

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: P691925

Luminaire Tested: **CRTK2-C01H-D-U-T5R-8027-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691925
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-C01H-D-U-T5R-8027-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 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: 5803.9 lumens
Efficiency: N/A
Efficacy: 82.7 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): 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

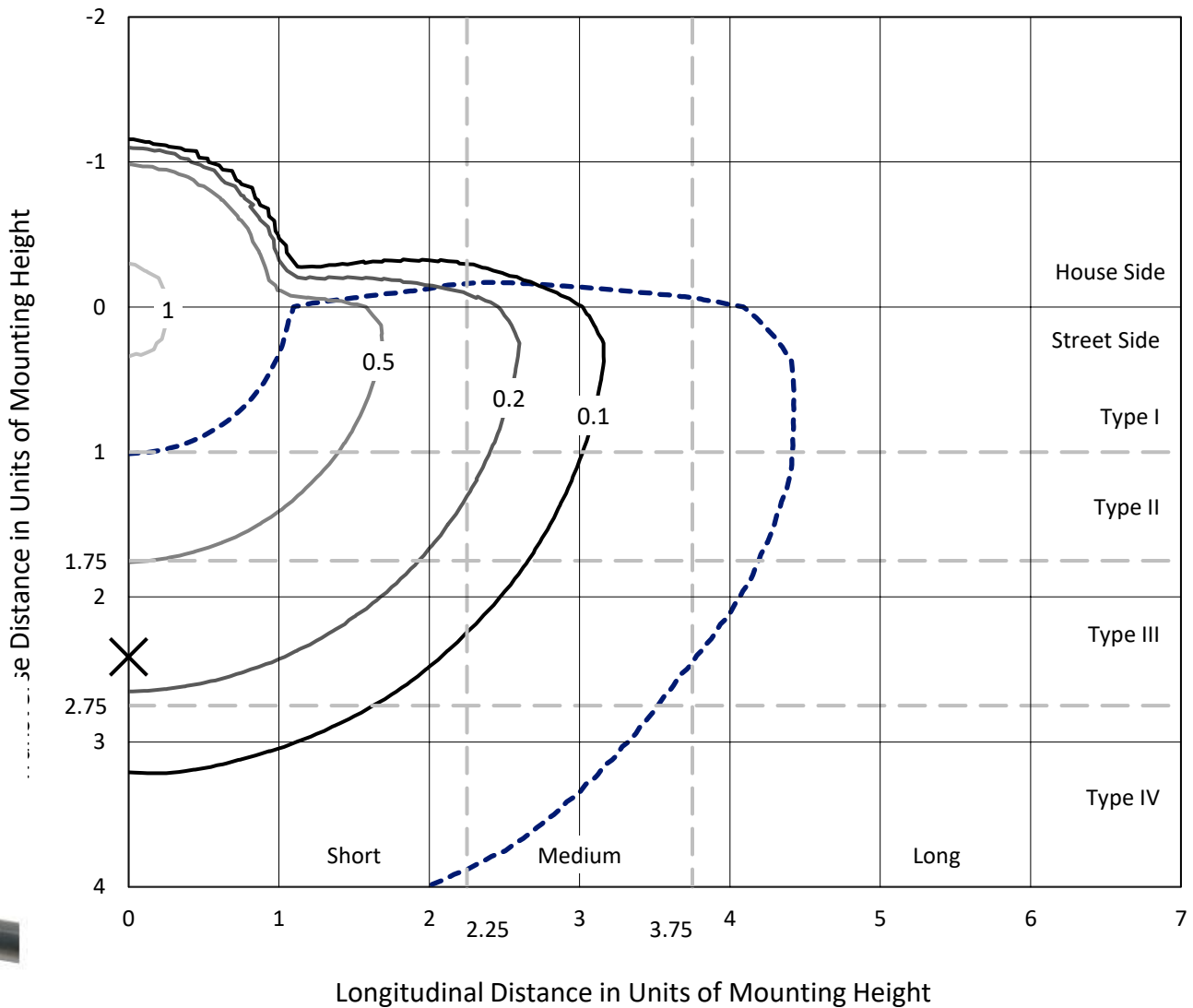


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

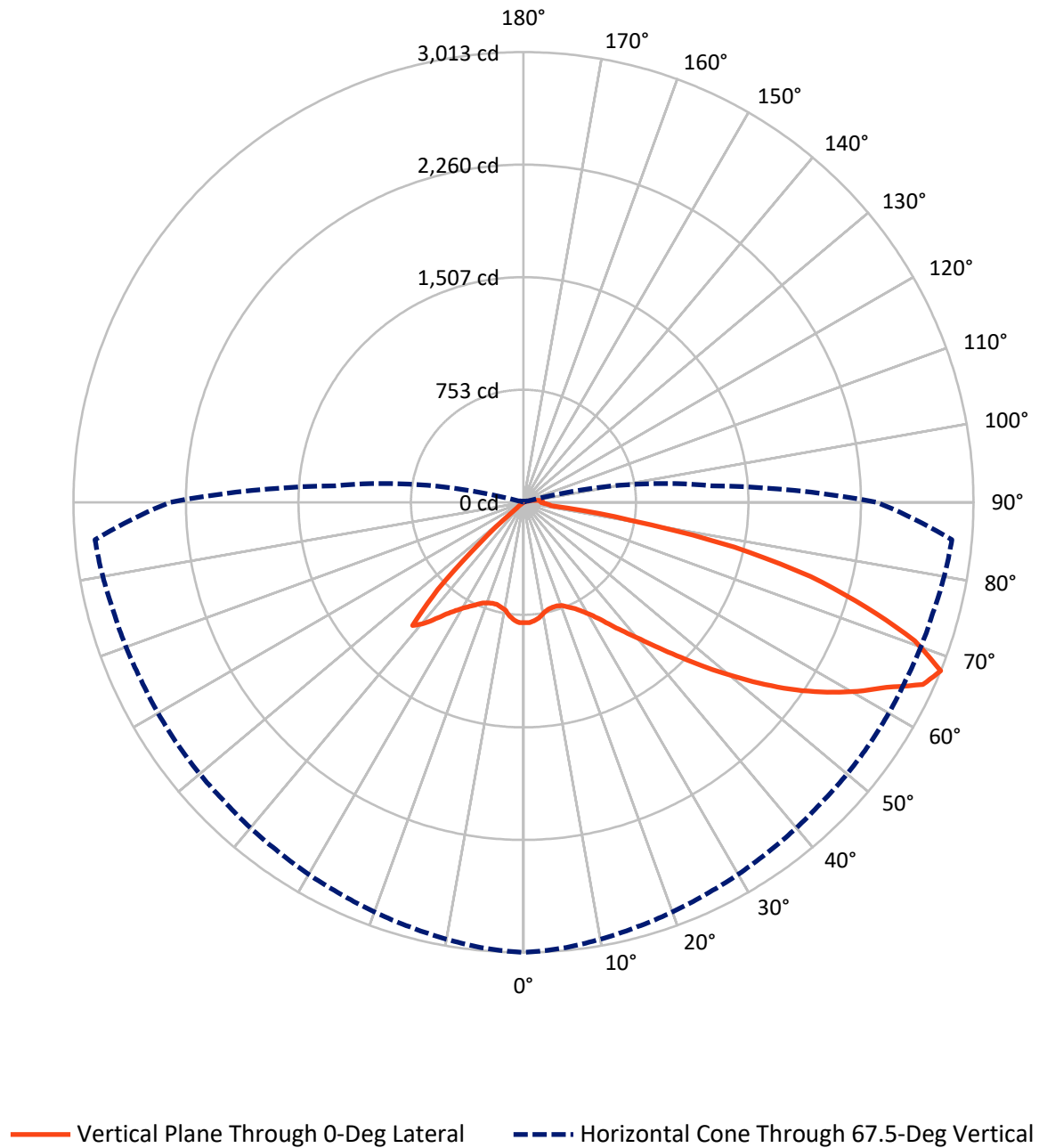


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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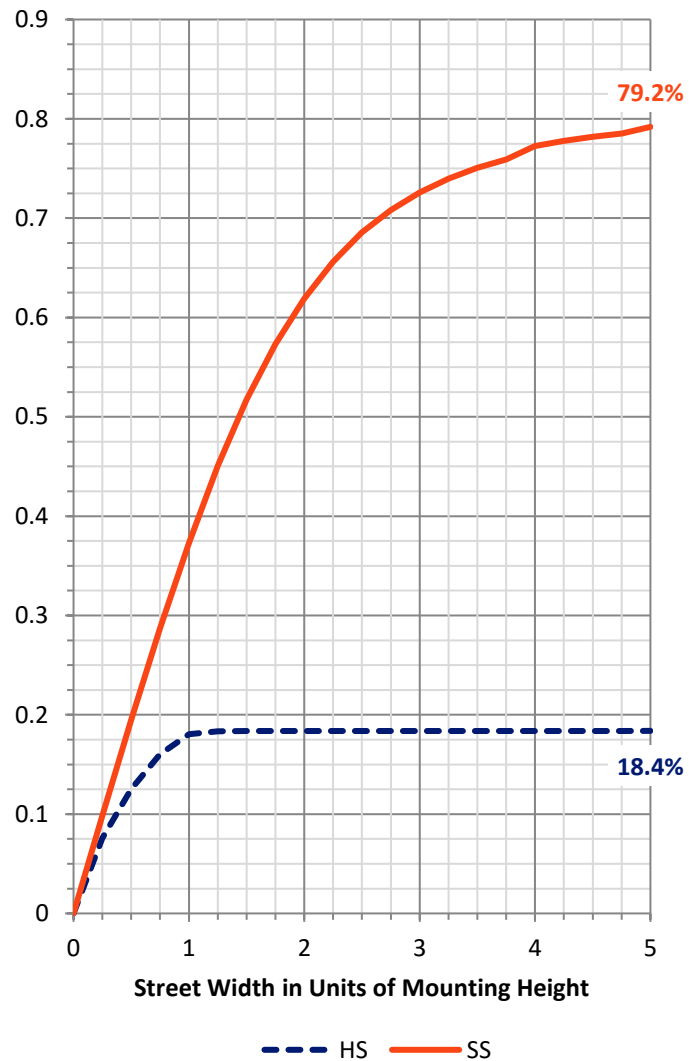
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1073.4	4.3	1077.7
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	4645.6	80.6	4726.2
	% Fixture	80.0	1.4	81.4
Total	Lumens	5719.0	84.9	5803.9
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	1.3
10°-20°	200.5	3.5
20°-30°	353.2	6.1
30°-40°	603.7	10.4
40°-50°	829.6	14.3
50°-60°	1025.4	17.7
60°-70°	1433.0	24.7
70°-80°	1046.7	18.0
80°-90°	153.7	2.6
90°-100°	67.7	1.2
100°-110°	15.5	0.3
110°-120°	0.9	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°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	5719.0	98.5
0°-180°	5803.9	100.0

Coefficient of Utilization



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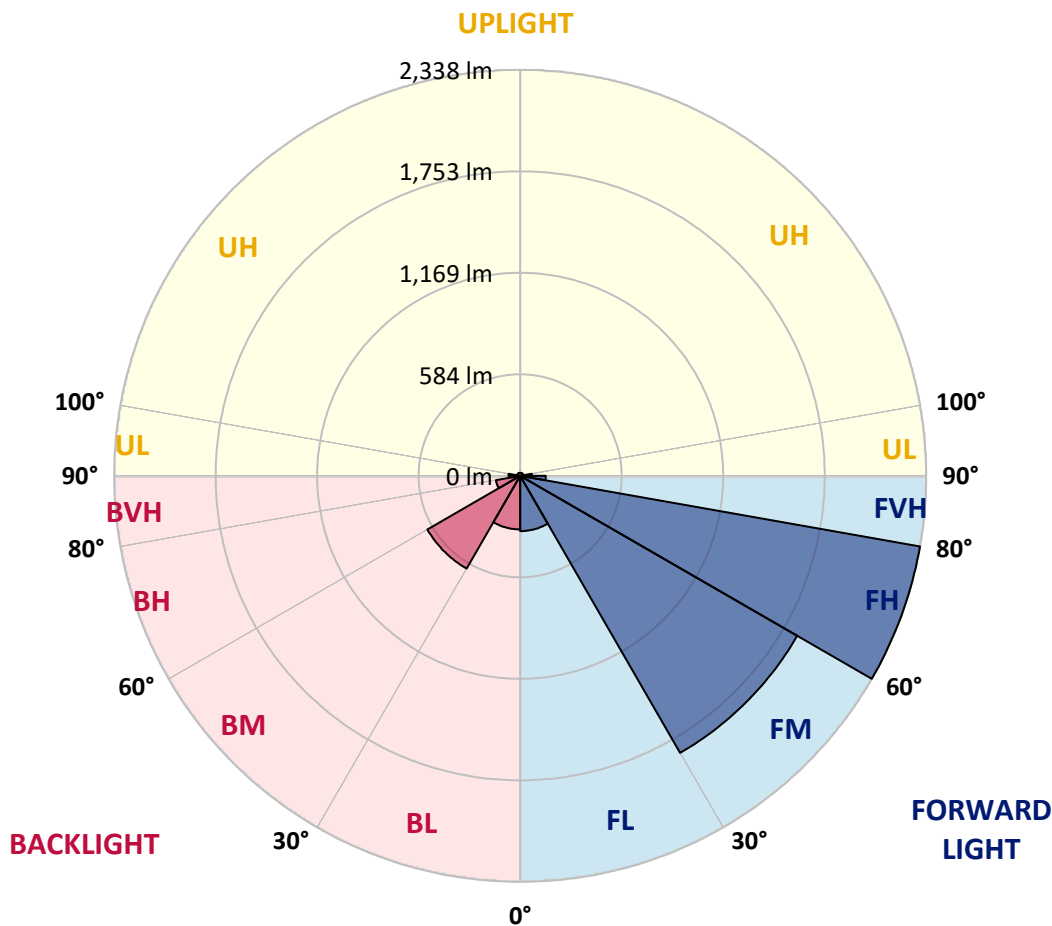
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	318.3	5.5			
FM	(30°-60°)	1841.9	31.7			
FH	(60°-80°)	2337.7	40.3			G2/5000
FVH	(80°-90°)	147.7	2.5			G2/225
BL	(0°-30°)	308.6	5.3	B1/500		
BM	(30°-60°)	616.8	10.6	B1/1000		
BH	(60°-80°)	142.0	2.4	B1/500		G1/500
BVH	(80°-90°)	6.0	0.1			G0/10
UL	(90°-100°)	67.7	1.2		U3/500	
UH	(100°-180°)	17.2	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°	805.8	805.8	805.8	805.8	805.8	805.8	805.8	805.8	805.8	805.8	805.8
2.5°	805.8	805.8	805.8	805.8	808.6	805.8	802.9	797.3	797.3	797.3	797.3
5°	794.4	794.4	797.3	797.3	794.4	791.6	785.9	785.9	783.1	783.1	783.1
7.5°	777.4	777.4	777.4	780.2	774.6	766.0	763.2	760.4	757.5	754.7	751.9
10°	751.9	751.9	751.9	749.0	743.3	734.8	729.2	723.5	723.5	720.6	717.8
12.5°	734.8	734.8	734.8	732.0	723.5	717.8	709.3	703.6	700.8	700.8	697.9
15°	729.2	729.2	729.2	726.3	717.8	712.1	703.6	697.9	692.3	689.4	686.6
17.5°	729.2	729.2	729.2	723.5	720.6	712.1	703.6	697.9	695.1	692.3	689.4
20°	737.7	740.5	737.7	734.8	726.3	720.6	712.1	703.6	700.8	700.8	697.9
22.5°	760.4	757.5	757.5	754.7	746.2	737.7	732.0	726.3	720.6	720.6	717.8
25°	785.9	788.7	788.7	783.1	777.4	768.9	760.4	751.9	749.0	746.2	743.3
27.5°	822.8	822.8	825.6	819.9	811.4	805.8	797.3	791.6	785.9	780.2	777.4
30°	868.2	871.0	871.0	865.3	856.8	845.5	839.8	831.3	822.8	822.8	814.3
32.5°	927.8	933.4	930.6	924.9	916.4	905.1	899.4	890.9	885.2	876.7	871.0
35°	1010.0	1012.9	1010.0	1004.4	990.2	978.8	973.2	967.5	961.8	950.5	939.1
37.5°	1100.8	1103.7	1106.5	1100.8	1083.8	1066.8	1061.1	1052.6	1049.8	1035.6	1029.9
40°	1205.8	1211.5	1208.6	1200.1	1185.9	1168.9	1166.1	1157.6	1149.1	1140.6	1126.4
42.5°	1333.5	1333.5	1330.6	1325.0	1313.6	1293.8	1288.1	1279.6	1273.9	1256.9	1234.2
45°	1481.0	1483.9	1475.3	1466.8	1464.0	1447.0	1432.8	1424.3	1407.2	1387.4	1361.9
47.5°	1654.1	1651.2	1639.9	1631.4	1628.5	1614.4	1603.0	1586.0	1563.3	1540.6	1492.4
50°	1832.8	1832.8	1813.0	1804.5	1810.1	1790.3	1776.1	1756.2	1733.5	1710.8	1639.9
52.5°	2025.8	2017.2	1997.4	2000.2	1991.7	1971.8	1954.8	1940.6	1917.9	1898.1	1784.6
55°	2218.7	2207.3	2176.1	2179.0	2164.8	2142.1	2130.7	2113.7	2108.0	2085.3	1923.6
57.5°	2397.4	2383.2	2349.2	2346.4	2335.0	2309.5	2303.8	2283.9	2269.8	2258.4	2028.6
60°	2570.5	2556.3	2525.1	2513.8	2491.1	2465.5	2468.4	2457.0	2448.5	2437.1	2144.9
62.5°	2726.5	2709.5	2681.1	2658.4	2627.2	2604.5	2607.4	2601.7	2607.4	2604.5	2244.2
65°	2939.3	2922.3	2879.7	2840.0	2794.6	2760.6	2757.8	2766.3	2825.8	2831.5	2397.4
67.5°	3013.1	2996.1	2942.2	2893.9	2857.1	2831.5	2825.8	2823.0	2840.0	2879.7	2366.2
70°	2780.4	2769.1	2718.0	2684.0	2647.1	2630.1	2613.1	2621.6	2638.6	2635.8	2170.5
72.5°	2400.3	2462.7	2397.4	2366.2	2357.7	2312.3	2323.7	2315.1	2326.5	2323.7	1929.3
75°	1986.0	1969.0	1954.8	2008.7	1969.0	1935.0	1954.8	1974.7	1994.5	1971.8	1691.0
77.5°	1444.1	1455.5	1449.8	1469.7	1506.5	1489.5	1478.2	1526.4	1534.9	1458.3	1313.6
80°	726.3	771.7	785.9	819.9	839.8	802.9	771.7	839.8	828.5	740.5	666.7
82.5°	190.1	192.9	221.3	261.0	266.7	261.0	266.7	261.0	227.0	144.7	122.0
85°	158.9	158.9	195.8	238.3	246.8	235.5	235.5	221.3	175.9	90.8	73.8
87.5°	130.5	136.2	175.9	215.6	221.3	210.0	207.1	190.1	153.2	79.4	62.4
90°	116.3	122.0	158.9	192.9	195.8	184.4	181.6	170.2	139.0	79.4	62.4
92.5°	127.7	130.5	156.0	175.9	175.9	167.4	164.6	156.0	136.2	99.3	76.6
95°	113.5	116.3	127.7	136.2	133.3	124.8	130.5	122.0	113.5	93.6	70.9
97.5°	93.6	96.5	99.3	99.3	96.5	90.8	96.5	93.6	88.0	76.6	56.7
100°	70.9	70.9	70.9	73.8	70.9	68.1	70.9	65.3	62.4	53.9	39.7
102.5°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	42.6	39.7	34.0	22.7
105°	28.4	28.4	25.5	28.4	28.4	25.5	25.5	22.7	17.0	14.2	8.5
107.5°	11.3	11.3	8.5	8.5	8.5	8.5	5.7	2.8	2.8	2.8	2.8
110°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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	2.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8
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	2.8	2.8	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
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°	805.8	805.8	805.8	805.8	805.8	805.8	805.8	805.8	805.8	805.8
2.5°	797.3	797.3	797.3	797.3	797.3	797.3	800.1	802.9	805.8	805.8
5°	783.1	783.1	783.1	780.2	783.1	785.9	788.7	788.7	791.6	791.6
7.5°	754.7	751.9	751.9	751.9	754.7	760.4	760.4	763.2	766.0	766.0
10°	717.8	717.8	717.8	717.8	720.6	726.3	726.3	732.0	732.0	732.0
12.5°	697.9	697.9	695.1	692.3	697.9	697.9	706.5	709.3	712.1	717.8
15°	686.6	683.8	686.6	686.6	689.4	692.3	695.1	700.8	703.6	706.5
17.5°	686.6	686.6	686.6	689.4	692.3	692.3	695.1	700.8	703.6	706.5
20°	697.9	697.9	695.1	695.1	697.9	697.9	703.6	709.3	712.1	715.0
22.5°	715.0	712.1	712.1	709.3	712.1	715.0	720.6	726.3	726.3	726.3
25°	737.7	734.8	734.8	734.8	740.5	740.5	746.2	751.9	751.9	751.9
27.5°	774.6	768.9	766.0	766.0	766.0	768.9	774.6	777.4	780.2	780.2
30°	805.8	800.1	797.3	794.4	797.3	800.1	805.8	811.4	811.4	811.4
32.5°	862.5	848.3	839.8	842.6	842.6	845.5	851.2	851.2	854.0	854.0
35°	927.8	913.6	899.4	902.2	902.2	905.1	905.1	905.1	910.7	905.1
37.5°	1010.0	987.3	976.0	978.8	973.2	973.2	973.2	973.2	970.3	976.0
40°	1098.0	1063.9	1052.6	1055.4	1052.6	1049.8	1049.8	1052.6	1049.8	1052.6
42.5°	1083.8	941.9	976.0	1015.7	1044.1	1063.9	1086.6	1098.0	1098.0	1109.3
45°	947.6	558.9	598.6	652.6	697.9	746.2	768.9	785.9	797.3	819.9
47.5°	822.8	201.4	229.8	266.7	314.9	314.9	354.6	371.7	377.3	397.2
50°	800.1	31.2	25.5	28.4	31.2	34.0	36.9	45.4	45.4	56.7
52.5°	871.0	28.4	17.0	11.3	11.3	8.5	5.7	5.7	5.7	8.5
55°	950.5	31.2	17.0	11.3	8.5	8.5	2.8	2.8	2.8	2.8
57.5°	1018.6	28.4	14.2	11.3	8.5	5.7	0.0	0.0	0.0	0.0
60°	1092.3	31.2	17.0	11.3	8.5	5.7	0.0	0.0	0.0	0.0
62.5°	1157.6	31.2	17.0	11.3	8.5	2.8	0.0	0.0	0.0	0.0
65°	1251.2	34.0	17.0	11.3	5.7	0.0	0.0	0.0	0.0	0.0
67.5°	1268.2	34.0	17.0	8.5	2.8	0.0	0.0	0.0	0.0	0.0
70°	1132.0	28.4	11.3	5.7	2.8	0.0	0.0	0.0	0.0	0.0
72.5°	973.2	17.0	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	783.1	14.2	5.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	524.9	11.3	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	235.5	8.5	2.8	2.8	0.0	0.0	2.8	2.8	0.0	0.0
82.5°	51.1	5.7	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	34.0	5.7	2.8	2.8	0.0	0.0	2.8	2.8	0.0	0.0
87.5°	31.2	2.8	2.8	2.8	0.0	0.0	0.0	2.8	0.0	0.0
90°	31.2	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	36.9	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	34.0	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	25.5	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	17.0	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	8.5	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	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°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.8	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°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.8	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°	2.8	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°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.8	2.8	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	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.8	2.8	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)