.8	899.6	1072.6	1614.7	2298.0	3601.3	5132.3	5152.5	5008.3	4561.4
60°	792.9	798.7	859.2	934.2	1435.9	2001.0	3503.2	5215.9	5305.3	5172.7	4771.9
62.5°	746.8	752.5	790.0	850.6	1265.8	1767.5	3214.9	5437.9	5492.7	5331.3	4849.7
65°	689.1	697.8	729.5	790.0	1147.6	1626.2	3070.7	5380.3	5221.7	5293.8	4939.1
67.5°	628.6	634.3	668.9	715.1	977.4	1490.7	2713.2	5014.1	4898.8	5106.4	4699.8
70°	565.1	570.9	602.6	634.3	804.4	1323.4	2260.5	4702.7	4800.7	4812.3	4474.9
72.5°	498.8	504.6	533.4	559.4	666.0	1113.0	1796.3	4391.3	4451.8	4276.0	3953.0
75°	432.5	435.4	458.4	484.4	553.6	896.7	1286.0	3641.6	3872.3	4085.7	3411.0
77.5°	348.9	354.6	377.7	386.4	444.0	723.7	833.3	2165.4	2468.1	3575.3	3062.1
80°	256.6	259.5	282.6	279.7	331.6	527.6	524.8	1029.3	1107.2	2208.6	2249.0
82.5°	170.1	175.9	196.1	190.3	224.9	320.0	328.7	553.6	591.1	856.3	986.1
85°	135.5	138.4	149.9	138.4	149.9	161.5	181.6	334.5	340.2	507.5	504.6
87.5°	109.6	112.4	124.0	115.3	118.2	124.0	144.2	213.4	219.1	320.0	331.6
90°	86.5	89.4	103.8	95.1	95.1	103.8	121.1	158.6	167.2	250.8	271.0
92.5°	57.7	57.7	66.3	63.4	63.4	75.0	106.7	118.2	126.9	233.5	245.1
95°	43.2	43.2	46.1	46.1	46.1	54.8	80.7	112.4	124.0	227.8	222.0
97.5°	28.8	28.8	31.7	31.7	31.7	34.6	46.1	92.3	103.8	184.5	181.6
100°	20.2	20.2	20.2	17.3	17.3	17.3	25.9	60.5	69.2	118.2	118.2
102.5°	14.4	11.5	11.5	11.5	8.6	8.6	11.5	28.8	31.7	63.4	60.5
105°	2.9	2.9	5.8	5.8	5.8	2.9	2.9	11.5	11.5	25.9	25.9
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9	1409.9
2.5°	1404.2	1395.5	1375.3	1358.0	1343.6	1329.2	1306.1	1297.5	1291.7	1300.4	1300.4
5°	1412.8	1389.8	1355.2	1326.3	1300.4	1268.7	1234.1	1213.9	1196.6	1205.2	1205.2
7.5°	1427.2	1395.5	1352.3	1303.3	1236.9	1182.2	1138.9	1113.0	1098.5	1107.2	1113.0
10°	1418.6	1384.0	1326.3	1251.4	1173.5	1115.8	1061.1	1020.7	1006.3	1000.5	1006.3
12.5°	1427.2	1386.9	1288.8	1199.5	1124.5	1032.2	965.9	922.7	905.4	905.4	905.4
15°	1456.1	1395.5	1265.8	1162.0	1046.6	957.3	888.1	841.9	836.2	816.0	816.0
17.5°	1496.4	1404.2	1257.1	1104.3	977.4	885.2	804.4	758.3	743.9	746.8	746.8
20°	1536.8	1421.5	1239.8	1055.3	914.0	804.4	720.8	677.6	643.0	631.4	637.2
22.5°	1606.0	1470.5	1225.4	1029.3	841.9	738.1	645.9	573.8	516.1	498.8	490.2
25°	1706.9	1548.3	1245.6	968.8	798.7	663.2	553.6	452.7	383.5	366.2	363.3
27.5°	1891.5	1669.4	1268.7	968.8	729.5	596.8	441.1	334.5	279.7	262.4	268.1
30°	2064.5	1833.8	1335.0	916.9	700.6	478.6	328.7	250.8	201.8	181.6	187.4
32.5°	2208.6	1989.5	1427.2	905.4	617.0	354.6	239.3	175.9	141.3	129.7	132.6
35°	2416.2	2122.1	1499.3	865.0	507.5	259.5	167.2	124.0	109.6	103.8	103.8
37.5°	2615.2	2283.6	1571.4	856.3	374.8	190.3	112.4	100.9	98.0	89.4	89.4
40°	2805.5	2447.9	1603.1	807.3	265.3	124.0	95.1	92.3	89.4	80.7	80.7
42.5°	3039.0	2606.5	1632.0	743.9	184.5	92.3	83.6	86.5	83.6	75.0	72.1
45°	3217.8	2713.2	1640.6	582.4	118.2	86.5	77.8	80.7	77.8	69.2	69.2
47.5°	3367.7	2857.4	1606.0	397.9	98.0	80.7	72.1	75.0	72.1	66.3	63.4
50°	3520.5	2990.0	1574.3	213.4	92.3	77.8	69.2	63.4	66.3	60.5	57.7
52.5°	3728.1	3088.0	1490.7	129.7	86.5	72.1	63.4	57.7	57.7	51.9	54.8
55°	4013.6	3330.2	1335.0	121.1	83.6	69.2	60.5	51.9	51.9	46.1	46.1
57.5°	4140.4	3425.4	1084.1	109.6	80.7	69.2	54.8	46.1	40.4	37.5	34.6
60°	4296.1	3566.7	853.5	100.9	75.0	66.3	49.0	40.4	31.7	28.8	28.8
62.5°	4382.6	3595.5	666.0	92.3	72.1	57.7	43.2	31.7	25.9	20.2	20.2
65°	4425.9	3575.3	444.0	83.6	66.3	54.8	37.5	25.9	17.3	14.4	14.4
67.5°	4261.5	3468.6	256.6	77.8	63.4	49.0	31.7	20.2	14.4	11.5	8.6
70°	3981.9	3157.2	161.5	69.2	60.5	43.2	28.8	17.3	11.5	8.6	5.8
72.5°	3653.2	2577.7	118.2	63.4	57.7	37.5	23.1	14.4	8.6	5.8	5.8
75°	3336.0	2246.1	100.9	54.8	49.0	31.7	20.2	11.5	8.6	5.8	2.9
77.5°	2387.4	1531.0	89.4	49.0	43.2	25.9	14.4	11.5	5.8	2.9	2.9
80°	1695.4	899.6	80.7	40.4	34.6	20.2	14.4	8.6	5.8	2.9	2.9
82.5°	813.1	467.1	77.8	34.6	25.9	17.3	11.5	8.6	5.8	2.9	2.9
85°	369.1	198.9	57.7	31.7	23.1	17.3	11.5	8.6	5.8	5.8	2.9
87.5°	224.9	103.8	46.1	25.9	17.3	14.4	8.6	5.8	5.8	5.8	5.8
90°	210.5	135.5	34.6	20.2	14.4	11.5	8.6	2.9	0.0	0.0	0.0
92.5°	201.8	155.7	25.9	14.4	8.6	8.6	2.9	0.0	0.0	0.0	0.0
95°	190.3	147.0	28.8	8.6	14.4	5.8	2.9	0.0	0.0	0.0	0.0
97.5°	149.9	115.3	31.7	8.6	72.1	5.8	2.9	0.0	0.0	0.0	0.0
100°	95.1	72.1	23.1	8.6	86.5	5.8	0.0	0.0	0.0	0.0	0.0
102.5°	54.8	40.4	11.5	8.6	25.9	2.9	0.0	0.0	0.0	0.0	0.0
105°	23.1	20.2	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
107.5°	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C01-D-U-T2-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
120°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	5.8	2.9	2.9	2.9	0.0	0.0	0.0	0.0
135°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
170°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.9	2.9	2.9	2.9	2.9	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

(END OF REPORT)