

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: P691497

Luminaire Tested: **CRTK2-C016-D-U-T2-8027-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691497
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-C016-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: 3862 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 41.6
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



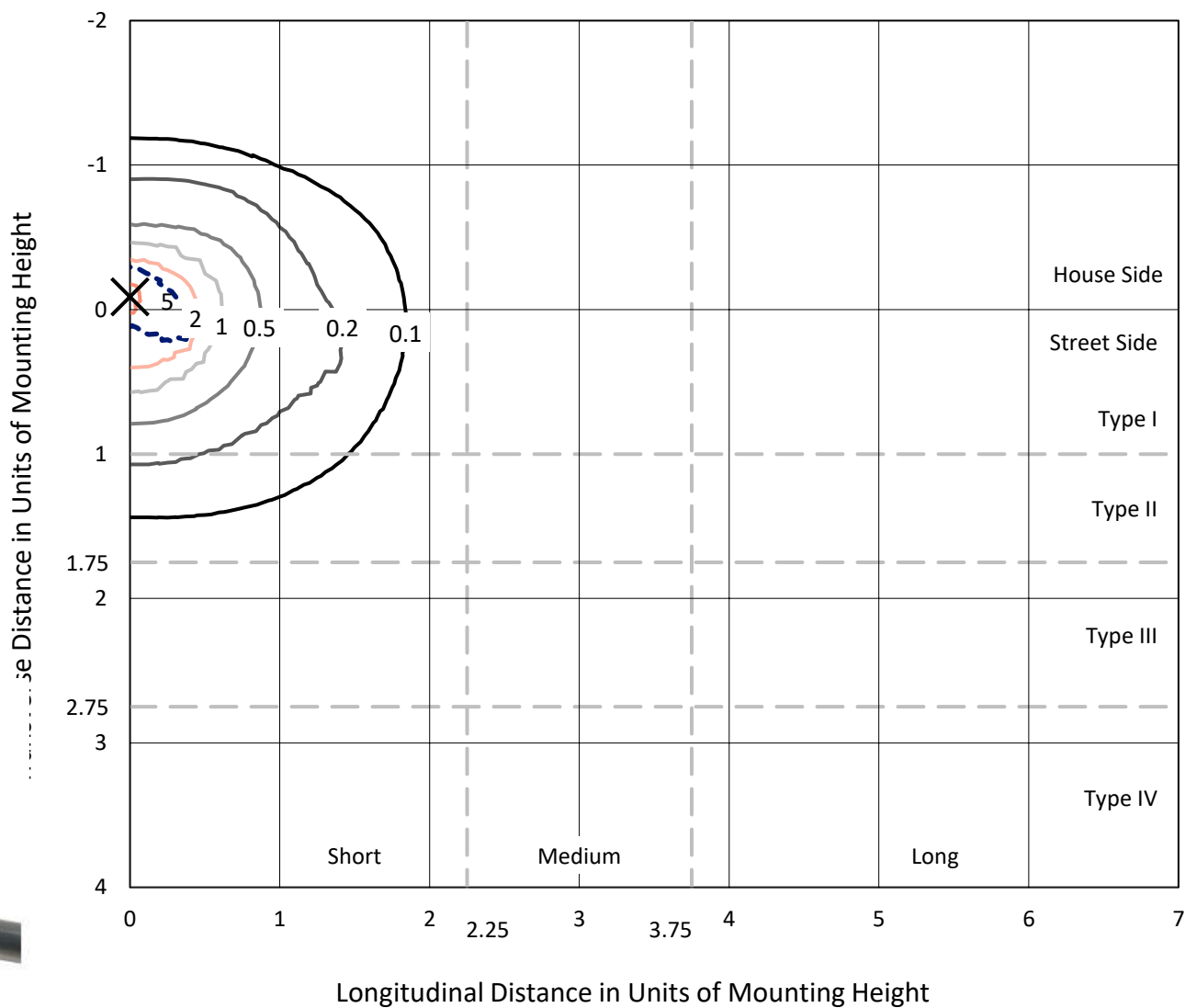
REPORT NUMBER: P691497

CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-RMARROA5-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

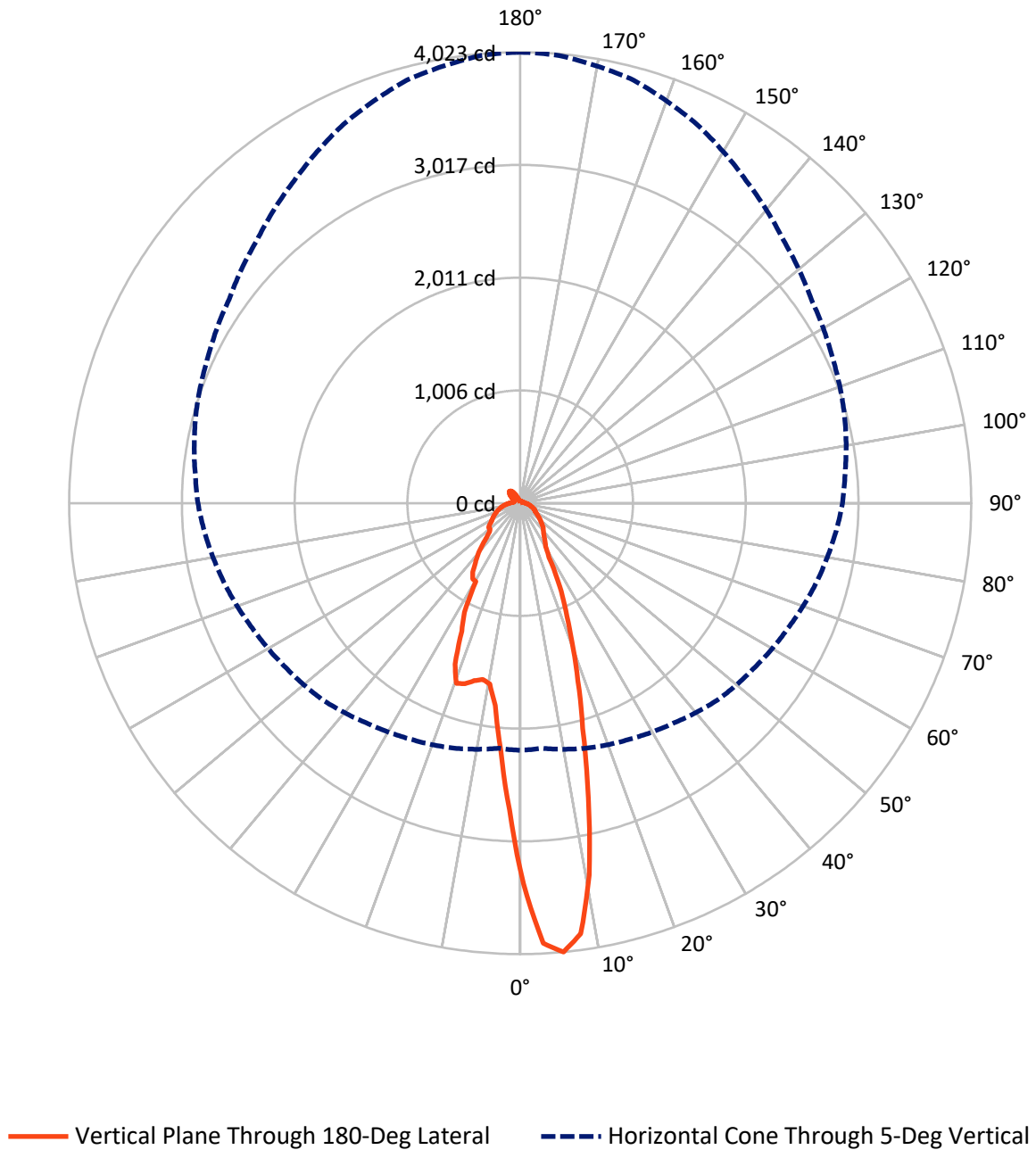


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type I - Short - N/A

REPORT NUMBER: P691497

CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-RMARROA5-HSS-CRTK2

Luminous Intensity Polar Plot



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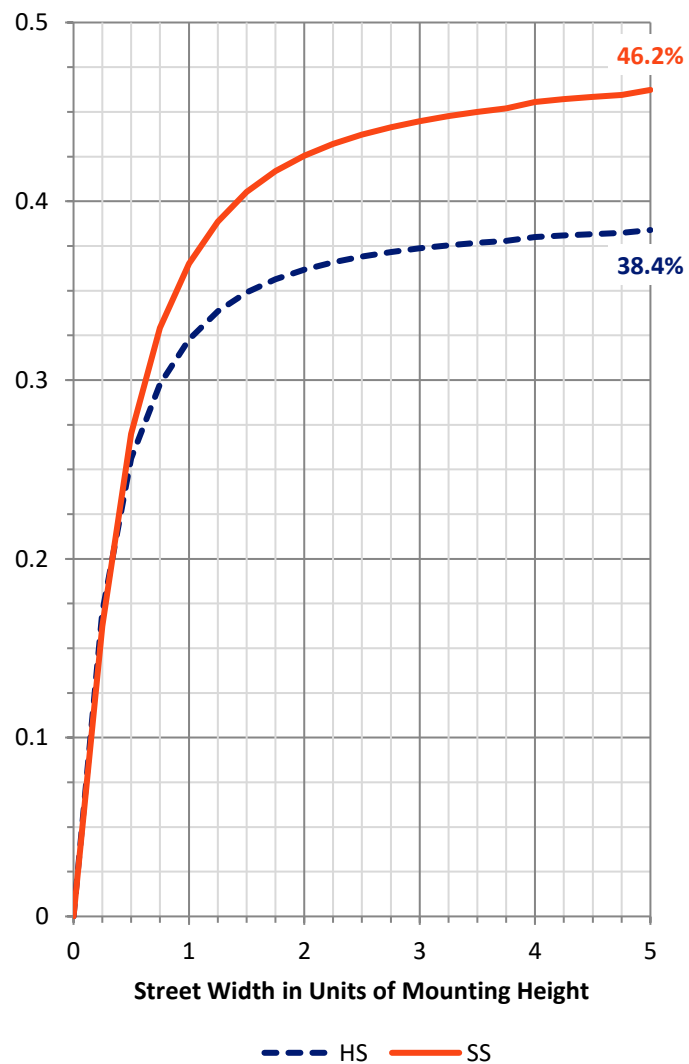
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1522.0	178.7	1700.7
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	1829.2	332.2	2161.4
	% Fixture	47.4	8.6	56.0
Total	Lumens	3351.1	510.9	3862.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.8	6.8
10°-20°	557.7	14.4
20°-30°	606.9	15.7
30°-40°	444.2	11.5
40°-50°	373.5	9.7
50°-60°	379.3	9.8
60°-70°	322.4	8.3
70°-80°	240.6	6.2
80°-90°	163.8	4.2
90°-100°	98.3	2.5
100°-110°	56.4	1.5
110°-120°	51.9	1.3
120°-130°	75.4	2.0
130°-140°	103.7	2.7
140°-150°	85.8	2.2
150°-160°	34.9	0.9
160°-170°	4.3	0.1
170°-180°	0.0	0.0
0°-90°	3351.1	86.8
0°-180°	3862.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691497

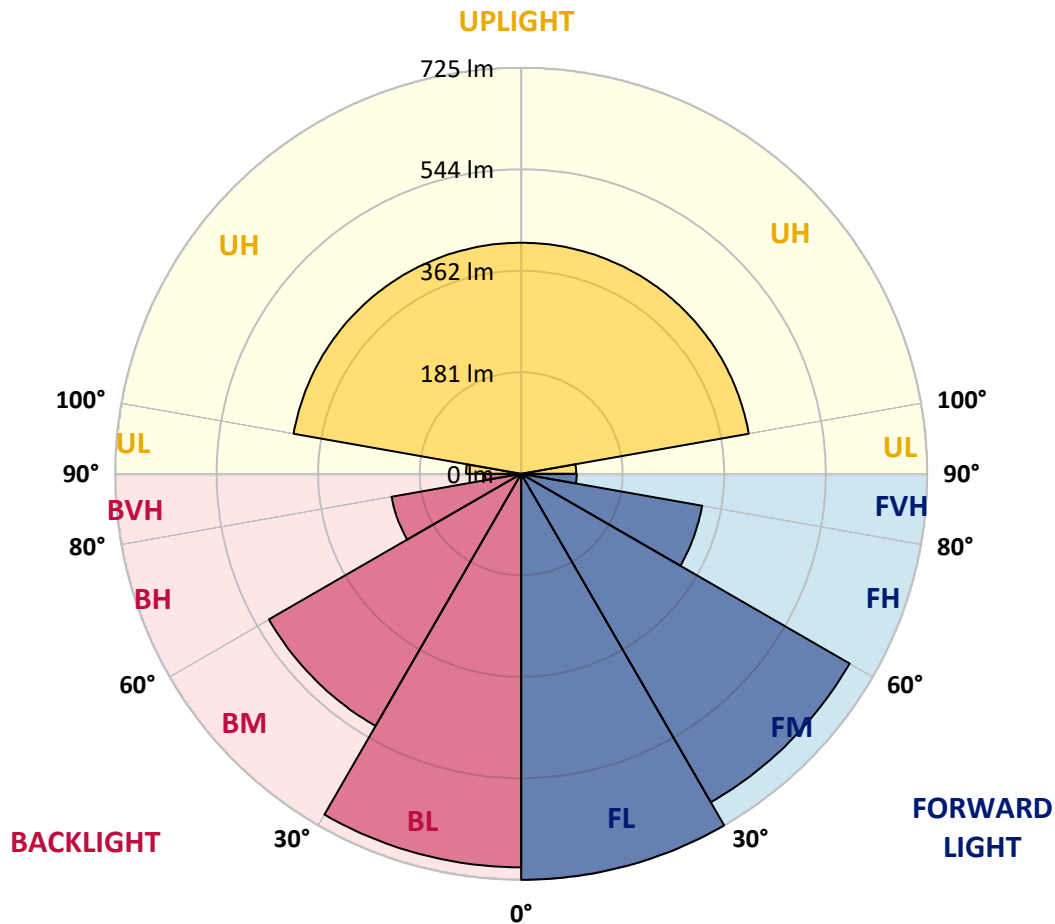
CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	724.8	18.8			
FM	(30°-60°)	677.1	17.5			
FH	(60°-80°)	328.1	8.5			G0/660
FVH	(80°-90°)	99.2	2.6			G1/100
BL	(0°-30°)	702.5	18.2	B2/1000		
BM	(30°-60°)	520.0	13.5	B1/1000		
BH	(60°-80°)	234.9	6.1	B1/500		G1/500
BVH	(80°-90°)	64.6	1.7			G1/100
UL	(90°-100°)	98.3	2.5		U3/500	
UH	(100°-180°)	412.5	10.7		U3/500	

BUG Rating: B2-U3-G1

Type I Short



REPORT NUMBER: P691497

CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0
2.5°	2738.0	2732.8	2770.7	2779.3	2782.7	2822.3	2875.6	2911.7	2977.1	3040.7	3066.5
5°	2204.8	2194.5	2263.3	2321.8	2392.3	2485.2	2554.0	2636.5	2734.6	2829.1	2873.9
7.5°	1817.9	1831.6	1929.7	2050.1	2163.6	2273.6	2357.9	2428.4	2485.2	2545.4	2557.4
10°	1635.6	1647.6	1743.9	1859.2	1964.1	2075.9	2148.1	2208.3	2244.4	2289.1	2304.6
12.5°	1606.3	1614.9	1680.3	1761.1	1840.2	1941.7	2032.9	2099.9	2141.2	2177.3	2180.8
15°	1635.6	1639.0	1678.6	1731.9	1800.7	1885.0	1989.9	2065.5	2112.0	2127.5	2124.0
17.5°	1683.7	1683.7	1702.6	1747.4	1812.7	1893.6	1993.3	2070.7	2118.9	2125.7	2112.0
20°	1704.4	1707.8	1719.8	1769.7	1828.2	1902.2	2001.9	2067.3	2105.1	2086.2	2062.1
22.5°	1549.6	1542.7	1575.4	1680.3	1811.0	1943.4	2038.0	2112.0	2132.6	2069.0	2017.4
25°	1253.8	1257.2	1277.8	1329.4	1430.9	1553.0	1762.8	1988.1	2144.6	2120.6	2043.2
27.5°	1093.8	1083.5	1088.7	1097.3	1083.5	1057.7	1081.8	1076.6	1073.2	1135.1	1142.0
30°	803.2	804.9	813.5	829.0	861.6	909.8	961.4	990.6	1016.4	1064.6	1057.7
32.5°	798.0	799.7	804.9	818.6	835.8	868.5	901.2	913.2	940.8	980.3	968.3
35°	746.4	741.3	755.0	767.1	772.2	786.0	811.8	829.0	846.2	873.7	866.8
37.5°	662.1	663.9	691.4	710.3	715.5	734.4	758.5	772.2	791.1	815.2	803.2
40°	589.9	591.6	624.3	644.9	657.0	682.8	718.9	736.1	767.1	786.0	772.2
42.5°	507.4	514.2	536.6	560.7	567.5	583.0	607.1	629.5	669.0	694.8	686.2
45°	423.1	426.5	442.0	466.1	476.4	493.6	516.0	536.6	567.5	588.2	586.5
47.5°	373.2	376.6	390.4	411.0	431.7	454.0	478.1	498.8	528.0	545.2	538.3
50°	352.6	356.0	373.2	397.3	423.1	452.3	481.6	503.9	531.4	541.8	533.2
52.5°	356.0	356.0	380.1	411.0	447.2	486.7	522.8	550.4	572.7	579.6	560.7
55°	337.1	342.2	368.0	411.0	466.1	528.0	589.9	648.4	681.1	674.2	638.1
57.5°	307.9	313.0	331.9	378.4	436.8	510.8	598.5	670.7	710.3	715.5	679.3
60°	290.7	294.1	311.3	347.4	399.0	459.2	538.3	596.8	641.5	655.3	629.5
62.5°	275.2	278.6	292.4	319.9	357.7	404.2	448.9	486.7	522.8	536.6	526.3
65°	258.0	259.7	273.5	297.5	328.5	368.0	405.9	433.4	462.6	471.2	459.2
67.5°	240.8	242.5	254.5	276.9	306.1	342.2	371.5	402.4	431.7	438.6	430.0
70°	225.3	227.0	237.3	258.0	283.8	318.2	345.7	366.3	395.6	402.4	392.1
72.5°	209.8	211.5	221.9	240.8	264.9	295.8	319.9	340.5	364.6	366.3	357.7
75°	194.3	196.1	204.7	221.9	242.5	273.5	295.8	313.0	333.7	333.7	323.3
77.5°	177.1	180.6	187.5	202.9	221.9	251.1	271.7	288.9	306.1	304.4	294.1
80°	161.7	163.4	170.3	184.0	201.2	228.7	249.4	263.1	278.6	276.9	268.3
82.5°	144.5	146.2	151.3	165.1	180.6	206.4	227.0	240.8	254.5	251.1	242.5
85°	127.3	129.0	135.9	146.2	161.7	185.7	204.7	218.4	228.7	225.3	218.4
87.5°	113.5	113.5	118.7	129.0	142.7	165.1	182.3	196.1	204.7	202.9	196.1
90°	98.0	99.8	103.2	111.8	123.8	142.7	159.9	172.0	180.6	177.1	170.3
92.5°	86.0	86.0	89.4	98.0	108.4	125.5	141.0	151.3	158.2	156.5	151.3
95°	74.0	75.7	77.4	84.3	92.9	106.6	120.4	130.7	137.6	135.9	132.4
97.5°	65.4	67.1	68.8	72.2	80.8	89.4	101.5	110.1	116.9	115.2	111.8
100°	60.2	60.2	60.2	63.6	68.8	75.7	84.3	91.2	94.6	96.3	92.9
102.5°	55.0	55.0	56.8	56.8	60.2	63.6	68.8	74.0	75.7	75.7	75.7
105°	53.3	53.3	55.0	55.0	56.8	58.5	61.9	63.6	65.4	65.4	63.6
107.5°	53.3	53.3	53.3	53.3	55.0	56.8	58.5	60.2	60.2	60.2	58.5
110°	55.0	55.0	55.0	55.0	55.0	56.8	56.8	58.5	58.5	56.8	56.8

REPORT NUMBER: P691497

CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	56.8	56.8	56.8	56.8	56.8	58.5	58.5	58.5	58.5	56.8	56.8
115°	60.2	60.2	60.2	61.9	61.9	61.9	61.9	61.9	61.9	60.2	58.5
117.5°	67.1	67.1	67.1	67.1	68.8	68.8	68.8	68.8	68.8	65.4	65.4
120°	75.7	74.0	75.7	77.4	79.1	79.1	79.1	79.1	79.1	75.7	74.0
122.5°	84.3	84.3	86.0	89.4	92.9	94.6	92.9	92.9	92.9	87.7	86.0
125°	94.6	94.6	99.8	106.6	111.8	113.5	111.8	111.8	111.8	106.6	103.2
127.5°	106.6	106.6	113.5	123.8	132.4	137.6	135.9	135.9	135.9	127.3	122.1
130°	118.7	118.7	129.0	142.7	156.5	159.9	161.7	163.4	163.4	153.1	146.2
132.5°	127.3	129.0	141.0	159.9	177.1	182.3	187.5	189.2	189.2	177.1	166.8
135°	135.9	137.6	153.1	175.4	194.3	206.4	211.5	213.3	215.0	201.2	189.2
137.5°	141.0	142.7	159.9	185.7	204.7	220.1	232.2	235.6	235.6	220.1	204.7
140°	141.0	142.7	161.7	185.7	206.4	225.3	239.1	245.9	245.9	230.5	216.7
142.5°	137.6	141.0	158.2	182.3	202.9	221.9	237.3	244.2	244.2	230.5	216.7
145°	130.7	132.4	149.6	170.3	190.9	213.3	230.5	237.3	237.3	223.6	209.8
147.5°	118.7	120.4	134.1	153.1	173.7	196.1	213.3	221.9	220.1	208.1	196.1
150°	103.2	103.2	115.2	130.7	151.3	172.0	189.2	197.8	197.8	185.7	175.4
152.5°	84.3	84.3	92.9	104.9	122.1	142.7	156.5	165.1	165.1	156.5	147.9
155°	65.4	65.4	72.2	80.8	94.6	110.1	120.4	129.0	129.0	122.1	115.2
157.5°	46.4	46.4	53.3	60.2	70.5	82.6	91.2	96.3	98.0	91.2	87.7
160°	31.0	31.0	34.4	39.6	48.2	56.8	61.9	67.1	68.8	63.6	61.9
162.5°	17.2	17.2	18.9	24.1	29.2	34.4	39.6	43.0	43.0	41.3	39.6
165°	5.2	5.2	6.9	8.6	12.0	15.5	17.2	18.9	20.6	20.6	18.9
167.5°	0.0	0.0	1.7	1.7	1.7	1.7	3.4	3.4	5.2	5.2	5.2
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: P691497

CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0	3395.0
2.5°	3119.8	3216.1	3321.0	3422.5	3546.3	3675.3	3794.0	3874.8	3917.8	3931.6	3931.6
5°	2908.3	2996.0	3073.4	3169.7	3319.3	3513.6	3728.6	3907.5	4009.0	4021.0	4022.7
7.5°	2578.1	2650.3	2731.1	2817.1	2949.5	3123.2	3407.0	3696.0	3861.1	3892.0	3880.0
10°	2308.0	2352.8	2400.9	2433.6	2526.5	2655.4	2848.1	3131.8	3334.8	3358.9	3376.1
12.5°	2182.5	2189.4	2175.6	2182.5	2213.4	2273.6	2368.2	2531.6	2664.0	2686.4	2698.4
15°	2118.9	2084.5	2029.4	1977.8	1950.3	1955.5	1976.1	2043.2	2065.5	2103.4	2086.2
17.5°	2089.6	2012.2	1926.2	1826.5	1764.6	1700.9	1666.5	1654.5	1645.9	1647.6	1663.1
20°	2015.7	1927.9	1790.4	1659.7	1559.9	1472.2	1398.2	1344.9	1315.7	1301.9	1312.2
22.5°	1938.3	1802.4	1640.7	1499.7	1357.0	1245.2	1160.9	1083.5	1040.5	1052.5	1038.8
25°	1940.0	1737.0	1544.4	1358.7	1224.5	1076.6	942.5	861.6	791.1	804.9	823.8
27.5°	1222.8	1169.5	1031.9	923.6	789.4	715.5	648.4	591.6	552.1	553.8	548.6
30°	1037.1	982.0	913.2	827.2	725.8	639.8	562.4	497.0	459.2	448.9	447.2
32.5°	958.0	911.5	847.9	763.6	670.7	584.7	507.4	447.2	409.3	407.6	407.6
35°	853.0	810.0	756.7	684.5	605.4	526.3	454.0	402.4	371.5	371.5	369.8
37.5°	787.7	749.9	698.3	631.2	560.7	481.6	417.9	371.5	338.8	337.1	338.8
40°	753.3	713.7	663.9	600.2	529.7	454.0	393.8	345.7	321.6	319.9	318.2
42.5°	684.5	653.5	610.5	552.1	490.2	423.1	366.3	323.3	302.7	301.0	302.7
45°	581.3	559.0	529.7	486.7	435.1	378.4	328.5	295.8	275.2	275.2	275.2
47.5°	533.2	512.5	479.8	436.8	392.1	338.8	297.5	270.0	251.1	251.1	251.1
50°	521.1	495.3	452.3	404.2	356.0	309.6	271.7	244.2	230.5	228.7	230.5
52.5°	538.3	498.8	440.3	383.5	330.2	285.5	249.4	223.6	209.8	209.8	209.8
55°	600.2	528.0	450.6	378.4	314.7	264.9	228.7	202.9	189.2	187.5	189.2
57.5°	641.5	550.4	454.0	373.2	304.4	251.1	211.5	184.0	170.3	168.5	170.3
60°	605.4	531.4	438.6	359.4	295.8	240.8	199.5	172.0	158.2	156.5	156.5
62.5°	502.2	459.2	392.1	325.1	273.5	225.3	187.5	161.7	147.9	146.2	147.9
65°	445.4	407.6	349.1	295.8	251.1	209.8	177.1	154.8	141.0	141.0	141.0
67.5°	414.5	380.1	325.1	273.5	232.2	194.3	163.4	142.7	130.7	130.7	130.7
70°	378.4	344.0	294.1	247.7	209.8	177.1	149.6	129.0	118.7	116.9	118.7
72.5°	347.4	313.0	266.6	223.6	189.2	159.9	135.9	116.9	108.4	106.6	108.4
75°	313.0	280.3	235.6	197.8	168.5	142.7	122.1	104.9	98.0	96.3	96.3
77.5°	283.8	252.8	211.5	177.1	151.3	127.3	108.4	96.3	89.4	87.7	87.7
80°	258.0	228.7	189.2	158.2	134.1	113.5	98.0	86.0	79.1	79.1	79.1
82.5°	230.5	204.7	168.5	139.3	118.7	101.5	86.0	75.7	70.5	70.5	70.5
85°	208.1	182.3	147.9	123.8	103.2	87.7	75.7	67.1	61.9	61.9	61.9
87.5°	184.0	161.7	130.7	108.4	91.2	77.4	65.4	56.8	55.0	53.3	53.3
90°	159.9	139.3	111.8	92.9	77.4	65.4	55.0	48.2	46.4	44.7	44.7
92.5°	142.7	123.8	101.5	84.3	70.5	58.5	51.6	44.7	43.0	43.0	41.3
95°	123.8	108.4	89.4	75.7	63.6	55.0	48.2	43.0	41.3	41.3	39.6
97.5°	106.6	92.9	79.1	68.8	58.5	51.6	44.7	41.3	37.8	37.8	37.8
100°	89.4	79.1	68.8	58.5	53.3	46.4	41.3	37.8	36.1	34.4	34.4
102.5°	72.2	65.4	56.8	51.6	44.7	39.6	36.1	32.7	31.0	31.0	31.0
105°	61.9	56.8	51.6	46.4	41.3	36.1	32.7	29.2	27.5	27.5	27.5
107.5°	56.8	53.3	48.2	43.0	39.6	34.4	31.0	25.8	24.1	25.8	25.8
110°	55.0	51.6	46.4	43.0	37.8	34.4	31.0	24.1	22.4	24.1	24.1

REPORT NUMBER: P691497

CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	55.0	51.6	48.2	43.0	39.6	34.4	31.0	24.1	22.4	22.4	22.4
115°	56.8	55.0	49.9	46.4	41.3	36.1	31.0	24.1	22.4	22.4	22.4
117.5°	63.6	60.2	55.0	49.9	44.7	37.8	32.7	24.1	22.4	22.4	22.4
120°	70.5	67.1	61.9	55.0	48.2	41.3	34.4	24.1	20.6	22.4	22.4
122.5°	82.6	77.4	70.5	61.9	53.3	44.7	34.4	25.8	18.9	22.4	22.4
125°	98.0	91.2	80.8	68.8	58.5	48.2	36.1	25.8	20.6	22.4	22.4
127.5°	115.2	106.6	92.9	77.4	63.6	49.9	37.8	25.8	20.6	20.6	22.4
130°	137.6	123.8	104.9	86.0	68.8	53.3	37.8	25.8	20.6	20.6	20.6
132.5°	156.5	139.3	115.2	92.9	72.2	55.0	37.8	25.8	18.9	18.9	18.9
135°	175.4	153.1	123.8	98.0	75.7	55.0	37.8	24.1	18.9	18.9	18.9
137.5°	190.9	161.7	130.7	99.8	75.7	53.3	36.1	22.4	17.2	17.2	17.2
140°	199.5	166.8	132.4	99.8	72.2	51.6	32.7	20.6	15.5	15.5	15.5
142.5°	199.5	165.1	130.7	96.3	68.8	48.2	29.2	17.2	13.8	13.8	13.8
145°	192.6	158.2	123.8	91.2	63.6	43.0	25.8	15.5	10.3	10.3	12.0
147.5°	180.6	146.2	113.5	82.6	56.8	36.1	22.4	12.0	8.6	8.6	8.6
150°	159.9	129.0	98.0	72.2	48.2	31.0	18.9	10.3	6.9	6.9	6.9
152.5°	134.1	106.6	82.6	60.2	39.6	24.1	13.8	8.6	5.2	5.2	5.2
155°	106.6	84.3	65.4	46.4	29.2	18.9	10.3	6.9	5.2	5.2	5.2
157.5°	79.1	63.6	48.2	34.4	22.4	13.8	8.6	5.2	3.4	3.4	3.4
160°	55.0	44.7	32.7	22.4	13.8	8.6	5.2	3.4	1.7	1.7	1.7
162.5°	36.1	27.5	20.6	13.8	8.6	5.2	3.4	1.7	1.7	1.7	1.7
165°	17.2	13.8	10.3	6.9	3.4	3.4	1.7	1.7	0.0	0.0	0.0
167.5°	5.2	3.4	1.7	1.7	1.7	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)