

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: P691865

Luminaire Tested: **CRTK2-C01H-D-U-T2-8027-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T2-8027-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6372 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 70.2
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



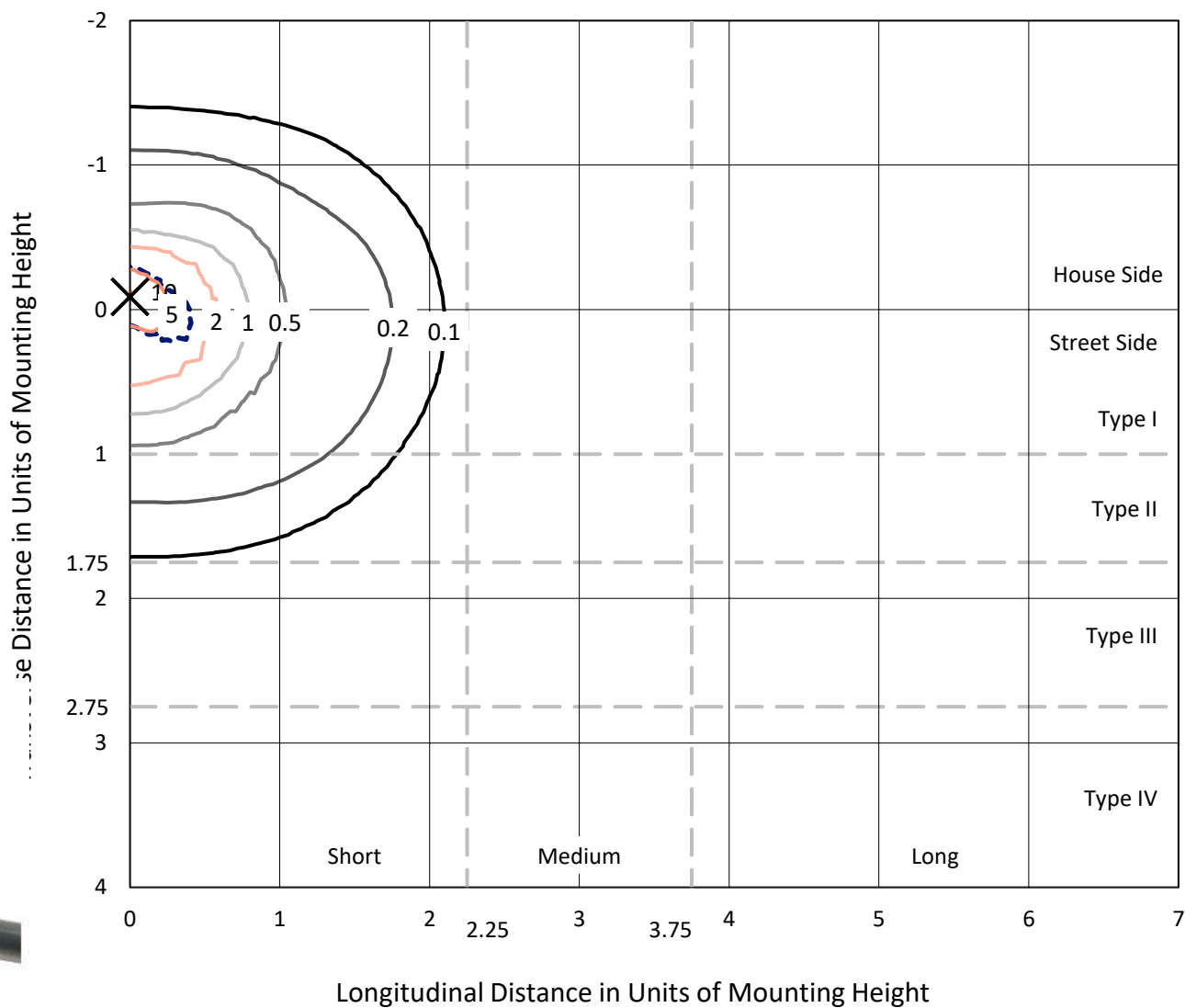
REPORT NUMBER: P691865

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-RMARROA5-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



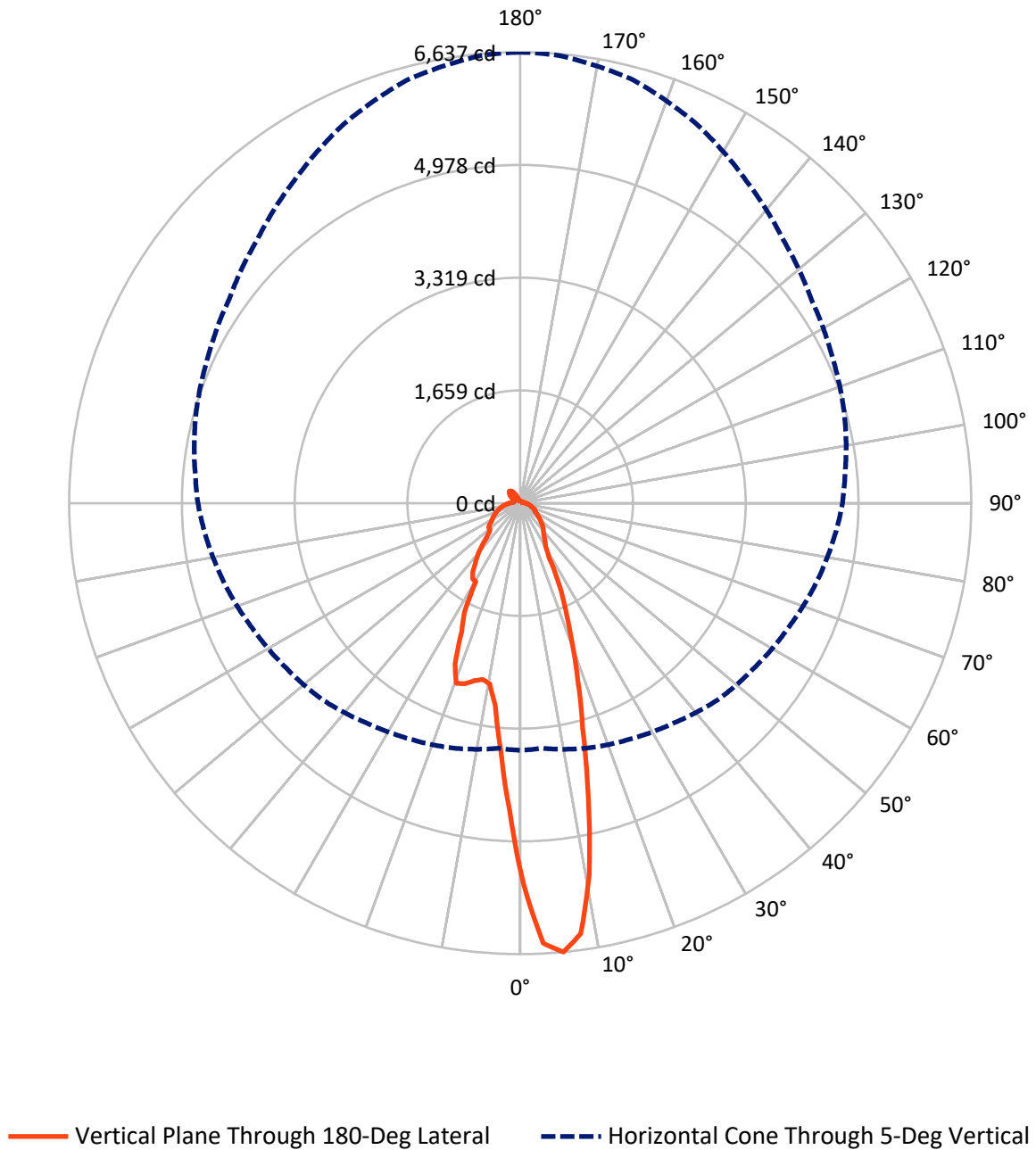
Based on 25 foot mounting height. Maximum calculated value = 10.1 fc

Type I - Short - N/A

REPORT NUMBER: P691865

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-RMARROA5-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691865

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-RMARROA5-HSS-CRTK2

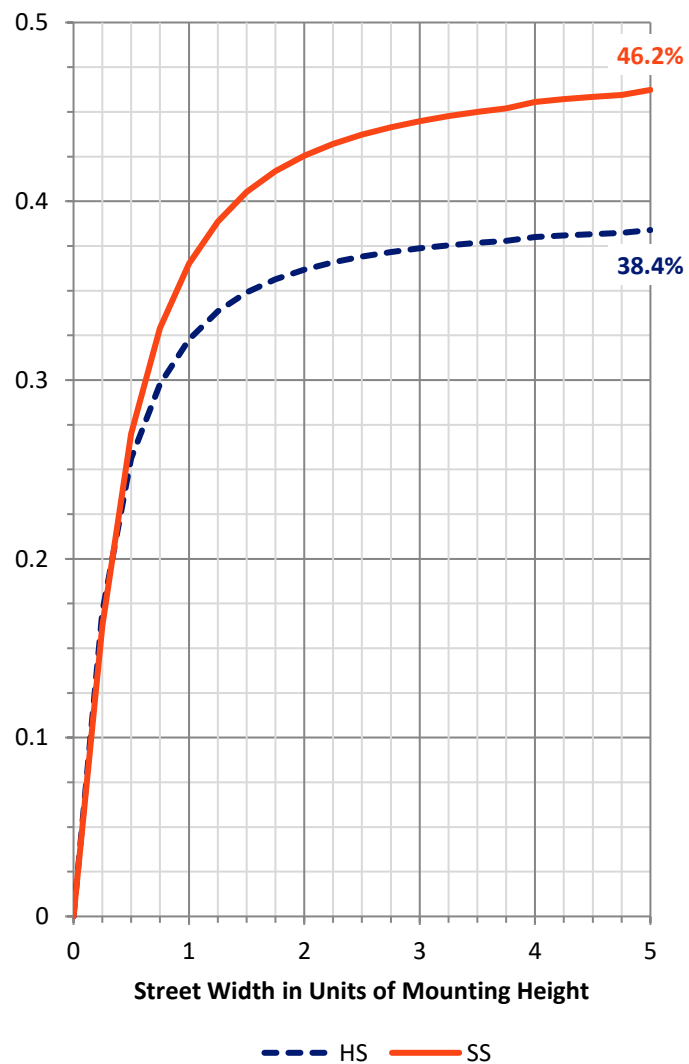
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2511.1	294.8	2806.0
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	3018.0	548.1	3566.0
	% Fixture	47.4	8.6	56.0
Total	Lumens	5529.1	842.9	6372.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.6	6.8
10°-20°	920.1	14.4
20°-30°	1001.3	15.7
30°-40°	733.0	11.5
40°-50°	616.2	9.7
50°-60°	625.8	9.8
60°-70°	532.0	8.3
70°-80°	397.0	6.2
80°-90°	270.2	4.2
90°-100°	162.3	2.5
100°-110°	93.0	1.5
110°-120°	85.6	1.3
120°-130°	124.4	2.0
130°-140°	171.1	2.7
140°-150°	141.6	2.2
150°-160°	57.6	0.9
160°-170°	7.2	0.1
170°-180°	0.0	0.0
0°-90°	5529.1	86.8
0°-180°	6372.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691865

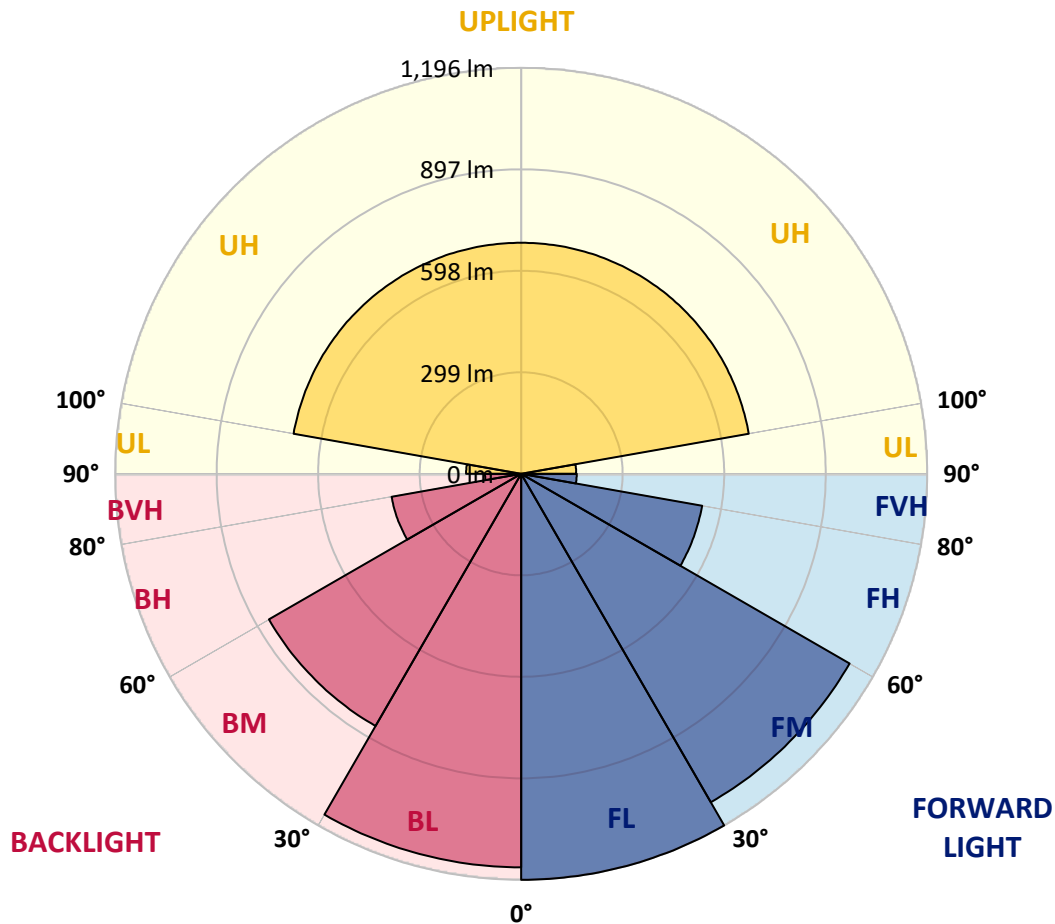
CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1195.9	18.8			
FM	(30°-60°)	1117.1	17.5			
FH	(60°-80°)	541.3	8.5			G0/660
FVH	(80°-90°)	163.6	2.6			G2/225
BL	(0°-30°)	1159.1	18.2	B3/2500		
BM	(30°-60°)	857.9	13.5	B1/1000		
BH	(60°-80°)	387.6	6.1	B1/500		G1/500
BVH	(80°-90°)	106.6	1.7			G2/225
UL	(90°-100°)	162.3	2.5		U3/500	
UH	(100°-180°)	680.6	10.7		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



REPORT NUMBER: P691865

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5
2.5°	4517.5	4509.0	4571.4	4585.6	4591.3	4656.5	4744.5	4804.1	4911.9	5016.9	5059.5
5°	3637.8	3620.8	3734.3	3830.8	3947.1	4100.4	4213.9	4350.1	4511.8	4667.9	4741.7
7.5°	2999.4	3022.1	3183.8	3382.4	3569.7	3751.3	3890.4	4006.7	4100.4	4199.7	4219.5
10°	2698.6	2718.4	2877.3	3067.5	3240.6	3425.0	3544.2	3643.5	3703.1	3776.9	3802.4
12.5°	2650.3	2664.5	2772.3	2905.7	3036.2	3203.7	3354.1	3464.7	3532.8	3592.4	3598.1
15°	2698.6	2704.2	2769.5	2857.5	2971.0	3110.0	3283.1	3408.0	3484.6	3510.1	3504.5
17.5°	2778.0	2778.0	2809.2	2883.0	2990.8	3124.2	3288.8	3416.5	3495.9	3507.3	3484.6
20°	2812.1	2817.8	2837.6	2919.9	3016.4	3138.4	3303.0	3410.8	3473.2	3442.0	3402.3
22.5°	2556.7	2545.3	2599.3	2772.3	2988.0	3206.5	3362.6	3484.6	3518.6	3413.7	3328.5
25°	2068.6	2074.3	2108.3	2193.5	2360.9	2562.4	2908.6	3280.3	3538.5	3498.8	3371.1
27.5°	1804.7	1787.7	1796.2	1810.4	1787.7	1745.1	1784.9	1776.3	1770.7	1872.8	1884.2
30°	1325.2	1328.0	1342.2	1367.7	1421.6	1501.1	1586.2	1634.5	1677.0	1756.5	1745.1
32.5°	1316.7	1319.5	1328.0	1350.7	1379.1	1433.0	1486.9	1506.8	1552.2	1617.4	1597.6
35°	1231.5	1223.0	1245.7	1265.6	1274.1	1296.8	1339.4	1367.7	1396.1	1441.5	1430.2
37.5°	1092.5	1095.3	1140.7	1171.9	1180.4	1211.7	1251.4	1274.1	1305.3	1345.0	1325.2
40°	973.3	976.1	1030.1	1064.1	1084.0	1126.5	1186.1	1214.5	1265.6	1296.8	1274.1
42.5°	837.1	848.4	885.3	925.1	936.4	962.0	1001.7	1038.6	1103.8	1146.4	1132.2
45°	698.1	703.7	729.3	769.0	786.0	814.4	851.3	885.3	936.4	970.5	967.6
47.5°	615.8	621.4	644.1	678.2	712.2	749.1	788.9	822.9	871.1	899.5	888.2
50°	581.7	587.4	615.8	655.5	698.1	746.3	794.5	831.4	876.8	893.8	879.7
52.5°	587.4	587.4	627.1	678.2	737.8	803.0	862.6	908.0	944.9	956.3	925.1
55°	556.2	564.7	607.2	678.2	769.0	871.1	973.3	1069.8	1123.7	1112.3	1052.8
57.5°	507.9	516.4	547.7	624.3	720.8	842.8	987.5	1106.7	1171.9	1180.4	1120.9
60°	479.6	485.2	513.6	573.2	658.3	757.6	888.2	984.7	1058.4	1081.1	1038.6
62.5°	454.0	459.7	482.4	527.8	590.2	666.8	740.6	803.0	862.6	885.3	868.3
65°	425.6	428.5	451.2	490.9	542.0	607.2	669.7	715.1	763.3	777.5	757.6
67.5°	397.3	400.1	420.0	456.9	505.1	564.7	612.9	664.0	712.2	723.6	709.4
70°	371.7	374.6	391.6	425.6	468.2	525.0	570.4	604.4	652.7	664.0	647.0
72.5°	346.2	349.0	366.1	397.3	437.0	488.1	527.8	561.8	601.6	604.4	590.2
75°	320.7	323.5	337.7	366.1	400.1	451.2	488.1	516.4	550.5	550.5	533.5
77.5°	292.3	297.9	309.3	334.8	366.1	414.3	448.3	476.7	505.1	502.3	485.2
80°	266.7	269.6	280.9	303.6	332.0	377.4	411.5	434.2	459.7	456.9	442.7
82.5°	238.4	241.2	249.7	272.4	297.9	340.5	374.6	397.3	420.0	414.3	400.1
85°	210.0	212.8	224.2	241.2	266.7	306.5	337.7	360.4	377.4	371.7	360.4
87.5°	187.3	187.3	195.8	212.8	235.5	272.4	300.8	323.5	337.7	334.8	323.5
90°	161.7	164.6	170.3	184.4	204.3	235.5	263.9	283.8	297.9	292.3	280.9
92.5°	141.9	141.9	147.6	161.7	178.8	207.1	232.7	249.7	261.1	258.2	249.7
95°	122.0	124.9	127.7	139.0	153.2	175.9	198.6	215.7	227.0	224.2	218.5
97.5°	107.8	110.7	113.5	119.2	133.4	147.6	167.4	181.6	193.0	190.1	184.4
100°	99.3	99.3	99.3	105.0	113.5	124.9	139.0	150.4	156.1	158.9	153.2
102.5°	90.8	90.8	93.6	93.6	99.3	105.0	113.5	122.0	124.9	124.9	124.9
105°	88.0	88.0	90.8	90.8	93.6	96.5	102.2	105.0	107.8	107.8	105.0
107.5°	88.0	88.0	88.0	88.0	90.8	93.6	96.5	99.3	99.3	99.3	96.5
110°	90.8	90.8	90.8	90.8	90.8	93.6	93.6	96.5	96.5	93.6	93.6

REPORT NUMBER: P691865

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	93.6	93.6	93.6	93.6	93.6	96.5	96.5	96.5	96.5	93.6	93.6
115°	99.3	99.3	99.3	102.2	102.2	102.2	102.2	102.2	102.2	99.3	96.5
117.5°	110.7	110.7	110.7	110.7	113.5	113.5	113.5	113.5	113.5	107.8	107.8
120°	124.9	122.0	124.9	127.7	130.5	130.5	130.5	130.5	130.5	124.9	122.0
122.5°	139.0	139.0	141.9	147.6	153.2	156.1	153.2	153.2	153.2	144.7	141.9
125°	156.1	156.1	164.6	175.9	184.4	187.3	184.4	184.4	184.4	175.9	170.3
127.5°	175.9	175.9	187.3	204.3	218.5	227.0	224.2	224.2	224.2	210.0	201.5
130°	195.8	195.8	212.8	235.5	258.2	263.9	266.7	269.6	269.6	252.5	241.2
132.5°	210.0	212.8	232.7	263.9	292.3	300.8	309.3	312.1	312.1	292.3	275.2
135°	224.2	227.0	252.5	289.4	320.7	340.5	349.0	351.9	354.7	332.0	312.1
137.5°	232.7	235.5	263.9	306.5	337.7	363.2	383.1	388.8	388.8	363.2	337.7
140°	232.7	235.5	266.7	306.5	340.5	371.7	394.4	405.8	405.8	380.2	357.5
142.5°	227.0	232.7	261.1	300.8	334.8	366.1	391.6	402.9	402.9	380.2	357.5
145°	215.7	218.5	246.9	280.9	315.0	351.9	380.2	391.6	391.6	368.9	346.2
147.5°	195.8	198.6	221.3	252.5	286.6	323.5	351.9	366.1	363.2	343.4	323.5
150°	170.3	170.3	190.1	215.7	249.7	283.8	312.1	326.3	326.3	306.5	289.4
152.5°	139.0	139.0	153.2	173.1	201.5	235.5	258.2	272.4	272.4	258.2	244.0
155°	107.8	107.8	119.2	133.4	156.1	181.6	198.6	212.8	212.8	201.5	190.1
157.5°	76.6	76.6	88.0	99.3	116.3	136.2	150.4	158.9	161.7	150.4	144.7
160°	51.1	51.1	56.8	65.3	79.5	93.6	102.2	110.7	113.5	105.0	102.2
162.5°	28.4	28.4	31.2	39.7	48.2	56.8	65.3	70.9	70.9	68.1	65.3
165°	8.5	8.5	11.4	14.2	19.9	25.5	28.4	31.2	34.1	34.1	31.2
167.5°	0.0	0.0	2.8	2.8	2.8	2.8	5.7	5.7	8.5	8.5	8.5
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	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	0.0

REPORT NUMBER: P691865

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5	5601.5
2.5°	5147.4	5306.3	5479.4	5646.9	5851.2	6064.0	6259.8	6393.1	6464.1	6486.8	6486.8
5°	4798.4	4943.1	5070.8	5229.7	5476.6	5797.2	6151.9	6447.1	6614.5	6634.3	6637.2
7.5°	4253.6	4372.8	4506.1	4648.0	4866.5	5153.1	5621.3	6098.0	6370.4	6421.5	6401.7
10°	3808.1	3881.9	3961.3	4015.2	4168.5	4381.3	4699.1	5167.3	5502.1	5541.9	5570.2
12.5°	3600.9	3612.3	3589.6	3600.9	3652.0	3751.3	3907.4	4177.0	4395.5	4432.4	4452.2
15°	3495.9	3439.2	3348.4	3263.3	3217.9	3226.4	3260.4	3371.1	3408.0	3470.4	3442.0
17.5°	3447.7	3320.0	3178.1	3013.5	2911.4	2806.4	2749.6	2729.8	2715.6	2718.4	2744.0
20°	3325.7	3181.0	2954.0	2738.3	2573.7	2429.0	2307.0	2219.0	2170.8	2148.1	2165.1
22.5°	3198.0	2973.8	2707.1	2474.4	2238.9	2054.4	1915.4	1787.7	1716.8	1736.6	1713.9
25°	3200.8	2866.0	2548.2	2241.7	2020.4	1776.3	1555.0	1421.6	1305.3	1328.0	1359.2
27.5°	2017.5	1929.6	1702.6	1523.8	1302.5	1180.4	1069.8	976.1	910.9	913.7	905.2
30°	1711.1	1620.3	1506.8	1364.9	1197.5	1055.6	927.9	820.1	757.6	740.6	737.8
32.5°	1580.6	1503.9	1398.9	1259.9	1106.7	964.8	837.1	737.8	675.4	672.5	672.5
35°	1407.5	1336.5	1248.6	1129.4	998.8	868.3	749.1	664.0	612.9	612.9	610.1
37.5°	1299.6	1237.2	1152.1	1041.4	925.1	794.5	689.5	612.9	559.0	556.2	559.0
40°	1242.9	1177.6	1095.3	990.3	874.0	749.1	649.8	570.4	530.6	527.8	525.0
42.5°	1129.4	1078.3	1007.4	910.9	808.7	698.1	604.4	533.5	499.4	496.6	499.4
45°	959.1	922.2	874.0	803.0	717.9	624.3	542.0	488.1	454.0	454.0	454.0
47.5°	879.7	845.6	791.7	720.8	647.0	559.0	490.9	445.5	414.3	414.3	414.3
50°	859.8	817.2	746.3	666.8	587.4	510.8	448.3	402.9	380.2	377.4	380.2
52.5°	888.2	822.9	726.4	632.8	544.8	471.0	411.5	368.9	346.2	346.2	346.2
55°	990.3	871.1	743.5	624.3	519.3	437.0	377.4	334.8	312.1	309.3	312.1
57.5°	1058.4	908.0	749.1	615.8	502.3	414.3	349.0	303.6	280.9	278.1	280.9
60°	998.8	876.8	723.6	593.1	488.1	397.3	329.2	283.8	261.1	258.2	258.2
62.5°	828.6	757.6	647.0	536.3	451.2	371.7	309.3	266.7	244.0	241.2	244.0
65°	734.9	672.5	576.0	488.1	414.3	346.2	292.3	255.4	232.7	232.7	232.7
67.5°	683.9	627.1	536.3	451.2	383.1	320.7	269.6	235.5	215.7	215.7	215.7
70°	624.3	567.5	485.2	408.6	346.2	292.3	246.9	212.8	195.8	193.0	195.8
72.5°	573.2	516.4	439.8	368.9	312.1	263.9	224.2	193.0	178.8	175.9	178.8
75°	516.4	462.5	388.8	326.3	278.1	235.5	201.5	173.1	161.7	158.9	158.9
77.5°	468.2	417.1	349.0	292.3	249.7	210.0	178.8	158.9	147.6	144.7	144.7
80°	425.6	377.4	312.1	261.1	221.3	187.3	161.7	141.9	130.5	130.5	130.5
82.5°	380.2	337.7	278.1	229.8	195.8	167.4	141.9	124.9	116.3	116.3	116.3
85°	343.4	300.8	244.0	204.3	170.3	144.7	124.9	110.7	102.2	102.2	102.2
87.5°	303.6	266.7	215.7	178.8	150.4	127.7	107.8	93.6	90.8	88.0	88.0
90°	263.9	229.8	184.4	153.2	127.7	107.8	90.8	79.5	76.6	73.8	73.8
92.5°	235.5	204.3	167.4	139.0	116.3	96.5	85.1	73.8	70.9	70.9	68.1
95°	204.3	178.8	147.6	124.9	105.0	90.8	79.5	70.9	68.1	68.1	65.3
97.5°	175.9	153.2	130.5	113.5	96.5	85.1	73.8	68.1	62.4	62.4	62.4
100°	147.6	130.5	113.5	96.5	88.0	76.6	68.1	62.4	59.6	56.8	56.8
102.5°	119.2	107.8	93.6	85.1	73.8	65.3	59.6	53.9	51.1	51.1	51.1
105°	102.2	93.6	85.1	76.6	68.1	59.6	53.9	48.2	45.4	45.4	45.4
107.5°	93.6	88.0	79.5	70.9	65.3	56.8	51.1	42.6	39.7	42.6	42.6
110°	90.8	85.1	76.6	70.9	62.4	56.8	51.1	39.7	36.9	39.7	39.7

REPORT NUMBER: P691865

CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	90.8	85.1	79.5	70.9	65.3	56.8	51.1	39.7	36.9	36.9	36.9
115°	93.6	90.8	82.3	76.6	68.1	59.6	51.1	39.7	36.9	36.9	36.9
117.5°	105.0	99.3	90.8	82.3	73.8	62.4	53.9	39.7	36.9	36.9	36.9
120°	116.3	110.7	102.2	90.8	79.5	68.1	56.8	39.7	34.1	36.9	36.9
122.5°	136.2	127.7	116.3	102.2	88.0	73.8	56.8	42.6	31.2	36.9	36.9
125°	161.7	150.4	133.4	113.5	96.5	79.5	59.6	42.6	34.1	36.9	36.9
127.5°	190.1	175.9	153.2	127.7	105.0	82.3	62.4	42.6	34.1	34.1	36.9
130°	227.0	204.3	173.1	141.9	113.5	88.0	62.4	42.6	34.1	34.1	34.1
132.5°	258.2	229.8	190.1	153.2	119.2	90.8	62.4	42.6	31.2	31.2	31.2
135°	289.4	252.5	204.3	161.7	124.9	90.8	62.4	39.7	31.2	31.2	31.2
137.5°	315.0	266.7	215.7	164.6	124.9	88.0	59.6	36.9	28.4	28.4	28.4
140°	329.2	275.2	218.5	164.6	119.2	85.1	53.9	34.1	25.5	25.5	25.5
142.5°	329.2	272.4	215.7	158.9	113.5	79.5	48.2	28.4	22.7	22.7	22.7
145°	317.8	261.1	204.3	150.4	105.0	70.9	42.6	25.5	17.0	17.0	19.9
147.5°	297.9	241.2	187.3	136.2	93.6	59.6	36.9	19.9	14.2	14.2	14.2
150°	263.9	212.8	161.7	119.2	79.5	51.1	31.2	17.0	11.4	11.4	11.4
152.5°	221.3	175.9	136.2	99.3	65.3	39.7	22.7	14.2	8.5	8.5	8.5
155°	175.9	139.0	107.8	76.6	48.2	31.2	17.0	11.4	8.5	8.5	8.5
157.5°	130.5	105.0	79.5	56.8	36.9	22.7	14.2	8.5	5.7	5.7	5.7
160°	90.8	73.8	53.9	36.9	22.7	14.2	8.5	5.7	2.8	2.8	2.8
162.5°	59.6	45.4	34.1	22.7	14.2	8.5	5.7	2.8	2.8	2.8	2.8
165°	28.4	22.7	17.0	11.4	5.7	5.7	2.8	2.8	0.0	0.0	0.0
167.5°	8.5	5.7	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	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	0.0

(END OF REPORT)