

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: P691228

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4422 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - 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

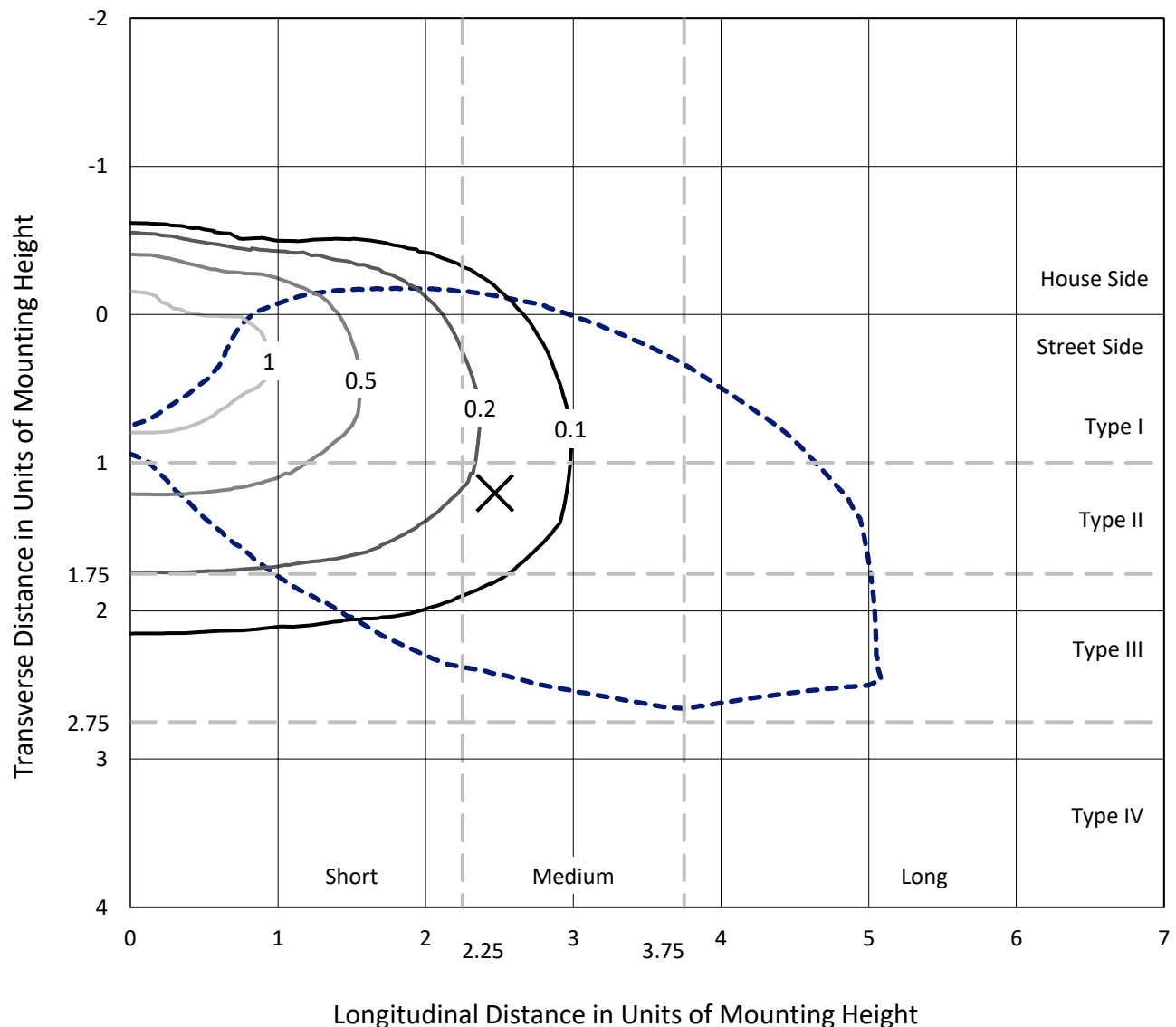


REPORT NUMBER: P691228

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

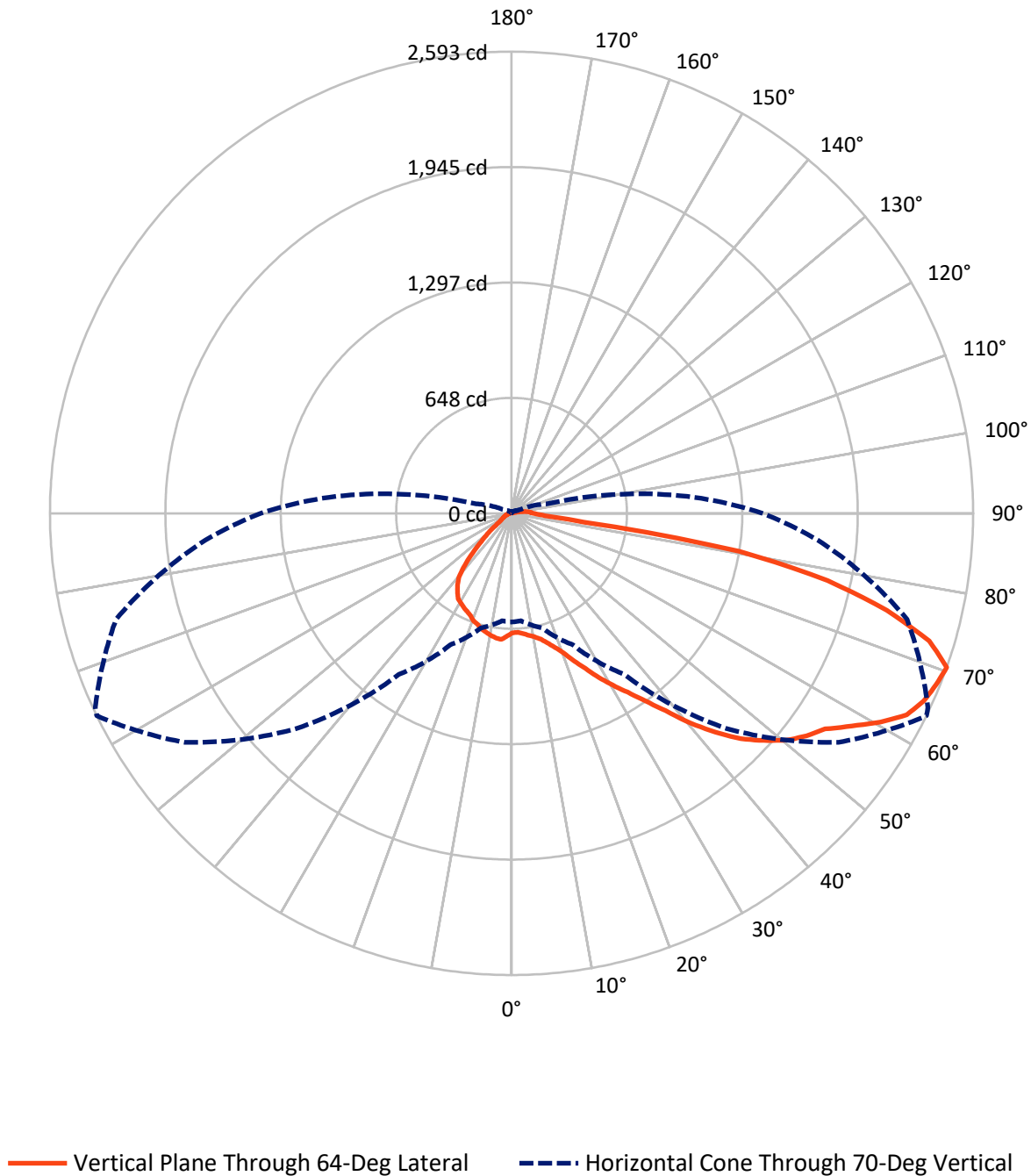


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P691228

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691228

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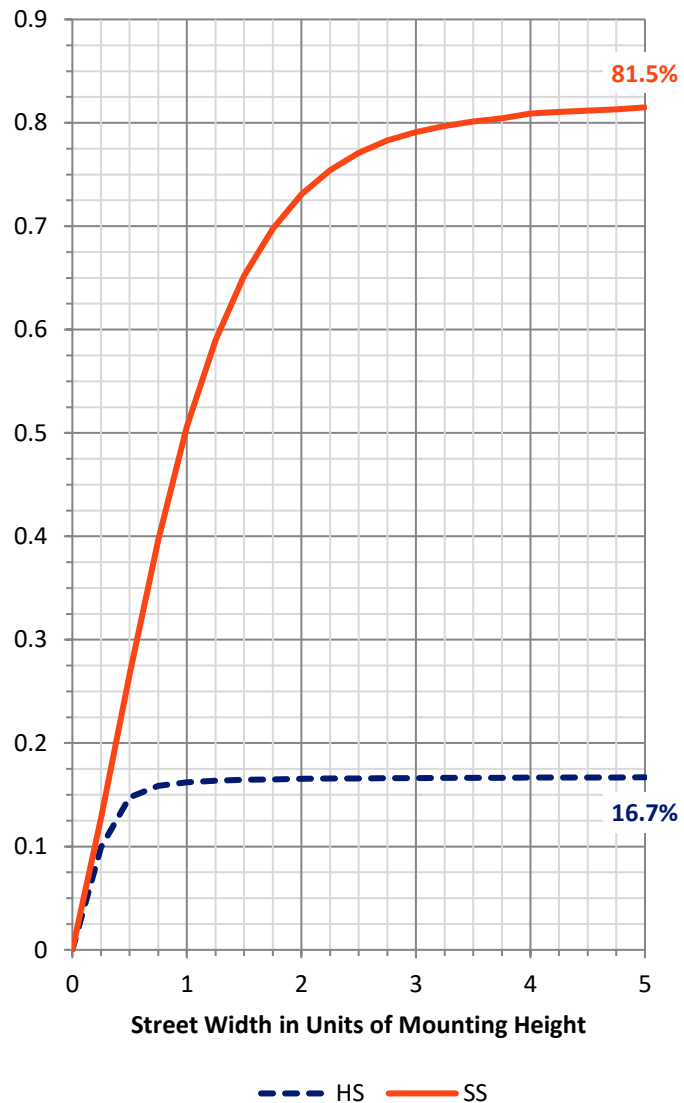
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	749.9	9.1	759.1
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	3625.6	37.3	3662.9
	% Fixture	82.0	0.8	82.8
Total	Lumens	4375.6	46.4	4422.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	1.5
10°-20°	203.8	4.6
20°-30°	352.3	8.0
30°-40°	522.8	11.8
40°-50°	718.1	16.2
50°-60°	872.1	19.7
60°-70°	926.5	21.0
70°-80°	612.1	13.8
80°-90°	101.4	2.3
90°-100°	37.8	0.9
100°-110°	6.4	0.1
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4375.6	99.0
0°-180°	4422.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691228

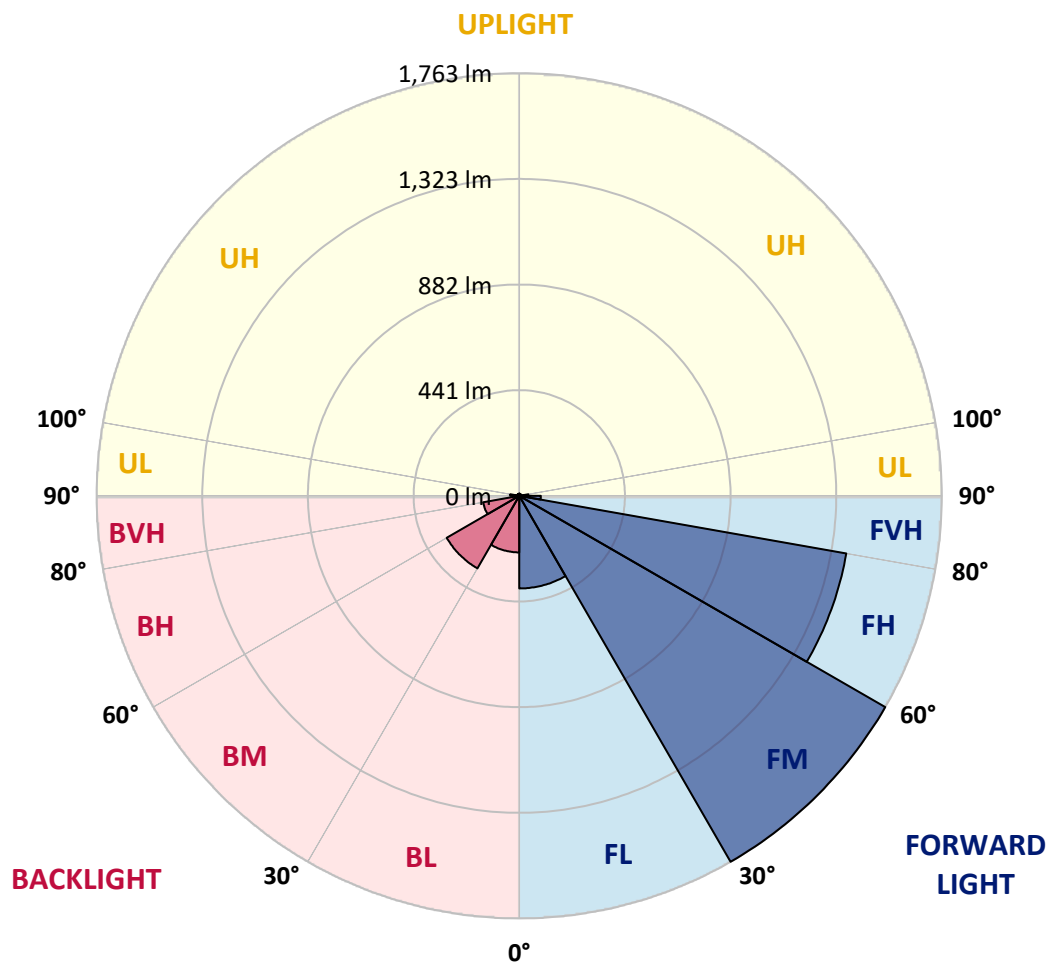
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	386.5	8.7			
FM	(30°-60°)	1763.4	39.9			
FH	(60°-80°)	1385.7	31.3			G1/1800
FVH	(80°-90°)	90.0	2.0			G1/100
BL	(0°-30°)	236.1	5.3	B1/500		
BM	(30°-60°)	349.6	7.9	B1/1000		
BH	(60°-80°)	152.9	3.5	B1/500		G1/500
BVH	(80°-90°)	11.4	0.3			G1/100
UL	(90°-100°)	37.8	0.9		U2/50	
UH	(100°-180°)	8.7	0.2		U1/10	

BUG Rating: B1-U2-G1

Type III Medium



REPORT NUMBER: P691228

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8
2.5°	675.5	674.0	675.5	674.0	672.4	670.8	669.2	669.2	667.6	669.2	670.8
5°	705.6	707.2	704.0	697.7	689.8	683.5	680.3	678.7	678.7	680.3	686.6
7.5°	727.7	726.2	724.6	723.0	716.7	702.4	694.5	691.4	691.4	688.2	699.3
10°	767.3	764.1	756.2	746.7	740.4	724.6	710.3	705.6	704.0	705.6	715.1
12.5°	810.0	806.9	805.3	795.8	773.6	759.4	735.7	724.6	724.6	724.6	729.3
15°	871.7	867.0	851.1	840.1	821.1	797.4	770.5	754.6	754.6	757.8	745.2
17.5°	916.0	912.9	911.3	892.3	876.5	840.1	819.5	792.6	792.6	798.9	772.0
20°	961.9	958.7	960.3	957.1	933.4	904.9	868.6	836.9	836.9	838.5	800.5
22.5°	1023.6	1018.8	1018.8	1017.3	1004.6	971.4	928.7	901.8	897.0	884.4	836.9
25°	1085.3	1083.7	1080.5	1082.1	1079.0	1041.0	995.1	965.1	965.1	947.7	886.0
27.5°	1147.0	1147.0	1145.4	1147.0	1145.4	1121.7	1075.8	1044.2	1045.7	1023.6	939.7
30°	1191.3	1189.7	1200.8	1205.5	1208.7	1199.2	1154.9	1120.1	1123.3	1101.1	1003.0
32.5°	1232.4	1230.8	1249.8	1260.9	1264.1	1262.5	1226.1	1197.6	1205.5	1185.0	1079.0
35°	1270.4	1268.8	1294.1	1322.6	1335.3	1332.1	1308.4	1292.5	1300.5	1298.9	1181.8
37.5°	1298.9	1303.6	1336.8	1376.4	1398.5	1400.1	1389.1	1406.5	1415.9	1447.6	1309.9
40°	1332.1	1332.1	1363.7	1406.5	1446.0	1461.8	1471.3	1550.4	1559.9	1566.2	1395.4
42.5°	1297.3	1306.8	1374.8	1438.1	1488.7	1525.1	1577.3	1680.2	1700.7	1653.3	1499.8
45°	1270.4	1278.3	1347.9	1453.9	1526.7	1594.7	1692.8	1806.7	1822.5	1740.3	1555.2
47.5°	1241.9	1254.6	1325.8	1442.8	1563.1	1680.2	1789.3	1906.4	1920.6	1814.6	1632.7
50°	1208.7	1222.9	1298.9	1427.0	1582.1	1760.8	1876.3	2002.9	2004.5	1879.5	1675.4
52.5°	1177.1	1186.5	1265.7	1406.5	1597.9	1822.5	1958.6	2075.7	2066.2	1961.8	1721.3
55°	1123.3	1142.2	1226.1	1378.0	1605.8	1857.3	2015.5	2137.4	2143.7	2050.4	1783.0
57.5°	1074.2	1086.9	1175.5	1336.8	1599.5	1877.9	2070.9	2252.9	2265.5	2129.5	1827.3
60°	1012.5	1020.4	1105.9	1279.9	1558.3	1912.7	2194.3	2381.0	2395.2	2205.4	1844.7
62.5°	935.0	935.0	1020.4	1203.9	1506.1	1938.0	2279.8	2491.7	2491.7	2265.5	1851.0
65°	835.3	840.1	916.0	1101.1	1419.1	1923.8	2305.1	2544.0	2548.7	2308.2	1847.8
67.5°	738.8	737.2	803.7	966.6	1287.8	1849.4	2286.1	2570.9	2589.8	2333.5	1806.7
70°	610.7	605.9	667.6	814.8	1104.3	1708.6	2241.8	2593.0	2580.3	2300.3	1726.0
72.5°	469.9	465.1	511.0	623.3	870.1	1466.6	2112.1	2453.8	2431.6	2120.0	1559.9
75°	333.8	327.5	363.9	438.2	572.7	1072.6	1811.5	2176.9	2151.6	1906.4	1302.0
77.5°	189.8	183.5	216.7	276.9	346.5	607.5	1371.6	1814.6	1849.4	1572.6	995.1
80°	83.8	80.7	94.9	132.9	194.6	289.5	746.7	1297.3	1249.8	1072.6	566.4
82.5°	71.2	71.2	72.8	75.9	79.1	132.9	280.0	408.2	390.8	314.8	180.4
85°	61.7	60.1	63.3	66.4	68.0	87.0	163.0	196.2	193.0	174.0	125.0
87.5°	50.6	47.5	52.2	55.4	55.4	71.2	121.8	144.0	144.0	145.5	110.7
90°	44.3	44.3	41.1	41.1	42.7	50.6	93.3	118.7	121.8	150.3	128.1
92.5°	38.0	38.0	38.0	38.0	31.6	36.4	66.4	106.0	113.9	147.1	115.5
95°	36.4	34.8	36.4	33.2	31.6	33.2	50.6	93.3	102.8	129.7	101.3
97.5°	25.3	23.7	26.9	26.9	28.5	30.1	42.7	69.6	72.8	96.5	75.9
100°	17.4	15.8	15.8	15.8	20.6	20.6	34.8	42.7	44.3	61.7	50.6
102.5°	9.5	7.9	7.9	7.9	11.1	12.7	17.4	23.7	23.7	33.2	28.5
105°	3.2	3.2	4.7	4.7	4.7	6.3	6.3	7.9	7.9	9.5	12.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6



REPORT NUMBER: P691228

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
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	1.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P691228

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8	670.8
2.5°	672.4	675.5	683.5	688.2	694.5	700.9	705.6	705.6	710.3	707.2	705.6
5°	692.9	694.5	704.0	710.3	708.8	702.4	697.7	694.5	696.1	699.3	699.3
7.5°	707.2	713.5	705.6	705.6	704.0	696.1	686.6	677.1	672.4	670.8	670.8
10°	715.1	708.8	705.6	697.7	680.3	675.5	667.6	650.2	645.5	645.5	639.2
12.5°	719.8	716.7	699.3	685.0	669.2	643.9	626.5	623.3	609.1	607.5	609.1
15°	738.8	723.0	700.9	674.0	643.9	621.8	598.0	572.7	561.6	563.2	564.8
17.5°	751.5	737.2	697.7	655.0	628.1	586.9	560.1	545.8	528.4	528.4	528.4
20°	772.0	748.3	692.9	647.1	583.8	553.7	522.1	506.3	488.9	458.8	455.6
22.5°	798.9	768.9	691.4	623.3	566.4	517.3	471.5	422.4	397.1	379.7	374.9
25°	832.2	797.4	702.4	612.3	533.2	473.0	414.5	348.1	300.6	291.1	291.1
27.5°	889.1	833.7	716.7	601.2	514.2	424.0	332.2	273.7	232.6	219.9	218.3
30°	944.5	879.6	721.4	590.1	477.8	357.5	256.3	194.6	158.2	142.4	139.2
32.5°	1031.5	942.9	762.6	580.6	436.6	287.9	181.9	123.4	93.3	83.8	82.3
35°	1120.1	1028.3	776.8	555.3	362.3	210.4	104.4	66.4	50.6	42.7	41.1
37.5°	1234.0	1135.9	819.5	528.4	287.9	120.2	58.5	36.4	31.6	31.6	31.6
40°	1300.5	1183.4	857.5	493.6	197.8	61.7	34.8	28.5	28.5	26.9	26.9
42.5°	1385.9	1241.9	890.7	425.6	104.4	38.0	30.1	26.9	23.7	23.7	23.7
45°	1434.9	1279.9	879.6	341.7	49.0	34.8	28.5	23.7	22.1	22.1	22.1
47.5°	1495.0	1327.4	855.9	253.1	42.7	31.6	26.9	22.1	20.6	22.1	22.1
50°	1555.2	1374.8	795.8	194.6	39.6	30.1	23.7	19.0	19.0	20.6	20.6
52.5°	1585.2	1408.0	724.6	134.5	39.6	28.5	22.1	19.0	17.4	17.4	17.4
55°	1620.0	1415.9	664.5	88.6	38.0	26.9	20.6	15.8	15.8	14.2	14.2
57.5°	1639.0	1395.4	620.2	74.4	36.4	25.3	19.0	14.2	12.7	11.1	11.1
60°	1631.1	1365.3	582.2	64.9	33.2	23.7	17.4	12.7	9.5	7.9	7.9
62.5°	1615.3	1340.0	512.6	57.0	31.6	20.6	14.2	11.1	7.9	6.3	6.3
65°	1597.9	1272.0	431.9	49.0	28.5	19.0	12.7	9.5	6.3	4.7	4.7
67.5°	1517.2	1181.8	316.4	44.3	26.9	17.4	11.1	7.9	6.3	4.7	4.7
70°	1411.2	1031.5	204.1	38.0	23.7	15.8	11.1	6.3	4.7	3.2	3.2
72.5°	1200.8	841.7	102.8	33.2	22.1	15.8	9.5	6.3	4.7	3.2	1.6
75°	980.9	628.1	66.4	28.5	20.6	15.8	9.5	6.3	3.2	1.6	1.6
77.5°	702.4	340.1	50.6	25.3	17.4	15.8	7.9	4.7	3.2	3.2	1.6
80°	292.7	123.4	41.1	20.6	15.8	14.2	7.9	4.7	3.2	3.2	1.6
82.5°	123.4	85.4	36.4	17.4	14.2	14.2	6.3	4.7	3.2	3.2	3.2
85°	96.5	71.2	31.6	15.8	12.7	15.8	6.3	4.7	4.7	4.7	4.7
87.5°	90.2	72.8	28.5	14.2	12.7	11.1	6.3	4.7	7.9	7.9	9.5
90°	101.3	75.9	22.1	12.7	11.1	9.5	4.7	3.2	3.2	0.0	0.0
92.5°	93.3	69.6	15.8	9.5	14.2	6.3	3.2	0.0	0.0	0.0	0.0
95°	80.7	58.5	9.5	6.3	15.8	7.9	1.6	0.0	0.0	0.0	0.0
97.5°	60.1	42.7	6.3	3.2	12.7	9.5	1.6	0.0	0.0	0.0	0.0
100°	42.7	26.9	4.7	3.2	7.9	9.5	1.6	0.0	0.0	0.0	0.0
102.5°	23.7	14.2	3.2	1.6	3.2	3.2	0.0	0.0	0.0	0.0	0.0
105°	11.1	4.7	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691228

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
132.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
135°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.6	1.6	1.6	1.6	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	0.0

(END OF REPORT)