

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: P691448

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691448
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-C016-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 3995 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - G1

Input Watts (W): 42.8
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

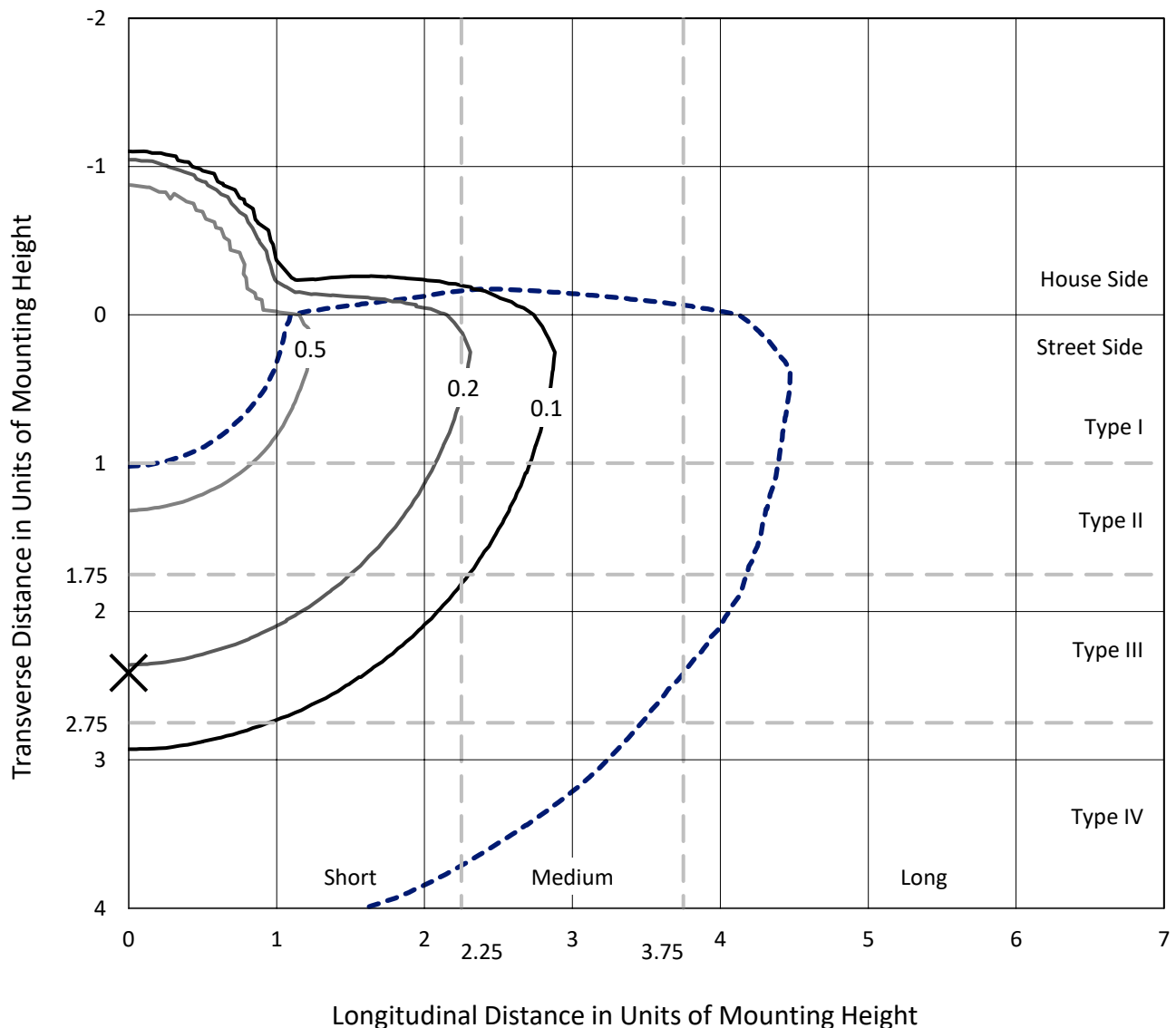


REPORT NUMBER: P691448

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

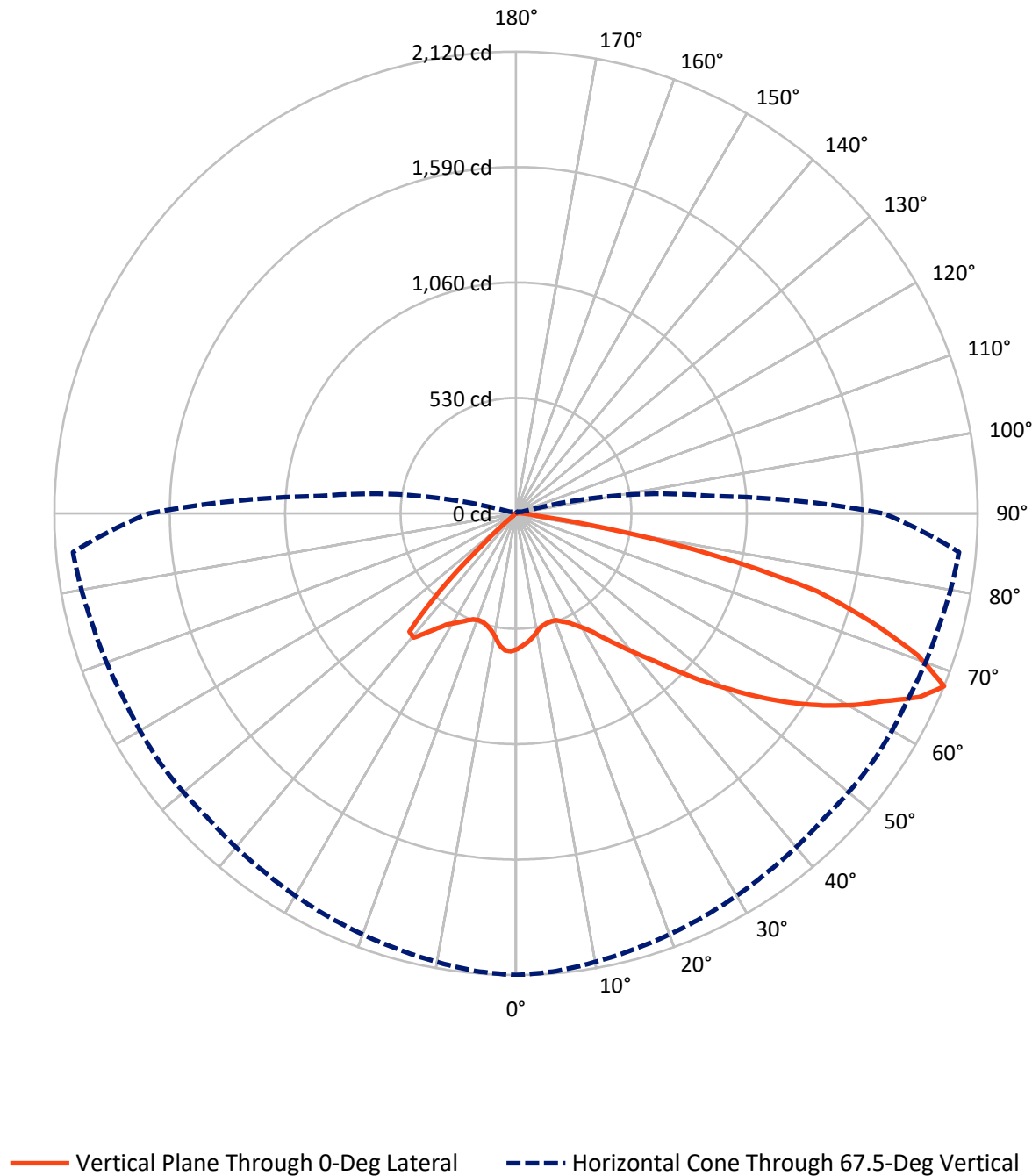


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

REPORT NUMBER: P691448

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691448

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

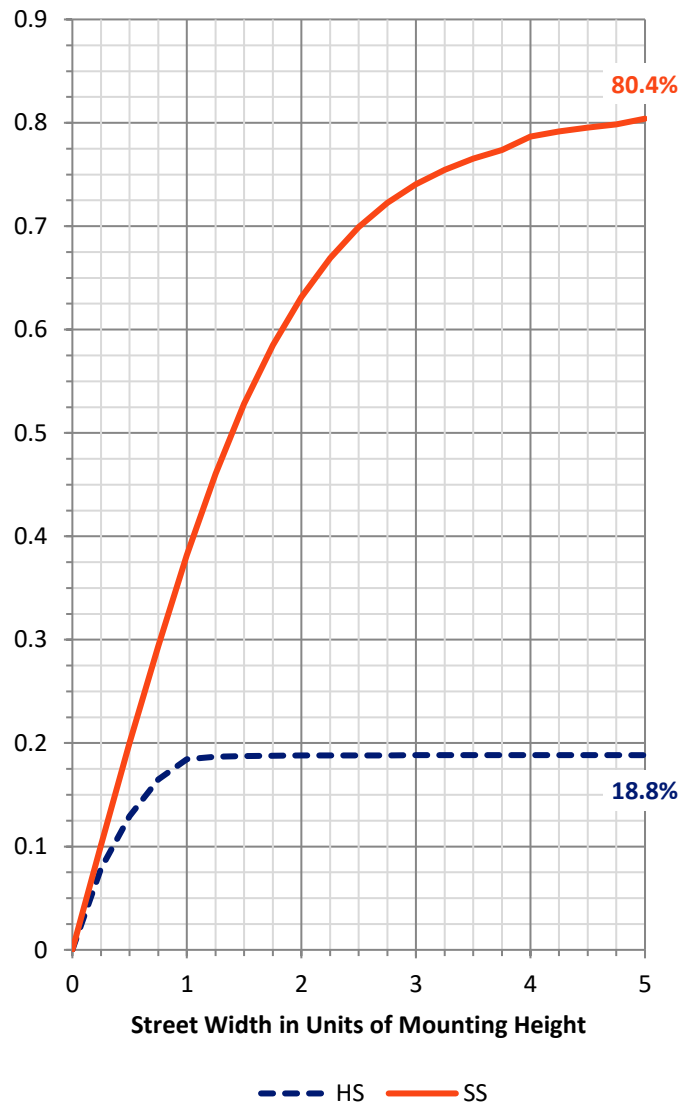
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	756.6	1.4	758.0
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	3227.9	9.1	3237.0
	% Fixture	80.8	0.2	81.0
Total	Lumens	3984.5	10.5	3995.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	1.4
10°-20°	146.7	3.7
20°-30°	251.5	6.3
30°-40°	425.2	10.6
40°-50°	567.4	14.2
50°-60°	720.5	18.0
60°-70°	1008.9	25.3
70°-80°	730.7	18.3
80°-90°	77.9	1.9
90°-100°	8.7	0.2
100°-110°	0.9	0.0
110°-120°	0.3	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	3984.5	99.7
0°-180°	3995.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691448

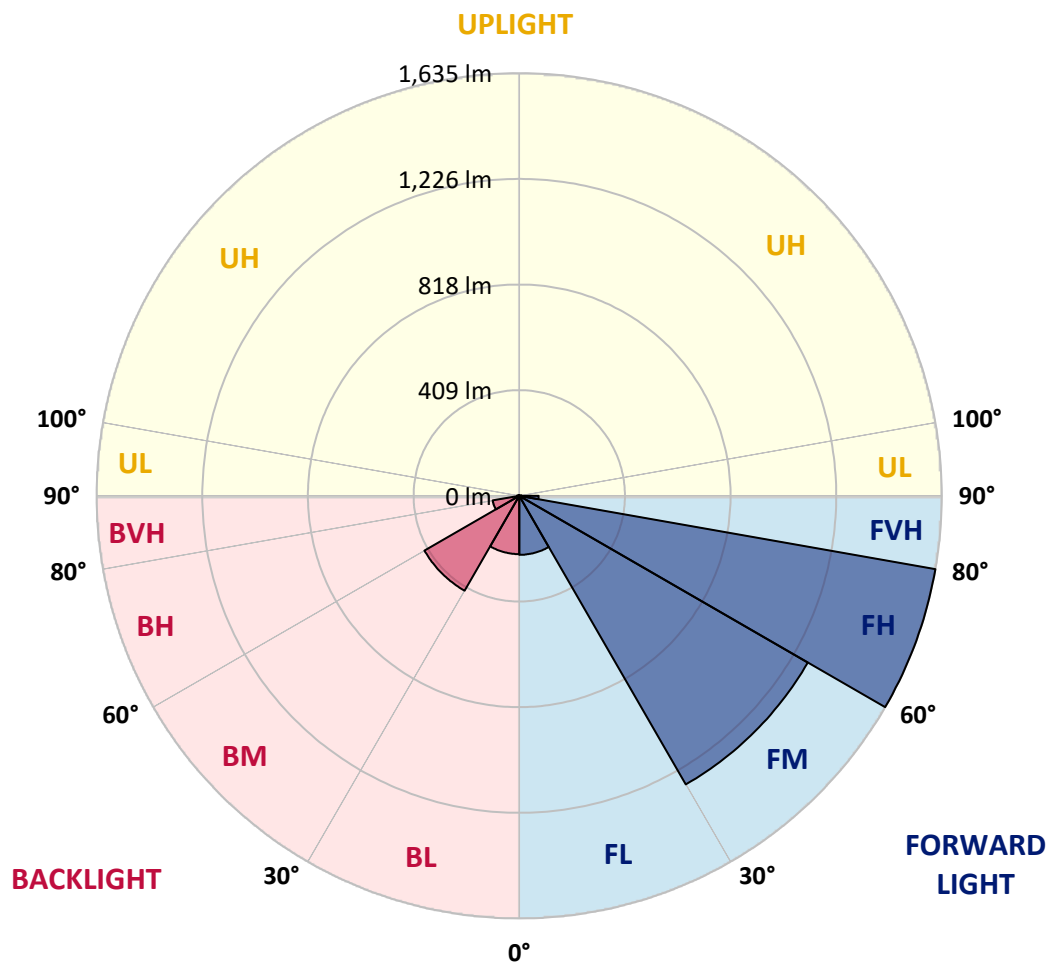
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	228.3	5.7			
FM	(30°-60°)	1289.5	32.3			
FH	(60°-80°)	1635.2	40.9			G1/1800
FVH	(80°-90°)	75.0	1.9			G1/100
BL	(0°-30°)	225.5	5.6	B1/500		
BM	(30°-60°)	423.7	10.6	B1/1000		
BH	(60°-80°)	104.5	2.6	B0/110		G0/110
BVH	(80°-90°)	2.9	0.1			G0/10
UL	(90°-100°)	8.7	0.2		U1/10	
UH	(100°-180°)	1.8	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short





REPORT NUMBER: P691448

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4
2.5°	607.4	609.4	609.4	609.4	611.4	609.4	609.4	609.4	609.4	611.4	611.4
5°	591.4	591.4	591.4	593.4	593.4	591.4	589.4	591.4	591.4	593.4	593.4
7.5°	571.4	571.4	571.4	573.4	571.4	567.4	563.4	565.4	563.4	565.4	567.4
10°	547.4	549.4	549.4	547.4	545.4	539.4	533.5	535.5	533.5	535.5	535.5
12.5°	531.5	533.5	533.5	531.5	525.5	521.5	517.5	513.5	511.5	515.5	513.5
15°	523.5	525.5	525.5	523.5	519.5	515.5	507.5	505.5	501.5	499.5	501.5
17.5°	521.5	521.5	521.5	519.5	515.5	509.5	505.5	501.5	499.5	499.5	497.5
20°	523.5	527.5	525.5	523.5	519.5	515.5	509.5	503.5	503.5	503.5	501.5
22.5°	539.4	539.4	537.4	537.4	533.5	527.5	521.5	517.5	513.5	513.5	513.5
25°	555.4	557.4	557.4	555.4	549.4	541.4	539.4	533.5	531.5	529.5	527.5
27.5°	581.4	579.4	581.4	581.4	573.4	569.4	563.4	559.4	557.4	553.4	551.4
30°	611.4	611.4	611.4	611.4	605.4	597.4	593.4	587.4	581.4	581.4	577.4
32.5°	651.3	653.3	653.3	651.3	645.3	637.3	633.4	625.4	623.4	619.4	615.4
35°	707.3	707.3	707.3	703.3	695.3	689.3	685.3	679.3	677.3	671.3	661.3
37.5°	769.2	769.2	773.2	769.2	761.2	753.2	747.2	743.2	737.2	733.2	727.3
40°	841.1	841.1	843.1	837.1	829.2	825.2	819.2	811.2	807.2	805.2	793.2
42.5°	925.1	929.0	929.0	923.1	917.1	911.1	903.1	897.1	893.1	885.1	869.1
45°	1026.9	1024.9	1028.9	1023.0	1019.0	1017.0	1005.0	991.0	993.0	975.0	957.0
47.5°	1146.8	1148.8	1146.8	1140.8	1136.8	1134.8	1122.8	1104.9	1096.9	1082.9	1048.9
50°	1268.7	1270.7	1268.7	1264.7	1268.7	1256.7	1242.7	1226.7	1224.7	1206.8	1154.8
52.5°	1402.6	1396.6	1394.6	1392.6	1388.6	1382.6	1368.6	1350.6	1352.6	1332.6	1250.7
55°	1536.4	1530.4	1520.4	1516.4	1512.4	1502.5	1490.5	1484.5	1482.5	1462.5	1352.6
57.5°	1664.3	1654.3	1640.3	1638.3	1632.3	1618.3	1612.3	1602.4	1602.4	1580.4	1426.5
60°	1786.2	1774.2	1758.2	1750.2	1740.2	1728.2	1726.2	1720.2	1722.2	1710.2	1506.5
62.5°	1898.1	1888.1	1868.1	1856.1	1840.1	1830.1	1832.1	1828.1	1836.1	1828.1	1576.4
65°	2033.9	2021.9	1998.0	1972.0	1950.0	1934.0	1928.0	1940.0	1974.0	1982.0	1670.3
67.5°	2119.8	2109.8	2073.9	2041.9	2011.9	1990.0	1996.0	1992.0	2009.9	2041.9	1686.3
70°	1958.0	1954.0	1918.0	1898.1	1876.1	1854.1	1856.1	1850.1	1864.1	1872.1	1546.4
72.5°	1708.2	1728.2	1682.3	1680.3	1666.3	1668.3	1646.3	1662.3	1652.3	1652.3	1368.6
75°	1428.5	1386.6	1372.6	1406.6	1386.6	1388.6	1384.6	1402.6	1400.6	1402.6	1190.8
77.5°	937.0	945.0	927.0	963.0	981.0	1011.0	1024.9	1072.9	1054.9	1050.9	943.0
80°	419.6	429.6	431.6	465.5	487.5	517.5	507.5	541.4	519.5	483.5	461.5
82.5°	93.9	93.9	105.9	135.9	143.9	149.8	149.8	155.8	123.9	75.9	61.9
85°	63.9	61.9	83.9	113.9	119.9	115.9	111.9	103.9	71.9	22.0	18.0
87.5°	42.0	44.0	67.9	93.9	97.9	91.9	85.9	77.9	51.9	6.0	4.0
90°	28.0	32.0	51.9	71.9	71.9	67.9	61.9	51.9	32.0	2.0	2.0
92.5°	14.0	16.0	26.0	32.0	30.0	26.0	24.0	20.0	12.0	2.0	2.0
95°	8.0	8.0	12.0	12.0	12.0	10.0	10.0	8.0	4.0	2.0	2.0
97.5°	6.0	6.0	8.0	8.0	6.0	6.0	6.0	4.0	2.0	2.0	2.0
100°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0
102.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
105°	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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: P691448

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-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	2.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0
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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0	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	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0
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	2.0	0.0	2.0	2.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	2.0	2.0
175°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0
177.5°	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0	2.0	2.0
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: P691448

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4	623.4
2.5°	613.4	615.4	617.4	621.4	621.4	627.4	629.4	631.4	633.4	633.4
5°	597.4	599.4	605.4	609.4	615.4	619.4	625.4	627.4	629.4	631.4
7.5°	567.4	571.4	577.4	579.4	587.4	593.4	599.4	605.4	607.4	611.4
10°	537.4	539.4	541.4	547.4	551.4	559.4	567.4	571.4	575.4	575.4
12.5°	515.5	517.5	519.5	521.5	527.5	531.5	539.4	543.4	545.4	549.4
15°	501.5	501.5	505.5	505.5	509.5	515.5	519.5	525.5	527.5	531.5
17.5°	497.5	497.5	499.5	501.5	505.5	507.5	511.5	517.5	519.5	521.5
20°	499.5	501.5	501.5	503.5	507.5	509.5	513.5	515.5	517.5	519.5
22.5°	509.5	507.5	509.5	509.5	511.5	515.5	519.5	523.5	525.5	525.5
25°	523.5	521.5	521.5	525.5	527.5	529.5	535.5	537.4	539.4	539.4
27.5°	547.4	545.4	547.4	547.4	549.4	549.4	555.4	555.4	557.4	559.4
30°	571.4	565.4	565.4	565.4	567.4	571.4	573.4	577.4	579.4	579.4
32.5°	607.4	595.4	593.4	595.4	595.4	597.4	603.4	601.4	605.4	603.4
35°	653.3	641.3	637.3	637.3	637.3	637.3	643.3	639.3	643.3	641.3
37.5°	709.3	693.3	691.3	691.3	687.3	689.3	691.3	687.3	685.3	687.3
40°	769.2	741.2	739.2	741.2	741.2	741.2	741.2	739.2	737.2	739.2
42.5°	741.2	629.4	643.3	663.3	683.3	707.3	713.3	729.3	731.3	731.3
45°	647.3	363.6	383.6	413.6	425.6	433.6	455.5	489.5	499.5	501.5
47.5°	571.4	121.9	129.9	141.9	161.8	171.8	173.8	197.8	207.8	187.8
50°	565.4	28.0	20.0	20.0	22.0	18.0	18.0	20.0	20.0	20.0
52.5°	617.4	26.0	18.0	16.0	16.0	16.0	14.0	16.0	16.0	16.0
55°	671.3	26.0	18.0	16.0	16.0	16.0	14.0	14.0	14.0	14.0
57.5°	715.3	26.0	18.0	16.0	16.0	14.0	12.0	12.0	12.0	12.0
60°	767.2	26.0	18.0	16.0	16.0	12.0	10.0	10.0	10.0	10.0
62.5°	811.2	28.0	18.0	16.0	14.0	10.0	10.0	10.0	10.0	10.0
65°	875.1	28.0	18.0	14.0	10.0	8.0	8.0	8.0	8.0	8.0
67.5°	905.1	28.0	16.0	12.0	8.0	6.0	6.0	6.0	6.0	6.0
70°	815.2	22.0	12.0	8.0	6.0	6.0	6.0	6.0	6.0	6.0
72.5°	697.3	16.0	8.0	6.0	4.0	4.0	4.0	4.0	4.0	2.0
75°	555.4	10.0	4.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
77.5°	389.6	8.0	4.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
80°	161.8	6.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.0	4.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691448

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	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
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	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
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	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	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
157.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.0	2.0	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)