

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: P690913

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-8027-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690913
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-C01-5TLD-U-T5R-8027-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 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: 5176 lumens
Efficiency: N/A
Efficacy: 86.3 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): 60
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



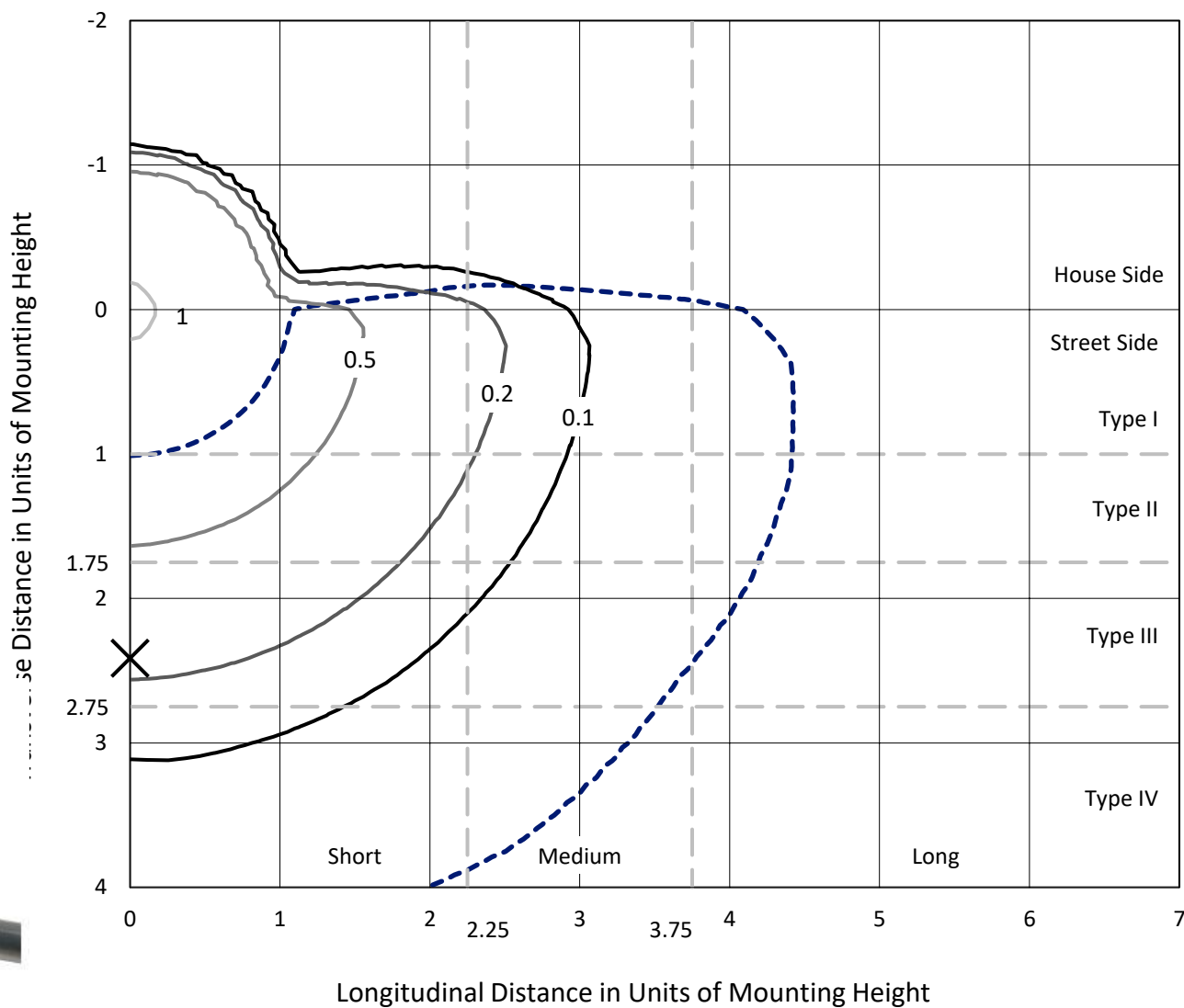
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

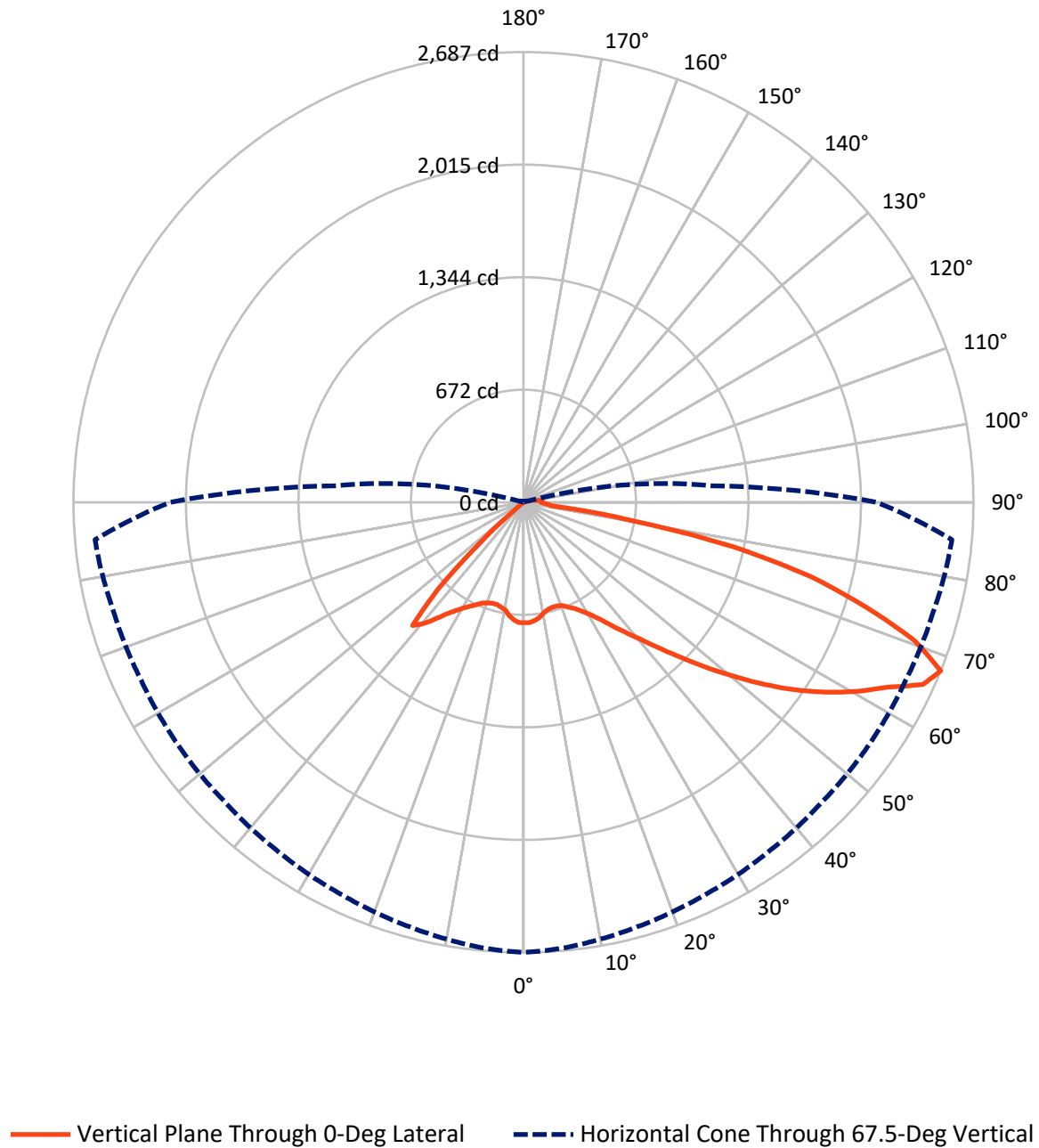


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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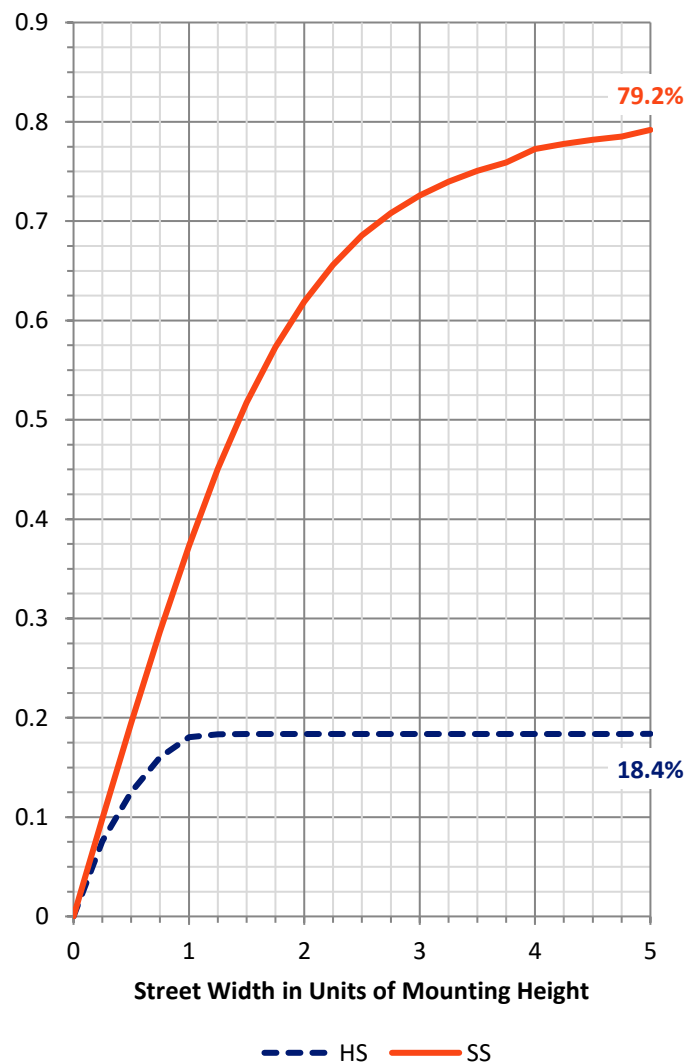
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	957.3	3.8	961.1
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	4142.9	71.9	4214.8
	% Fixture	80.0	1.4	81.4
Total	Lumens	5100.2	75.7	5176.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.3
10°-20°	178.8	3.5
20°-30°	315.0	6.1
30°-40°	538.4	10.4
40°-50°	739.9	14.3
50°-60°	914.4	17.7
60°-70°	1277.9	24.7
70°-80°	933.5	18.0
80°-90°	137.1	2.6
90°-100°	60.4	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°	5100.2	98.5
0°-180°	5176.0	100.0

Coefficient of Utilization



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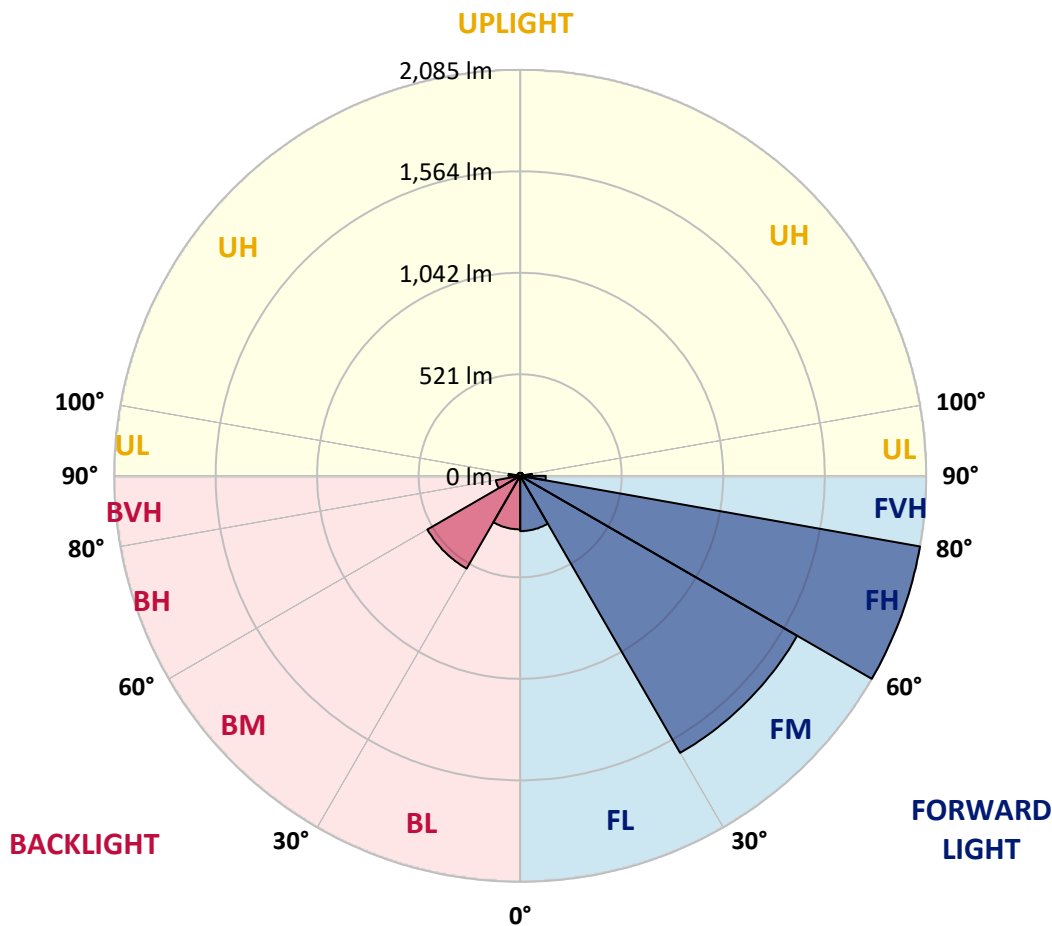
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	283.9	5.5			
FM	(30°-60°)	1642.6	31.7			
FH	(60°-80°)	2084.7	40.3			G2/5000
FVH	(80°-90°)	131.7	2.5			G2/225
BL	(0°-30°)	275.2	5.3	B1/500		
BM	(30°-60°)	550.1	10.6	B1/1000		
BH	(60°-80°)	126.7	2.4	B1/500		G1/500
BVH	(80°-90°)	5.3	0.1			G0/10
UL	(90°-100°)	60.4	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°	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6
2.5°	718.6	718.6	718.6	718.6	721.1	718.6	716.0	711.0	711.0	711.0	711.0
5°	708.5	708.5	711.0	711.0	708.5	705.9	700.9	700.9	698.3	698.3	698.3
7.5°	693.3	693.3	693.3	695.8	690.7	683.2	680.6	678.1	675.6	673.0	670.5
10°	670.5	670.5	670.5	668.0	662.9	655.3	650.3	645.2	645.2	642.7	640.1
12.5°	655.3	655.3	655.3	652.8	645.2	640.1	632.6	627.5	625.0	625.0	622.4
15°	650.3	650.3	650.3	647.7	640.1	635.1	627.5	622.4	617.4	614.8	612.3
17.5°	650.3	650.3	650.3	645.2	642.7	635.1	627.5	622.4	619.9	617.4	614.8
20°	657.9	660.4	657.9	655.3	647.7	642.7	635.1	627.5	625.0	625.0	622.4
22.5°	678.1	675.6	675.6	673.0	665.4	657.9	652.8	647.7	642.7	642.7	640.1
25°	700.9	703.4	703.4	698.3	693.3	685.7	678.1	670.5	668.0	665.4	662.9
27.5°	733.8	733.8	736.3	731.2	723.6	718.6	711.0	705.9	700.9	695.8	693.3
30°	774.2	776.8	776.8	771.7	764.1	754.0	748.9	741.3	733.8	733.8	726.2
32.5°	827.4	832.4	829.9	824.8	817.3	807.1	802.1	794.5	789.4	781.8	776.8
35°	900.8	903.3	900.8	895.7	883.0	872.9	867.9	862.8	857.7	847.6	837.5
37.5°	981.7	984.2	986.8	981.7	966.5	951.4	946.3	938.7	936.2	923.5	918.5
40°	1075.3	1080.4	1077.9	1070.3	1057.6	1042.4	1039.9	1032.3	1024.7	1017.1	1004.5
42.5°	1189.2	1189.2	1186.7	1181.6	1171.5	1153.8	1148.7	1141.1	1136.1	1120.9	1100.6
45°	1320.8	1323.3	1315.7	1308.1	1305.6	1290.4	1277.8	1270.2	1255.0	1237.3	1214.5
47.5°	1475.1	1472.6	1462.5	1454.9	1452.3	1439.7	1429.6	1414.4	1394.1	1373.9	1330.9
50°	1634.5	1634.5	1616.8	1609.2	1614.3	1596.6	1583.9	1566.2	1546.0	1525.7	1462.5
52.5°	1806.6	1799.0	1781.3	1783.8	1776.2	1758.5	1743.3	1730.7	1710.4	1692.7	1591.5
55°	1978.6	1968.5	1940.7	1943.2	1930.5	1910.3	1900.2	1885.0	1879.9	1859.7	1715.5
57.5°	2138.0	2125.4	2095.0	2092.5	2082.4	2059.6	2054.5	2036.8	2024.2	2014.0	1809.1
60°	2292.4	2279.7	2251.9	2241.8	2221.5	2198.7	2201.3	2191.2	2183.6	2173.4	1912.8
62.5°	2431.5	2416.3	2391.0	2370.8	2343.0	2322.7	2325.3	2320.2	2325.3	2322.7	2001.4
65°	2621.3	2606.1	2568.2	2532.7	2492.3	2461.9	2459.4	2466.9	2520.1	2525.1	2138.0
67.5°	2687.1	2671.9	2623.8	2580.8	2547.9	2525.1	2520.1	2517.6	2532.7	2568.2	2110.2
70°	2479.6	2469.5	2423.9	2393.6	2360.7	2345.5	2330.3	2337.9	2353.1	2350.6	1935.6
72.5°	2140.6	2196.2	2138.0	2110.2	2102.6	2062.1	2072.2	2064.6	2074.8	2072.2	1720.5
75°	1771.1	1756.0	1743.3	1791.4	1756.0	1725.6	1743.3	1761.0	1778.7	1758.5	1508.0
77.5°	1287.9	1298.0	1292.9	1310.6	1343.5	1328.4	1318.2	1361.2	1368.8	1300.5	1171.5
80°	647.7	688.2	700.9	731.2	748.9	716.0	688.2	748.9	738.8	660.4	594.6
82.5°	169.5	172.1	197.4	232.8	237.8	232.8	237.8	232.8	202.4	129.0	108.8
85°	141.7	141.7	174.6	212.5	220.1	210.0	210.0	197.4	156.9	81.0	65.8
87.5°	116.4	121.4	156.9	192.3	197.4	187.2	184.7	169.5	136.6	70.8	55.7
90°	103.7	108.8	141.7	172.1	174.6	164.5	161.9	151.8	124.0	70.8	55.7
92.5°	113.9	116.4	139.2	156.9	156.9	149.3	146.8	139.2	121.4	88.6	68.3
95°	101.2	103.7	113.9	121.4	118.9	111.3	116.4	108.8	101.2	83.5	63.3
97.5°	83.5	86.0	88.6	88.6	86.0	81.0	86.0	83.5	78.4	68.3	50.6
100°	63.3	63.3	63.3	65.8	63.3	60.7	63.3	58.2	55.7	48.1	35.4
102.5°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	38.0	35.4	30.4	20.2
105°	25.3	25.3	22.8	25.3	25.3	22.8	22.8	20.2	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-C01-5TLD-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°	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6	718.6
2.5°	711.0	711.0	711.0	711.0	711.0	711.0	713.5	716.0	718.6	718.6
5°	698.3	698.3	698.3	695.8	698.3	700.9	703.4	703.4	705.9	705.9
7.5°	673.0	670.5	670.5	670.5	673.0	678.1	678.1	680.6	683.2	683.2
10°	640.1	640.1	640.1	640.1	642.7	647.7	647.7	652.8	652.8	652.8
12.5°	622.4	622.4	619.9	617.4	622.4	622.4	630.0	632.6	635.1	640.1
15°	612.3	609.8	612.3	612.3	614.8	617.4	619.9	625.0	627.5	630.0
17.5°	612.3	612.3	612.3	614.8	617.4	617.4	619.9	625.0	627.5	630.0
20°	622.4	622.4	619.9	619.9	622.4	622.4	627.5	632.6	635.1	637.6
22.5°	637.6	635.1	635.1	632.6	635.1	637.6	642.7	647.7	647.7	647.7
25°	657.9	655.3	655.3	655.3	660.4	660.4	665.4	670.5	670.5	670.5
27.5°	690.7	685.7	683.2	683.2	683.2	685.7	690.7	693.3	695.8	695.8
30°	718.6	713.5	711.0	708.5	711.0	713.5	718.6	723.6	723.6	723.6
32.5°	769.2	756.5	748.9	751.5	751.5	754.0	759.1	759.1	761.6	761.6
35°	827.4	814.7	802.1	804.6	804.6	807.1	807.1	807.1	812.2	807.1
37.5°	900.8	880.5	870.4	872.9	867.9	867.9	867.9	867.9	865.3	870.4
40°	979.2	948.8	938.7	941.2	938.7	936.2	936.2	938.7	936.2	938.7
42.5°	966.5	840.0	870.4	905.8	931.1	948.8	969.1	979.2	979.2	989.3
45°	845.1	498.5	533.9	581.9	622.4	665.4	685.7	700.9	711.0	731.2
47.5°	733.8	179.6	204.9	237.8	280.9	280.9	316.3	331.5	336.5	354.2
50°	713.5	27.8	22.8	25.3	27.8	30.4	32.9	40.5	40.5	50.6
52.5°	776.8	25.3	15.2	10.1	10.1	7.6	5.1	5.1	5.1	7.6
55°	847.6	27.8	15.2	10.1	7.6	7.6	2.5	2.5	2.5	2.5
57.5°	908.3	25.3	12.7	10.1	7.6	5.1	0.0	0.0	0.0	0.0
60°	974.1	27.8	15.2	10.1	7.6	5.1	0.0	0.0	0.0	0.0
62.5°	1032.3	27.8	15.2	10.1	7.6	2.5	0.0	0.0	0.0	0.0
65°	1115.8	30.4	15.2	10.1	5.1	0.0	0.0	0.0	0.0	0.0
67.5°	1131.0	30.4	15.2	7.6	2.5	0.0	0.0	0.0	0.0	0.0
70°	1009.6	25.3	10.1	5.1	2.5	0.0	0.0	0.0	0.0	0.0
72.5°	867.9	15.2	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0
75°	698.3	12.7	5.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	468.1	10.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	210.0	7.6	2.5	2.5	0.0	0.0	2.5	2.5	0.0	0.0
82.5°	45.5	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°	27.8	2.5	2.5	2.5	0.0	0.0	0.0	2.5	0.0	0.0
90°	27.8	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-C01-5TLD-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)