

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: P691264

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691264
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-C015-5TLD-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: 3164 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - G1

Input Watts (W): 32.7
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

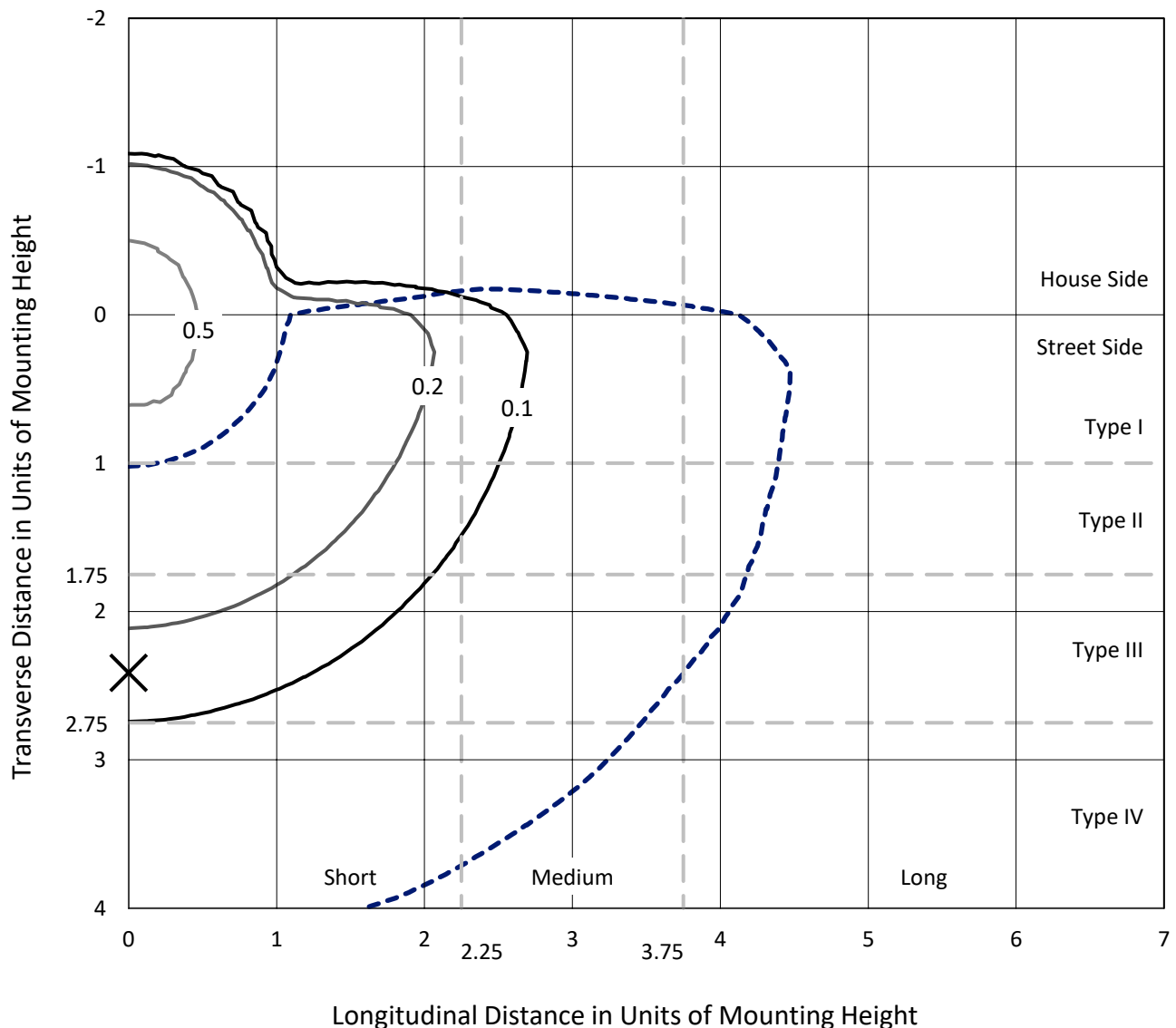


REPORT NUMBER: P691264

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

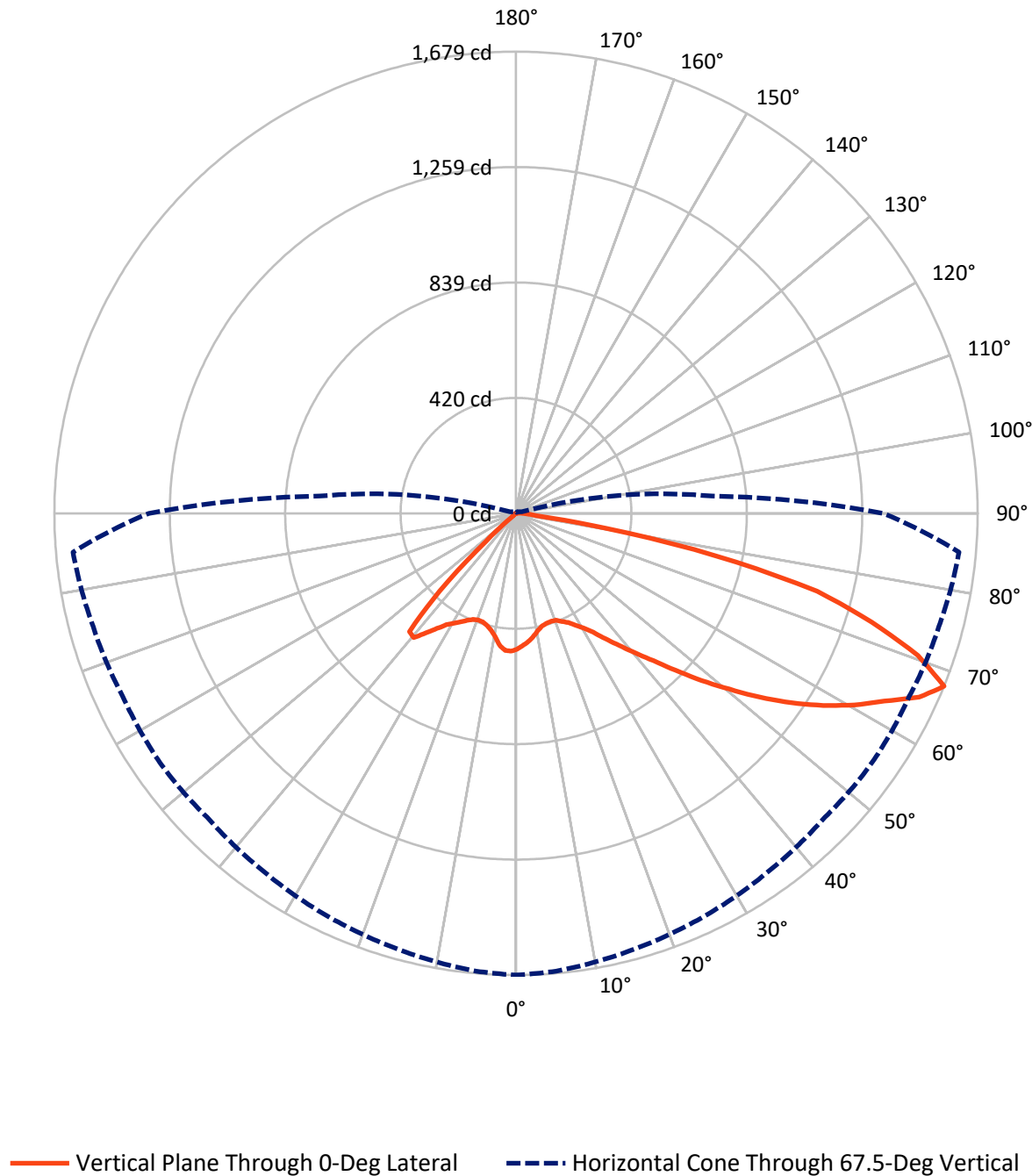


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P691264

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691264

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

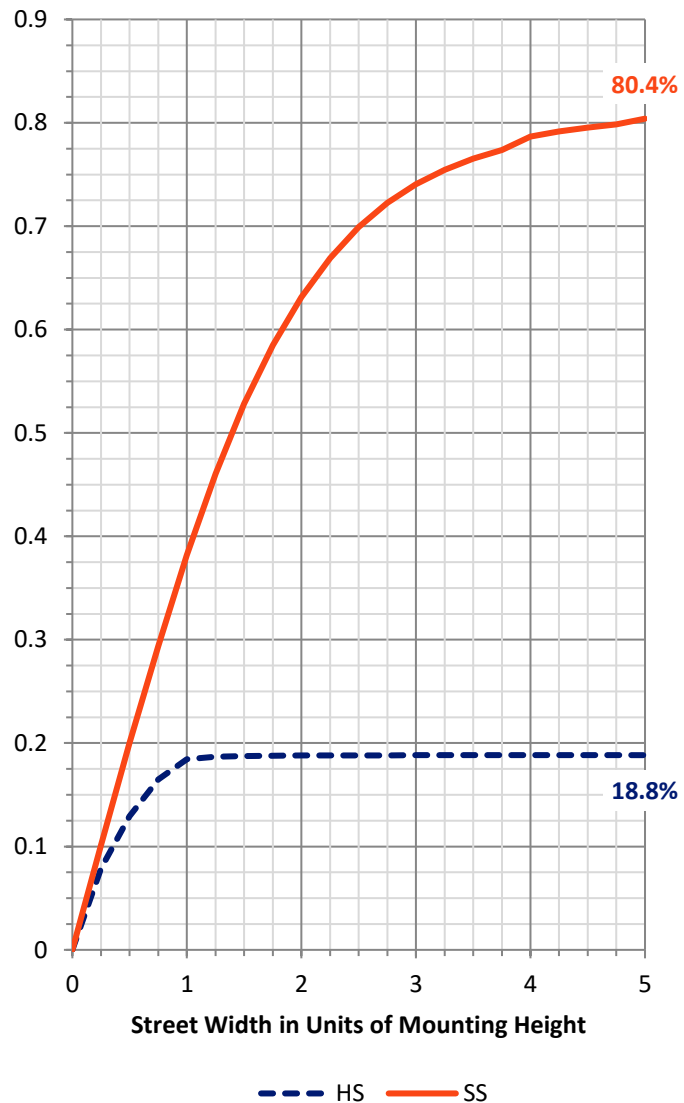
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	599.2	1.1	600.3
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	2556.5	7.2	2563.7
	% Fixture	80.8	0.2	81.0
Total	Lumens	3155.7	8.3	3164.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	1.4
10°-20°	116.1	3.7
20°-30°	199.2	6.3
30°-40°	336.8	10.6
40°-50°	449.4	14.2
50°-60°	570.6	18.0
60°-70°	799.1	25.3
70°-80°	578.7	18.3
80°-90°	61.7	1.9
90°-100°	6.9	0.2
100°-110°	0.7	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°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3155.7	99.7
0°-180°	3164.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691264

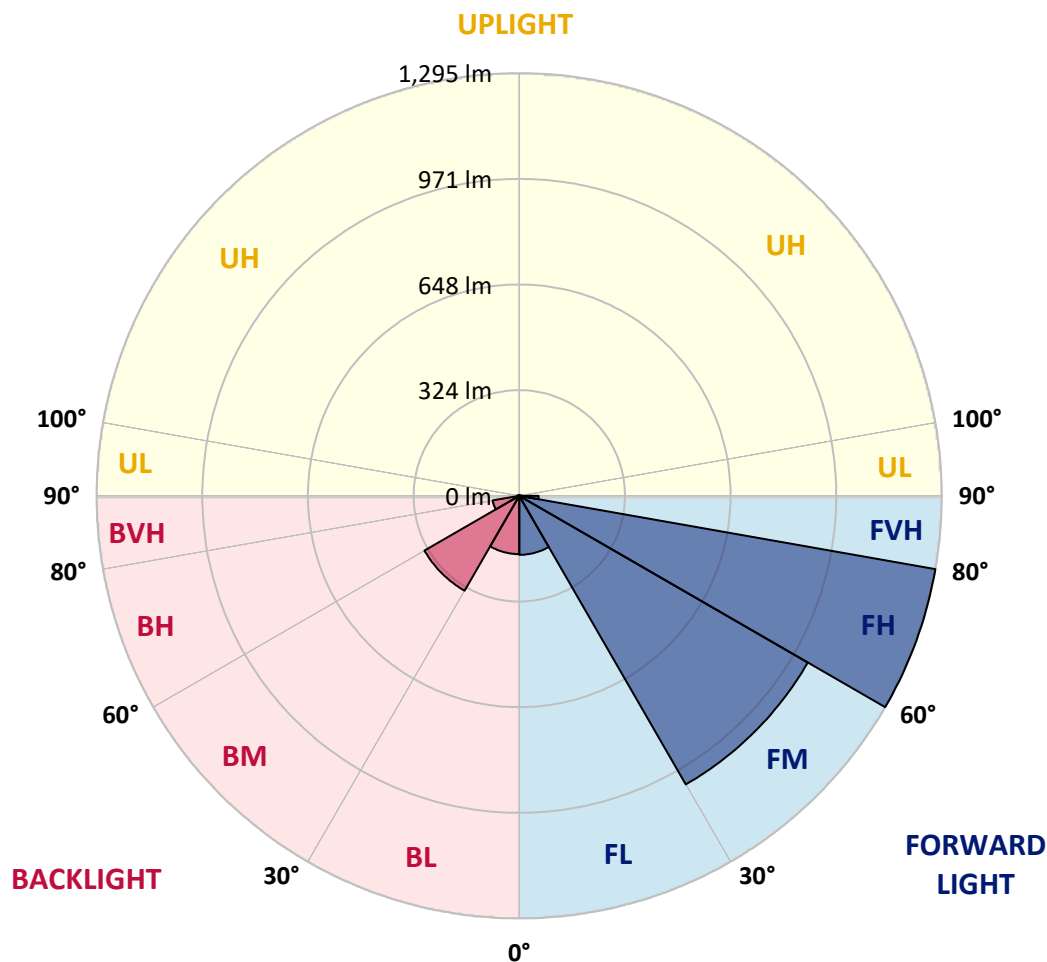
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.8	5.7			
FM	(30°-60°)	1021.2	32.3			
FH	(60°-80°)	1295.0	40.9			G1/1800
FVH	(80°-90°)	59.4	1.9			G1/100
BL	(0°-30°)	178.6	5.6	B1/500		
BM	(30°-60°)	335.5	10.6	B1/1000		
BH	(60°-80°)	82.7	2.6	B0/110		G0/110
BVH	(80°-90°)	2.3	0.1			G0/10
UL	(90°-100°)	6.9	0.2		U1/10	
UH	(100°-180°)	1.4	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short





REPORT NUMBER: P691264

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7
2.5°	481.0	482.6	482.6	482.6	484.2	482.6	482.6	482.6	482.6	484.2	484.2
5°	468.4	468.4	468.4	470.0	470.0	468.4	466.8	468.4	468.4	470.0	470.0
7.5°	452.6	452.6	452.6	454.1	452.6	449.4	446.2	447.8	446.2	447.8	449.4
10°	433.6	435.1	435.1	433.6	432.0	427.2	422.5	424.1	422.5	424.1	424.1
12.5°	420.9	422.5	422.5	420.9	416.2	413.0	409.8	406.7	405.1	408.2	406.7
15°	414.6	416.2	416.2	414.6	411.4	408.2	401.9	400.3	397.2	395.6	397.2
17.5°	413.0	413.0	413.0	411.4	408.2	403.5	400.3	397.2	395.6	395.6	394.0
20°	414.6	417.7	416.2	414.6	411.4	408.2	403.5	398.8	398.8	398.8	397.2
22.5°	427.2	427.2	425.7	425.7	422.5	417.7	413.0	409.8	406.7	406.7	406.7
25°	439.9	441.5	441.5	439.9	435.1	428.8	427.2	422.5	420.9	419.3	417.7
27.5°	460.5	458.9	460.5	460.5	454.1	451.0	446.2	443.1	441.5	438.3	436.7
30°	484.2	484.2	484.2	484.2	479.5	473.1	470.0	465.2	460.5	460.5	457.3
32.5°	515.8	517.4	517.4	515.8	511.1	504.8	501.6	495.3	493.7	490.5	487.4
35°	560.2	560.2	560.2	557.0	550.7	545.9	542.7	538.0	536.4	531.7	523.8
37.5°	609.2	609.2	612.4	609.2	602.9	596.5	591.8	588.6	583.9	580.7	576.0
40°	666.2	666.2	667.8	663.0	656.7	653.5	648.8	642.4	639.3	637.7	628.2
42.5°	732.6	735.8	735.8	731.0	726.3	721.6	715.2	710.5	707.3	701.0	688.3
45°	813.3	811.7	814.9	810.2	807.0	805.4	795.9	784.8	786.4	772.2	757.9
47.5°	908.3	909.9	908.3	903.5	900.4	898.8	889.3	875.0	868.7	857.6	830.7
50°	1004.8	1006.4	1004.8	1001.6	1004.8	995.3	984.2	971.6	970.0	955.7	914.6
52.5°	1110.8	1106.1	1104.5	1102.9	1099.7	1095.0	1083.9	1069.7	1071.3	1055.4	990.6
55°	1216.8	1212.1	1204.2	1201.0	1197.8	1189.9	1180.4	1175.7	1174.1	1158.3	1071.3
57.5°	1318.1	1310.2	1299.1	1297.5	1292.8	1281.7	1277.0	1269.1	1269.1	1251.6	1129.8
60°	1414.6	1405.1	1392.5	1386.1	1378.2	1368.7	1367.2	1362.4	1364.0	1354.5	1193.1
62.5°	1503.2	1495.3	1479.5	1470.0	1457.4	1449.4	1451.0	1447.9	1454.2	1447.9	1248.5
65°	1610.8	1601.3	1582.4	1561.8	1544.4	1531.7	1527.0	1536.5	1563.4	1569.7	1322.9
67.5°	1678.9	1671.0	1642.5	1617.2	1593.4	1576.0	1580.8	1577.6	1591.9	1617.2	1335.5
70°	1550.7	1547.5	1519.1	1503.2	1485.8	1468.4	1470.0	1465.3	1476.3	1482.7	1224.7
72.5°	1352.9	1368.7	1332.3	1330.8	1319.7	1321.3	1303.9	1316.5	1308.6	1308.6	1083.9
75°	1131.4	1098.2	1087.1	1114.0	1098.2	1099.7	1096.6	1110.8	1109.2	1110.8	943.1
77.5°	742.1	748.5	734.2	762.7	776.9	800.7	811.7	849.7	835.5	832.3	746.9
80°	332.3	340.2	341.8	368.7	386.1	409.8	401.9	428.8	411.4	382.9	365.5
82.5°	74.4	74.4	83.9	107.6	113.9	118.7	118.7	123.4	98.1	60.1	49.1
85°	50.6	49.1	66.5	90.2	94.9	91.8	88.6	82.3	57.0	17.4	14.2
87.5°	33.2	34.8	53.8	74.4	77.5	72.8	68.0	61.7	41.1	4.7	3.2
90°	22.2	25.3	41.1	57.0	57.0	53.8	49.1	41.1	25.3	1.6	1.6
92.5°	11.1	12.7	20.6	25.3	23.7	20.6	19.0	15.8	9.5	1.6	1.6
95°	6.3	6.3	9.5	9.5	9.5	7.9	7.9	6.3	3.2	1.6	1.6
97.5°	4.7	4.7	6.3	6.3	4.7	4.7	4.7	3.2	1.6	1.6	1.6
100°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6
102.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
105°	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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: P691264

CATALOG NUMBER: CRTK2-C015-5TLD-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	1.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	1.6
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	1.6
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	1.6	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	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6
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	1.6	0.0	1.6	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0	1.6	1.6
175°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6
177.5°	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6	1.6	1.6
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: P691264

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7
2.5°	485.8	487.4	488.9	492.1	492.1	496.9	498.4	500.0	501.6	501.6
5°	473.1	474.7	479.5	482.6	487.4	490.5	495.3	496.9	498.4	500.0
7.5°	449.4	452.6	457.3	458.9	465.2	470.0	474.7	479.5	481.0	484.2
10°	425.7	427.2	428.8	433.6	436.7	443.1	449.4	452.6	455.7	455.7
12.5°	408.2	409.8	411.4	413.0	417.7	420.9	427.2	430.4	432.0	435.1
15°	397.2	397.2	400.3	400.3	403.5	408.2	411.4	416.2	417.7	420.9
17.5°	394.0	394.0	395.6	397.2	400.3	401.9	405.1	409.8	411.4	413.0
20°	395.6	397.2	397.2	398.8	401.9	403.5	406.7	408.2	409.8	411.4
22.5°	403.5	401.9	403.5	403.5	405.1	408.2	411.4	414.6	416.2	416.2
25°	414.6	413.0	413.0	416.2	417.7	419.3	424.1	425.7	427.2	427.2
27.5°	433.6	432.0	433.6	433.6	435.1	435.1	439.9	439.9	441.5	443.1
30°	452.6	447.8	447.8	447.8	449.4	452.6	454.1	457.3	458.9	458.9
32.5°	481.0	471.5	470.0	471.5	471.5	473.1	477.9	476.3	479.5	477.9
35°	517.4	507.9	504.8	504.8	504.8	504.8	509.5	506.4	509.5	507.9
37.5°	561.7	549.1	547.5	547.5	544.3	545.9	547.5	544.3	542.7	544.3
40°	609.2	587.1	585.5	587.1	587.1	587.1	587.1	585.5	583.9	585.5
42.5°	587.1	498.4	509.5	525.3	541.2	560.2	564.9	577.6	579.1	579.1
45°	512.7	288.0	303.8	327.5	337.0	343.4	360.8	387.7	395.6	397.2
47.5°	452.6	96.5	102.9	112.3	128.2	136.1	137.7	156.7	164.6	148.7
50°	447.8	22.2	15.8	15.8	17.4	14.2	14.2	15.8	15.8	15.8
52.5°	488.9	20.6	14.2	12.7	12.7	12.7	11.1	12.7	12.7	12.7
55°	531.7	20.6	14.2	12.7	12.7	12.7	11.1	11.1	11.1	11.1
57.5°	566.5	20.6	14.2	12.7	12.7	11.1	9.5	9.5	9.5	9.5
60°	607.6	20.6	14.2	12.7	12.7	9.5	7.9	7.9	7.9	7.9
62.5°	642.4	22.2	14.2	12.7	11.1	7.9	7.9	7.9	7.9	7.9
65°	693.1	22.2	14.2	11.1	7.9	6.3	6.3	6.3	6.3	6.3
67.5°	716.8	22.2	12.7	9.5	6.3	4.7	4.7	4.7	4.7	4.7
70°	645.6	17.4	9.5	6.3	4.7	4.7	4.7	4.7	4.7	4.7
72.5°	552.2	12.7	6.3	4.7	3.2	3.2	3.2	3.2	3.2	1.6
75°	439.9	7.9	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0
77.5°	308.6	6.3	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0
80°	128.2	4.7	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.0	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691264

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.6	1.6	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°	1.6	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	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	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°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.6	1.6	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)