

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: P691806

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691806
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-C01H-5TLD-U-T3-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7394 lumens
Efficiency: N/A
Efficacy: 98.7 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): 74.9
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



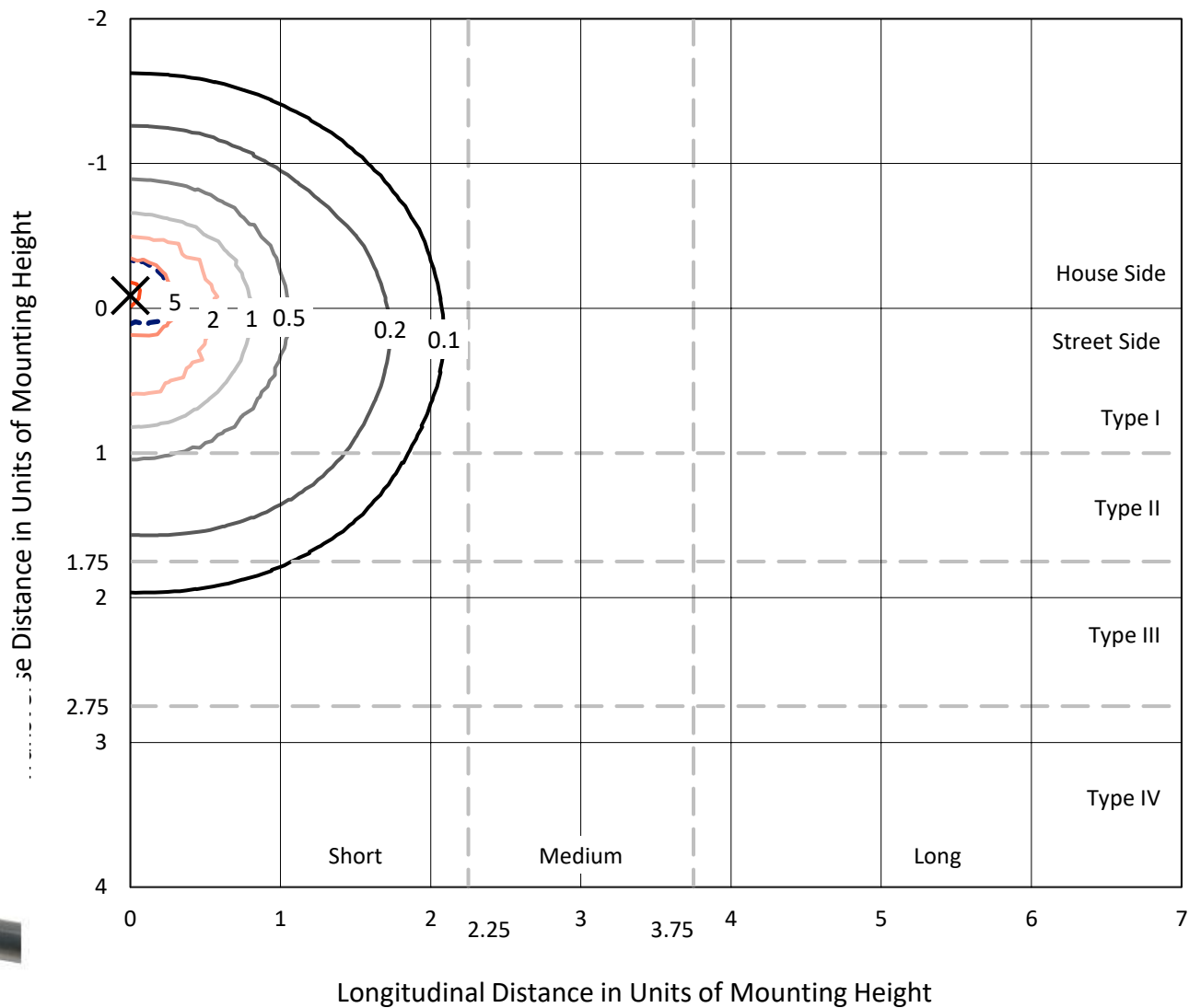
REPORT NUMBER: P691806

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



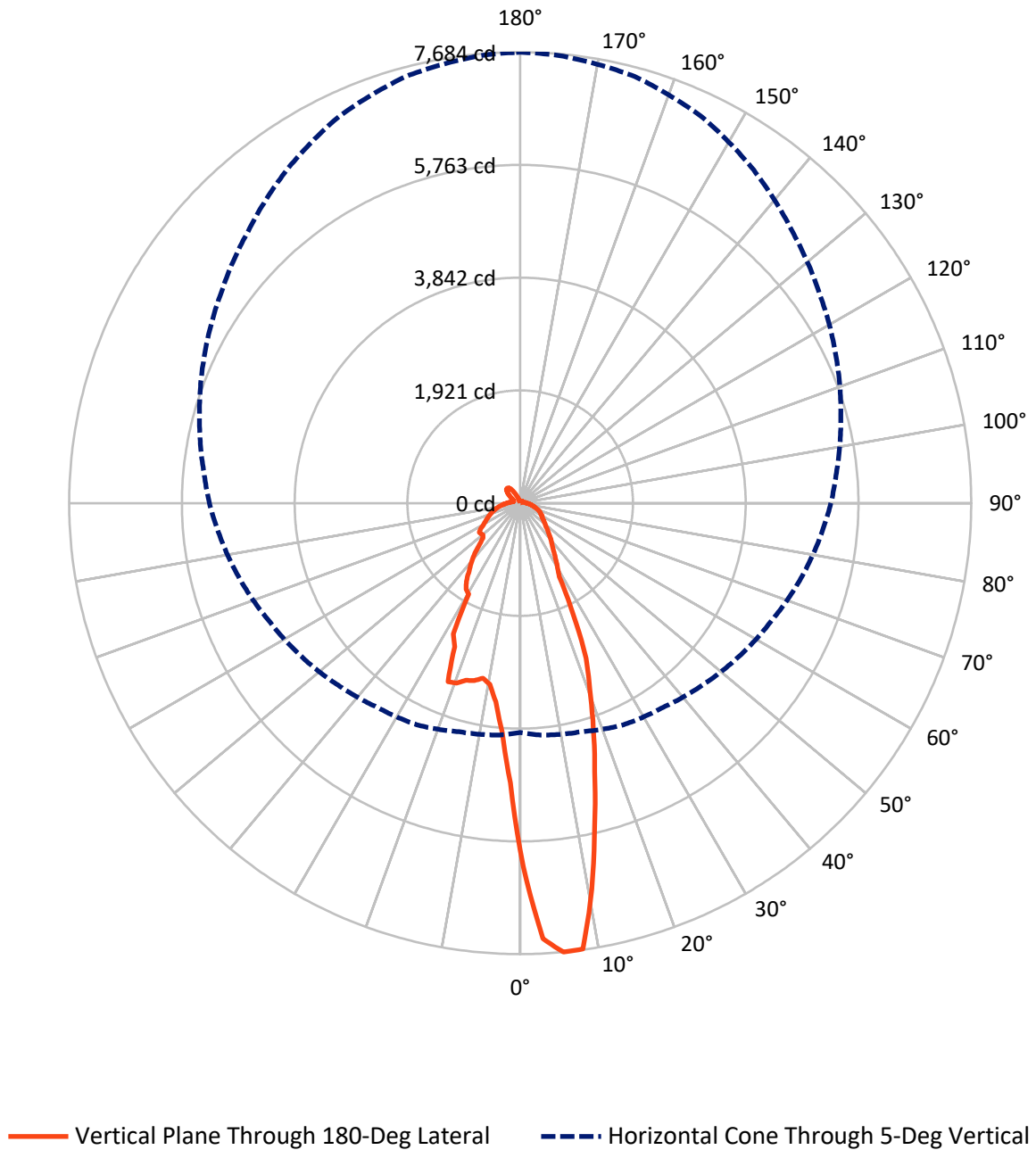
Based on 25 foot mounting height. Maximum calculated value = 12 fc

Type I - Short - N/A

REPORT NUMBER: P691806

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P691806

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-RMARROA5

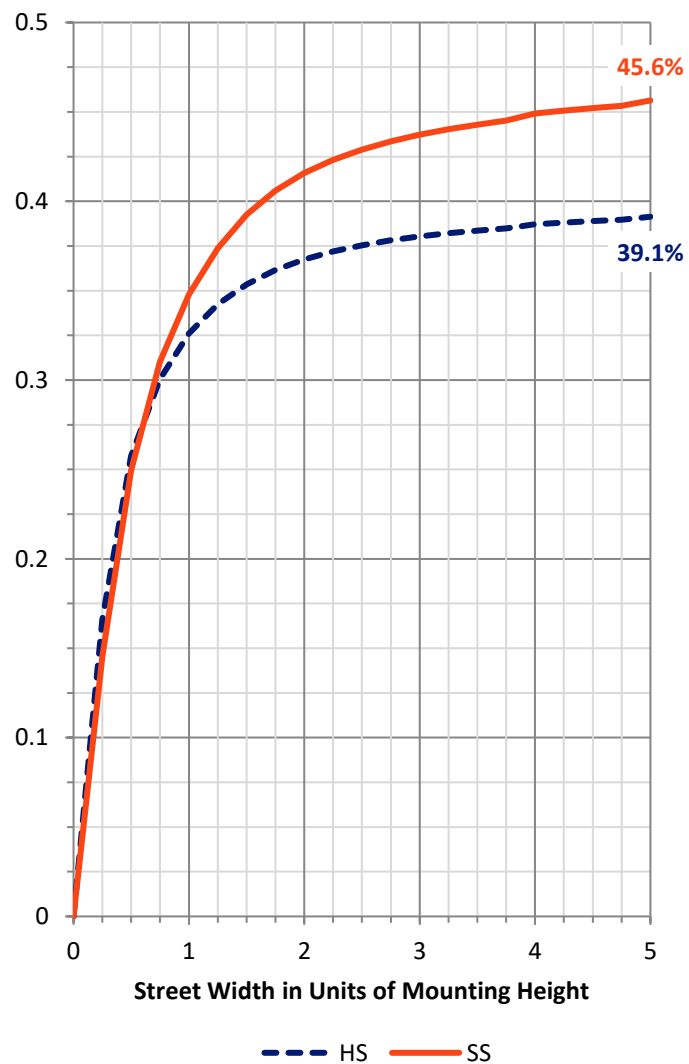
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2971.8	318.6	3290.4
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	3468.0	635.6	4103.6
	% Fixture	46.9	8.6	55.5
Total	Lumens	6439.8	954.2	7394.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.0	6.7
10°-20°	1065.9	14.4
20°-30°	1173.7	15.9
30°-40°	862.4	11.7
40°-50°	722.6	9.8
50°-60°	725.0	9.8
60°-70°	620.9	8.4
70°-80°	462.6	6.3
80°-90°	309.5	4.2
90°-100°	183.8	2.5
100°-110°	106.8	1.4
110°-120°	99.3	1.3
120°-130°	144.0	1.9
130°-140°	193.8	2.6
140°-150°	156.9	2.1
150°-160°	62.0	0.8
160°-170°	7.5	0.1
170°-180°	0.0	0.0
0°-90°	6439.8	87.1
0°-180°	7394.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691806

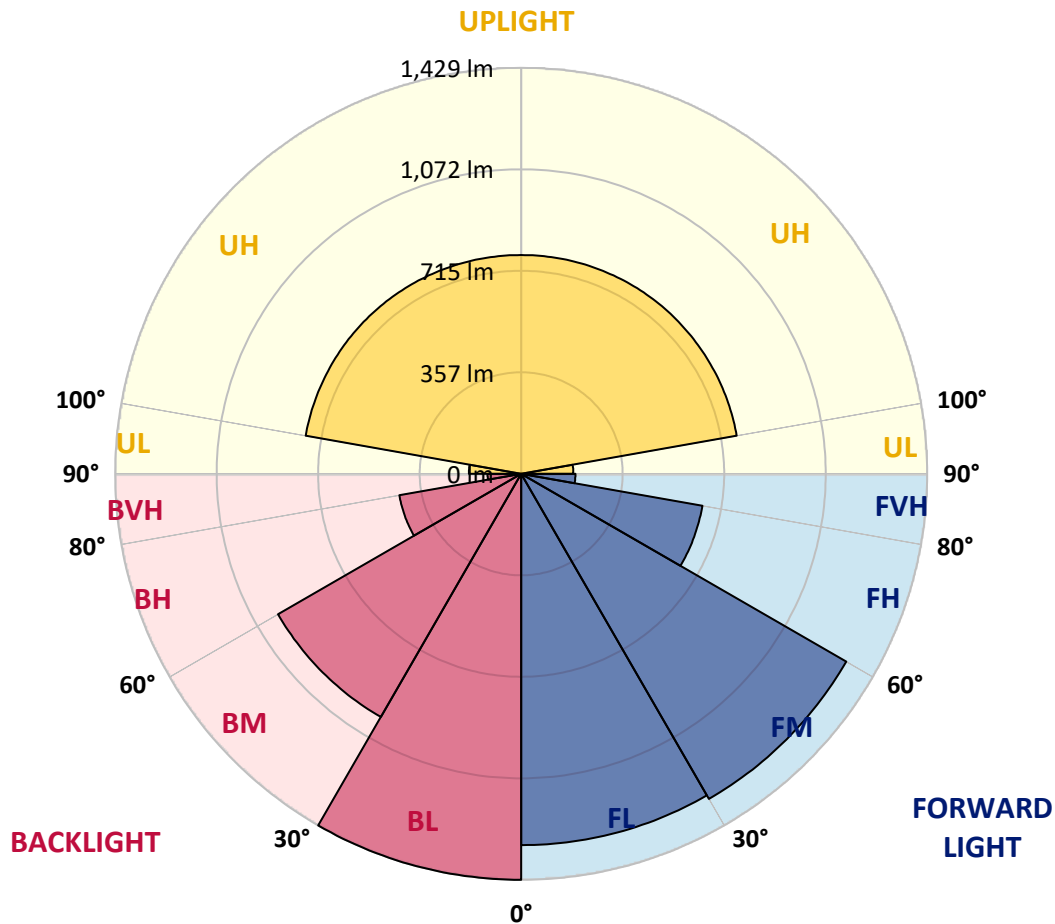
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1307.3	17.7			
FM	(30°-60°)	1321.6	17.9			
FH	(60°-80°)	648.0	8.8			G0/660
FVH	(80°-90°)	191.1	2.6			G2/225
BL	(0°-30°)	1429.3	19.3	B3/2500		
BM	(30°-60°)	988.4	13.4	B1/1000		
BH	(60°-80°)	435.5	5.9	B1/500		G1/500
BVH	(80°-90°)	118.5	1.6			G2/225
UL	(90°-100°)	183.8	2.5		U3/500	
UH	(100°-180°)	770.3	10.4		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



REPORT NUMBER: P691806

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5
2.5°	4768.4	4838.8	4874.1	4979.8	5015.0	5082.5	5185.3	5288.1	5461.3	5590.5	5690.3
5°	3908.1	3966.8	4031.4	4166.5	4245.7	4386.7	4551.1	4727.3	4950.4	5176.5	5293.9
7.5°	3406.0	3420.7	3514.6	3679.0	3822.9	3972.7	4151.8	4304.5	4457.1	4642.1	4759.6
10°	3130.0	3150.5	3212.2	3338.4	3461.8	3585.1	3726.0	3843.5	3999.1	4154.7	4225.2
12.5°	3047.8	3056.6	3109.4	3182.8	3262.1	3341.4	3450.0	3555.7	3693.7	3828.8	3875.8
15°	3121.2	3121.2	3130.0	3159.3	3200.4	3262.1	3344.3	3435.3	3561.6	3661.4	3711.3
17.5°	3156.4	3159.3	3182.8	3188.7	3226.9	3253.3	3326.7	3397.2	3517.6	3599.8	3626.2
20°	3250.4	3250.4	3253.3	3268.0	3273.9	3288.5	3320.8	3359.0	3458.8	3502.9	3497.0
22.5°	3279.7	3268.0	3315.0	3400.1	3397.2	3400.1	3370.7	3379.6	3435.3	3417.7	3376.6
25°	2692.5	2677.8	2730.7	2783.5	2859.8	2956.7	3197.5	3385.4	3455.9	3400.1	3309.1
27.5°	2504.6	2440.0	2425.3	2299.0	2184.5	1996.6	1979.0	1861.5	1849.8	1923.2	1990.7
30°	1779.3	1782.3	1779.3	1767.6	1758.8	1767.6	1776.4	1755.8	1761.7	1808.7	1788.1
32.5°	1735.3	1735.3	1723.5	1717.7	1691.2	1682.4	1667.8	1629.6	1635.5	1670.7	1661.9
35°	1617.8	1612.0	1614.9	1600.2	1553.2	1515.1	1509.2	1476.9	1476.9	1497.5	1488.6
37.5°	1441.7	1432.9	1468.1	1465.2	1427.0	1412.3	1397.6	1377.1	1377.1	1394.7	1377.1
40°	1303.7	1297.8	1336.0	1347.7	1324.2	1330.1	1333.0	1315.4	1333.0	1336.0	1312.5
42.5°	1156.9	1153.9	1186.2	1183.3	1162.7	1159.8	1156.9	1145.1	1174.5	1198.0	1180.3
45°	983.6	974.8	998.3	1007.1	1001.2	992.4	989.5	989.5	1007.1	1018.9	1001.2
47.5°	869.1	872.0	889.7	910.2	916.1	922.0	919.0	913.2	924.9	927.8	913.2
50°	830.9	833.9	860.3	883.8	901.4	913.2	913.2	904.3	913.2	904.3	883.8
52.5°	848.6	848.6	883.8	919.0	948.4	968.9	971.9	960.1	960.1	936.6	904.3
55°	854.4	860.3	907.3	966.0	1018.9	1074.6	1101.1	1092.3	1101.1	1051.2	998.3
57.5°	798.6	813.3	860.3	930.8	1001.2	1089.3	1145.1	1151.0	1148.1	1104.0	1039.4
60°	725.2	737.0	769.3	830.9	898.5	968.9	1024.7	1036.5	1048.2	1027.7	968.9
62.5°	675.3	681.2	707.6	751.7	798.6	836.8	857.4	854.4	866.2	860.3	816.3
65°	631.3	634.2	663.6	698.8	728.2	766.3	772.2	772.2	781.0	769.3	734.0
67.5°	584.3	584.3	607.8	640.1	675.3	707.6	716.4	719.4	731.1	719.4	692.9
70°	543.2	543.2	563.7	590.2	616.6	648.9	657.7	660.6	675.3	660.6	634.2
72.5°	505.0	505.0	522.6	546.1	569.6	596.0	604.9	607.8	619.5	604.9	584.3
75°	463.9	466.9	481.5	502.1	522.6	546.1	557.9	557.9	566.7	549.1	531.5
77.5°	422.8	425.7	440.4	458.0	475.7	499.2	505.0	508.0	516.8	499.2	481.5
80°	381.7	387.6	399.3	414.0	431.6	449.2	461.0	461.0	466.9	449.2	437.5
82.5°	343.5	349.4	358.2	370.0	387.6	405.2	416.9	416.9	419.9	405.2	390.5
85°	305.4	311.2	320.0	328.9	343.5	361.2	372.9	372.9	375.8	361.2	349.4
87.5°	270.1	276.0	281.9	290.7	302.4	320.0	331.8	331.8	331.8	320.0	308.3
90°	234.9	237.8	243.7	252.5	264.3	278.9	287.7	290.7	290.7	276.0	270.1
92.5°	208.5	208.5	214.3	220.2	232.0	243.7	252.5	255.4	255.4	246.6	237.8
95°	179.1	182.0	185.0	190.9	199.7	208.5	220.2	220.2	220.2	214.3	208.5
97.5°	158.6	155.6	158.6	161.5	170.3	176.2	185.0	187.9	187.9	182.0	179.1
100°	135.1	138.0	138.0	140.9	143.9	146.8	152.7	155.6	155.6	152.7	152.7
102.5°	126.3	123.3	123.3	123.3	123.3	123.3	126.3	126.3	129.2	126.3	123.3
105°	117.4	117.4	117.4	117.4	114.5	114.5	114.5	114.5	111.6	108.6	108.6
107.5°	114.5	114.5	114.5	114.5	111.6	111.6	108.6	108.6	105.7	102.8	99.8
110°	114.5	114.5	114.5	114.5	111.6	108.6	108.6	105.7	102.8	99.8	96.9

REPORT NUMBER: P691806

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	120.4	120.4	120.4	120.4	114.5	111.6	108.6	108.6	102.8	99.8	96.9
115°	132.1	132.1	129.2	129.2	126.3	120.4	117.4	114.5	111.6	105.7	102.8
117.5°	143.9	143.9	143.9	143.9	140.9	135.1	129.2	126.3	123.3	114.5	111.6
120°	164.4	164.4	164.4	167.4	161.5	155.6	149.7	143.9	140.9	132.1	126.3
122.5°	190.9	187.9	193.8	196.7	193.8	185.0	176.2	170.3	164.4	152.7	146.8
125°	217.3	217.3	223.2	232.0	232.0	223.2	211.4	202.6	196.7	179.1	170.3
127.5°	249.6	249.6	258.4	273.1	276.0	267.2	255.4	243.7	234.9	211.4	202.6
130°	278.9	278.9	296.6	314.2	323.0	314.2	302.4	287.7	276.0	249.6	234.9
132.5°	302.4	305.4	325.9	349.4	361.2	358.2	343.5	331.8	320.0	287.7	270.1
135°	325.9	328.9	352.3	381.7	396.4	396.4	384.6	370.0	355.3	320.0	299.5
137.5°	337.7	340.6	370.0	399.3	416.9	422.8	416.9	402.3	387.6	349.4	323.0
140°	337.7	343.5	372.9	402.3	419.9	428.7	428.7	414.0	399.3	364.1	337.7
142.5°	328.9	334.7	361.2	390.5	408.1	419.9	422.8	411.1	396.4	361.2	334.7
145°	311.2	314.2	340.6	367.0	384.6	399.3	405.2	396.4	378.8	349.4	323.0
147.5°	281.9	281.9	305.4	325.9	349.4	364.1	372.9	367.0	352.3	325.9	302.4
150°	240.8	240.8	258.4	278.9	299.5	317.1	325.9	325.9	311.2	290.7	267.2
152.5°	190.9	193.8	205.5	223.2	243.7	258.4	270.1	270.1	261.3	243.7	223.2
155°	146.8	146.8	155.6	167.4	185.0	199.7	208.5	208.5	202.6	187.9	176.2
157.5°	105.7	105.7	111.6	123.3	135.1	146.8	155.6	155.6	149.7	140.9	132.1
160°	70.5	70.5	73.4	82.2	91.0	99.8	105.7	108.6	105.7	99.8	91.0
162.5°	38.2	38.2	41.1	47.0	52.9	61.7	64.6	67.5	67.5	61.7	58.7
165°	11.7	11.7	11.7	17.6	20.6	26.4	29.4	32.3	32.3	32.3	29.4
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	5.9	8.8	8.8	8.8	8.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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: P691806

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5	6189.5
2.5°	5784.3	6001.6	6242.3	6489.0	6741.5	6979.3	7179.0	7337.5	7422.7	7443.2	7431.5
5°	5399.7	5655.1	5937.0	6224.7	6553.6	6932.3	7278.8	7528.4	7657.6	7678.1	7684.0
7.5°	4850.6	5073.7	5349.7	5681.5	6095.5	6500.7	7035.1	7408.0	7616.5	7672.3	7672.3
10°	4272.2	4468.9	4642.1	4932.8	5293.9	5672.7	6127.8	6471.4	6682.8	6750.3	6691.6
12.5°	3946.2	4031.4	4148.8	4363.2	4589.3	4877.0	5270.5	5493.6	5631.6	5672.7	5637.5
15°	3737.8	3781.8	3831.7	3922.7	4081.3	4260.4	4492.4	4630.4	4715.5	4765.4	4747.8
17.5°	3637.9	3637.9	3629.1	3649.7	3690.8	3773.0	3931.6	3981.5	4019.6	4040.2	4028.5
20°	3485.3	3438.3	3400.1	3341.4	3317.9	3315.0	3353.1	3406.0	3403.0	3406.0	3382.5
22.5°	3332.6	3235.7	3141.7	3053.6	2953.8	2903.9	2868.7	2886.3	2871.6	2886.3	2871.6
25°	3259.2	3062.4	2874.5	2660.2	2481.1	2343.1	2252.1	2196.3	2102.3	2137.5	2105.2
27.5°	2023.0	1940.8	1861.5	1703.0	1553.2	1500.4	1456.4	1432.9	1415.2	1424.1	1418.2
30°	1752.9	1685.4	1623.7	1541.5	1427.0	1356.5	1303.7	1256.7	1242.0	1244.9	1242.0
32.5°	1626.6	1573.8	1497.5	1412.3	1309.5	1221.5	1159.8	1115.8	1092.3	1106.9	1095.2
35°	1456.4	1403.5	1338.9	1259.6	1171.5	1092.3	1033.5	992.4	966.0	971.9	968.9
37.5°	1344.8	1294.9	1239.1	1153.9	1077.6	1001.2	942.5	901.4	875.0	880.9	875.0
40°	1280.2	1224.4	1165.7	1089.3	1013.0	933.7	877.9	830.9	804.5	804.5	804.5
42.5°	1148.1	1104.0	1054.1	974.8	907.3	839.8	784.0	748.7	719.4	722.3	716.4
45°	980.7	948.4	910.2	857.4	801.6	748.7	701.7	675.3	651.8	654.8	651.8
47.5°	895.5	866.2	822.1	781.0	731.1	684.1	643.0	610.7	593.1	596.0	590.2
50°	863.2	828.0	778.1	722.3	675.3	628.3	587.2	563.7	546.1	549.1	546.1
52.5°	875.0	819.2	748.7	681.2	625.4	578.4	546.1	519.7	508.0	510.9	505.0
55°	951.3	854.4	748.7	663.6	593.1	540.3	508.0	478.6	466.9	466.9	466.9
57.5°	977.8	872.0	739.9	643.0	566.7	513.8	475.7	446.3	434.6	434.6	434.6
60°	916.1	825.1	704.7	613.7	543.2	493.3	461.0	440.4	431.6	431.6	431.6
62.5°	784.0	725.2	634.2	560.8	508.0	463.9	431.6	405.2	396.4	393.4	393.4
65°	710.6	654.8	578.4	516.8	469.8	434.6	405.2	384.6	372.9	372.9	372.9
67.5°	663.6	610.7	540.3	481.5	437.5	399.3	372.9	352.3	346.5	343.5	343.5
70°	610.7	560.8	490.3	437.5	396.4	364.1	337.7	320.0	314.2	314.2	311.2
72.5°	557.9	510.9	443.4	393.4	355.3	325.9	302.4	287.7	281.9	278.9	278.9
75°	508.0	461.0	399.3	352.3	317.1	290.7	270.1	255.4	249.6	249.6	249.6
77.5°	461.0	416.9	358.2	314.2	284.8	258.4	240.8	229.0	223.2	223.2	223.2
80°	416.9	372.9	320.0	278.9	249.6	229.0	214.3	202.6	196.7	199.7	196.7
82.5°	370.0	334.7	284.8	246.6	223.2	202.6	187.9	179.1	173.2	176.2	173.2
85°	331.8	296.6	249.6	217.3	193.8	176.2	164.4	155.6	149.7	152.7	149.7
87.5°	293.6	261.3	220.2	190.9	170.3	155.6	140.9	135.1	132.1	132.1	129.2
90°	252.5	223.2	187.9	164.4	143.9	132.1	120.4	114.5	111.6	108.6	108.6
92.5°	223.2	199.7	167.4	146.8	129.2	120.4	108.6	102.8	99.8	99.8	99.8
95°	196.7	176.2	149.7	132.1	120.4	108.6	99.8	96.9	94.0	94.0	91.0
97.5°	170.3	152.7	135.1	120.4	108.6	99.8	91.0	88.1	85.1	85.1	85.1
100°	143.9	132.1	117.4	105.7	96.9	91.0	82.2	79.3	76.3	76.3	76.3
102.5°	120.4	111.6	99.8	91.0	85.1	79.3	73.4	70.5	67.5	67.5	67.5
105°	105.7	96.9	91.0	82.2	76.3	70.5	67.5	61.7	58.7	58.7	58.7
107.5°	96.9	91.0	85.1	79.3	73.4	67.5	61.7	55.8	52.9	52.9	52.9
110°	94.0	88.1	82.2	76.3	70.5	64.6	61.7	52.9	49.9	49.9	49.9

REPORT NUMBER: P691806

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	94.0	91.0	85.1	79.3	73.4	67.5	61.7	49.9	47.0	47.0	47.0
115°	99.8	94.0	88.1	82.2	76.3	70.5	64.6	49.9	47.0	47.0	47.0
117.5°	108.6	102.8	94.0	88.1	82.2	73.4	64.6	52.9	47.0	47.0	47.0
120°	123.3	114.5	105.7	96.9	88.1	79.3	67.5	52.9	44.0	47.0	47.0
122.5°	140.9	132.1	117.4	105.7	96.9	85.1	70.5	55.8	44.0	47.0	47.0
125°	164.4	152.7	135.1	120.4	105.7	91.0	73.4	55.8	44.0	47.0	49.9
127.5°	190.9	173.2	152.7	132.1	114.5	96.9	79.3	58.7	44.0	49.9	49.9
130°	220.2	199.7	173.2	146.8	126.3	102.8	82.2	58.7	47.0	47.0	47.0
132.5°	252.5	223.2	187.9	158.6	132.1	105.7	82.2	58.7	47.0	47.0	47.0
135°	276.0	240.8	202.6	167.4	138.0	108.6	85.1	58.7	44.0	44.0	44.0
137.5°	296.6	255.4	214.3	173.2	140.9	108.6	82.2	55.8	44.0	41.1	41.1
140°	308.3	261.3	214.3	173.2	138.0	105.7	76.3	52.9	38.2	38.2	38.2
142.5°	308.3	258.4	211.4	167.4	129.2	99.8	73.4	47.0	35.2	35.2	35.2
145°	296.6	246.6	199.7	158.6	120.4	91.0	64.6	44.0	32.3	32.3	32.3
147.5°	276.0	226.1	182.0	143.9	105.7	79.3	55.8	35.2	26.4	26.4	26.4
150°	246.6	199.7	158.6	123.3	91.0	64.6	47.0	29.4	20.6	20.6	20.6
152.5°	205.5	167.4	129.2	102.8	73.4	52.9	35.2	23.5	17.6	17.6	17.6
155°	161.5	132.1	102.8	79.3	55.8	38.2	26.4	17.6	11.7	11.7	11.7
157.5°	123.3	99.8	76.3	58.7	41.1	29.4	20.6	11.7	8.8	8.8	8.8
160°	85.1	67.5	52.9	41.1	26.4	20.6	14.7	8.8	5.9	5.9	5.9
162.5°	55.8	44.0	32.3	23.5	17.6	11.7	8.8	5.9	2.9	2.9	2.9
165°	26.4	20.6	17.6	11.7	8.8	5.9	2.9	2.9	0.0	0.0	0.0
167.5°	8.8	5.9	5.9	2.9	2.9	2.9	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)