

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: P691837

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5873 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 74.9
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

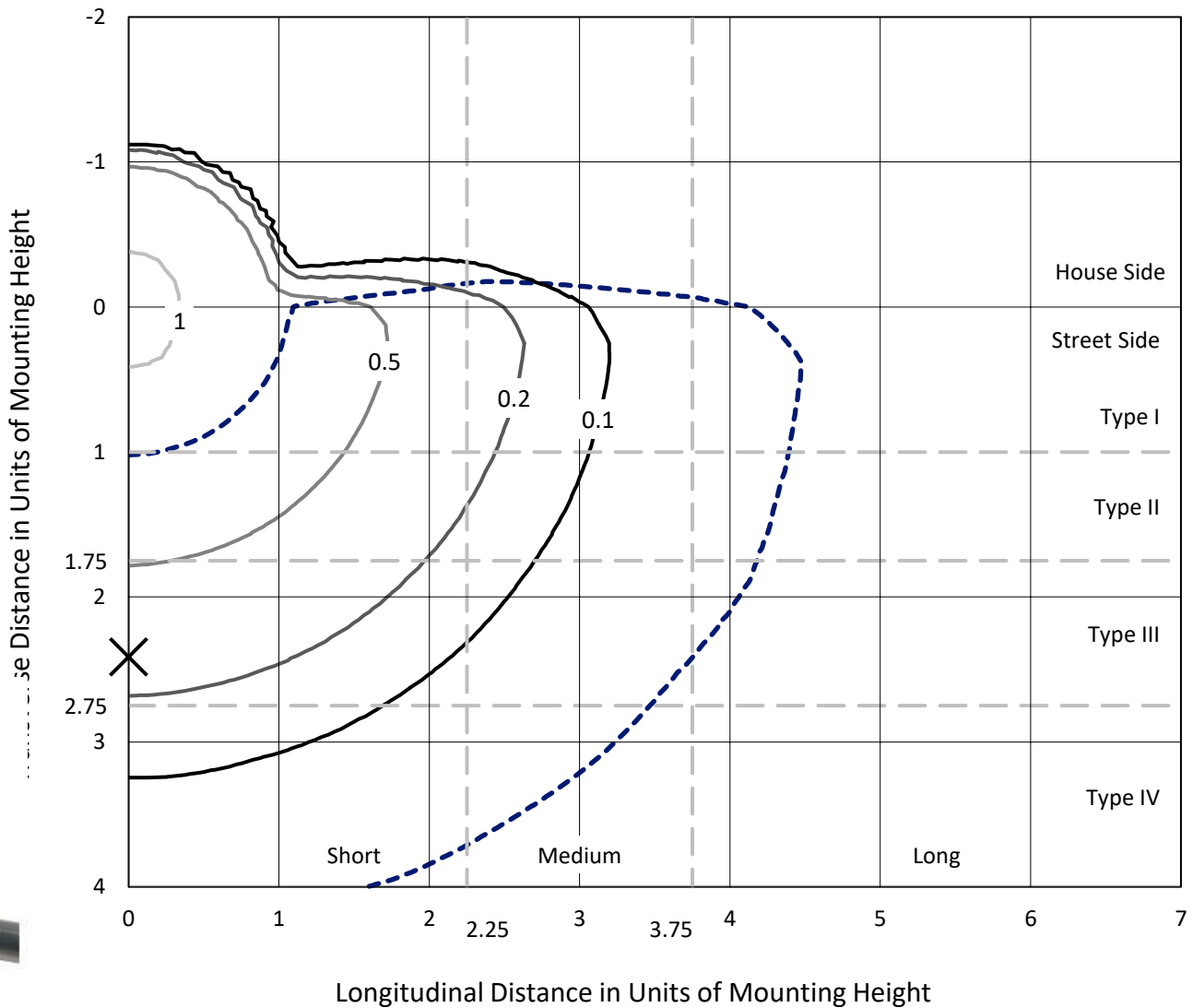


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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

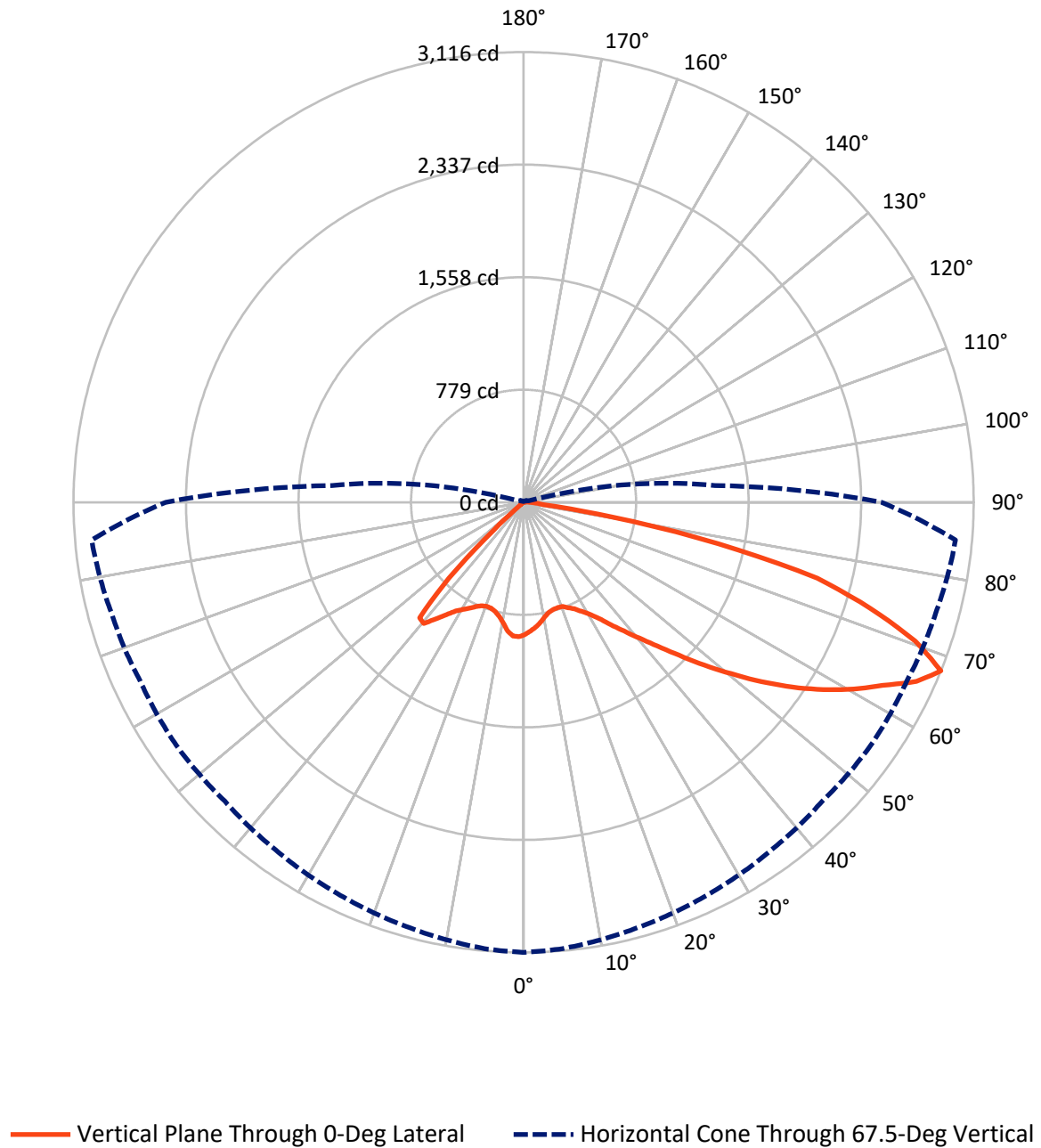


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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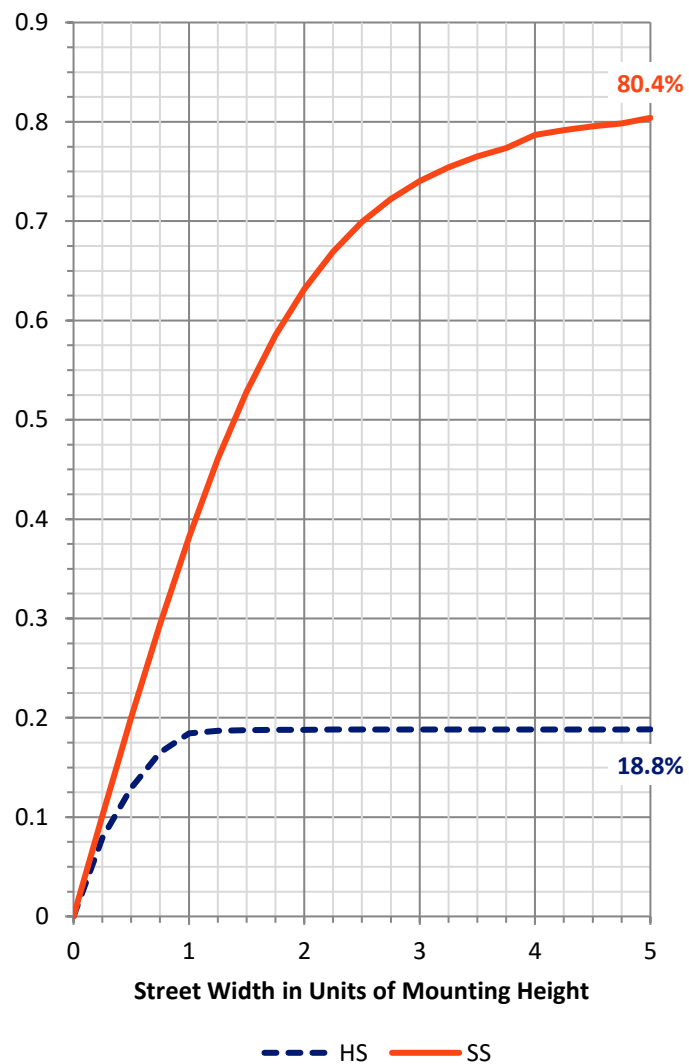
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1112.2	2.1	1114.3
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	4745.3	13.3	4758.7
	% Fixture	80.8	0.2	81.0
Total	Lumens	5857.6	15.4	5873.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	1.4
10°-20°	215.6	3.7
20°-30°	369.7	6.3
30°-40°	625.1	10.6
40°-50°	834.2	14.2
50°-60°	1059.1	18.0
60°-70°	1483.2	25.3
70°-80°	1074.2	18.3
80°-90°	114.5	1.9
90°-100°	12.8	0.2
100°-110°	1.3	0.0
110°-120°	0.5	0.0
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5857.6	99.7
0°-180°	5873.0	100.0

Coefficient of Utilization



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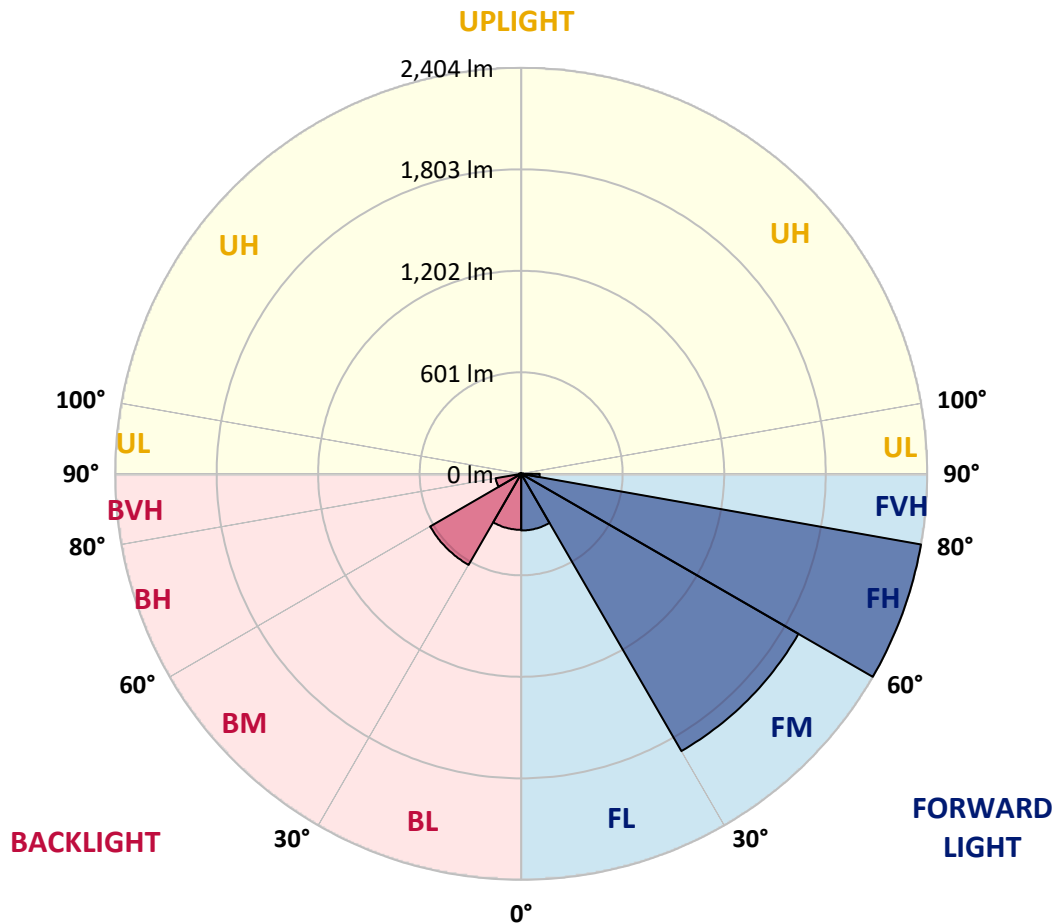
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	335.7	5.7			
FM	(30°-60°)	1895.6	32.3			
FH	(60°-80°)	2403.8	40.9			G2/5000
FVH	(80°-90°)	110.2	1.9			G2/225
BL	(0°-30°)	331.6	5.6	B1/500		
BM	(30°-60°)	622.8	10.6	B1/1000		
BH	(60°-80°)	153.6	2.6	B1/500		G1/500
BVH	(80°-90°)	4.3	0.1			G0/10
UL	(90°-100°)	12.8	0.2		U2/50	
UH	(100°-180°)	2.6	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short



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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	916.4	916.4	916.4	916.4	916.4	916.4	916.4	916.4	916.4	916.4	916.4
2.5°	892.9	895.8	895.8	895.8	898.8	895.8	895.8	895.8	895.8	898.8	898.8
5°	869.4	869.4	869.4	872.3	872.3	869.4	866.5	869.4	869.4	872.3	872.3
7.5°	840.0	840.0	840.0	843.0	840.0	834.2	828.3	831.2	828.3	831.2	834.2
10°	804.8	807.7	807.7	804.8	801.8	793.0	784.2	787.2	784.2	787.2	787.2
12.5°	781.3	784.2	784.2	781.3	772.5	766.6	760.7	754.9	751.9	757.8	754.9
15°	769.5	772.5	772.5	769.5	763.7	757.8	746.0	743.1	737.2	734.3	737.2
17.5°	766.6	766.6	766.6	763.7	757.8	749.0	743.1	737.2	734.3	734.3	731.4
20°	769.5	775.4	772.5	769.5	763.7	757.8	749.0	740.2	740.2	740.2	737.2
22.5°	793.0	793.0	790.1	790.1	784.2	775.4	766.6	760.7	754.9	754.9	754.9
25°	816.5	819.5	819.5	816.5	807.7	796.0	793.0	784.2	781.3	778.3	775.4
27.5°	854.7	851.8	854.7	854.7	843.0	837.1	828.3	822.4	819.5	813.6	810.7
30°	898.8	898.8	898.8	898.8	890.0	878.2	872.3	863.5	854.7	854.7	848.8
32.5°	957.5	960.5	960.5	957.5	948.7	937.0	931.1	919.3	916.4	910.5	904.6
35°	1039.8	1039.8	1039.8	1033.9	1022.1	1013.3	1007.4	998.6	995.7	986.9	972.2
37.5°	1130.8	1130.8	1136.7	1130.8	1119.1	1107.3	1098.5	1092.6	1083.8	1077.9	1069.1
40°	1236.5	1236.5	1239.5	1230.7	1218.9	1213.0	1204.2	1192.5	1186.6	1183.7	1166.1
42.5°	1359.9	1365.8	1365.8	1357.0	1348.2	1339.3	1327.6	1318.8	1312.9	1301.2	1277.7
45°	1509.7	1506.8	1512.6	1503.8	1498.0	1495.0	1477.4	1456.8	1459.8	1433.3	1406.9
47.5°	1685.9	1688.9	1685.9	1677.1	1671.2	1668.3	1650.7	1624.3	1612.5	1591.9	1542.0
50°	1865.1	1868.0	1865.1	1859.2	1865.1	1847.5	1826.9	1803.4	1800.5	1774.0	1697.7
52.5°	2061.9	2053.1	2050.1	2047.2	2041.3	2032.5	2012.0	1985.5	1988.5	1959.1	1838.7
55°	2258.7	2249.9	2235.2	2229.3	2223.4	2208.7	2191.1	2182.3	2179.4	2150.0	1988.5
57.5°	2446.7	2432.0	2411.4	2408.5	2399.7	2379.1	2370.3	2355.6	2355.6	2323.3	2097.1
60°	2625.8	2608.2	2584.7	2573.0	2558.3	2540.6	2537.7	2528.9	2531.8	2514.2	2214.6
62.5°	2790.3	2775.6	2746.2	2728.6	2705.1	2690.4	2693.4	2687.5	2699.3	2687.5	2317.4
65°	2990.0	2972.4	2937.2	2899.0	2866.7	2843.2	2834.4	2852.0	2901.9	2913.7	2455.5
67.5°	3116.3	3101.6	3048.8	3001.8	2957.7	2925.4	2934.2	2928.4	2954.8	3001.8	2479.0
70°	2878.4	2872.5	2819.7	2790.3	2758.0	2725.7	2728.6	2719.8	2740.4	2752.1	2273.4
72.5°	2511.3	2540.6	2473.1	2470.2	2449.6	2452.5	2420.2	2443.7	2429.0	2429.0	2012.0
75°	2100.1	2038.4	2017.8	2067.8	2038.4	2041.3	2035.5	2061.9	2059.0	2061.9	1750.6
77.5°	1377.5	1389.3	1362.8	1415.7	1442.1	1486.2	1506.8	1577.3	1550.8	1544.9	1386.3
80°	616.8	631.5	634.4	684.4	716.7	760.7	746.0	796.0	763.7	710.8	678.5
82.5°	138.0	138.0	155.7	199.7	211.5	220.3	220.3	229.1	182.1	111.6	91.1
85°	94.0	91.1	123.4	167.4	176.2	170.4	164.5	152.7	105.7	32.3	26.4
87.5°	61.7	64.6	99.9	138.0	143.9	135.1	126.3	114.5	76.4	8.8	5.9
90°	41.1	47.0	76.4	105.7	105.7	99.9	91.1	76.4	47.0	2.9	2.9
92.5°	20.6	23.5	38.2	47.0	44.1	38.2	35.2	29.4	17.6	2.9	2.9
95°	11.7	11.7	17.6	17.6	17.6	14.7	14.7	11.7	5.9	2.9	2.9
97.5°	8.8	8.8	11.7	11.7	8.8	8.8	8.8	5.9	2.9	2.9	2.9
100°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	2.9	2.9	2.9	2.9
102.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
105°	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	0.0
125°	0.0	0.0	0.0	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	2.9
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	0.0
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	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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	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	2.9	0.0	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0	2.9	2.9
175°	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9	2.9	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9	2.9	2.9
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°	916.4	916.4	916.4	916.4	916.4	916.4	916.4	916.4	916.4	916.4
2.5°	901.7	904.6	907.6	913.5	913.5	922.3	925.2	928.1	931.1	931.1
5°	878.2	881.1	890.0	895.8	904.6	910.5	919.3	922.3	925.2	928.1
7.5°	834.2	840.0	848.8	851.8	863.5	872.3	881.1	890.0	892.9	898.8
10°	790.1	793.0	796.0	804.8	810.7	822.4	834.2	840.0	845.9	845.9
12.5°	757.8	760.7	763.7	766.6	775.4	781.3	793.0	798.9	801.8	807.7
15°	737.2	737.2	743.1	743.1	749.0	757.8	763.7	772.5	775.4	781.3
17.5°	731.4	731.4	734.3	737.2	743.1	746.0	751.9	760.7	763.7	766.6
20°	734.3	737.2	737.2	740.2	746.0	749.0	754.9	757.8	760.7	763.7
22.5°	749.0	746.0	749.0	749.0	751.9	757.8	763.7	769.5	772.5	772.5
25°	769.5	766.6	766.6	772.5	775.4	778.3	787.2	790.1	793.0	793.0
27.5°	804.8	801.8	804.8	804.8	807.7	807.7	816.5	816.5	819.5	822.4
30°	840.0	831.2	831.2	831.2	834.2	840.0	843.0	848.8	851.8	851.8
32.5°	892.9	875.3	872.3	875.3	875.3	878.2	887.0	884.1	890.0	887.0
35°	960.5	942.8	937.0	937.0	937.0	937.0	945.8	939.9	945.8	942.8
37.5°	1042.7	1019.2	1016.3	1016.3	1010.4	1013.3	1016.3	1010.4	1007.4	1010.4
40°	1130.8	1089.7	1086.8	1089.7	1089.7	1089.7	1089.7	1086.8	1083.8	1086.8
42.5°	1089.7	925.2	945.8	975.1	1004.5	1039.8	1048.6	1072.1	1075.0	1075.0
45°	951.6	534.6	563.9	608.0	625.6	637.4	669.7	719.6	734.3	737.2
47.5°	840.0	179.2	190.9	208.5	237.9	252.6	255.5	290.8	305.5	276.1
50°	831.2	41.1	29.4	29.4	32.3	26.4	26.4	29.4	29.4	29.4
52.5°	907.6	38.2	26.4	23.5	23.5	23.5	20.6	23.5	23.5	23.5
55°	986.9	38.2	26.4	23.5	23.5	23.5	20.6	20.6	20.6	20.6
57.5°	1051.5	38.2	26.4	23.5	23.5	20.6	17.6	17.6	17.6	17.6
60°	1127.9	38.2	26.4	23.5	23.5	17.6	14.7	14.7	14.7	14.7
62.5°	1192.5	41.1	26.4	23.5	20.6	14.7	14.7	14.7	14.7	14.7
65°	1286.5	41.1	26.4	20.6	14.7	11.7	11.7	11.7	11.7	11.7
67.5°	1330.5	41.1	23.5	17.6	11.7	8.8	8.8	8.8	8.8	8.8
70°	1198.4	32.3	17.6	11.7	8.8	8.8	8.8	8.8	8.8	8.8
72.5°	1025.1	23.5	11.7	8.8	5.9	5.9	5.9	5.9	5.9	2.9
75°	816.5	14.7	5.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
77.5°	572.7	11.7	5.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
80°	237.9	8.8	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	35.2	5.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.7	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	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°	2.9	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	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	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°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	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)