

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: P691990

Luminaire Tested: **CRTK2-C01HO-D-U-T3-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691990
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-T3-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8278 lumens
Efficiency: N/A
Efficacy: 104.8 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): 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



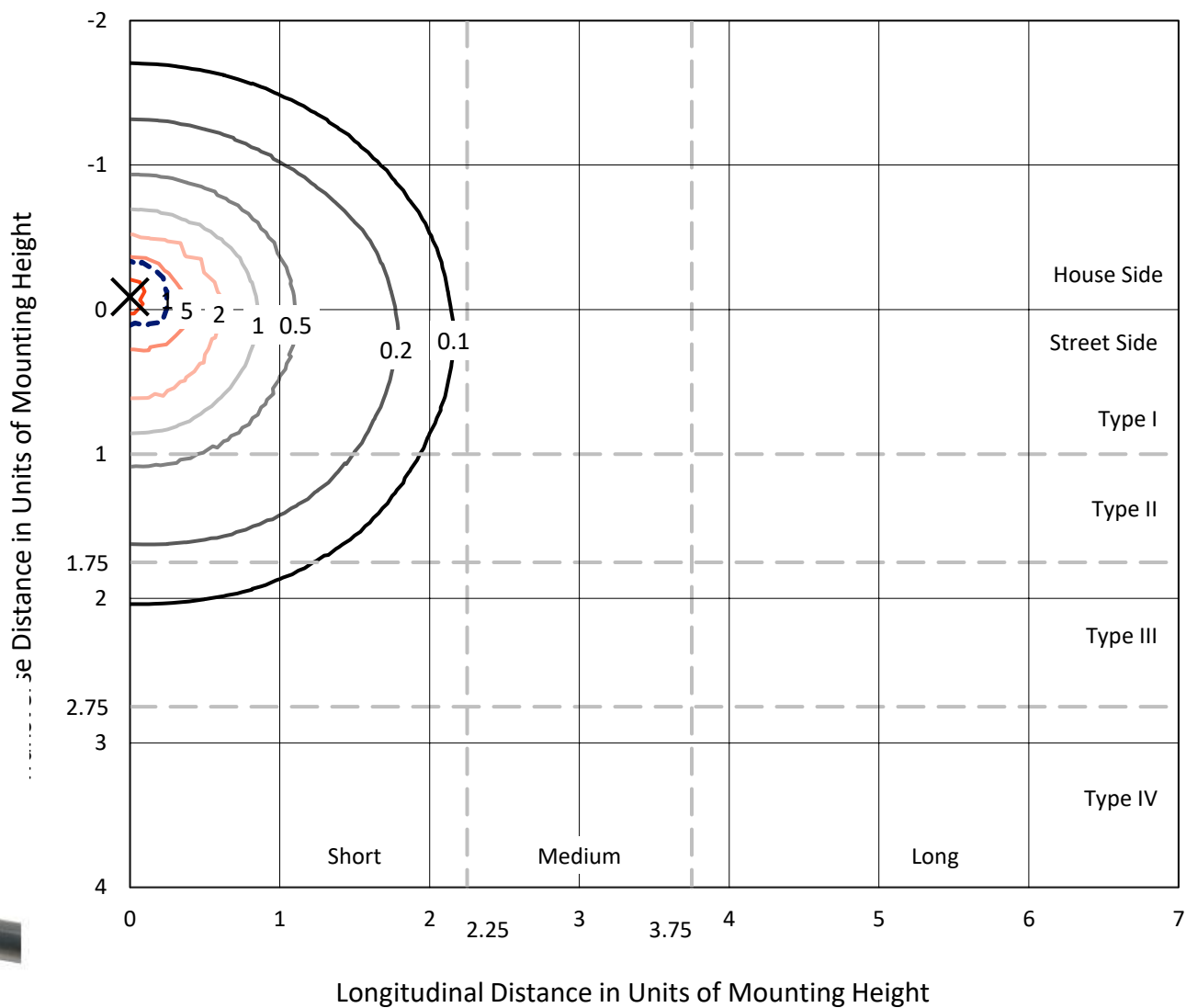
REPORT NUMBER: P691990

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



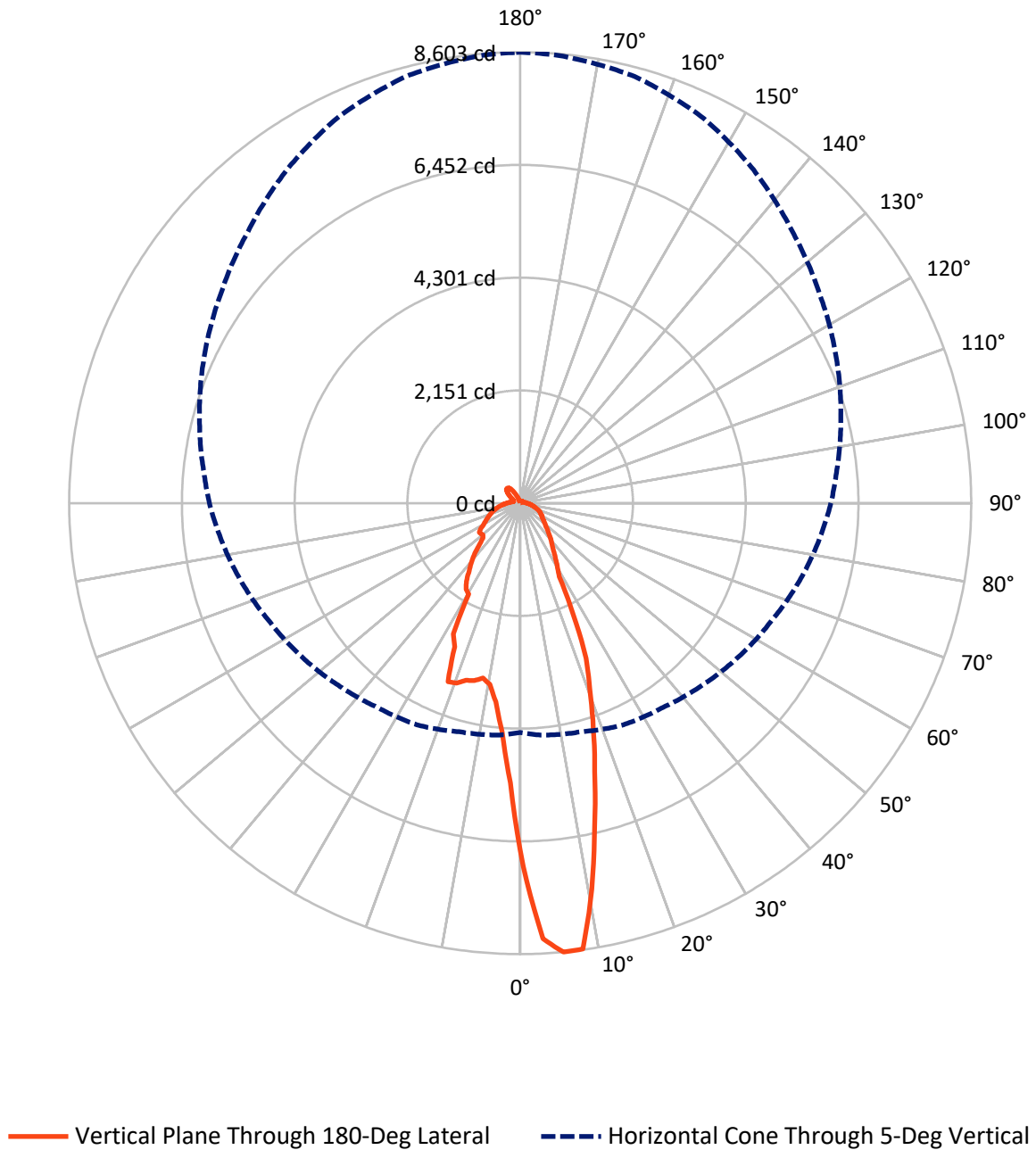
Based on 25 foot mounting height. Maximum calculated value = 13.4 fc

Type I - Short - N/A

REPORT NUMBER: P691990

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P691990

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-RMARROA5

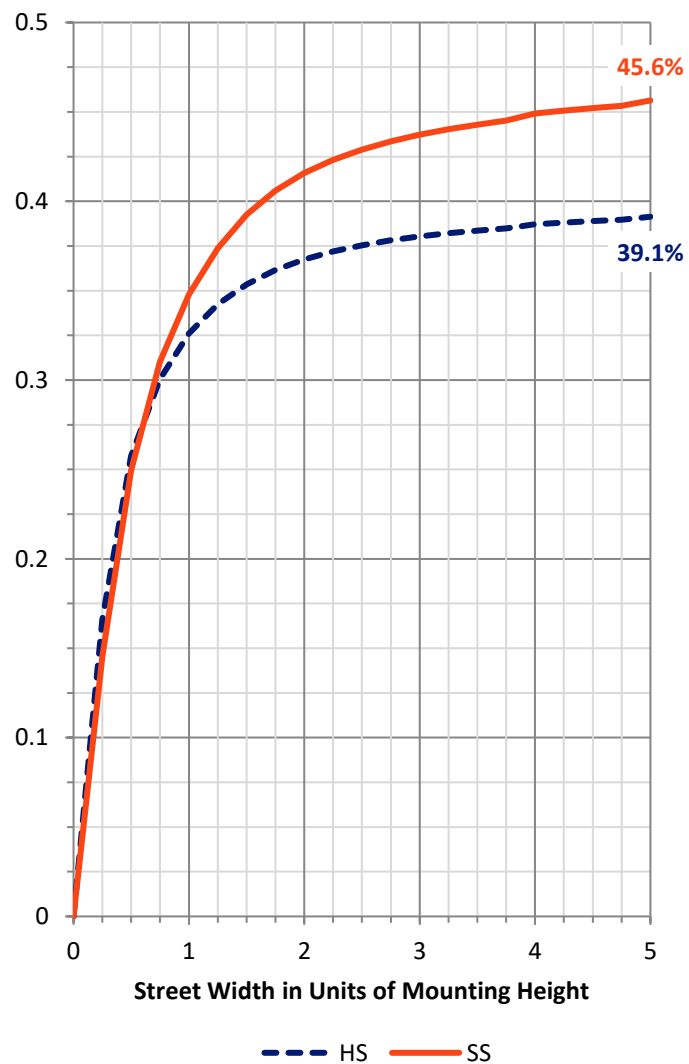
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3327.1	356.7	3683.8
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	3882.6	711.5	4594.2
	% Fixture	46.9	8.6	55.5
Total	Lumens	7209.7	1068.3	8278.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.4	6.7
10°-20°	1193.4	14.4
20°-30°	1314.0	15.9
30°-40°	965.5	11.7
40°-50°	809.0	9.8
50°-60°	811.7	9.8
60°-70°	695.1	8.4
70°-80°	517.9	6.3
80°-90°	346.6	4.2
90°-100°	205.8	2.5
100°-110°	119.5	1.4
110°-120°	111.2	1.3
120°-130°	161.2	1.9
130°-140°	217.0	2.6
140°-150°	175.7	2.1
150°-160°	69.4	0.8
160°-170°	8.4	0.1
170°-180°	0.0	0.0
0°-90°	7209.7	87.1
0°-180°	8278.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691990

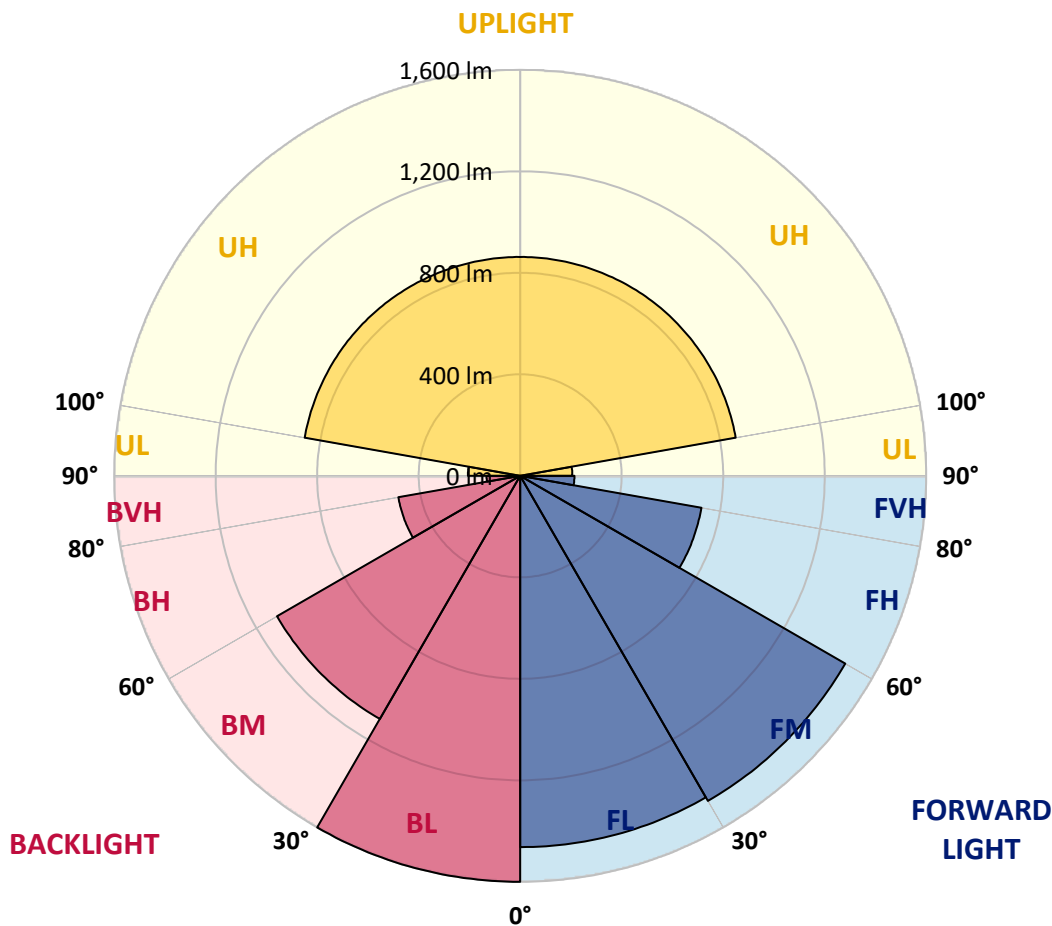
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1463.6	17.7			
FM	(30°-60°)	1479.6	17.9			
FH	(60°-80°)	725.5	8.8			G1/1800
FVH	(80°-90°)	213.9	2.6			G2/225
BL	(0°-30°)	1600.2	19.3	B3/2500		
BM	(30°-60°)	1106.6	13.4	B2/2500		
BH	(60°-80°)	487.6	5.9	B1/500		G1/500
BVH	(80°-90°)	132.6	1.6			G2/225
UL	(90°-100°)	205.8	2.5		U3/500	
UH	(100°-180°)	862.5	10.4		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



REPORT NUMBER: P691990

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5
2.5°	5338.5	5417.4	5456.8	5575.1	5614.6	5690.2	5805.2	5920.3	6114.2	6258.9	6370.7
5°	4375.3	4441.0	4513.4	4664.6	4753.3	4911.1	5095.2	5292.4	5542.3	5795.4	5926.9
7.5°	3813.2	3829.6	3934.8	4118.9	4280.0	4447.6	4648.1	4819.1	4990.0	5197.1	5328.6
10°	3504.2	3527.2	3596.2	3737.6	3875.6	4013.7	4171.5	4303.0	4477.2	4651.4	4730.3
12.5°	3412.1	3422.0	3481.2	3563.4	3652.1	3740.9	3862.5	3980.8	4135.3	4286.5	4339.1
15°	3494.3	3494.3	3504.2	3537.1	3583.1	3652.1	3744.2	3846.1	3987.4	4099.2	4155.1
17.5°	3533.8	3537.1	3563.4	3569.9	3612.7	3642.3	3724.4	3803.3	3938.1	4030.1	4059.7
20°	3639.0	3639.0	3642.3	3658.7	3665.3	3681.7	3717.9	3760.6	3872.4	3921.7	3915.1
22.5°	3671.8	3658.7	3711.3	3806.6	3803.3	3806.6	3773.7	3783.6	3846.1	3826.3	3780.3
25°	3014.4	2998.0	3057.1	3116.3	3201.8	3310.2	3579.8	3790.2	3869.1	3806.6	3704.7
27.5°	2804.0	2731.7	2715.3	2573.9	2445.7	2235.3	2215.6	2084.1	2071.0	2153.1	2228.7
30°	1992.1	1995.3	1992.1	1978.9	1969.1	1978.9	1988.8	1965.8	1972.3	2024.9	2001.9
32.5°	1942.8	1942.8	1929.6	1923.0	1893.4	1883.6	1867.1	1824.4	1831.0	1870.4	1860.6
35°	1811.3	1804.7	1808.0	1791.5	1738.9	1696.2	1689.6	1653.5	1653.5	1676.5	1666.6
37.5°	1614.0	1604.2	1643.6	1640.3	1597.6	1581.2	1564.7	1541.7	1541.7	1561.4	1541.7
40°	1459.5	1453.0	1495.7	1508.8	1482.5	1489.1	1492.4	1472.7	1492.4	1495.7	1469.4
42.5°	1295.2	1291.9	1328.0	1324.8	1301.7	1298.5	1295.2	1282.0	1314.9	1341.2	1321.5
45°	1101.2	1091.4	1117.7	1127.5	1120.9	1111.1	1107.8	1107.8	1127.5	1140.7	1120.9
47.5°	973.0	976.3	996.0	1019.0	1025.6	1032.2	1028.9	1022.3	1035.5	1038.8	1022.3
50°	930.3	933.6	963.2	989.5	1009.2	1022.3	1022.3	1012.5	1022.3	1012.5	989.5
52.5°	950.0	950.0	989.5	1028.9	1061.8	1084.8	1088.1	1074.9	1074.9	1048.6	1012.5
55°	956.6	963.2	1015.8	1081.5	1140.7	1203.1	1232.7	1222.8	1232.7	1176.8	1117.7
57.5°	894.1	910.6	963.2	1042.1	1120.9	1219.6	1282.0	1288.6	1285.3	1236.0	1163.7
60°	811.9	825.1	861.3	930.3	1005.9	1084.8	1147.2	1160.4	1173.5	1150.5	1084.8
62.5°	756.1	762.6	792.2	841.5	894.1	936.9	959.9	956.6	969.7	963.2	913.8
65°	706.8	710.0	742.9	782.4	815.2	858.0	864.5	864.5	874.4	861.3	821.8
67.5°	654.2	654.2	680.5	716.6	756.1	792.2	802.1	805.4	818.5	805.4	775.8
70°	608.1	608.1	631.1	660.7	690.3	726.5	736.3	739.6	756.1	739.6	710.0
72.5°	565.4	565.4	585.1	611.4	637.7	667.3	677.2	680.5	693.6	677.2	654.2
75°	519.4	522.7	539.1	562.1	585.1	611.4	624.6	624.6	634.4	614.7	595.0
77.5°	473.4	476.6	493.1	512.8	532.5	558.8	565.4	568.7	578.6	558.8	539.1
80°	427.3	433.9	447.1	463.5	483.2	502.9	516.1	516.1	522.7	502.9	489.8
82.5°	384.6	391.2	401.0	414.2	433.9	453.6	466.8	466.8	470.1	453.6	437.2
85°	341.9	348.4	358.3	368.2	384.6	404.3	417.5	417.5	420.8	404.3	391.2
87.5°	302.4	309.0	315.6	325.4	338.6	358.3	371.5	371.5	371.5	358.3	345.2
90°	263.0	266.3	272.8	282.7	295.9	312.3	322.1	325.4	325.4	309.0	302.4
92.5°	233.4	233.4	240.0	246.5	259.7	272.8	282.7	286.0	286.0	276.1	266.3
95°	200.5	203.8	207.1	213.7	223.5	233.4	246.5	246.5	246.5	240.0	233.4
97.5°	177.5	174.2	177.5	180.8	190.7	197.2	207.1	210.4	210.4	203.8	200.5
100°	151.2	154.5	154.5	157.8	161.1	164.4	170.9	174.2	174.2	170.9	170.9
102.5°	141.4	138.1	138.1	138.1	138.1	138.1	141.4	141.4	144.6	141.4	138.1
105°	131.5	131.5	131.5	131.5	128.2	128.2	128.2	128.2	124.9	121.6	121.6
107.5°	128.2	128.2	128.2	128.2	124.9	124.9	121.6	121.6	118.3	115.1	111.8
110°	128.2	128.2	128.2	128.2	124.9	121.6	121.6	118.3	115.1	111.8	108.5

REPORT NUMBER: P691990

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	134.8	134.8	134.8	134.8	128.2	124.9	121.6	121.6	115.1	111.8	108.5
115°	147.9	147.9	144.6	144.6	141.4	134.8	131.5	128.2	124.9	118.3	115.1
117.5°	161.1	161.1	161.1	161.1	157.8	151.2	144.6	141.4	138.1	128.2	124.9
120°	184.1	184.1	184.1	187.4	180.8	174.2	167.6	161.1	157.8	147.9	141.4
122.5°	213.7	210.4	217.0	220.2	217.0	207.1	197.2	190.7	184.1	170.9	164.4
125°	243.3	243.3	249.8	259.7	259.7	249.8	236.7	226.8	220.2	200.5	190.7
127.5°	279.4	279.4	289.3	305.7	309.0	299.1	286.0	272.8	263.0	236.7	226.8
130°	312.3	312.3	332.0	351.7	361.6	351.7	338.6	322.1	309.0	279.4	263.0
132.5°	338.6	341.9	364.9	391.2	404.3	401.0	384.6	371.5	358.3	322.1	302.4
135°	364.9	368.2	394.5	427.3	443.8	443.8	430.6	414.2	397.8	358.3	335.3
137.5°	378.0	381.3	414.2	447.1	466.8	473.4	466.8	450.4	433.9	391.2	361.6
140°	378.0	384.6	417.5	450.4	470.1	479.9	479.9	463.5	447.1	407.6	378.0
142.5°	368.2	374.7	404.3	437.2	456.9	470.1	473.4	460.2	443.8	404.3	374.7
145°	348.4	351.7	381.3	410.9	430.6	447.1	453.6	443.8	424.1	391.2	361.6
147.5°	315.6	315.6	341.9	364.9	391.2	407.6	417.5	410.9	394.5	364.9	338.6
150°	269.6	269.6	289.3	312.3	335.3	355.0	364.9	364.9	348.4	325.4	299.1
152.5°	213.7	217.0	230.1	249.8	272.8	289.3	302.4	302.4	292.6	272.8	249.8
155°	164.4	164.4	174.2	187.4	207.1	223.5	233.4	233.4	226.8	210.4	197.2
157.5°	118.3	118.3	124.9	138.1	151.2	164.4	174.2	174.2	167.6	157.8	147.9
160°	78.9	78.9	82.2	92.0	101.9	111.8	118.3	121.6	118.3	111.8	101.9
162.5°	42.7	42.7	46.0	52.6	59.2	69.0	72.3	75.6	75.6	69.0	65.7
165°	13.1	13.1	13.1	19.7	23.0	29.6	32.9	36.2	36.2	36.2	32.9
167.5°	3.3	3.3	3.3	3.3	3.3	3.3	6.6	9.9	9.9	9.9	9.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	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: P691990

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5	6929.5
2.5°	6475.8	6719.1	6988.7	7264.8	7547.5	7813.7	8037.3	8214.8	8310.1	8333.1	8320.0
5°	6045.2	6331.2	6646.8	6968.9	7337.1	7761.1	8149.0	8428.5	8573.1	8596.1	8602.7
7.5°	5430.5	5680.3	5989.3	6360.8	6824.3	7277.9	7876.2	8293.7	8527.1	8589.5	8589.5
10°	4782.9	5003.2	5197.1	5522.5	5926.9	6350.9	6860.4	7245.1	7481.7	7557.3	7491.6
12.5°	4418.0	4513.4	4644.9	4884.8	5137.9	5460.1	5900.6	6150.4	6304.9	6350.9	6311.5
15°	4184.6	4234.0	4289.8	4391.7	4569.2	4769.8	5029.5	5184.0	5279.3	5335.2	5315.5
17.5°	4072.9	4072.9	4063.0	4086.0	4132.0	4224.1	4401.6	4457.5	4500.2	4523.2	4510.1
20°	3901.9	3849.3	3806.6	3740.9	3714.6	3711.3	3754.0	3813.2	3809.9	3813.2	3786.9
22.5°	3731.0	3622.5	3517.3	3418.7	3307.0	3251.1	3211.6	3231.3	3214.9	3231.3	3214.9
25°	3648.8	3428.6	3218.2	2978.2	2777.7	2623.2	2521.3	2458.8	2353.7	2393.1	2356.9
27.5°	2264.9	2172.9	2084.1	1906.6	1738.9	1679.8	1630.5	1604.2	1584.4	1594.3	1587.7
30°	1962.5	1886.9	1817.8	1725.8	1597.6	1518.7	1459.5	1406.9	1390.5	1393.8	1390.5
32.5°	1821.1	1762.0	1676.5	1581.2	1466.1	1367.5	1298.5	1249.1	1222.8	1239.3	1226.1
35°	1630.5	1571.3	1499.0	1410.2	1311.6	1222.8	1157.1	1111.1	1081.5	1088.1	1084.8
37.5°	1505.6	1449.7	1387.2	1291.9	1206.4	1120.9	1055.2	1009.2	979.6	986.2	979.6
40°	1433.2	1370.8	1305.0	1219.6	1134.1	1045.3	982.9	930.3	900.7	900.7	900.7
42.5°	1285.3	1236.0	1180.1	1091.4	1015.8	940.1	877.7	838.2	805.4	808.7	802.1
45°	1097.9	1061.8	1019.0	959.9	897.4	838.2	785.6	756.1	729.8	733.1	729.8
47.5°	1002.6	969.7	920.4	874.4	818.5	765.9	719.9	683.7	664.0	667.3	660.7
50°	966.4	927.0	871.1	808.7	756.1	703.5	657.4	631.1	611.4	614.7	611.4
52.5°	979.6	917.1	838.2	762.6	700.2	647.6	611.4	581.8	568.7	572.0	565.4
55°	1065.1	956.6	838.2	742.9	664.0	604.9	568.7	535.8	522.7	522.7	522.7
57.5°	1094.6	976.3	828.4	719.9	634.4	575.3	532.5	499.7	486.5	486.5	486.5
60°	1025.6	923.7	788.9	687.0	608.1	552.3	516.1	493.1	483.2	483.2	483.2
62.5°	877.7	811.9	710.0	627.9	568.7	519.4	483.2	453.6	443.8	440.5	440.5
65°	795.5	733.1	647.6	578.6	526.0	486.5	453.6	430.6	417.5	417.5	417.5
67.5°	742.9	683.7	604.9	539.1	489.8	447.1	417.5	394.5	387.9	384.6	384.6
70°	683.7	627.9	549.0	489.8	443.8	407.6	378.0	358.3	351.7	351.7	348.4
72.5°	624.6	572.0	496.4	440.5	397.8	364.9	338.6	322.1	315.6	312.3	312.3
75°	568.7	516.1	447.1	394.5	355.0	325.4	302.4	286.0	279.4	279.4	279.4
77.5°	516.1	466.8	401.0	351.7	318.9	289.3	269.6	256.4	249.8	249.8	249.8
80°	466.8	417.5	358.3	312.3	279.4	256.4	240.0	226.8	220.2	223.5	220.2
82.5°	414.2	374.7	318.9	276.1	249.8	226.8	210.4	200.5	193.9	197.2	193.9
85°	371.5	332.0	279.4	243.3	217.0	197.2	184.1	174.2	167.6	170.9	167.6
87.5°	328.7	292.6	246.5	213.7	190.7	174.2	157.8	151.2	147.9	147.9	144.6
90°	282.7	249.8	210.4	184.1	161.1	147.9	134.8	128.2	124.9	121.6	121.6
92.5°	249.8	223.5	187.4	164.4	144.6	134.8	121.6	115.1	111.8	111.8	111.8
95°	220.2	197.2	167.6	147.9	134.8	121.6	111.8	108.5	105.2	105.2	101.9
97.5°	190.7	170.9	151.2	134.8	121.6	111.8	101.9	98.6	95.3	95.3	95.3
100°	161.1	147.9	131.5	118.3	108.5	101.9	92.0	88.8	85.5	85.5	85.5
102.5°	134.8	124.9	111.8	101.9	95.3	88.8	82.2	78.9	75.6	75.6	75.6
105°	118.3	108.5	101.9	92.0	85.5	78.9	75.6	69.0	65.7	65.7	65.7
107.5°	108.5	101.9	95.3	88.8	82.2	75.6	69.0	62.5	59.2	59.2	59.2
110°	105.2	98.6	92.0	85.5	78.9	72.3	69.0	59.2	55.9	55.9	55.9

REPORT NUMBER: P691990

CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	105.2	101.9	95.3	88.8	82.2	75.6	69.0	55.9	52.6	52.6	52.6
115°	111.8	105.2	98.6	92.0	85.5	78.9	72.3	55.9	52.6	52.6	52.6
117.5°	121.6	115.1	105.2	98.6	92.0	82.2	72.3	59.2	52.6	52.6	52.6
120°	138.1	128.2	118.3	108.5	98.6	88.8	75.6	59.2	49.3	52.6	52.6
122.5°	157.8	147.9	131.5	118.3	108.5	95.3	78.9	62.5	49.3	52.6	52.6
125°	184.1	170.9	151.2	134.8	118.3	101.9	82.2	62.5	49.3	52.6	55.9
127.5°	213.7	193.9	170.9	147.9	128.2	108.5	88.8	65.7	49.3	55.9	55.9
130°	246.5	223.5	193.9	164.4	141.4	115.1	92.0	65.7	52.6	52.6	52.6
132.5°	282.7	249.8	210.4	177.5	147.9	118.3	92.0	65.7	52.6	52.6	52.6
135°	309.0	269.6	226.8	187.4	154.5	121.6	95.3	65.7	49.3	49.3	49.3
137.5°	332.0	286.0	240.0	193.9	157.8	121.6	92.0	62.5	49.3	46.0	46.0
140°	345.2	292.6	240.0	193.9	154.5	118.3	85.5	59.2	42.7	42.7	42.7
142.5°	345.2	289.3	236.7	187.4	144.6	111.8	82.2	52.6	39.4	39.4	39.4
145°	332.0	276.1	223.5	177.5	134.8	101.9	72.3	49.3	36.2	36.2	36.2
147.5°	309.0	253.1	203.8	161.1	118.3	88.8	62.5	39.4	29.6	29.6	29.6
150°	276.1	223.5	177.5	138.1	101.9	72.3	52.6	32.9	23.0	23.0	23.0
152.5°	230.1	187.4	144.6	115.1	82.2	59.2	39.4	26.3	19.7	19.7	19.7
155°	180.8	147.9	115.1	88.8	62.5	42.7	29.6	19.7	13.1	13.1	13.1
157.5°	138.1	111.8	85.5	65.7	46.0	32.9	23.0	13.1	9.9	9.9	9.9
160°	95.3	75.6	59.2	46.0	29.6	23.0	16.4	9.9	6.6	6.6	6.6
162.5°	62.5	49.3	36.2	26.3	19.7	13.1	9.9	6.6	3.3	3.3	3.3
165°	29.6	23.0	19.7	13.1	9.9	6.6	3.3	3.3	0.0	0.0	0.0
167.5°	9.9	6.6	6.6	3.3	3.3	3.3	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)