

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: P691251

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5029.9 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G1

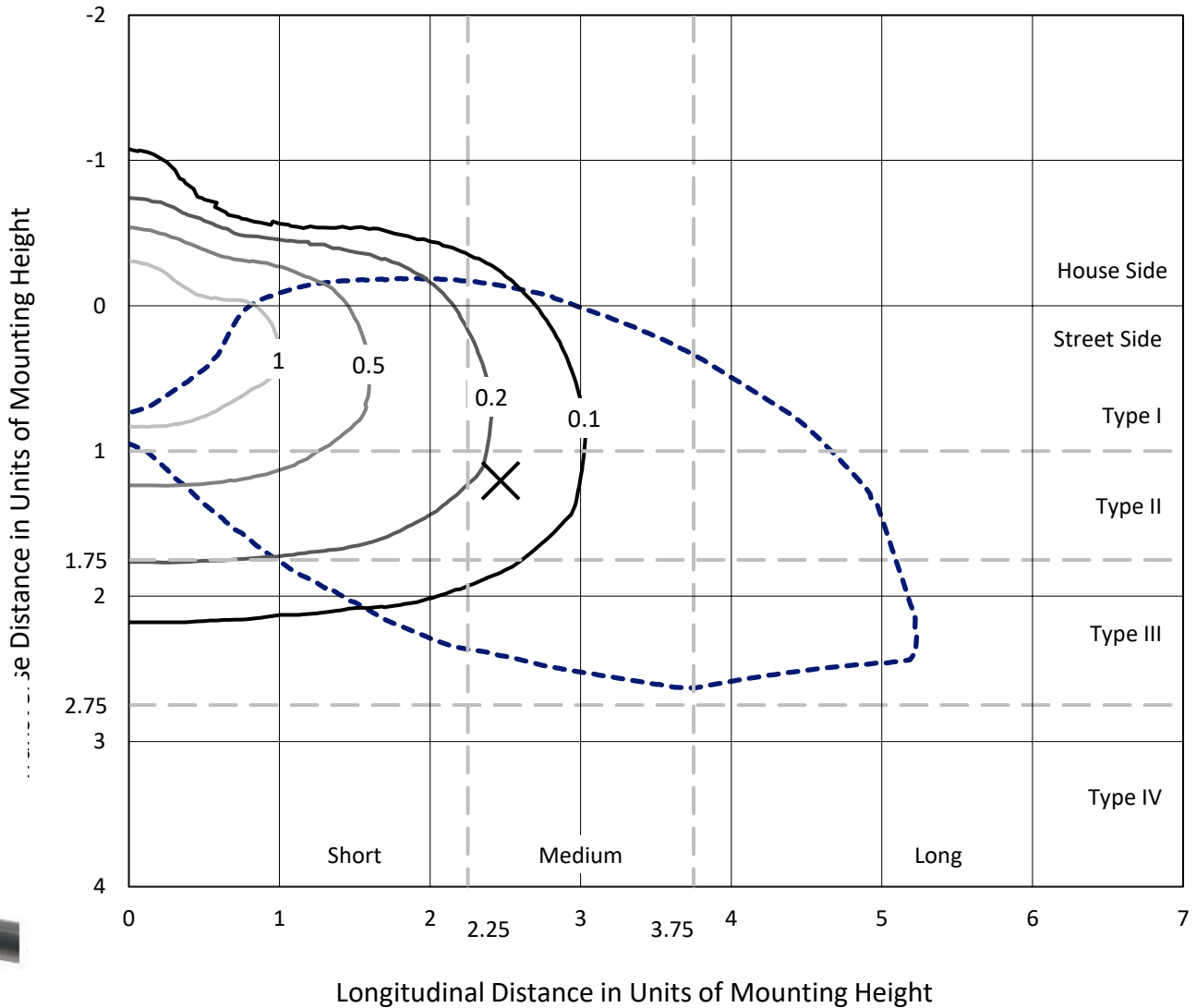
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

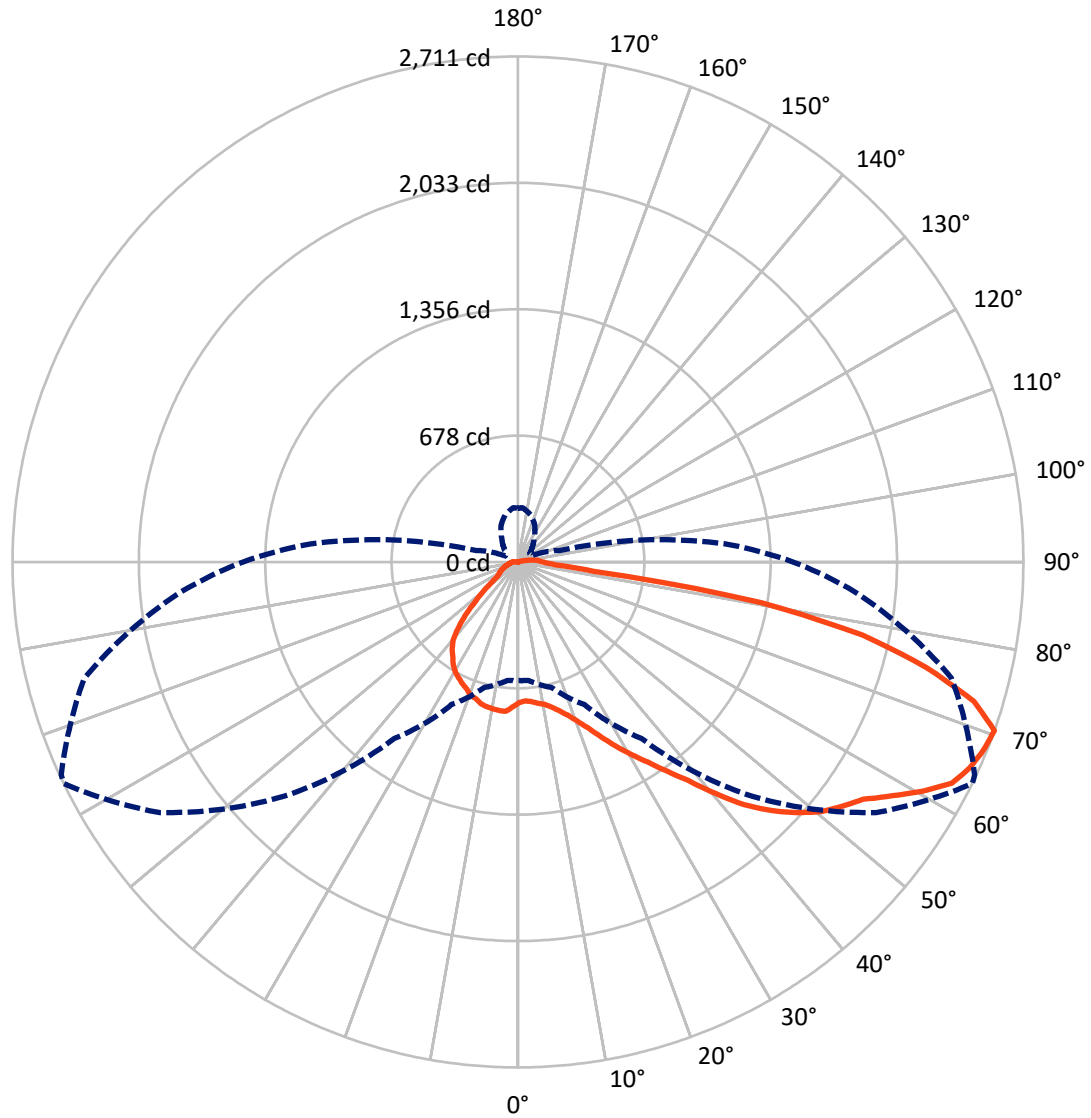
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P691251
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7050

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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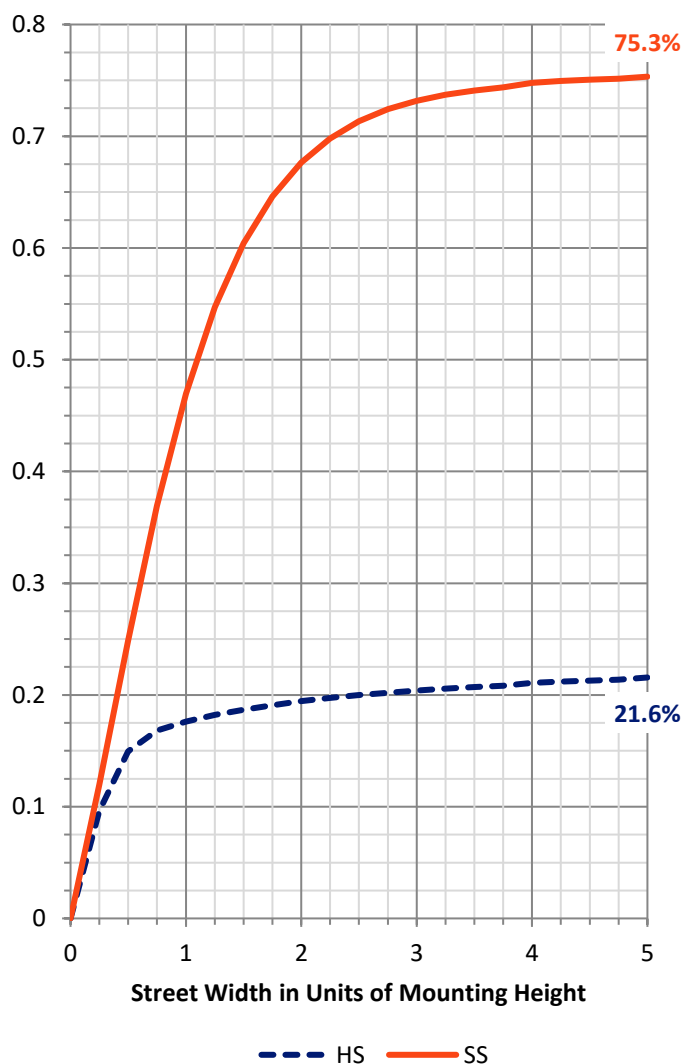
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1146.7	31.0	1177.7
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	3812.1	40.1	3852.2
	% Fixture	75.8	0.8	76.6
Total	Lumens	4958.8	71.1	5029.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	1.5
10°-20°	234.2	4.7
20°-30°	406.3	8.1
30°-40°	589.6	11.7
40°-50°	791.2	15.7
50°-60°	956.6	19.0
60°-70°	1029.8	20.5
70°-80°	707.3	14.1
80°-90°	168.8	3.4
90°-100°	61.1	1.2
100°-110°	7.7	0.2
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	4958.8	98.6
0°-180°	5029.9	100.0

Coefficient of Utilization

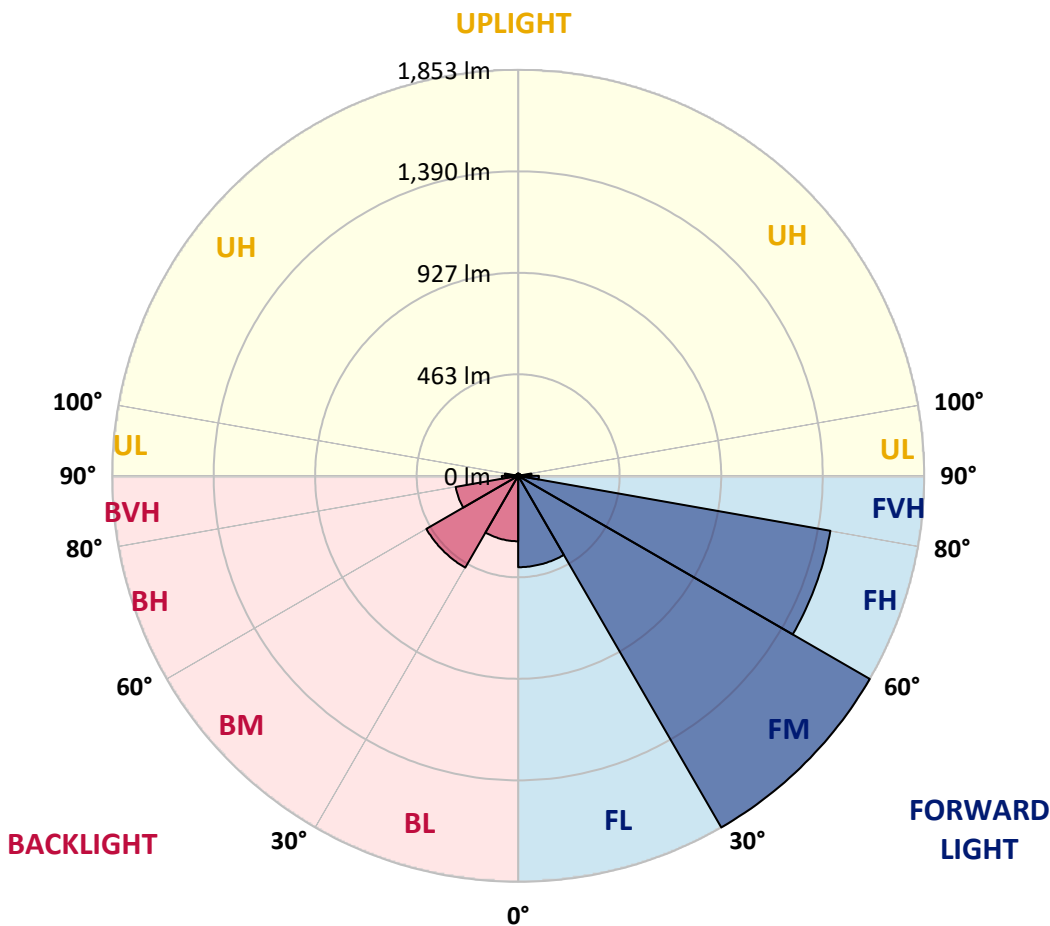


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 CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.0	8.3			
FM (30°-60°)	1853.4	36.8			
FH (60°-80°)	1447.2	28.8			G1/1800
FVH (80°-90°)	94.4	1.9			G1/100
BL (0°-30°)	298.6	5.9	B1/500		
BM (30°-60°)	483.9	9.6	B1/1000		
BH (60°-80°)	289.8	5.8	B1/500		G1/500
BVH (80°-90°)	74.4	1.5			G1/100
UL (90°-100°)	61.1	1.2		U3/500	
UH (100°-180°)	10.0	0.2		U2/50	

BUG Rating: B1-U3-G1
 Type III Medium





REPORT NUMBER: P691251

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9
2.5°	748.3	748.3	746.6	746.6	748.3	749.9	748.3	746.6	748.3	749.9	754.9
5°	778.0	776.3	774.7	768.1	761.5	756.5	753.2	751.6	753.2	759.8	771.4
7.5°	797.7	796.1	796.1	794.4	787.9	774.7	766.4	764.8	764.8	766.4	781.3
10°	839.0	835.7	829.1	817.5	810.9	794.4	779.6	776.3	776.3	779.6	797.7
12.5°	883.5	876.9	878.5	865.3	845.5	827.4	806.0	797.7	794.4	797.7	807.6
15°	944.4	939.5	926.3	911.5	891.7	867.0	840.6	827.4	825.8	830.7	822.5
17.5°	988.9	982.3	984.0	962.6	946.1	913.1	888.4	863.7	863.7	870.3	848.8
20°	1035.1	1031.8	1036.7	1031.8	1007.1	977.4	941.1	911.5	906.5	909.8	878.5
22.5°	1094.4	1089.5	1089.5	1091.1	1071.4	1041.7	998.8	969.2	967.5	954.3	911.5
25°	1155.4	1150.5	1148.8	1152.1	1148.8	1114.2	1069.7	1040.0	1035.1	1017.0	956.0
27.5°	1213.1	1213.1	1214.7	1218.0	1223.0	1195.0	1152.1	1119.2	1119.2	1099.4	1015.3
30°	1256.0	1256.0	1270.8	1277.4	1282.3	1275.7	1229.6	1198.3	1201.6	1175.2	1082.9
32.5°	1295.5	1297.2	1313.6	1330.1	1335.1	1340.0	1300.5	1280.7	1280.7	1256.0	1155.4
35°	1335.1	1335.1	1358.1	1391.1	1407.6	1402.6	1384.5	1377.9	1379.6	1374.6	1262.5
37.5°	1366.4	1369.7	1404.3	1445.5	1468.6	1476.8	1466.9	1488.4	1508.1	1523.0	1402.6
40°	1397.7	1397.7	1430.7	1475.2	1516.4	1539.4	1552.6	1633.4	1648.2	1653.2	1481.8
42.5°	1364.7	1373.0	1442.2	1508.1	1560.9	1600.4	1659.8	1780.1	1798.2	1742.2	1588.9
45°	1333.4	1343.3	1412.5	1523.0	1598.8	1677.9	1780.1	1902.1	1916.9	1832.8	1653.2
47.5°	1302.1	1313.6	1389.5	1509.8	1633.4	1763.6	1874.0	2009.2	2015.8	1907.0	1725.7
50°	1269.1	1280.7	1361.4	1494.9	1654.8	1851.0	1968.0	2106.4	2106.4	1972.9	1768.6
52.5°	1227.9	1241.1	1323.5	1471.9	1671.3	1910.3	2053.7	2177.3	2164.1	2052.0	1816.4
55°	1175.2	1193.3	1280.7	1438.9	1677.9	1941.6	2108.1	2246.5	2243.2	2149.3	1877.3
57.5°	1119.2	1134.0	1227.9	1396.1	1671.3	1963.0	2165.8	2366.9	2371.8	2233.4	1925.1
60°	1056.5	1066.4	1157.1	1336.7	1628.5	2001.0	2296.0	2495.4	2502.0	2310.8	1943.3
62.5°	974.1	980.7	1066.4	1256.0	1570.8	2025.7	2389.9	2612.4	2609.2	2380.0	1946.6
65°	870.3	878.5	959.3	1148.8	1485.1	2009.2	2413.0	2663.5	2666.8	2413.0	1941.6
67.5°	769.7	774.7	842.2	1007.1	1346.6	1930.1	2389.9	2693.2	2708.0	2441.0	1893.8
70°	636.2	637.9	697.2	843.9	1155.4	1778.4	2343.8	2711.3	2703.1	2408.1	1811.4
72.5°	489.5	491.2	535.7	646.1	898.3	1514.7	2180.6	2558.1	2543.2	2226.8	1633.4
75°	347.8	354.4	380.7	453.3	601.6	1106.0	1865.8	2264.7	2274.6	1981.2	1361.4
77.5°	197.8	204.4	225.8	283.5	346.1	619.7	1409.2	1888.9	1895.5	1666.4	1045.0
80°	85.7	87.4	95.6	135.2	184.6	296.7	721.9	1323.5	1419.1	1132.3	596.7
82.5°	72.5	72.5	75.8	79.1	80.8	135.2	280.2	410.4	423.6	334.6	194.5
85°	62.6	62.6	65.9	69.2	70.9	92.3	169.8	206.0	214.3	191.2	136.8
87.5°	49.4	49.4	54.4	57.7	57.7	75.8	126.9	153.3	158.2	153.3	122.0
90°	44.5	44.5	42.9	42.9	44.5	54.4	98.9	128.6	133.5	163.2	140.1
92.5°	37.9	39.6	39.6	39.6	34.6	39.6	70.9	113.7	123.6	161.5	126.9
95°	37.9	36.3	36.3	34.6	33.0	34.6	52.7	98.9	110.4	140.1	107.1
97.5°	26.4	24.7	26.4	28.0	29.7	31.3	44.5	72.5	80.8	108.8	79.1
100°	16.5	16.5	16.5	16.5	19.8	21.4	36.3	44.5	49.4	69.2	52.7
102.5°	9.9	8.2	8.2	8.2	9.9	13.2	18.1	24.7	26.4	39.6	31.3
105°	3.3	3.3	3.3	3.3	4.9	6.6	6.6	9.9	9.9	13.2	13.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6



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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	1.6	1.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	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	1.6	0.0	1.6	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	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	1.6	1.6	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	1.6	0.0	1.6	1.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	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: P691251

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9	754.9
2.5°	758.2	761.5	768.1	776.3	786.2	794.4	801.0	802.7	806.0	806.0	809.3
5°	774.7	781.3	791.2	802.7	807.6	804.3	804.3	806.0	809.3	817.5	820.8
7.5°	792.8	797.7	797.7	802.7	812.6	809.3	807.6	806.0	806.0	802.7	807.6
10°	799.4	792.8	801.0	799.4	796.1	802.7	804.3	794.4	796.1	796.1	797.7
12.5°	801.0	801.0	794.4	794.4	794.4	779.6	776.3	784.6	776.3	779.6	778.0
15°	819.2	806.0	797.7	787.9	774.7	769.7	758.2	745.0	745.0	748.3	748.3
17.5°	832.4	819.2	794.4	768.1	763.1	740.1	731.8	728.5	726.9	728.5	731.8
20°	852.1	832.4	791.2	764.8	721.9	713.7	698.9	697.2	693.9	682.4	679.1
22.5°	878.5	847.2	789.5	736.8	702.1	674.1	647.8	631.3	629.6	621.4	616.4
25°	908.2	876.9	796.1	723.6	665.9	624.7	603.3	565.3	547.2	553.8	550.5
27.5°	969.2	911.5	807.6	705.4	636.2	571.9	522.5	499.4	476.3	476.3	479.6
30°	1025.2	956.0	807.6	689.0	586.8	509.3	445.0	408.8	398.9	392.3	389.0
32.5°	1109.3	1012.0	842.2	665.9	540.6	428.5	356.0	313.2	314.8	321.4	319.8
35°	1206.5	1101.0	852.1	632.9	473.0	347.8	275.3	252.2	265.4	268.7	268.7
37.5°	1323.5	1209.8	896.6	606.5	402.2	257.1	217.6	207.7	219.2	217.6	224.2
40°	1387.8	1262.5	934.5	573.6	308.2	189.5	168.1	161.5	179.7	194.5	197.8
42.5°	1478.5	1325.2	970.8	511.0	209.3	138.5	128.6	150.0	176.4	192.8	194.5
45°	1527.9	1361.4	956.0	433.5	133.5	112.1	125.3	151.6	179.7	196.1	197.8
47.5°	1587.2	1409.2	929.6	337.9	107.1	110.4	126.9	154.9	184.6	199.4	199.4
50°	1646.6	1457.0	865.3	265.4	100.5	108.8	130.2	156.6	183.0	192.8	192.8
52.5°	1681.2	1498.2	789.5	192.8	98.9	108.8	131.9	158.2	181.3	186.3	186.3
55°	1712.5	1501.5	723.6	143.4	97.2	110.4	133.5	161.5	183.0	187.9	186.3
57.5°	1730.6	1480.1	677.4	123.6	95.6	110.4	135.2	164.8	196.1	207.7	204.4
60°	1720.8	1447.1	642.8	115.4	93.9	110.4	136.8	174.7	248.9	268.7	262.1
62.5°	1704.3	1424.1	570.3	105.5	90.7	110.4	138.5	197.8	276.9	286.8	278.6
65°	1682.8	1356.5	487.9	95.6	87.4	108.8	140.1	214.3	263.7	263.7	262.1
67.5°	1593.8	1265.8	364.3	85.7	82.4	108.8	143.4	211.0	253.8	275.3	275.3
70°	1475.2	1114.2	240.6	75.8	77.5	105.5	150.0	214.3	262.1	291.7	288.4
72.5°	1249.4	924.7	133.5	65.9	70.9	103.8	150.0	227.5	283.5	316.5	311.5
75°	1020.3	684.0	95.6	59.3	64.3	100.5	151.6	235.7	303.3	337.9	329.6
77.5°	718.6	392.3	75.8	51.1	57.7	95.6	150.0	232.4	313.2	344.5	334.6
80°	303.3	141.7	62.6	46.2	49.4	85.7	138.5	222.5	313.2	364.3	359.3
82.5°	136.8	100.5	54.4	41.2	46.2	70.9	128.6	214.3	303.3	365.9	395.6
85°	107.1	82.4	46.2	36.3	41.2	67.6	115.4	204.4	290.1	337.9	370.9
87.5°	102.2	82.4	41.2	33.0	37.9	57.7	89.0	189.5	260.4	311.5	337.9
90°	110.4	85.7	33.0	28.0	34.6	51.1	72.5	159.9	225.8	273.6	273.6
92.5°	102.2	79.1	24.7	21.4	36.3	41.2	69.2	98.9	163.2	136.8	169.8
95°	85.7	65.9	16.5	14.8	34.6	34.6	37.9	46.2	113.7	3.3	0.0
97.5°	62.6	47.8	9.9	8.2	26.4	28.0	18.1	21.4	46.2	0.0	0.0
100°	46.2	31.3	6.6	6.6	16.5	23.1	11.5	11.5	0.0	0.0	0.0
102.5°	24.7	16.5	4.9	3.3	8.2	13.2	4.9	3.3	0.0	0.0	0.0
105°	13.2	6.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	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	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691251
 CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7050

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	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	1.6	1.6	0.0	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	0.0	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	1.6	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)