

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: P691653

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691653
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-C018-5TLD-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: 4633 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 53.7
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



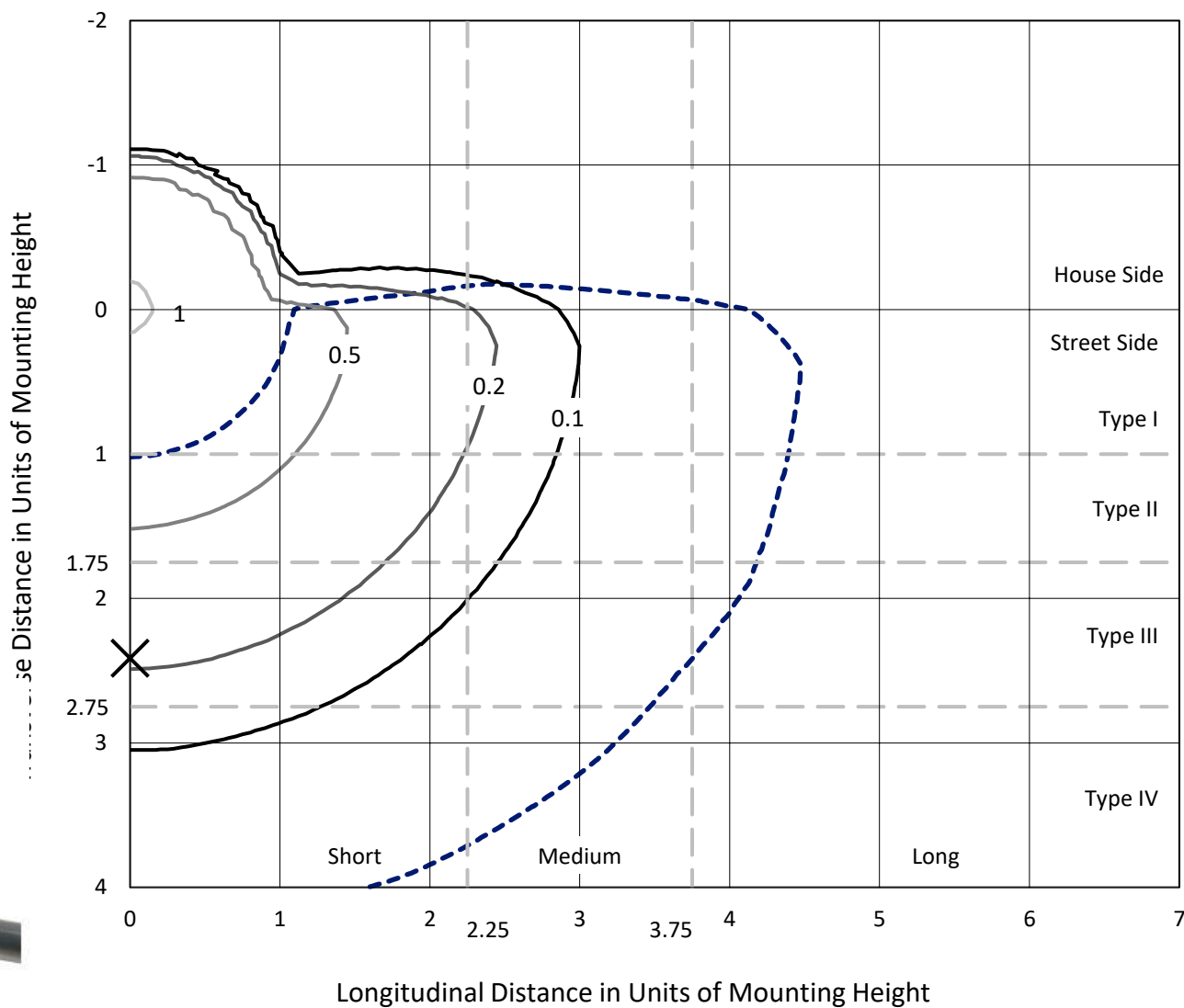
REPORT NUMBER: P691653

CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

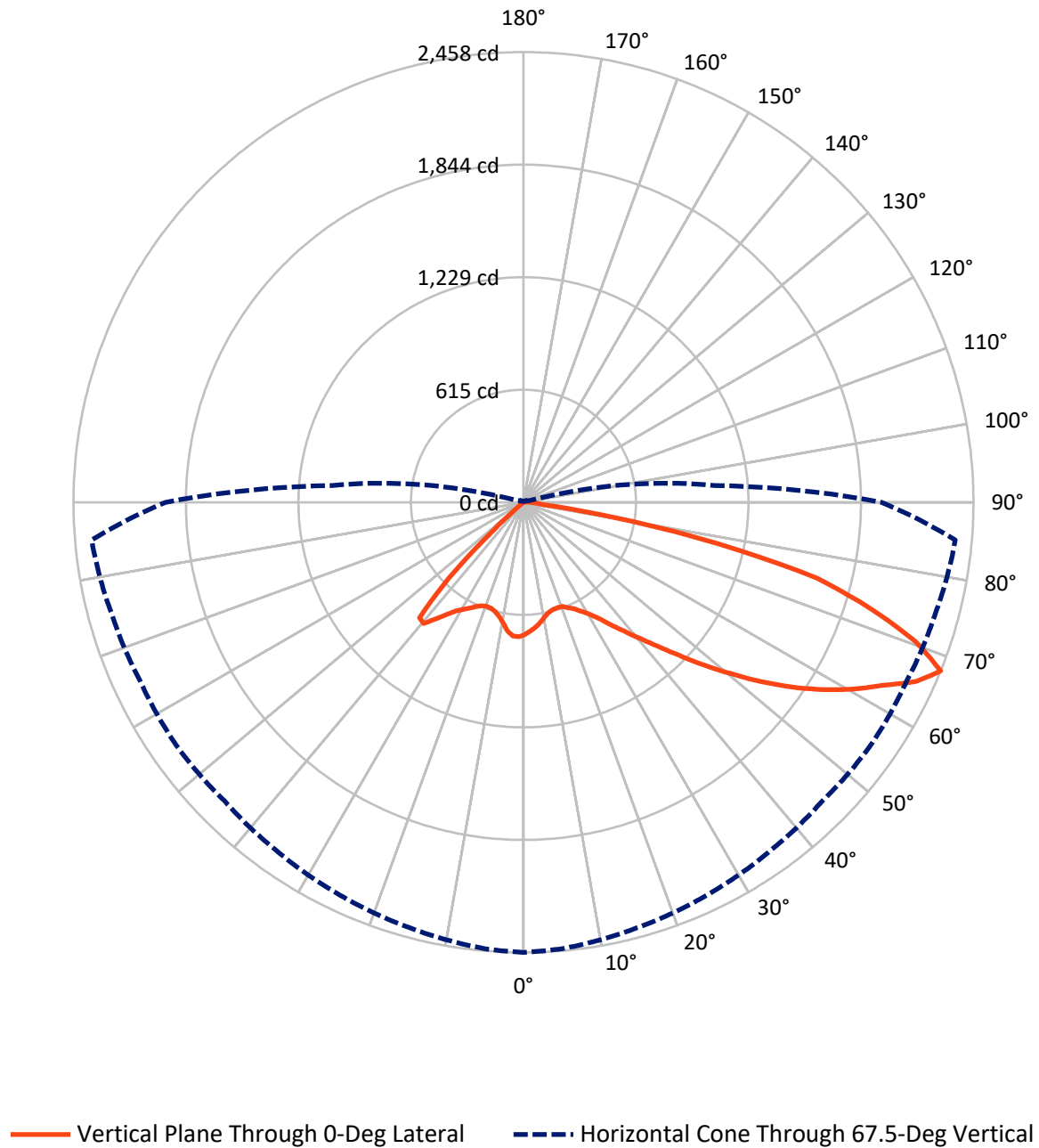


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P691653

CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691653

CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

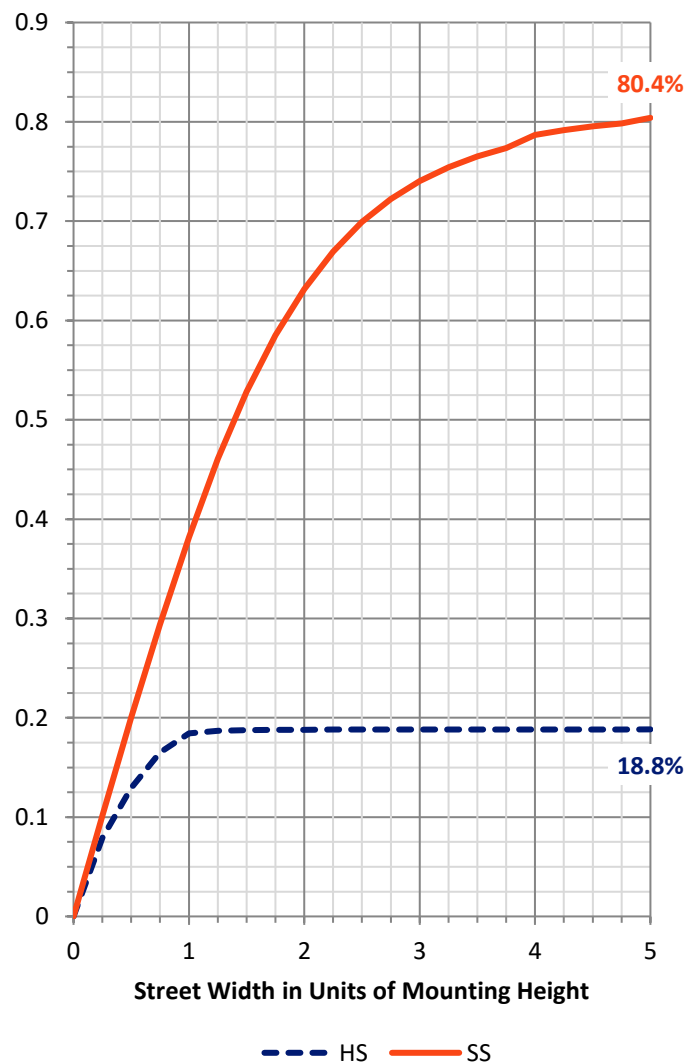
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	877.4	1.6	879.0
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	3743.4	10.5	3754.0
	% Fixture	80.8	0.2	81.0
Total	Lumens	4620.8	12.2	4633.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	1.4
10°-20°	170.1	3.7
20°-30°	291.7	6.3
30°-40°	493.1	10.6
40°-50°	658.0	14.2
50°-60°	835.5	18.0
60°-70°	1170.0	25.3
70°-80°	847.4	18.3
80°-90°	90.3	1.9
90°-100°	10.1	0.2
100°-110°	1.0	0.0
110°-120°	0.4	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	4620.8	99.7
0°-180°	4633.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691653

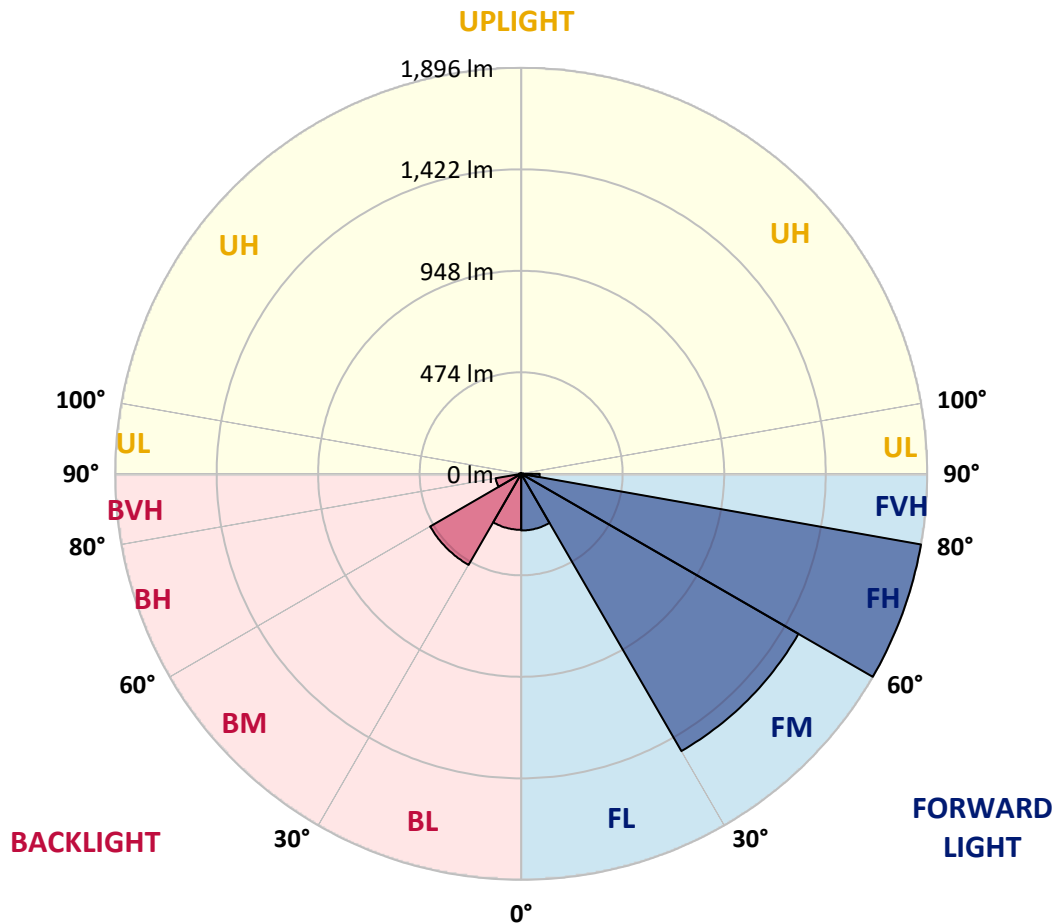
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.8	5.7			
FM	(30°-60°)	1495.4	32.3			
FH	(60°-80°)	1896.3	40.9			G2/5000
FVH	(80°-90°)	86.9	1.9			G1/100
BL	(0°-30°)	261.6	5.6	B1/500		
BM	(30°-60°)	491.3	10.6	B1/1000		
BH	(60°-80°)	121.2	2.6	B1/500		G1/500
BVH	(80°-90°)	3.4	0.1			G0/10
UL	(90°-100°)	10.1	0.2		U2/50	
UH	(100°-180°)	2.0	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short



REPORT NUMBER: P691653

CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9
2.5°	704.4	706.7	706.7	706.7	709.0	706.7	706.7	706.7	706.7	709.0	709.0
5°	685.8	685.8	685.8	688.2	688.2	685.8	683.5	685.8	685.8	688.2	688.2
7.5°	662.7	662.7	662.7	665.0	662.7	658.0	653.4	655.7	653.4	655.7	658.0
10°	634.9	637.2	637.2	634.9	632.5	625.6	618.6	621.0	618.6	621.0	621.0
12.5°	616.3	618.6	618.6	616.3	609.4	604.7	600.1	595.5	593.2	597.8	595.5
15°	607.1	609.4	609.4	607.1	602.4	597.8	588.5	586.2	581.6	579.3	581.6
17.5°	604.7	604.7	604.7	602.4	597.8	590.8	586.2	581.6	579.3	579.3	576.9
20°	607.1	611.7	609.4	607.1	602.4	597.8	590.8	583.9	583.9	583.9	581.6
22.5°	625.6	625.6	623.3	623.3	618.6	611.7	604.7	600.1	595.5	595.5	595.5
25°	644.1	646.4	646.4	644.1	637.2	627.9	625.6	618.6	616.3	614.0	611.7
27.5°	674.3	671.9	674.3	674.3	665.0	660.4	653.4	648.8	646.4	641.8	639.5
30°	709.0	709.0	709.0	709.0	702.1	692.8	688.2	681.2	674.3	674.3	669.6
32.5°	755.3	757.7	757.7	755.3	748.4	739.1	734.5	725.2	722.9	718.3	713.6
35°	820.2	820.2	820.2	815.6	806.3	799.4	794.7	787.8	785.5	778.5	766.9
37.5°	892.1	892.1	896.7	892.1	882.8	873.5	866.6	861.9	855.0	850.3	843.4
40°	975.5	975.5	977.8	970.8	961.6	956.9	950.0	940.7	936.1	933.8	919.9
42.5°	1072.8	1077.4	1077.4	1070.5	1063.5	1056.6	1047.3	1040.3	1035.7	1026.4	1007.9
45°	1191.0	1188.6	1193.3	1186.3	1181.7	1179.4	1165.5	1149.2	1151.6	1130.7	1109.9
47.5°	1330.0	1332.3	1330.0	1323.0	1318.4	1316.1	1302.2	1281.3	1272.0	1255.8	1216.4
50°	1471.3	1473.6	1471.3	1466.7	1471.3	1457.4	1441.2	1422.7	1420.3	1399.5	1339.2
52.5°	1626.6	1619.6	1617.3	1615.0	1610.3	1603.4	1587.2	1566.3	1568.6	1545.5	1450.5
55°	1781.8	1774.8	1763.3	1758.6	1754.0	1742.4	1728.5	1721.5	1719.2	1696.1	1568.6
57.5°	1930.1	1918.5	1902.3	1900.0	1893.0	1876.8	1869.8	1858.3	1858.3	1832.8	1654.4
60°	2071.4	2057.5	2039.0	2029.7	2018.1	2004.2	2001.9	1995.0	1997.3	1983.4	1747.0
62.5°	2201.2	2189.6	2166.4	2152.5	2134.0	2122.4	2124.7	2120.1	2129.3	2120.1	1828.1
65°	2358.7	2344.8	2317.0	2286.9	2261.4	2242.9	2235.9	2249.8	2289.2	2298.5	1937.0
67.5°	2458.4	2446.8	2405.1	2368.0	2333.2	2307.8	2314.7	2310.1	2330.9	2368.0	1955.6
70°	2270.7	2266.0	2224.3	2201.2	2175.7	2150.2	2152.5	2145.6	2161.8	2171.1	1793.4
72.5°	1981.1	2004.2	1950.9	1948.6	1932.4	1934.7	1909.2	1927.8	1916.2	1916.2	1587.2
75°	1656.7	1608.0	1591.8	1631.2	1608.0	1610.3	1605.7	1626.6	1624.2	1626.6	1380.9
77.5°	1086.7	1096.0	1075.1	1116.8	1137.7	1172.4	1188.6	1244.2	1223.4	1218.8	1093.6
80°	486.6	498.2	500.5	539.9	565.4	600.1	588.5	627.9	602.4	560.7	535.2
82.5°	108.9	108.9	122.8	157.6	166.8	173.8	173.8	180.7	143.7	88.0	71.8
85°	74.1	71.8	97.3	132.1	139.0	134.4	129.8	120.5	83.4	25.5	20.9
87.5°	48.7	51.0	78.8	108.9	113.5	106.6	99.6	90.4	60.2	7.0	4.6
90°	32.4	37.1	60.2	83.4	83.4	78.8	71.8	60.2	37.1	2.3	2.3
92.5°	16.2	18.5	30.1	37.1	34.8	30.1	27.8	23.2	13.9	2.3	2.3
95°	9.3	9.3	13.9	13.9	13.9	11.6	11.6	9.3	4.6	2.3	2.3
97.5°	7.0	7.0	9.3	9.3	7.0	7.0	7.0	4.6	2.3	2.3	2.3
100°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	2.3	2.3	2.3	2.3
102.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
105°	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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: P691653

CATALOG NUMBER: CRTK2-C018-5TLD-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	2.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	2.3
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	2.3
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	2.3	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	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3
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	2.3	0.0	2.3	2.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	0.0	2.3	2.3
175°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3
177.5°	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3	2.3	2.3
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: P691653

CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9	722.9
2.5°	711.3	713.6	716.0	720.6	720.6	727.5	729.9	732.2	734.5	734.5
5°	692.8	695.1	702.1	706.7	713.6	718.3	725.2	727.5	729.9	732.2
7.5°	658.0	662.7	669.6	671.9	681.2	688.2	695.1	702.1	704.4	709.0
10°	623.3	625.6	627.9	634.9	639.5	648.8	658.0	662.7	667.3	667.3
12.5°	597.8	600.1	602.4	604.7	611.7	616.3	625.6	630.2	632.5	637.2
15°	581.6	581.6	586.2	586.2	590.8	597.8	602.4	609.4	611.7	616.3
17.5°	576.9	576.9	579.3	581.6	586.2	588.5	593.2	600.1	602.4	604.7
20°	579.3	581.6	581.6	583.9	588.5	590.8	595.5	597.8	600.1	602.4
22.5°	590.8	588.5	590.8	590.8	593.2	597.8	602.4	607.1	609.4	609.4
25°	607.1	604.7	604.7	609.4	611.7	614.0	621.0	623.3	625.6	625.6
27.5°	634.9	632.5	634.9	634.9	637.2	637.2	644.1	644.1	646.4	648.8
30°	662.7	655.7	655.7	655.7	658.0	662.7	665.0	669.6	671.9	671.9
32.5°	704.4	690.5	688.2	690.5	690.5	692.8	699.7	697.4	702.1	699.7
35°	757.7	743.8	739.1	739.1	739.1	739.1	746.1	741.4	746.1	743.8
37.5°	822.5	804.0	801.7	801.7	797.1	799.4	801.7	797.1	794.7	797.1
40°	892.1	859.6	857.3	859.6	859.6	859.6	859.6	857.3	855.0	857.3
42.5°	859.6	729.9	746.1	769.3	792.4	820.2	827.2	845.7	848.0	848.0
45°	750.7	421.7	444.9	479.6	493.5	502.8	528.3	567.7	579.3	581.6
47.5°	662.7	141.3	150.6	164.5	187.7	199.3	201.6	229.4	241.0	217.8
50°	655.7	32.4	23.2	23.2	25.5	20.9	20.9	23.2	23.2	23.2
52.5°	716.0	30.1	20.9	18.5	18.5	18.5	16.2	18.5	18.5	18.5
55°	778.5	30.1	20.9	18.5	18.5	18.5	16.2	16.2	16.2	16.2
57.5°	829.5	30.1	20.9	18.5	18.5	16.2	13.9	13.9	13.9	13.9
60°	889.7	30.1	20.9	18.5	18.5	13.9	11.6	11.6	11.6	11.6
62.5°	940.7	32.4	20.9	18.5	16.2	11.6	11.6	11.6	11.6	11.6
65°	1014.9	32.4	20.9	16.2	11.6	9.3	9.3	9.3	9.3	9.3
67.5°	1049.6	32.4	18.5	13.9	9.3	7.0	7.0	7.0	7.0	7.0
70°	945.3	25.5	13.9	9.3	7.0	7.0	7.0	7.0	7.0	7.0
72.5°	808.6	18.5	9.3	7.0	4.6	4.6	4.6	4.6	4.6	2.3
75°	644.1	11.6	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0
77.5°	451.8	9.3	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0
80°	187.7	7.0	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.8	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691653

CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.3	2.3	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°	2.3	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	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	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°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.3	2.3	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)