

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: P691897

Luminaire Tested: **CRTK2-C01H-D-U-T3-8027-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T3-8027-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6499 lumens
Efficiency: N/A
Efficacy: 92.6 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



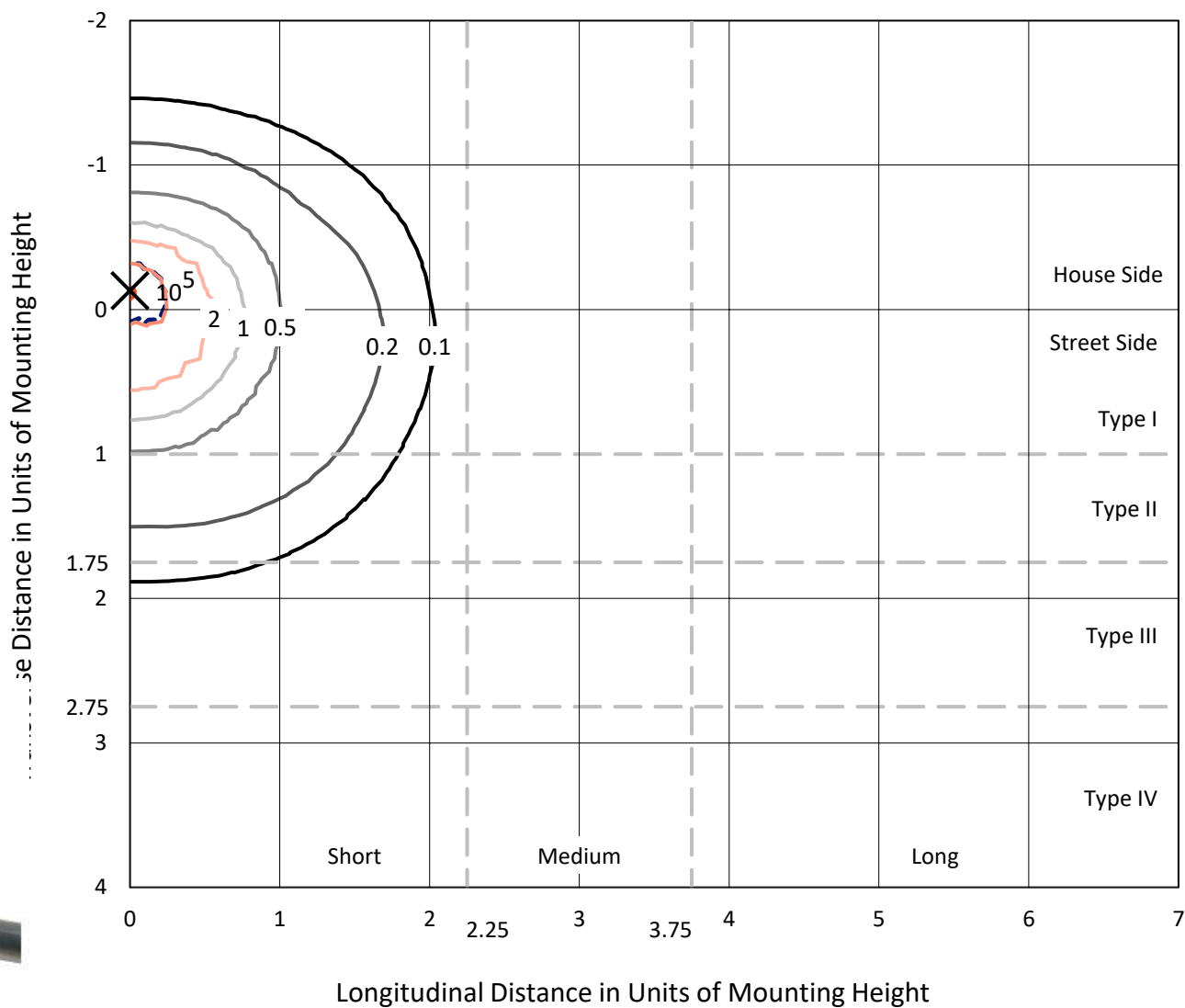
REPORT NUMBER: P691897

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-RMARROA5-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

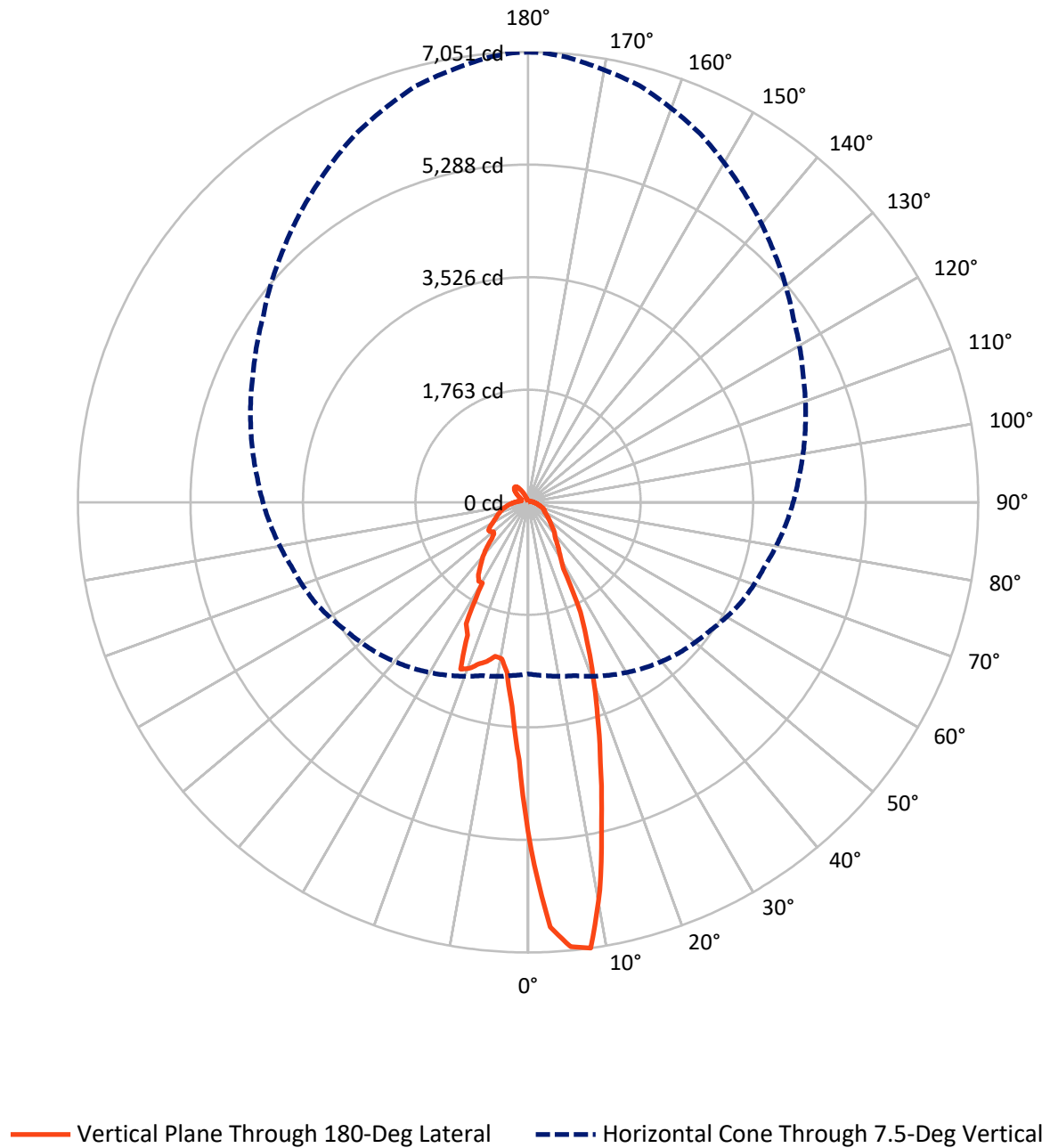


Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type I - Short - N/A

REPORT NUMBER: P691897

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-RMARROA5-HSS-CRTK2

Luminous Intensity Polar Plot



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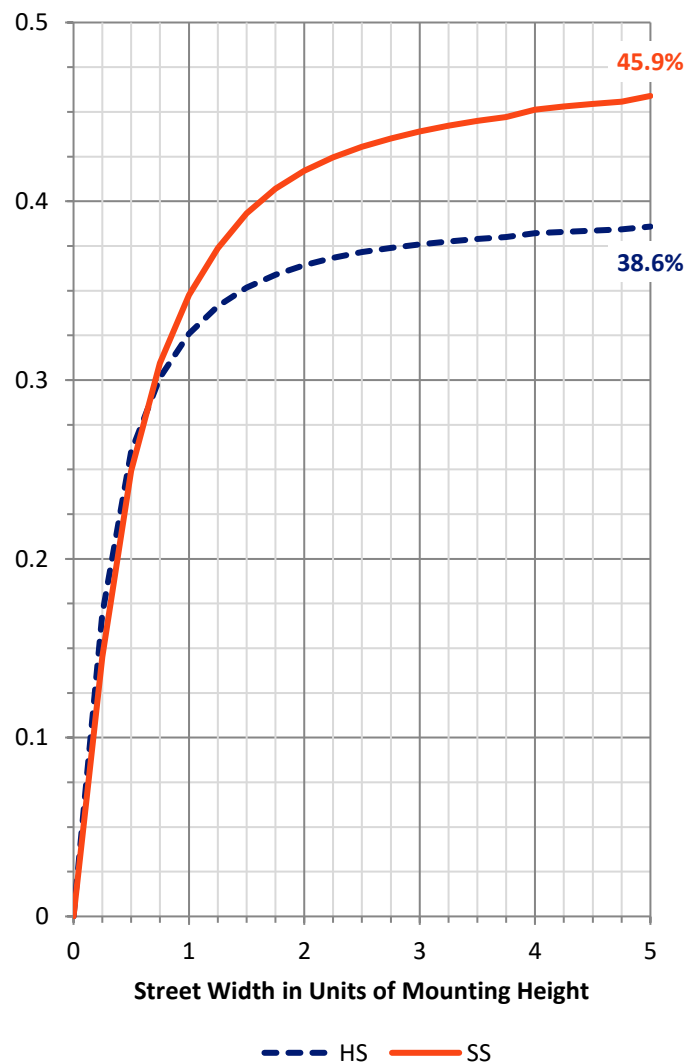
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2573.1	268.3	2841.4
	% Fixture	39.6	4.1	43.7
Street Side	Lumens	3068.3	589.3	3657.6
	% Fixture	47.2	9.1	56.3
Total	Lumens	5641.4	857.6	6499.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.4	6.7
10°-20°	931.5	14.3
20°-30°	1028.6	15.8
30°-40°	746.0	11.5
40°-50°	628.5	9.7
50°-60°	641.7	9.9
60°-70°	546.9	8.4
70°-80°	407.7	6.3
80°-90°	275.2	4.2
90°-100°	164.5	2.5
100°-110°	94.6	1.5
110°-120°	88.4	1.4
120°-130°	128.8	2.0
130°-140°	175.0	2.7
140°-150°	142.5	2.2
150°-160°	56.8	0.9
160°-170°	6.9	0.1
170°-180°	0.0	0.0
0°-90°	5641.4	86.8
0°-180°	6499.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691897

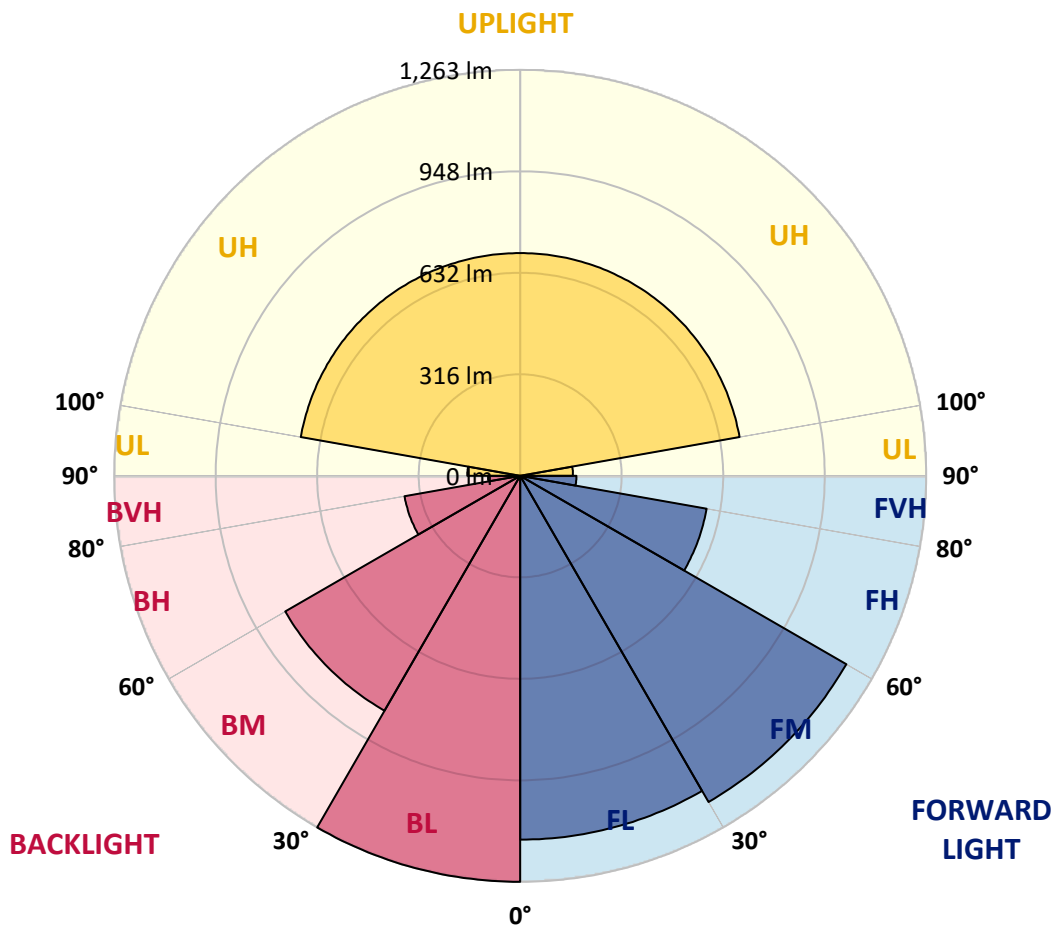
CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1132.1	17.4			
FM	(30°-60°)	1172.1	18.0			
FH	(60°-80°)	589.1	9.1			G0/660
FVH	(80°-90°)	175.0	2.7			G2/225
BL	(0°-30°)	1263.4	19.4	B3/2500		
BM	(30°-60°)	844.1	13.0	B1/1000		
BH	(60°-80°)	365.4	5.6	B1/500		G1/500
BVH	(80°-90°)	100.1	1.5			G2/225
UL	(90°-100°)	164.5	2.5		U3/500	
UH	(100°-180°)	693.1	10.7		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



REPORT NUMBER: P691897

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4
2.5°	4033.3	4126.9	4135.4	4237.5	4314.1	4385.0	4436.0	4583.5	4733.8	4875.7	4957.9
5°	3202.2	3247.6	3329.9	3440.5	3582.3	3692.9	3851.7	4058.8	4257.3	4506.9	4628.9
7.5°	2688.8	2722.9	2810.8	2989.5	3168.2	3338.4	3491.5	3690.1	3843.2	4050.3	4152.4
10°	2484.6	2504.5	2578.2	2703.0	2873.2	3015.0	3148.3	3298.7	3434.8	3624.8	3698.6
12.5°	2464.8	2473.3	2532.8	2620.8	2720.0	2836.3	2946.9	3074.6	3219.2	3369.6	3426.3
15°	2572.6	2566.9	2586.7	2637.8	2694.5	2785.3	2887.4	3003.7	3142.7	3253.3	3298.7
17.5°	2649.1	2646.3	2683.2	2705.9	2759.8	2813.6	2915.7	3006.5	3142.7	3230.6	3256.1
20°	2759.8	2765.4	2776.8	2819.3	2842.0	2878.9	2941.3	2995.2	3111.5	3162.5	3156.8
22.5°	2819.3	2816.5	2864.7	2964.0	2989.5	3009.3	3020.7	3043.4	3108.6	3105.8	3063.2
25°	2286.1	2291.8	2303.1	2388.2	2496.0	2671.8	2816.5	3043.4	3165.3	3120.0	3029.2
27.5°	2135.8	2118.7	2059.2	2011.0	1866.3	1769.9	1679.1	1639.4	1659.3	1693.3	1786.9
30°	1455.0	1457.9	1463.5	1472.1	1486.2	1523.1	1548.6	1551.5	1571.3	1628.1	1608.2
32.5°	1457.9	1460.7	1452.2	1460.7	1455.0	1469.2	1466.4	1455.0	1472.1	1523.1	1503.3
35°	1369.9	1364.3	1369.9	1372.8	1341.6	1330.2	1327.4	1318.9	1330.2	1355.8	1338.7
37.5°	1233.8	1231.0	1256.5	1270.7	1245.2	1245.2	1239.5	1228.1	1236.6	1259.3	1236.6
40°	1114.7	1117.5	1154.4	1177.1	1168.6	1177.1	1185.6	1182.8	1202.6	1211.1	1182.8
42.5°	984.2	978.5	1015.4	1032.4	1015.4	1021.1	1018.2	1021.1	1060.8	1077.8	1058.0
45°	822.5	831.0	848.1	870.8	867.9	876.4	873.6	879.3	904.8	913.3	899.1
47.5°	731.8	737.4	757.3	782.8	797.0	811.2	811.2	814.0	831.0	833.9	819.7
50°	711.9	717.6	743.1	771.5	794.2	811.2	819.7	816.9	825.4	819.7	799.8
52.5°	746.0	746.0	785.7	819.7	848.1	879.3	890.6	879.3	879.3	856.6	825.4
55°	760.1	763.0	811.2	870.8	924.6	981.4	1018.2	1015.4	1012.6	975.7	919.0
57.5°	714.8	723.3	771.5	839.6	913.3	1004.1	1058.0	1066.5	1066.5	1018.2	955.8
60°	649.5	655.2	692.1	748.8	822.5	890.6	947.3	953.0	970.0	944.5	887.8
62.5°	595.6	601.3	632.5	675.0	728.9	771.5	788.5	788.5	797.0	788.5	748.8
65°	555.9	558.8	584.3	621.2	658.0	692.1	709.1	703.4	714.8	703.4	672.2
67.5°	519.0	519.0	541.7	570.1	604.1	643.8	655.2	660.9	672.2	658.0	629.7
70°	482.2	485.0	507.7	530.4	561.6	590.0	601.3	604.1	618.3	601.3	581.4
72.5°	451.0	451.0	470.8	493.5	516.2	544.6	553.1	558.8	567.3	550.2	533.2
75°	414.1	416.9	434.0	453.8	473.7	502.0	510.5	513.4	521.9	502.0	485.0
77.5°	380.1	382.9	397.1	414.1	434.0	456.6	465.2	470.8	473.7	456.6	439.6
80°	346.0	348.9	360.2	377.2	394.3	416.9	422.6	425.4	431.1	411.3	399.9
82.5°	314.8	314.8	323.3	337.5	354.5	374.4	382.9	385.7	388.6	371.6	360.2
85°	278.0	278.0	286.5	300.7	314.8	334.7	343.2	346.0	346.0	331.9	320.5
87.5°	246.8	246.8	252.4	263.8	275.1	295.0	303.5	309.2	306.3	295.0	283.6
90°	215.6	215.6	221.2	229.7	241.1	258.1	266.6	269.5	269.5	255.3	246.8
92.5°	187.2	187.2	192.9	201.4	209.9	224.1	232.6	238.3	238.3	226.9	218.4
95°	161.7	161.7	164.5	173.0	181.5	192.9	198.5	204.2	204.2	198.5	190.0
97.5°	139.0	139.0	141.8	147.5	153.2	161.7	167.3	173.0	173.0	170.2	164.5
100°	122.0	122.0	122.0	124.8	130.5	133.3	139.0	144.7	144.7	141.8	139.0
102.5°	110.6	110.6	110.6	110.6	110.6	113.5	113.5	116.3	116.3	116.3	113.5
105°	104.9	104.9	104.9	104.9	104.9	104.9	104.9	104.9	102.1	99.3	96.4
107.5°	104.9	102.1	102.1	102.1	102.1	99.3	99.3	99.3	96.4	93.6	90.8
110°	104.9	104.9	104.9	104.9	102.1	99.3	99.3	96.4	93.6	90.8	87.9

REPORT NUMBER: P691897

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	110.6	110.6	110.6	107.8	104.9	104.9	102.1	99.3	96.4	90.8	87.9
115°	119.1	119.1	119.1	119.1	116.3	110.6	107.8	104.9	99.3	96.4	93.6
117.5°	133.3	133.3	133.3	133.3	127.6	124.8	119.1	116.3	110.6	104.9	102.1
120°	150.3	150.3	153.2	153.2	150.3	144.7	136.1	133.3	127.6	119.1	113.5
122.5°	175.9	173.0	178.7	178.7	178.7	173.0	161.7	156.0	150.3	139.0	133.3
125°	201.4	201.4	207.1	212.7	215.6	207.1	195.7	187.2	178.7	164.5	156.0
127.5°	229.7	229.7	241.1	252.4	258.1	249.6	235.4	226.9	215.6	195.7	184.4
130°	258.1	258.1	275.1	292.1	300.7	295.0	280.8	269.5	255.3	229.7	215.6
132.5°	283.6	283.6	303.5	326.2	337.5	334.7	320.5	309.2	297.8	266.6	246.8
135°	303.5	306.3	331.9	357.4	371.6	374.4	360.2	346.0	331.9	297.8	275.1
137.5°	314.8	320.5	346.0	377.2	391.4	399.9	391.4	377.2	360.2	323.3	297.8
140°	317.7	320.5	348.9	380.1	394.3	405.6	405.6	388.6	374.4	337.5	309.2
142.5°	309.2	312.0	340.4	368.7	382.9	397.1	399.9	385.7	371.6	337.5	309.2
145°	289.3	295.0	320.5	343.2	363.1	377.2	382.9	374.4	357.4	326.2	300.7
147.5°	263.8	266.6	289.3	309.2	329.0	346.0	354.5	346.0	331.9	303.5	280.8
150°	224.1	226.9	243.9	260.9	283.6	300.7	312.0	306.3	295.0	272.3	249.6
152.5°	181.5	181.5	195.7	209.9	229.7	246.8	258.1	255.3	246.8	226.9	209.9
155°	139.0	139.0	147.5	158.8	175.9	187.2	198.5	198.5	192.9	178.7	164.5
157.5°	99.3	99.3	107.8	116.3	127.6	139.0	147.5	147.5	144.7	133.3	124.8
160°	65.2	65.2	70.9	76.6	87.9	93.6	102.1	102.1	99.3	93.6	87.9
162.5°	34.0	34.0	39.7	42.5	51.1	56.7	62.4	65.2	65.2	59.6	56.7
165°	11.3	11.3	11.3	14.2	19.9	25.5	28.4	31.2	31.2	28.4	28.4
167.5°	2.8	2.8	2.8	2.8	2.8	2.8	5.7	8.5	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: P691897

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4	5434.4
2.5°	5045.8	5303.9	5525.2	5757.8	6015.9	6234.3	6455.5	6577.5	6682.4	6662.5	6662.5
5°	4748.0	5006.1	5275.6	5559.2	5908.1	6265.5	6605.8	6849.7	6977.4	6997.2	6994.4
7.5°	4254.5	4495.6	4750.9	5065.7	5474.1	5910.9	6373.2	6756.1	6997.2	7042.6	7051.1
10°	3766.6	3948.2	4163.7	4379.3	4745.2	5145.1	5559.2	5865.5	6101.0	6135.0	6174.7
12.5°	3474.5	3573.8	3712.8	3863.1	4101.3	4393.5	4733.8	4909.7	5060.0	5077.0	5113.9
15°	3324.2	3372.4	3406.4	3460.3	3602.1	3783.7	3939.7	4112.7	4175.1	4217.6	4237.5
17.5°	3264.6	3258.9	3224.9	3224.9	3236.3	3304.3	3403.6	3463.2	3502.9	3522.7	3528.4
20°	3142.7	3091.6	3023.5	2932.8	2884.6	2861.9	2887.4	2901.6	2890.2	2876.0	2901.6
22.5°	3015.0	2907.2	2785.3	2680.3	2555.5	2479.0	2405.2	2379.7	2348.5	2368.3	2368.3
25°	2975.3	2785.3	2589.6	2413.7	2226.5	2098.9	1962.7	1914.5	1866.3	1906.0	1906.0
27.5°	1758.5	1758.5	1647.9	1500.4	1338.7	1270.7	1216.8	1185.6	1165.7	1174.2	1174.2
30°	1574.2	1500.4	1432.3	1338.7	1214.0	1131.7	1060.8	1018.2	998.4	992.7	998.4
32.5°	1460.7	1404.0	1321.7	1228.1	1117.5	1026.8	947.3	904.8	873.6	879.3	882.1
35°	1307.5	1248.0	1177.1	1089.2	995.6	910.5	839.6	797.0	768.6	768.6	771.5
37.5°	1211.1	1151.6	1083.5	1004.1	913.3	831.0	765.8	714.8	689.2	686.4	686.4
40°	1151.6	1092.0	1029.6	950.2	865.1	780.0	714.8	669.4	638.2	638.2	641.0
42.5°	1043.8	987.0	933.2	862.2	785.7	711.9	649.5	609.8	578.6	572.9	578.6
45°	879.3	848.1	805.5	757.3	692.1	632.5	575.8	541.7	516.2	516.2	513.4
47.5°	805.5	774.3	728.9	680.7	626.8	567.3	521.9	490.7	468.0	468.0	468.0
50°	777.2	743.1	686.4	632.5	570.1	519.0	479.3	448.1	431.1	431.1	428.3
52.5°	791.3	737.4	663.7	587.1	527.6	476.5	436.8	405.6	391.4	391.4	388.6
55°	867.9	771.5	663.7	570.1	499.2	442.5	402.8	368.7	354.5	354.5	354.5
57.5°	899.1	791.3	658.0	553.1	473.7	414.1	365.9	334.7	320.5	320.5	317.7
60°	842.4	751.6	629.7	530.4	453.8	394.3	348.9	317.7	300.7	300.7	297.8
62.5°	717.6	652.4	558.8	485.0	425.4	371.6	331.9	300.7	286.5	286.5	286.5
65°	643.8	587.1	513.4	448.1	394.3	348.9	312.0	286.5	272.3	272.3	272.3
67.5°	601.3	553.1	479.3	416.9	363.1	320.5	286.5	263.8	252.4	249.6	252.4
70°	555.9	504.9	436.8	377.2	329.0	289.3	258.1	235.4	224.1	224.1	224.1
72.5°	507.7	459.5	394.3	340.4	292.1	260.9	229.7	209.9	198.5	198.5	195.7
75°	462.3	414.1	351.7	300.7	260.9	229.7	204.2	187.2	175.9	175.9	175.9
77.5°	419.8	374.4	314.8	269.5	232.6	207.1	181.5	167.3	158.8	158.8	156.0
80°	380.1	337.5	280.8	241.1	207.1	184.4	161.7	150.3	141.8	141.8	141.8
82.5°	340.4	300.7	249.6	212.7	184.4	161.7	144.7	133.3	127.6	124.8	127.6
85°	303.5	266.6	221.2	187.2	161.7	141.8	127.6	116.3	110.6	110.6	110.6
87.5°	269.5	235.4	195.7	164.5	141.8	124.8	110.6	102.1	99.3	96.4	96.4
90°	232.6	201.4	167.3	141.8	122.0	107.8	93.6	87.9	82.3	82.3	82.3
92.5°	207.1	181.5	150.3	127.6	110.6	99.3	87.9	82.3	76.6	76.6	76.6
95°	181.5	158.8	133.3	116.3	102.1	90.8	82.3	76.6	73.7	73.7	73.7
97.5°	156.0	139.0	119.1	104.9	93.6	85.1	76.6	70.9	68.1	68.1	68.1
100°	130.5	119.1	104.9	93.6	85.1	76.6	68.1	65.2	62.4	62.4	62.4
102.5°	107.8	99.3	87.9	79.4	70.9	65.2	59.6	56.7	53.9	53.9	53.9
105°	93.6	87.9	79.4	70.9	65.2	59.6	53.9	48.2	48.2	48.2	48.2
107.5°	87.9	79.4	73.7	68.1	62.4	53.9	51.1	45.4	42.5	42.5	42.5
110°	85.1	79.4	73.7	65.2	59.6	53.9	48.2	42.5	39.7	39.7	39.7

REPORT NUMBER: P691897

CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	85.1	79.4	73.7	68.1	62.4	53.9	51.1	39.7	36.9	36.9	36.9
115°	90.8	85.1	76.6	70.9	62.4	56.7	51.1	39.7	36.9	36.9	36.9
117.5°	96.4	90.8	82.3	76.6	68.1	59.6	51.1	39.7	36.9	36.9	36.9
120°	110.6	102.1	90.8	82.3	73.7	62.4	53.9	39.7	34.0	36.9	36.9
122.5°	124.8	116.3	102.1	90.8	79.4	68.1	53.9	39.7	34.0	36.9	36.9
125°	147.5	133.3	116.3	102.1	85.1	70.9	56.7	39.7	31.2	34.0	36.9
127.5°	173.0	156.0	133.3	113.5	93.6	73.7	56.7	39.7	31.2	34.0	34.0
130°	201.4	178.7	150.3	122.0	99.3	76.6	56.7	39.7	31.2	34.0	34.0
132.5°	229.7	198.5	164.5	133.3	104.9	79.4	56.7	36.9	31.2	31.2	31.2
135°	252.4	215.6	175.9	139.0	107.8	79.4	53.9	36.9	28.4	28.4	28.4
137.5°	272.3	229.7	184.4	141.8	107.8	76.6	51.1	34.0	25.5	25.5	25.5
140°	283.6	235.4	187.2	139.0	102.1	73.7	48.2	31.2	22.7	22.7	22.7
142.5°	283.6	232.6	181.5	136.1	96.4	68.1	42.5	25.5	19.9	19.9	19.9
145°	272.3	221.2	173.0	127.6	87.9	59.6	36.9	22.7	17.0	17.0	17.0
147.5°	255.3	204.2	158.8	116.3	79.4	51.1	31.2	19.9	14.2	14.2	14.2
150°	226.9	181.5	139.0	99.3	68.1	42.5	25.5	17.0	11.3	11.3	11.3
152.5°	190.0	150.3	116.3	82.3	56.7	34.0	22.7	11.3	8.5	8.5	8.5
155°	150.3	119.1	90.8	65.2	42.5	25.5	17.0	11.3	5.7	5.7	5.7
157.5°	113.5	87.9	68.1	48.2	31.2	19.9	11.3	8.5	5.7	5.7	5.7
160°	79.4	62.4	45.4	31.2	19.9	14.2	8.5	5.7	2.8	2.8	2.8
162.5°	51.1	39.7	28.4	19.9	11.3	8.5	5.7	2.8	2.8	2.8	0.0
165°	25.5	19.9	14.2	8.5	5.7	2.8	2.8	2.8	0.0	0.0	0.0
167.5°	5.7	5.7	5.7	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)