

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: P691929

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691929
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-D-U-T5R-8027-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 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: 5674 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - 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

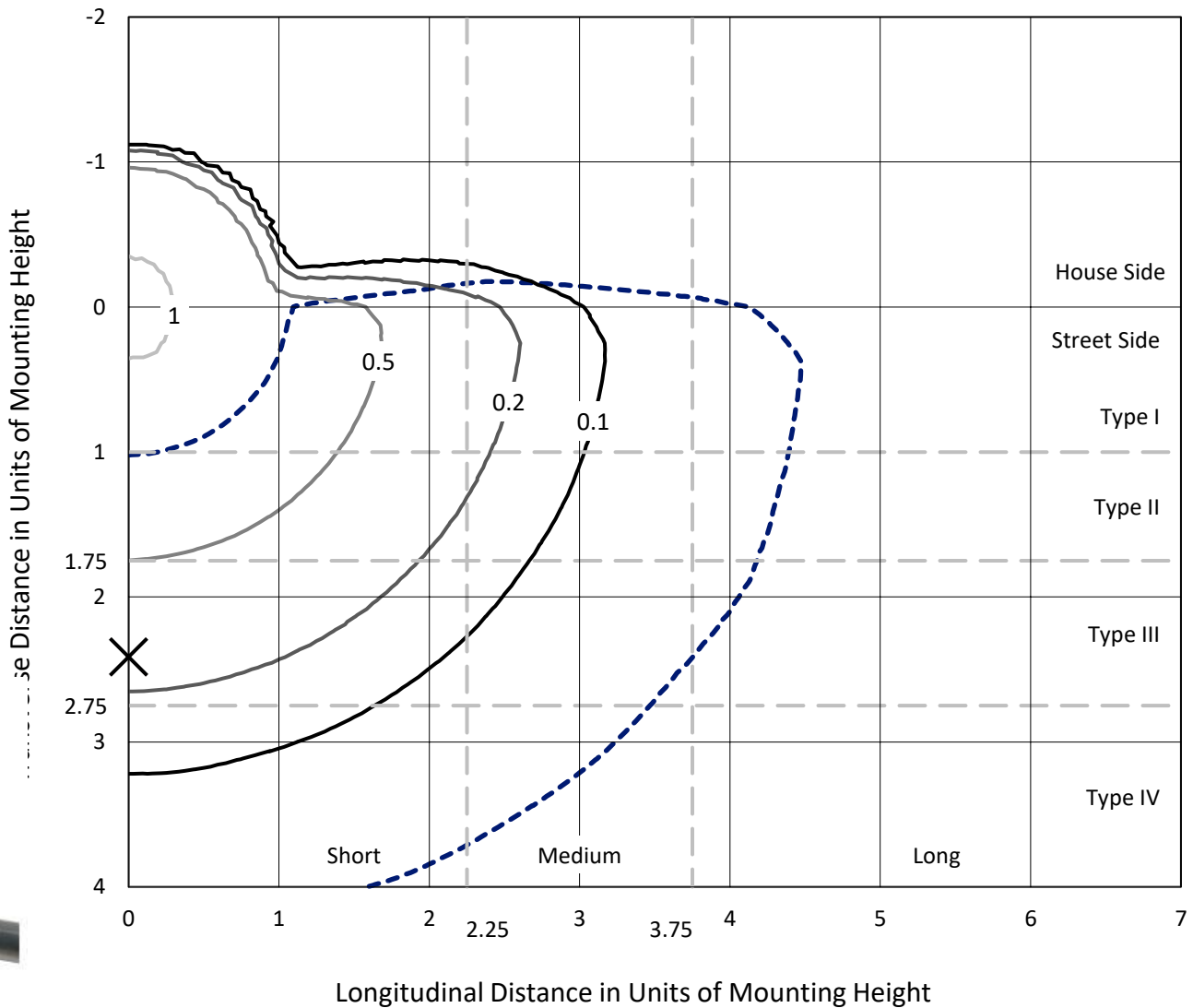


REPORT NUMBER: P691929

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

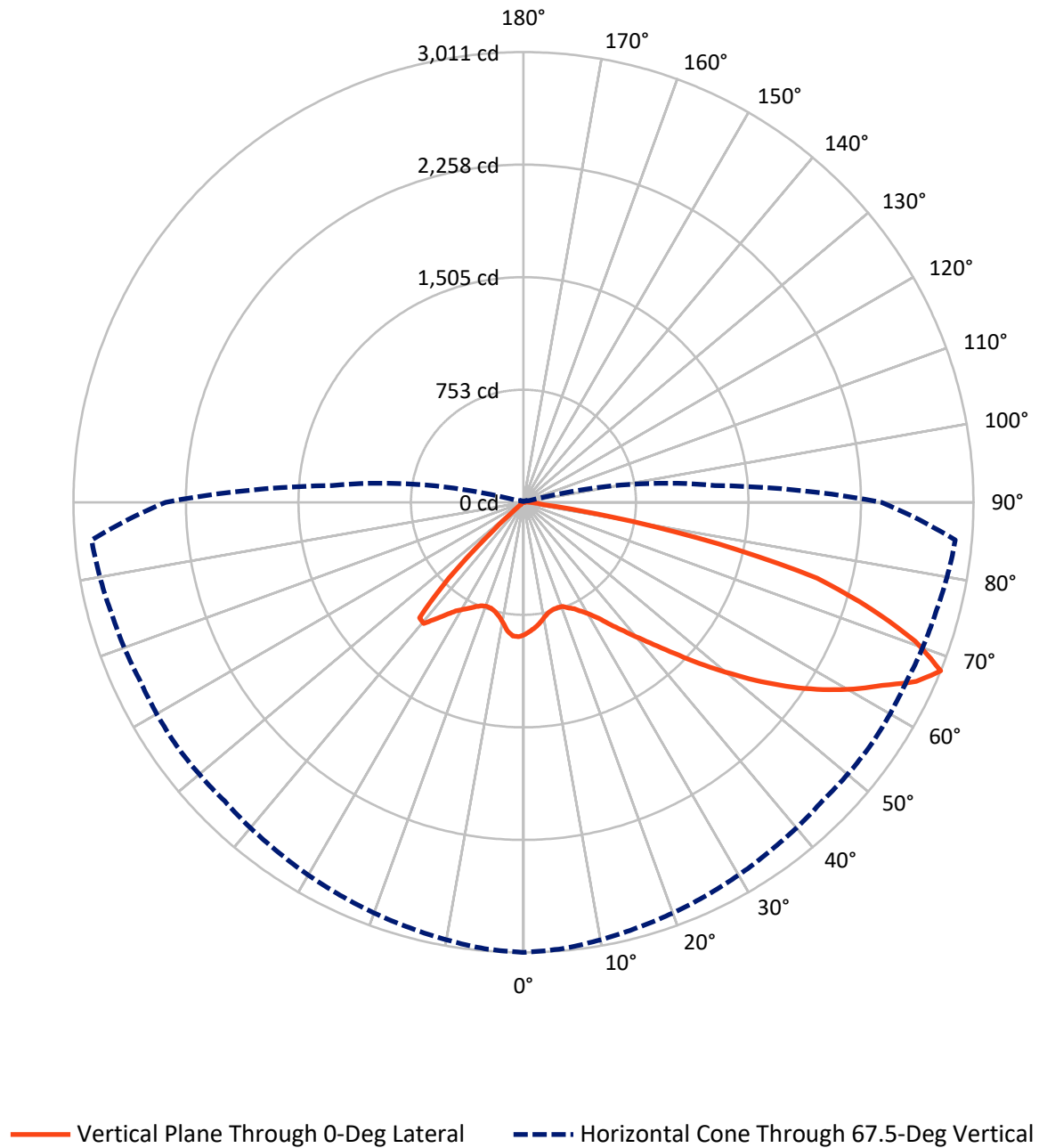


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P691929

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

Luminous Intensity Polar Plot



REPORT NUMBER: P691929

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

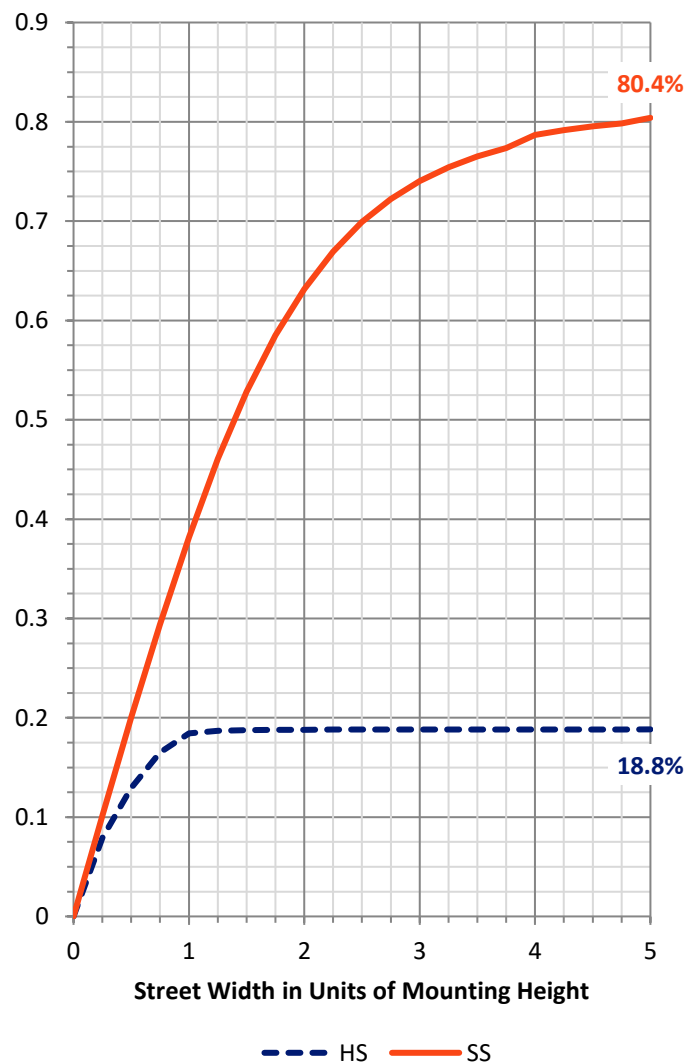
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1074.5	2.0	1076.5
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	4584.5	12.9	4597.4
	% Fixture	80.8	0.2	81.0
Total	Lumens	5659.1	14.9	5674.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	1.4
10°-20°	208.3	3.7
20°-30°	357.2	6.3
30°-40°	604.0	10.6
40°-50°	805.9	14.2
50°-60°	1023.2	18.0
60°-70°	1432.9	25.3
70°-80°	1037.8	18.3
80°-90°	110.6	1.9
90°-100°	12.4	0.2
100°-110°	1.2	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°	5659.1	99.7
0°-180°	5674.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691929

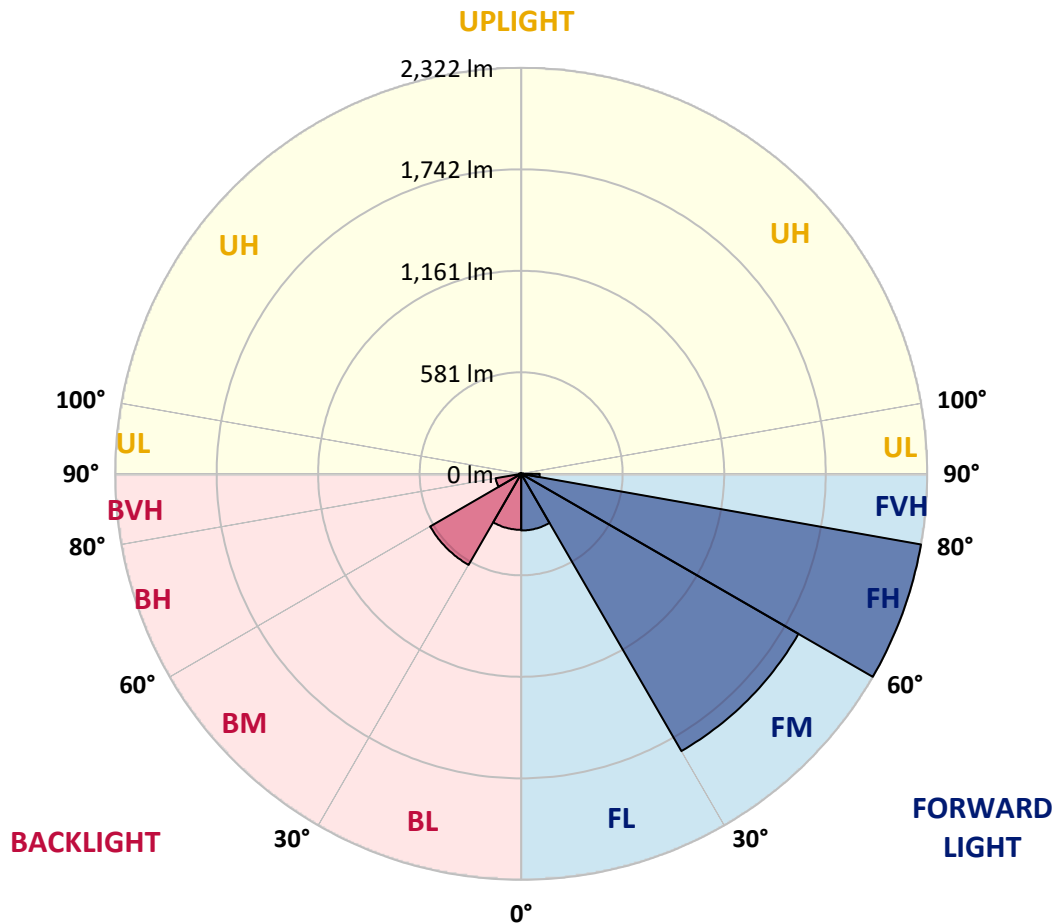
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.3	5.7			
FM	(30°-60°)	1831.4	32.3			
FH	(60°-80°)	2322.4	40.9			G2/5000
FVH	(80°-90°)	106.5	1.9			G2/225
BL	(0°-30°)	320.3	5.6	B1/500		
BM	(30°-60°)	601.7	10.6	B1/1000		
BH	(60°-80°)	148.4	2.6	B1/500		G1/500
BVH	(80°-90°)	4.1	0.1			G0/10
UL	(90°-100°)	12.4	0.2		U2/50	
UH	(100°-180°)	2.5	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short



REPORT NUMBER: P691929

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3
2.5°	862.6	865.5	865.5	865.5	868.3	865.5	865.5	865.5	865.5	868.3	868.3
5°	839.9	839.9	839.9	842.8	842.8	839.9	837.1	839.9	839.9	842.8	842.8
7.5°	811.6	811.6	811.6	814.4	811.6	805.9	800.2	803.1	800.2	803.1	805.9
10°	777.5	780.4	780.4	777.5	774.7	766.2	757.7	760.5	757.7	760.5	760.5
12.5°	754.8	757.7	757.7	754.8	746.3	740.6	734.9	729.3	726.4	732.1	729.3
15°	743.5	746.3	746.3	743.5	737.8	732.1	720.8	717.9	712.2	709.4	712.2
17.5°	740.6	740.6	740.6	737.8	732.1	723.6	717.9	712.2	709.4	709.4	706.6
20°	743.5	749.1	746.3	743.5	737.8	732.1	723.6	715.1	715.1	715.1	712.2
22.5°	766.2	766.2	763.3	763.3	757.7	749.1	740.6	734.9	729.3	729.3	729.3
25°	788.9	791.7	791.7	788.9	780.4	769.0	766.2	757.7	754.8	752.0	749.1
27.5°	825.8	822.9	825.8	825.8	814.4	808.7	800.2	794.5	791.7	786.0	783.2
30°	868.3	868.3	868.3	868.3	859.8	848.5	842.8	834.3	825.8	825.8	820.1
32.5°	925.1	927.9	927.9	925.1	916.6	905.2	899.5	888.2	885.3	879.7	874.0
35°	1004.5	1004.5	1004.5	998.9	987.5	979.0	973.3	964.8	962.0	953.4	939.3
37.5°	1092.5	1092.5	1098.2	1092.5	1081.1	1069.8	1061.3	1055.6	1047.1	1041.4	1032.9
40°	1194.6	1194.6	1197.5	1189.0	1177.6	1171.9	1163.4	1152.1	1146.4	1143.6	1126.5
42.5°	1313.8	1319.5	1319.5	1311.0	1302.5	1294.0	1282.6	1274.1	1268.4	1257.1	1234.4
45°	1458.5	1455.7	1461.4	1452.9	1447.2	1444.4	1427.3	1407.5	1410.3	1384.8	1359.2
47.5°	1628.8	1631.6	1628.8	1620.3	1614.6	1611.8	1594.8	1569.2	1557.9	1538.0	1489.8
50°	1801.9	1804.7	1801.9	1796.2	1801.9	1784.9	1765.0	1742.3	1739.5	1713.9	1640.2
52.5°	1992.0	1983.5	1980.7	1977.8	1972.2	1963.6	1943.8	1918.2	1921.1	1892.7	1776.4
55°	2182.1	2173.6	2159.4	2153.8	2148.1	2133.9	2116.9	2108.4	2105.5	2077.2	1921.1
57.5°	2363.8	2349.6	2329.7	2326.9	2318.4	2298.5	2290.0	2275.8	2275.8	2244.6	2026.1
60°	2536.9	2519.8	2497.1	2485.8	2471.6	2454.6	2451.7	2443.2	2446.0	2429.0	2139.6
62.5°	2695.8	2681.6	2653.2	2636.2	2613.5	2599.3	2602.1	2596.4	2607.8	2596.4	2238.9
65°	2888.7	2871.7	2837.6	2800.8	2769.5	2746.8	2738.3	2755.4	2803.6	2814.9	2372.3
67.5°	3010.7	2996.6	2945.5	2900.1	2857.5	2826.3	2834.8	2829.1	2854.7	2900.1	2395.0
70°	2780.9	2775.2	2724.1	2695.8	2664.5	2633.3	2636.2	2627.7	2647.5	2658.9	2196.3
72.5°	2426.2	2454.6	2389.3	2386.5	2366.6	2369.4	2338.2	2360.9	2346.7	2346.7	1943.8
75°	2028.9	1969.3	1949.5	1997.7	1969.3	1972.2	1966.5	1992.0	1989.2	1992.0	1691.2
77.5°	1330.9	1342.2	1316.7	1367.7	1393.3	1435.8	1455.7	1523.8	1498.3	1492.6	1339.4
80°	595.9	610.1	612.9	661.2	692.4	734.9	720.8	769.0	737.8	686.7	655.5
82.5°	133.4	133.4	150.4	193.0	204.3	212.8	212.8	221.3	175.9	107.8	88.0
85°	90.8	88.0	119.2	161.7	170.3	164.6	158.9	147.6	102.2	31.2	25.5
87.5°	59.6	62.4	96.5	133.4	139.0	130.5	122.0	110.7	73.8	8.5	5.7
90°	39.7	45.4	73.8	102.2	102.2	96.5	88.0	73.8	45.4	2.8	2.8
92.5°	19.9	22.7	36.9	45.4	42.6	36.9	34.1	28.4	17.0	2.8	2.8
95°	11.4	11.4	17.0	17.0	17.0	14.2	14.2	11.4	5.7	2.8	2.8
97.5°	8.5	8.5	11.4	11.4	8.5	8.5	8.5	5.7	2.8	2.8	2.8
100°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	2.8	2.8	2.8	2.8
102.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
105°	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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

REPORT NUMBER: P691929

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

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	2.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	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	2.8
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	2.8
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	2.8	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	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8
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	2.8	0.0	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
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	2.8	2.8	0.0	2.8	2.8
175°	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8
177.5°	0.0	0.0	0.0	0.0	0.0	2.8	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

REPORT NUMBER: P691929

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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3
2.5°	871.2	874.0	876.8	882.5	882.5	891.0	893.9	896.7	899.5	899.5
5°	848.5	851.3	859.8	865.5	874.0	879.7	888.2	891.0	893.9	896.7
7.5°	805.9	811.6	820.1	822.9	834.3	842.8	851.3	859.8	862.6	868.3
10°	763.3	766.2	769.0	777.5	783.2	794.5	805.9	811.6	817.2	817.2
12.5°	732.1	734.9	737.8	740.6	749.1	754.8	766.2	771.8	774.7	780.4
15°	712.2	712.2	717.9	717.9	723.6	732.1	737.8	746.3	749.1	754.8
17.5°	706.6	706.6	709.4	712.2	717.9	720.8	726.4	734.9	737.8	740.6
20°	709.4	712.2	712.2	715.1	720.8	723.6	729.3	732.1	734.9	737.8
22.5°	723.6	720.8	723.6	723.6	726.4	732.1	737.8	743.5	746.3	746.3
25°	743.5	740.6	740.6	746.3	749.1	752.0	760.5	763.3	766.2	766.2
27.5°	777.5	774.7	777.5	777.5	780.4	780.4	788.9	788.9	791.7	794.5
30°	811.6	803.1	803.1	803.1	805.9	811.6	814.4	820.1	822.9	822.9
32.5°	862.6	845.6	842.8	845.6	845.6	848.5	857.0	854.1	859.8	857.0
35°	927.9	910.9	905.2	905.2	905.2	905.2	913.7	908.0	913.7	910.9
37.5°	1007.4	984.7	981.8	981.8	976.1	979.0	981.8	976.1	973.3	976.1
40°	1092.5	1052.8	1049.9	1052.8	1052.8	1052.8	1052.8	1049.9	1047.1	1049.9
42.5°	1052.8	893.9	913.7	942.1	970.5	1004.5	1013.0	1035.7	1038.6	1038.6
45°	919.4	516.5	544.8	587.4	604.4	615.8	647.0	695.2	709.4	712.2
47.5°	811.6	173.1	184.4	201.5	229.8	244.0	246.9	280.9	295.1	266.7
50°	803.1	39.7	28.4	28.4	31.2	25.5	25.5	28.4	28.4	28.4
52.5°	876.8	36.9	25.5	22.7	22.7	22.7	19.9	22.7	22.7	22.7
55°	953.4	36.9	25.5	22.7	22.7	22.7	19.9	19.9	19.9	19.9
57.5°	1015.9	36.9	25.5	22.7	22.7	19.9	17.0	17.0	17.0	17.0
60°	1089.7	36.9	25.5	22.7	22.7	17.0	14.2	14.2	14.2	14.2
62.5°	1152.1	39.7	25.5	22.7	19.9	14.2	14.2	14.2	14.2	14.2
65°	1242.9	39.7	25.5	19.9	14.2	11.4	11.4	11.4	11.4	11.4
67.5°	1285.5	39.7	22.7	17.0	11.4	8.5	8.5	8.5	8.5	8.5
70°	1157.8	31.2	17.0	11.4	8.5	8.5	8.5	8.5	8.5	8.5
72.5°	990.3	22.7	11.4	8.5	5.7	5.7	5.7	5.7	5.7	2.8
75°	788.9	14.2	5.7	2.8	2.8	0.0	0.0	0.0	0.0	0.0
77.5°	553.3	11.4	5.7	2.8	2.8	0.0	0.0	0.0	0.0	0.0
80°	229.8	8.5	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	34.1	5.7	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.4	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.8	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

REPORT NUMBER: P691929

CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027-U0-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	2.8	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°	2.8	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°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.8	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.8	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	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	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°	2.8	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.8	2.8	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)