

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: P691974

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9569.1 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - G3

Input Watts (W): 79
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



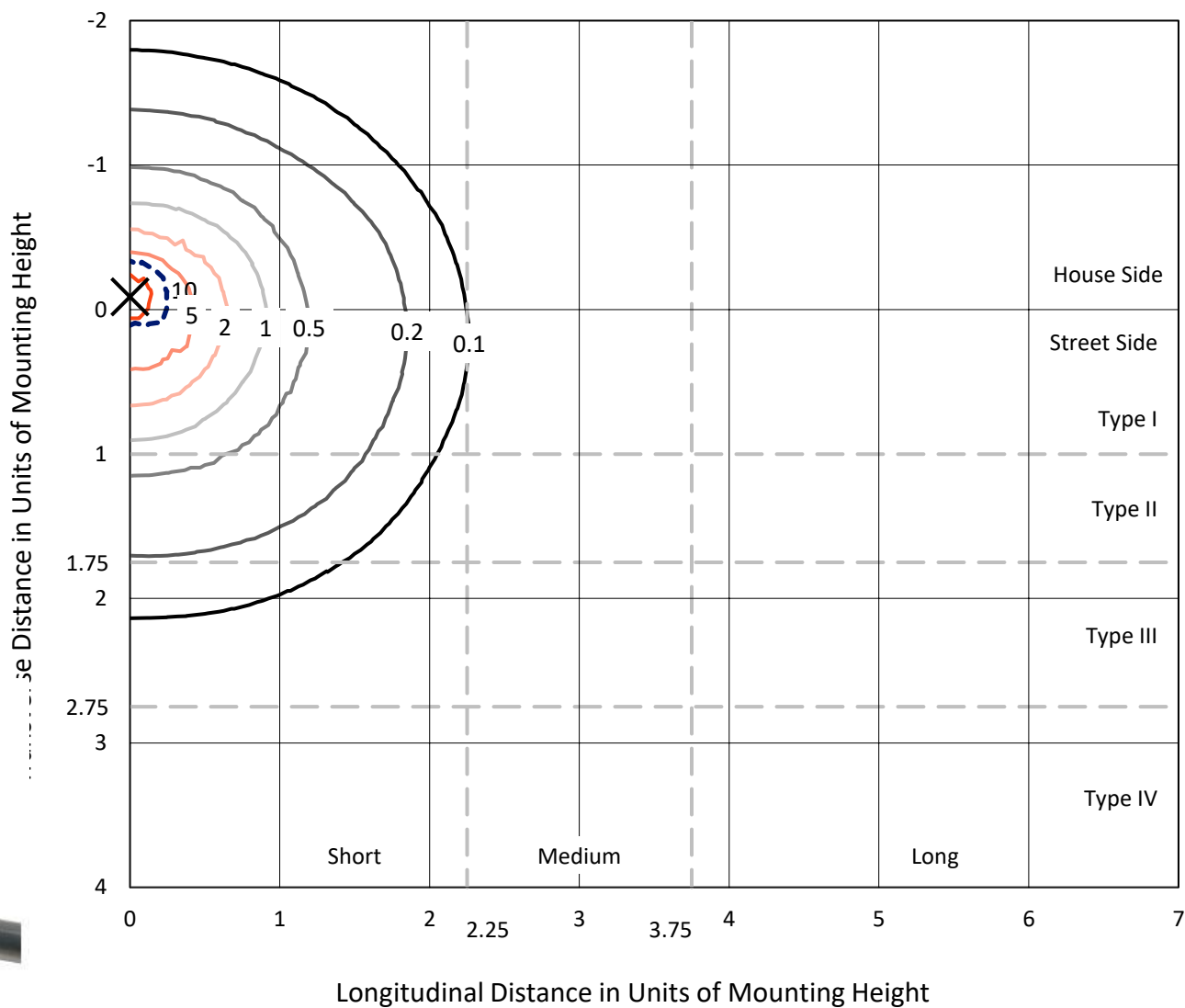
REPORT NUMBER: P691974

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

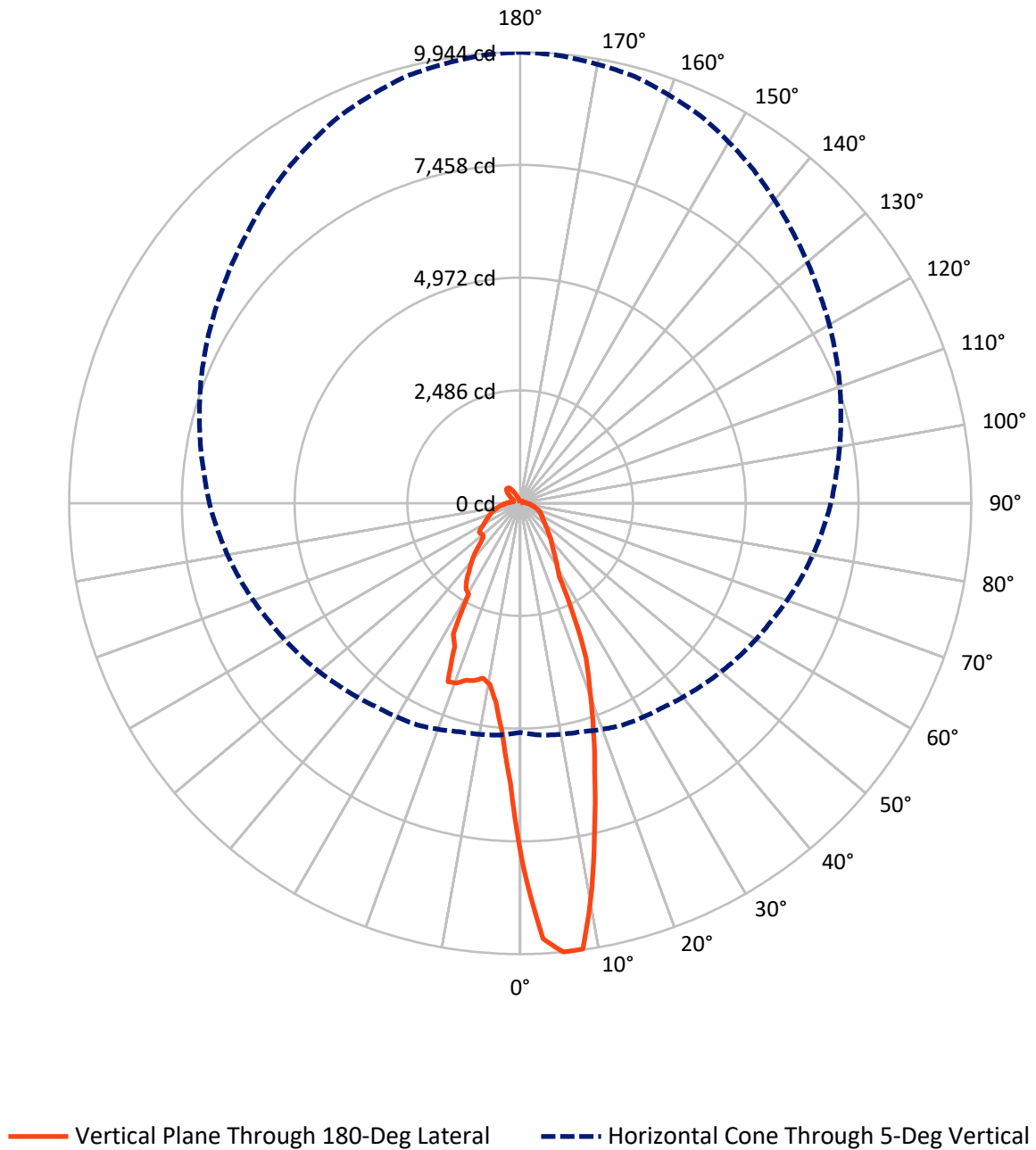


Based on 25 foot mounting height. Maximum calculated value = 15.5 fc
 Type I - Short - N/A

REPORT NUMBER: P691974

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P691974

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-RMARROA5

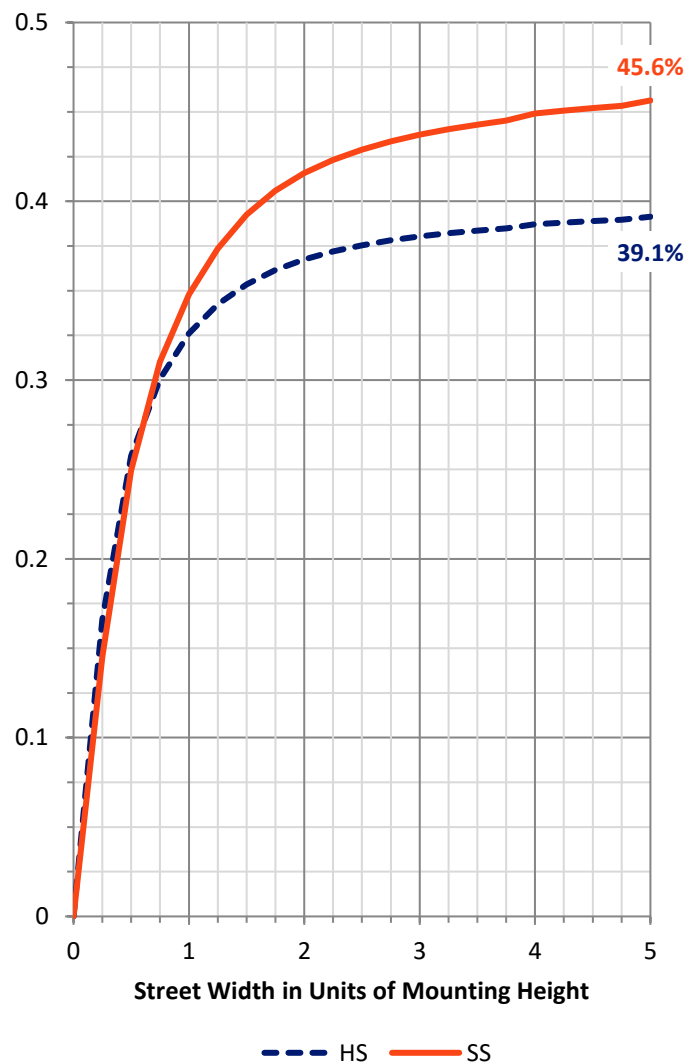
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3846.0	412.4	4258.4
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	4488.2	822.5	5310.7
	% Fixture	46.9	8.6	55.5
Total	Lumens	8334.2	1234.9	9569.1
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.2	6.7
10°-20°	1379.5	14.4
20°-30°	1518.9	15.9
30°-40°	1116.1	11.7
40°-50°	935.2	9.8
50°-60°	938.3	9.8
60°-70°	803.6	8.4
70°-80°	598.7	6.3
80°-90°	400.6	4.2
90°-100°	237.9	2.5
100°-110°	138.2	1.4
110°-120°	128.5	1.3
120°-130°	186.4	1.9
130°-140°	250.8	2.6
140°-150°	203.1	2.1
150°-160°	80.2	0.8
160°-170°	9.8	0.1
170°-180°	0.0	0.0
0°-90°	8334.2	87.1
0°-180°	9569.1	100.0

Coefficient of Utilization



REPORT NUMBER: P691974

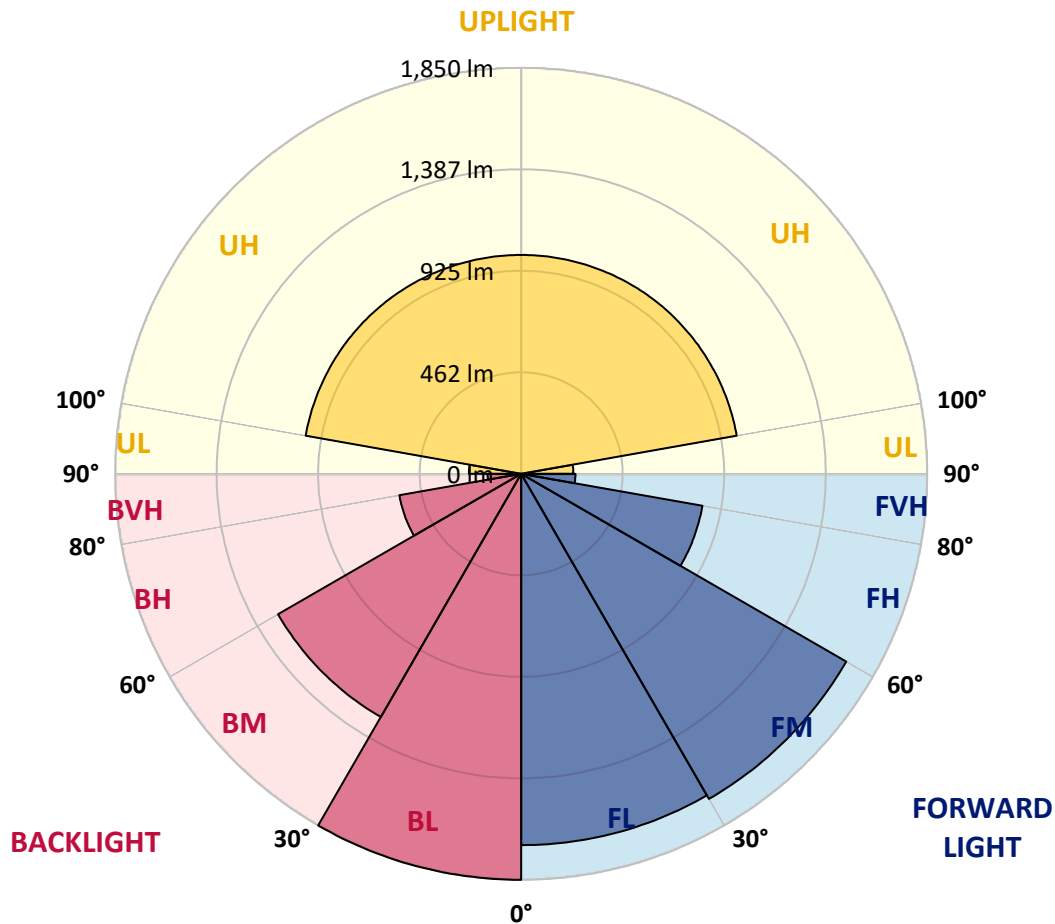
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1691.9	17.7			
FM	(30°-60°)	1710.4	17.9			
FH	(60°-80°)	838.6	8.8			G1/1800
FVH	(80°-90°)	247.3	2.6			G3/500
BL	(0°-30°)	1849.8	19.3	B3/2500		
BM	(30°-60°)	1279.2	13.4	B2/2500		
BH	(60°-80°)	563.7	5.9	B2/1000		G2/1000
BVH	(80°-90°)	153.3	1.6			G2/225
UL	(90°-100°)	237.9	2.5		U3/500	
UH	(100°-180°)	997.0	10.4		U4/1000	

BUG Rating: B3-U4-G3

Type I Short



REPORT NUMBER: P691974

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2
2.5°	6171.0	6262.2	6307.8	6444.6	6490.2	6577.6	6710.6	6843.6	7067.8	7235.0	7364.2
5°	5057.7	5133.7	5217.3	5392.0	5494.6	5677.0	5889.8	6117.8	6406.6	6699.2	6851.2
7.5°	4407.9	4426.9	4548.5	4761.3	4947.5	5141.3	5373.0	5570.6	5768.2	6007.6	6159.6
10°	4050.7	4077.3	4157.1	4320.5	4480.1	4639.7	4822.1	4974.1	5175.5	5376.8	5468.0
12.5°	3944.3	3955.7	4024.1	4119.1	4221.7	4324.3	4464.9	4601.7	4780.3	4955.1	5015.9
15°	4039.3	4039.3	4050.7	4088.7	4141.9	4221.7	4328.1	4445.9	4609.3	4738.5	4803.1
17.5°	4084.9	4088.7	4119.1	4126.7	4176.1	4210.3	4305.3	4396.5	4552.3	4658.7	4692.9
20°	4206.5	4206.5	4210.3	4229.3	4236.9	4255.9	4297.7	4347.1	4476.3	4533.3	4525.7
22.5°	4244.5	4229.3	4290.1	4400.3	4396.5	4400.3	4362.3	4373.7	4445.9	4423.1	4369.9
25°	3484.5	3465.5	3533.9	3602.3	3701.1	3826.5	4138.1	4381.3	4472.5	4400.3	4282.5
27.5°	3241.3	3157.7	3138.7	2975.3	2827.1	2583.9	2561.1	2409.1	2393.9	2488.9	2576.3
30°	2302.7	2306.5	2302.7	2287.5	2276.1	2287.5	2298.9	2272.3	2279.9	2340.7	2314.1
32.5°	2245.7	2245.7	2230.5	2222.9	2188.7	2177.3	2158.3	2108.9	2116.5	2162.1	2150.7
35°	2093.7	2086.1	2089.9	2070.9	2010.1	1960.7	1953.1	1911.3	1911.3	1937.9	1926.5
37.5°	1865.7	1854.3	1899.9	1896.1	1846.7	1827.7	1808.7	1782.1	1782.1	1804.9	1782.1
40°	1687.2	1679.6	1729.0	1744.2	1713.8	1721.4	1725.2	1702.4	1725.2	1729.0	1698.6
42.5°	1497.2	1493.4	1535.2	1531.4	1504.8	1501.0	1497.2	1482.0	1520.0	1550.4	1527.6
45°	1273.0	1261.6	1292.0	1303.4	1295.8	1284.4	1280.6	1280.6	1303.4	1318.6	1295.8
47.5°	1124.8	1128.6	1151.4	1178.0	1185.6	1193.2	1189.4	1181.8	1197.0	1200.8	1181.8
50°	1075.4	1079.2	1113.4	1143.8	1166.6	1181.8	1181.8	1170.4	1181.8	1170.4	1143.8
52.5°	1098.2	1098.2	1143.8	1189.4	1227.4	1254.0	1257.8	1242.6	1242.6	1212.2	1170.4
55°	1105.8	1113.4	1174.2	1250.2	1318.6	1390.8	1425.0	1413.6	1425.0	1360.4	1292.0
57.5°	1033.6	1052.6	1113.4	1204.6	1295.8	1409.8	1482.0	1489.6	1485.8	1428.8	1345.2
60°	938.6	953.8	995.6	1075.4	1162.8	1254.0	1326.2	1341.4	1356.6	1330.0	1254.0
62.5°	874.0	881.6	915.8	972.8	1033.6	1083.0	1109.6	1105.8	1121.0	1113.4	1056.4
65°	817.0	820.8	858.8	904.4	942.4	991.8	999.4	999.4	1010.8	995.6	950.0
67.5°	756.2	756.2	786.6	828.4	874.0	915.8	927.2	931.0	946.2	931.0	896.8
70°	703.0	703.0	729.6	763.8	798.0	839.8	851.2	855.0	874.0	855.0	820.8
72.5°	653.6	653.6	676.4	706.8	737.2	771.4	782.8	786.6	801.8	782.8	756.2
75°	600.4	604.2	623.2	649.8	676.4	706.8	722.0	722.0	733.4	710.6	687.8
77.5°	547.2	551.0	570.0	592.8	615.6	646.0	653.6	657.4	668.8	646.0	623.2
80°	494.0	501.6	516.8	535.8	558.6	581.4	596.6	596.6	604.2	581.4	566.2
82.5°	444.6	452.2	463.6	478.8	501.6	524.4	539.6	539.6	543.4	524.4	505.4
85°	395.2	402.8	414.2	425.6	444.6	467.4	482.6	482.6	486.4	467.4	452.2
87.5°	349.6	357.2	364.8	376.2	391.4	414.2	429.4	429.4	429.4	414.2	399.0
90°	304.0	307.8	315.4	326.8	342.0	361.0	372.4	376.2	376.2	357.2	349.6
92.5°	269.8	269.8	277.4	285.0	300.2	315.4	326.8	330.6	330.6	319.2	307.8
95°	231.8	235.6	239.4	247.0	258.4	269.8	285.0	285.0	285.0	277.4	269.8
97.5°	205.2	201.4	205.2	209.0	220.4	228.0	239.4	243.2	243.2	235.6	231.8
100°	174.8	178.6	178.6	182.4	186.2	190.0	197.6	201.4	201.4	197.6	197.6
102.5°	163.4	159.6	159.6	159.6	159.6	159.6	163.4	163.4	167.2	163.4	159.6
105°	152.0	152.0	152.0	152.0	148.2	148.2	148.2	148.2	144.4	140.6	140.6
107.5°	148.2	148.2	148.2	148.2	144.4	144.4	140.6	140.6	136.8	133.0	129.2
110°	148.2	148.2	148.2	148.2	144.4	140.6	140.6	136.8	133.0	129.2	125.4

REPORT NUMBER: P691974

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	155.8	155.8	155.8	155.8	148.2	144.4	140.6	140.6	133.0	129.2	125.4
115°	171.0	171.0	167.2	167.2	163.4	155.8	152.0	148.2	144.4	136.8	133.0
117.5°	186.2	186.2	186.2	186.2	182.4	174.8	167.2	163.4	159.6	148.2	144.4
120°	212.8	212.8	212.8	216.6	209.0	201.4	193.8	186.2	182.4	171.0	163.4
122.5°	247.0	243.2	250.8	254.6	250.8	239.4	228.0	220.4	212.8	197.6	190.0
125°	281.2	281.2	288.8	300.2	300.2	288.8	273.6	262.2	254.6	231.8	220.4
127.5°	323.0	323.0	334.4	353.4	357.2	345.8	330.6	315.4	304.0	273.6	262.2
130°	361.0	361.0	383.8	406.6	418.0	406.6	391.4	372.4	357.2	323.0	304.0
132.5°	391.4	395.2	421.8	452.2	467.4	463.6	444.6	429.4	414.2	372.4	349.6
135°	421.8	425.6	456.0	494.0	513.0	513.0	497.8	478.8	459.8	414.2	387.6
137.5°	437.0	440.8	478.8	516.8	539.6	547.2	539.6	520.6	501.6	452.2	418.0
140°	437.0	444.6	482.6	520.6	543.4	554.8	554.8	535.8	516.8	471.2	437.0
142.5°	425.6	433.2	467.4	505.4	528.2	543.4	547.2	532.0	513.0	467.4	433.2
145°	402.8	406.6	440.8	475.0	497.8	516.8	524.4	513.0	490.2	452.2	418.0
147.5°	364.8	364.8	395.2	421.8	452.2	471.2	482.6	475.0	456.0	421.8	391.4
150°	311.6	311.6	334.4	361.0	387.6	410.4	421.8	421.8	402.8	376.2	345.8
152.5°	247.0	250.8	266.0	288.8	315.4	334.4	349.6	349.6	338.2	315.4	288.8
155°	190.0	190.0	201.4	216.6	239.4	258.4	269.8	269.8	262.2	243.2	228.0
157.5°	136.8	136.8	144.4	159.6	174.8	190.0	201.4	201.4	193.8	182.4	171.0
160°	91.2	91.2	95.0	106.4	117.8	129.2	136.8	140.6	136.8	129.2	117.8
162.5°	49.4	49.4	53.2	60.8	68.4	79.8	83.6	87.4	87.4	79.8	76.0
165°	15.2	15.2	15.2	22.8	26.6	34.2	38.0	41.8	41.8	41.8	38.0
167.5°	3.8	3.8	3.8	3.8	3.8	3.8	7.6	11.4	11.4	11.4	11.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	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: P691974

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2	8010.2
2.5°	7485.8	7767.0	8078.6	8397.8	8724.6	9032.3	9290.7	9495.9	9606.1	9632.7	9617.5
5°	6988.0	7318.6	7683.4	8055.8	8481.4	8971.5	9419.9	9742.9	9910.1	9936.7	9944.3
7.5°	6277.4	6566.2	6923.4	7352.8	7888.6	8413.0	9104.5	9587.1	9856.9	9929.1	9929.1
10°	5528.8	5783.4	6007.6	6383.8	6851.2	7341.4	7930.4	8375.0	8648.6	8736.0	8660.0
12.5°	5107.1	5217.3	5369.2	5646.6	5939.2	6311.6	6820.8	7109.6	7288.2	7341.4	7295.8
15°	4837.3	4894.3	4958.9	5076.7	5281.8	5513.6	5813.8	5992.4	6102.6	6167.2	6144.4
17.5°	4708.1	4708.1	4696.7	4723.3	4776.5	4882.9	5088.1	5152.7	5202.1	5228.7	5213.5
20°	4510.5	4449.7	4400.3	4324.3	4293.9	4290.1	4339.5	4407.9	4404.1	4407.9	4377.5
22.5°	4312.9	4187.5	4065.9	3951.9	3822.7	3758.1	3712.5	3735.3	3716.3	3735.3	3716.3
25°	4217.9	3963.3	3720.1	3442.7	3210.9	3032.3	2914.5	2842.3	2720.7	2766.3	2724.5
27.5°	2618.1	2511.7	2409.1	2203.9	2010.1	1941.7	1884.7	1854.3	1831.5	1842.9	1835.3
30°	2268.5	2181.1	2101.3	1994.9	1846.7	1755.5	1687.2	1626.4	1607.4	1611.2	1607.4
32.5°	2105.1	2036.7	1937.9	1827.7	1694.8	1580.8	1501.0	1444.0	1413.6	1432.6	1417.4
35°	1884.7	1816.3	1732.8	1630.2	1516.2	1413.6	1337.6	1284.4	1250.2	1257.8	1254.0
37.5°	1740.4	1675.8	1603.6	1493.4	1394.6	1295.8	1219.8	1166.6	1132.4	1140.0	1132.4
40°	1656.8	1584.6	1508.6	1409.8	1311.0	1208.4	1136.2	1075.4	1041.2	1041.2	1041.2
42.5°	1485.8	1428.8	1364.2	1261.6	1174.2	1086.8	1014.6	969.0	931.0	934.8	927.2
45°	1269.2	1227.4	1178.0	1109.6	1037.4	969.0	908.2	874.0	843.6	847.4	843.6
47.5°	1159.0	1121.0	1064.0	1010.8	946.2	885.4	832.2	790.4	767.6	771.4	763.8
50°	1117.2	1071.6	1007.0	934.8	874.0	813.2	760.0	729.6	706.8	710.6	706.8
52.5°	1132.4	1060.2	969.0	881.6	809.4	748.6	706.8	672.6	657.4	661.2	653.6
55°	1231.2	1105.8	969.0	858.8	767.6	699.2	657.4	619.4	604.2	604.2	604.2
57.5°	1265.4	1128.6	957.6	832.2	733.4	665.0	615.6	577.6	562.4	562.4	562.4
60°	1185.6	1067.8	912.0	794.2	703.0	638.4	596.6	570.0	558.6	558.6	558.6
62.5°	1014.6	938.6	820.8	725.8	657.4	600.4	558.6	524.4	513.0	509.2	509.2
65°	919.6	847.4	748.6	668.8	608.0	562.4	524.4	497.8	482.6	482.6	482.6
67.5°	858.8	790.4	699.2	623.2	566.2	516.8	482.6	456.0	448.4	444.6	444.6
70°	790.4	725.8	634.6	566.2	513.0	471.2	437.0	414.2	406.6	406.6	402.8
72.5°	722.0	661.2	573.8	509.2	459.8	421.8	391.4	372.4	364.8	361.0	361.0
75°	657.4	596.6	516.8	456.0	410.4	376.2	349.6	330.6	323.0	323.0	323.0
77.5°	596.6	539.6	463.6	406.6	368.6	334.4	311.6	296.4	288.8	288.8	288.8
80°	539.6	482.6	414.2	361.0	323.0	296.4	277.4	262.2	254.6	258.4	254.6
82.5°	478.8	433.2	368.6	319.2	288.8	262.2	243.2	231.8	224.2	228.0	224.2
85°	429.4	383.8	323.0	281.2	250.8	228.0	212.8	201.4	193.8	197.6	193.8
87.5°	380.0	338.2	285.0	247.0	220.4	201.4	182.4	174.8	171.0	171.0	167.2
90°	326.8	288.8	243.2	212.8	186.2	171.0	155.8	148.2	144.4	140.6	140.6
92.5°	288.8	258.4	216.6	190.0	167.2	155.8	140.6	133.0	129.2	129.2	129.2
95°	254.6	228.0	193.8	171.0	155.8	140.6	129.2	125.4	121.6	121.6	117.8
97.5°	220.4	197.6	174.8	155.8	140.6	129.2	117.8	114.0	110.2	110.2	110.2
100°	186.2	171.0	152.0	136.8	125.4	117.8	106.4	102.6	98.8	98.8	98.8
102.5°	155.8	144.4	129.2	117.8	110.2	102.6	95.0	91.2	87.4	87.4	87.4
105°	136.8	125.4	117.8	106.4	98.8	91.2	87.4	79.8	76.0	76.0	76.0
107.5°	125.4	117.8	110.2	102.6	95.0	87.4	79.8	72.2	68.4	68.4	68.4
110°	121.6	114.0	106.4	98.8	91.2	83.6	79.8	68.4	64.6	64.6	64.6

REPORT NUMBER: P691974

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	121.6	117.8	110.2	102.6	95.0	87.4	79.8	64.6	60.8	60.8	60.8
115°	129.2	121.6	114.0	106.4	98.8	91.2	83.6	64.6	60.8	60.8	60.8
117.5°	140.6	133.0	121.6	114.0	106.4	95.0	83.6	68.4	60.8	60.8	60.8
120°	159.6	148.2	136.8	125.4	114.0	102.6	87.4	68.4	57.0	60.8	60.8
122.5°	182.4	171.0	152.0	136.8	125.4	110.2	91.2	72.2	57.0	60.8	60.8
125°	212.8	197.6	174.8	155.8	136.8	117.8	95.0	72.2	57.0	60.8	64.6
127.5°	247.0	224.2	197.6	171.0	148.2	125.4	102.6	76.0	57.0	64.6	64.6
130°	285.0	258.4	224.2	190.0	163.4	133.0	106.4	76.0	60.8	60.8	60.8
132.5°	326.8	288.8	243.2	205.2	171.0	136.8	106.4	76.0	60.8	60.8	60.8
135°	357.2	311.6	262.2	216.6	178.6	140.6	110.2	76.0	57.0	57.0	57.0
137.5°	383.8	330.6	277.4	224.2	182.4	140.6	106.4	72.2	57.0	53.2	53.2
140°	399.0	338.2	277.4	224.2	178.6	136.8	98.8	68.4	49.4	49.4	49.4
142.5°	399.0	334.4	273.6	216.6	167.2	129.2	95.0	60.8	45.6	45.6	45.6
145°	383.8	319.2	258.4	205.2	155.8	117.8	83.6	57.0	41.8	41.8	41.8
147.5°	357.2	292.6	235.6	186.2	136.8	102.6	72.2	45.6	34.2	34.2	34.2
150°	319.2	258.4	205.2	159.6	117.8	83.6	60.8	38.0	26.6	26.6	26.6
152.5°	266.0	216.6	167.2	133.0	95.0	68.4	45.6	30.4	22.8	22.8	22.8
155°	209.0	171.0	133.0	102.6	72.2	49.4	34.2	22.8	15.2	15.2	15.2
157.5°	159.6	129.2	98.8	76.0	53.2	38.0	26.6	15.2	11.4	11.4	11.4
160°	110.2	87.4	68.4	53.2	34.2	26.6	19.0	11.4	7.6	7.6	7.6
162.5°	72.2	57.0	41.8	30.4	22.8	15.2	11.4	7.6	3.8	3.8	3.8
165°	34.2	26.6	22.8	15.2	11.4	7.6	3.8	3.8	0.0	0.0	0.0
167.5°	11.4	7.6	7.6	3.8	3.8	3.8	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)