

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: P691942

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9476.9 lumens
Efficiency: N/A
Efficacy: 120.0 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



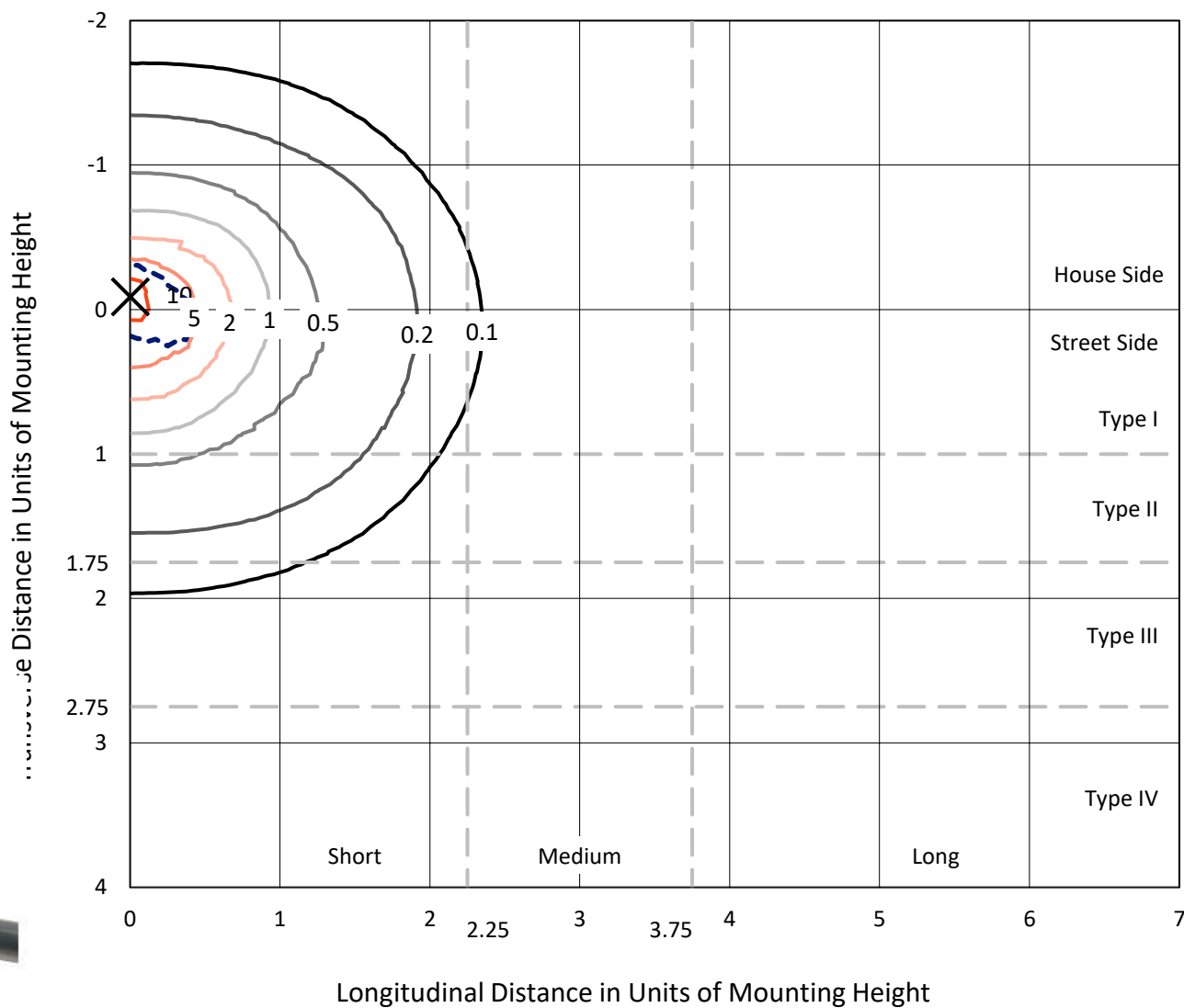
REPORT NUMBER: P691942

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7040-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



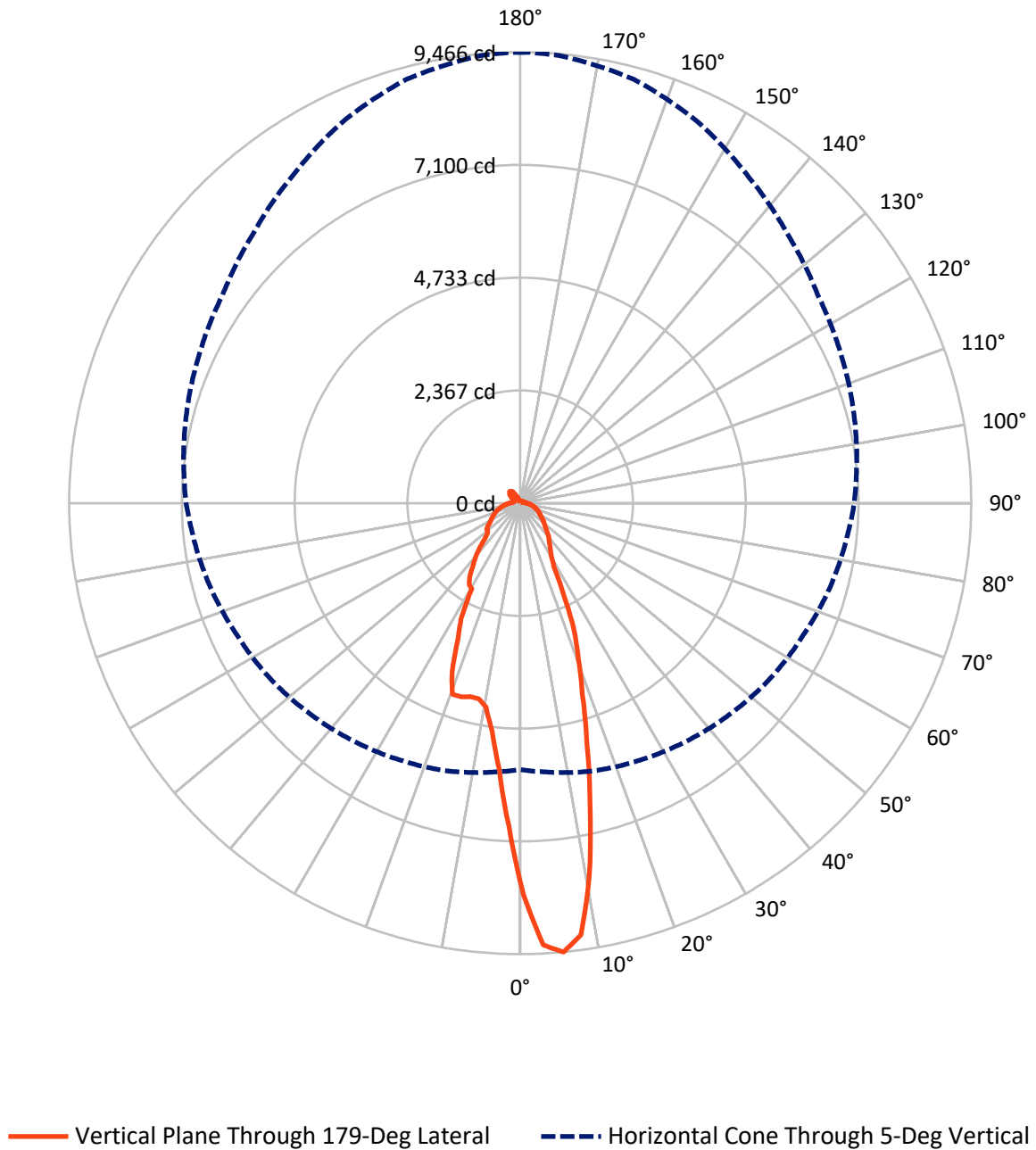
Based on 25 foot mounting height. Maximum calculated value = 14.3 fc

Type I - Short - N/A

REPORT NUMBER: P691942

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7040-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P691942

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7040-RMARROA5

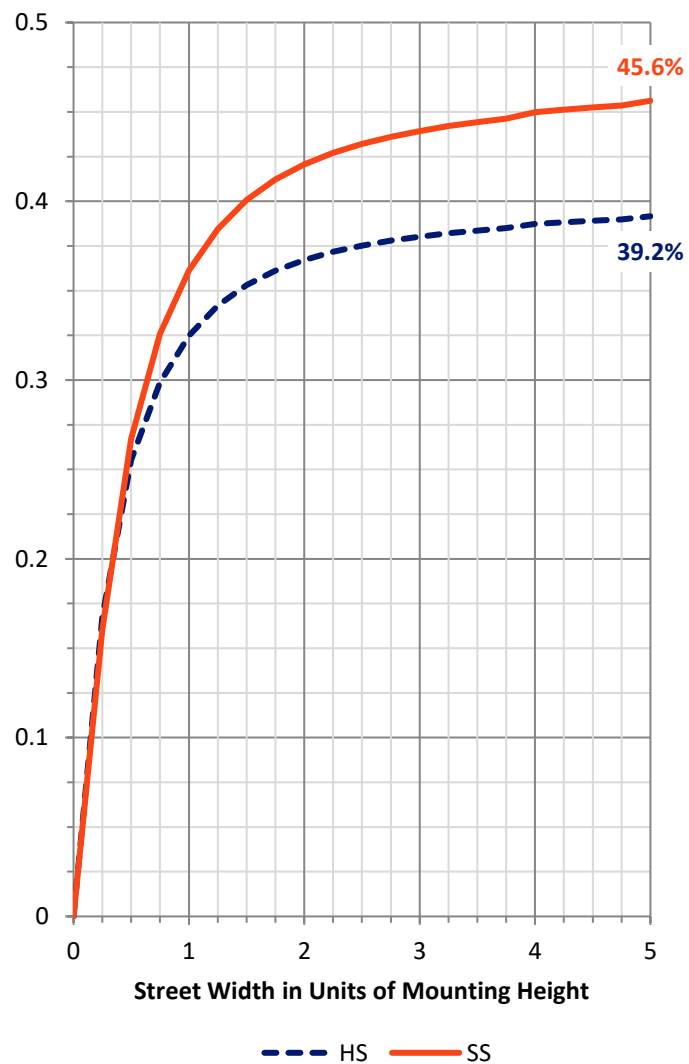
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3813.6	463.7	4277.3
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	4426.5	773.1	5199.6
	% Fixture	46.7	8.2	54.9
Total	Lumens	8240.1	1236.8	9476.9
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.9	6.8
10°-20°	1371.7	14.5
20°-30°	1490.2	15.7
30°-40°	1103.0	11.6
40°-50°	923.8	9.7
50°-60°	928.7	9.8
60°-70°	790.6	8.3
70°-80°	590.6	6.2
80°-90°	398.7	4.2
90°-100°	238.3	2.5
100°-110°	137.7	1.5
110°-120°	126.7	1.3
120°-130°	183.2	1.9
130°-140°	250.8	2.6
140°-150°	206.7	2.2
150°-160°	83.2	0.9
160°-170°	10.2	0.1
170°-180°	0.0	0.0
0°-90°	8240.1	86.9
0°-180°	9476.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691942

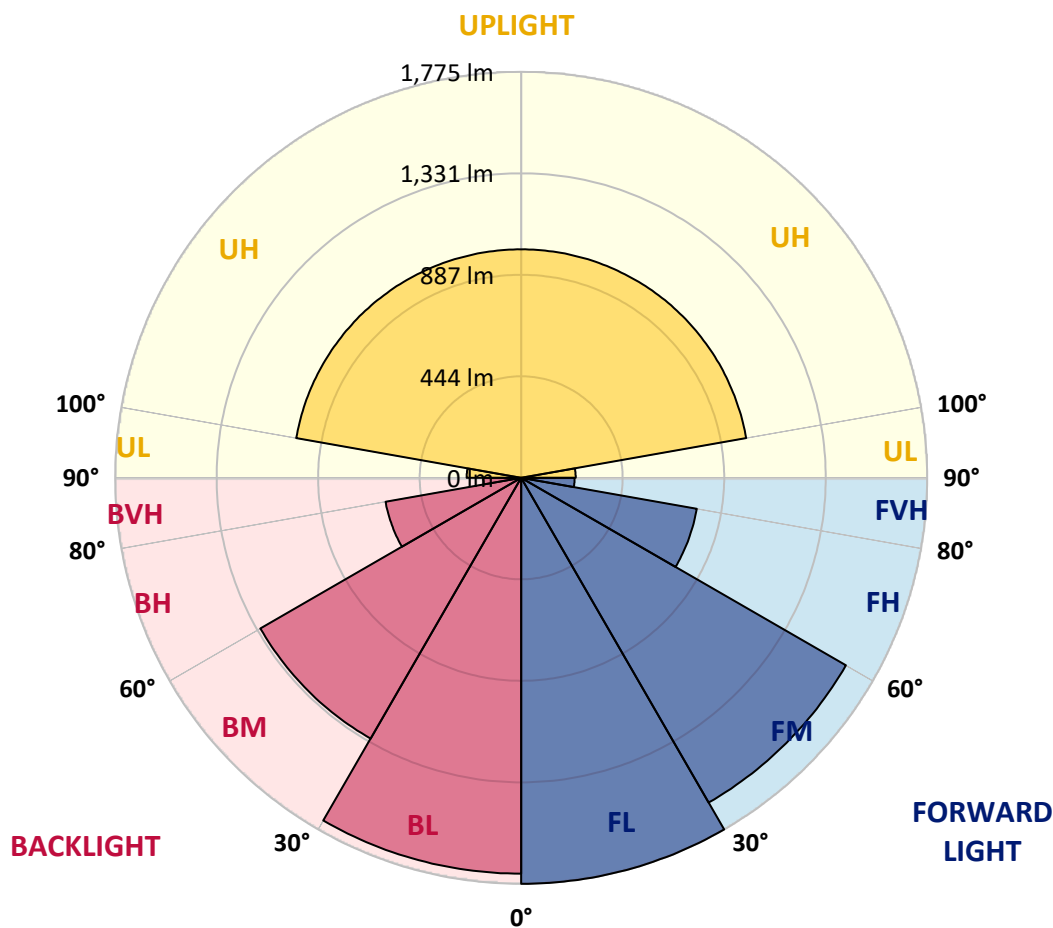
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1774.6	18.7			
FM	(30°-60°)	1638.9	17.3			
FH	(60°-80°)	779.5	8.2			G1/1800
FVH	(80°-90°)	233.4	2.5			G3/500
BL	(0°-30°)	1730.2	18.3	B3/2500		
BM	(30°-60°)	1316.5	13.9	B2/2500		
BH	(60°-80°)	601.7	6.3	B2/1000		G2/1000
BVH	(80°-90°)	165.2	1.7			G2/225
UL	(90°-100°)	238.3	2.5		U3/500	
UH	(100°-180°)	998.5	10.5		U4/1000	

BUG Rating: B3-U4-G3

Type I Short



REPORT NUMBER: P691942

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7040-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7
2.5°	6779.6	6817.6	6901.2	6943.0	6984.8	7038.0	7117.8	7178.6	7319.2	7448.4	7501.7
5°	5593.9	5662.3	5822.0	5951.2	6095.6	6247.6	6411.0	6555.4	6741.6	6912.6	7011.4
7.5°	4807.3	4864.3	5054.3	5305.1	5559.7	5772.5	5939.8	6050.0	6133.6	6202.0	6274.2
10°	4328.5	4377.9	4567.9	4792.1	5008.7	5206.3	5346.9	5453.3	5483.7	5552.1	5586.3
12.5°	4191.7	4214.5	4347.5	4503.3	4636.3	4830.1	4997.3	5111.3	5160.7	5221.5	5240.5
15°	4195.5	4195.5	4271.5	4370.3	4491.9	4640.1	4826.3	4963.1	5035.3	5069.5	5065.7
17.5°	4252.5	4248.7	4282.9	4362.7	4465.3	4613.5	4803.5	4944.1	5027.7	5039.1	5027.7
20°	4252.5	4256.3	4267.7	4358.9	4457.7	4590.7	4784.5	4902.3	4966.9	4932.7	4894.7
22.5°	3819.2	3815.4	3914.2	4108.0	4374.1	4651.5	4826.3	4970.7	4985.9	4860.5	4757.9
25°	3154.2	3127.6	3184.6	3272.0	3450.6	3773.6	4138.4	4685.7	5012.5	4940.3	4784.5
27.5°	2736.2	2702.0	2751.4	2713.4	2694.4	2671.6	2648.8	2584.2	2626.0	2664.0	2831.2
30°	2063.5	2071.1	2082.5	2105.3	2150.9	2242.1	2337.1	2394.1	2443.5	2542.4	2531.0
32.5°	2017.9	2014.1	2017.9	2040.7	2063.5	2120.5	2177.5	2207.9	2245.9	2340.9	2318.1
35°	1865.9	1858.3	1884.9	1896.3	1892.5	1907.7	1964.7	1998.9	2033.1	2093.9	2071.1
37.5°	1641.7	1649.3	1706.3	1736.7	1748.1	1782.3	1827.9	1858.3	1900.1	1945.7	1934.3
40°	1474.5	1470.7	1531.5	1573.3	1599.9	1653.1	1721.5	1767.1	1835.5	1873.5	1846.9
42.5°	1269.3	1284.5	1330.1	1371.9	1379.5	1406.1	1466.9	1520.1	1603.7	1660.7	1645.5
45°	1067.9	1079.3	1117.3	1151.5	1178.1	1212.3	1257.9	1303.5	1371.9	1417.5	1413.7
47.5°	942.5	953.9	984.3	1026.1	1064.1	1113.5	1159.1	1204.7	1269.3	1303.5	1292.1
50°	893.1	900.7	934.9	980.5	1037.5	1098.3	1159.1	1208.5	1269.3	1292.1	1273.1
52.5°	889.3	889.3	931.1	999.5	1079.3	1162.9	1242.7	1311.1	1368.1	1368.1	1330.1
55°	836.1	843.7	896.9	988.1	1109.7	1246.5	1387.1	1516.3	1592.3	1577.1	1504.9
57.5°	760.0	763.8	820.8	908.3	1037.5	1204.7	1394.7	1558.1	1649.3	1668.3	1592.3
60°	714.4	718.2	756.2	839.9	950.1	1083.1	1257.9	1387.1	1478.3	1535.3	1474.5
62.5°	676.4	676.4	714.4	771.4	862.7	961.5	1060.3	1147.7	1219.9	1261.7	1227.5
65°	634.6	634.6	661.2	714.4	786.6	881.7	957.7	1022.3	1086.9	1117.3	1086.9
67.5°	592.8	592.8	619.4	668.8	733.4	813.2	889.3	950.1	1014.7	1037.5	1014.7
70°	551.0	551.0	577.6	619.4	680.2	756.2	813.2	877.9	938.7	953.9	934.9
72.5°	509.2	509.2	535.8	573.8	627.0	699.2	752.4	801.8	858.9	870.3	851.3
75°	471.2	471.2	490.2	528.2	577.6	642.2	695.4	741.0	786.6	786.6	771.4
77.5°	429.4	433.2	448.4	482.6	528.2	589.0	638.4	680.2	718.2	718.2	699.2
80°	387.6	391.4	406.6	437.0	478.8	535.8	581.4	619.4	653.6	653.6	634.6
82.5°	345.8	349.6	364.8	391.4	429.4	482.6	528.2	566.2	596.6	592.8	573.8
85°	307.8	311.6	323.0	345.8	380.0	433.2	475.0	509.2	535.8	532.0	516.8
87.5°	269.8	273.6	285.0	304.0	334.4	383.8	425.6	456.0	478.8	475.0	459.8
90°	235.6	235.6	247.0	266.0	292.6	334.4	372.4	399.0	421.8	414.2	399.0
92.5°	205.2	209.0	216.6	231.8	254.6	292.6	326.8	349.6	372.4	368.6	353.4
95°	182.4	182.4	190.0	201.4	220.4	250.8	285.0	304.0	319.2	319.2	307.8
97.5°	159.6	163.4	167.2	174.8	190.0	212.8	239.4	258.4	269.8	269.8	262.2
100°	144.4	148.2	148.2	155.8	163.4	178.6	197.6	212.8	224.2	224.2	220.4
102.5°	136.8	136.8	136.8	140.6	144.4	152.0	163.4	171.0	178.6	182.4	178.6
105°	129.2	129.2	129.2	133.0	133.0	140.6	144.4	152.0	155.8	155.8	152.0
107.5°	125.4	125.4	129.2	129.2	129.2	133.0	140.6	140.6	144.4	140.6	140.6
110°	129.2	129.2	129.2	129.2	129.2	133.0	136.8	136.8	136.8	136.8	133.0

REPORT NUMBER: P691942

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	133.0	133.0	133.0	133.0	136.8	136.8	136.8	140.6	140.6	136.8	136.8
115°	144.4	144.4	144.4	144.4	144.4	148.2	148.2	148.2	148.2	144.4	140.6
117.5°	155.8	155.8	155.8	159.6	159.6	163.4	159.6	163.4	159.6	155.8	155.8
120°	174.8	174.8	178.6	182.4	186.2	186.2	182.4	186.2	186.2	178.6	174.8
122.5°	197.6	197.6	201.4	212.8	216.6	220.4	216.6	216.6	216.6	209.0	205.2
125°	220.4	224.2	231.8	247.0	258.4	266.0	258.4	262.2	262.2	250.8	247.0
127.5°	247.0	250.8	266.0	288.8	307.8	315.4	311.6	315.4	319.2	300.2	292.6
130°	273.6	273.6	296.4	330.6	357.2	368.6	372.4	376.2	380.0	361.0	345.8
132.5°	296.4	296.4	326.8	368.6	402.8	421.8	429.4	437.0	444.6	418.0	399.0
135°	311.6	315.4	353.4	402.8	444.6	471.2	482.6	490.2	501.6	471.2	448.4
137.5°	323.0	330.6	368.6	421.8	467.4	505.4	528.2	539.6	547.2	516.8	486.4
140°	326.8	330.6	372.4	425.6	471.2	513.0	547.2	566.2	570.0	539.6	509.2
142.5°	315.4	323.0	361.0	414.2	459.8	505.4	543.4	562.4	566.2	539.6	509.2
145°	300.2	304.0	338.2	387.6	433.2	482.6	524.4	543.4	543.4	520.6	490.2
147.5°	273.6	277.4	307.8	349.6	395.2	444.6	486.4	505.4	509.2	486.4	459.8
150°	235.6	239.4	262.2	296.4	342.0	391.4	429.4	452.2	452.2	429.4	410.4
152.5°	190.0	193.8	212.8	239.4	277.4	323.0	357.2	380.0	380.0	364.8	342.0
155°	148.2	148.2	163.4	186.2	212.8	247.0	273.6	292.6	296.4	281.2	266.0
157.5°	106.4	106.4	117.8	136.8	159.6	186.2	205.2	220.4	220.4	209.0	201.4
160°	72.2	72.2	79.8	91.2	106.4	125.4	140.6	155.8	155.8	148.2	140.6
162.5°	38.0	38.0	45.6	53.2	64.6	79.8	87.4	98.8	98.8	95.0	91.2
165°	11.4	11.4	15.2	19.0	26.6	34.2	38.0	45.6	49.4	45.6	41.8
167.5°	0.0	0.0	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	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: P691942

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7	8223.7
2.5°	7558.7	7798.1	8014.7	8238.9	8516.3	8759.5	9021.7	9208.0	9287.8	9287.8	9318.2
5°	7083.6	7250.8	7425.6	7623.3	7953.9	8360.5	8827.9	9211.8	9432.2	9466.4	9462.6
7.5°	6297.0	6411.0	6589.6	6810.0	7114.0	7478.9	8079.3	8679.7	9078.7	9151.0	9124.4
10°	5605.3	5711.7	5818.2	5901.8	6118.4	6407.2	6848.0	7433.2	7893.1	7965.3	7908.3
12.5°	5251.9	5286.1	5282.3	5331.7	5419.1	5563.5	5787.7	6126.0	6441.4	6509.8	6460.4
15°	5065.7	5016.3	4940.3	4852.9	4845.3	4868.1	4925.1	5061.9	5194.9	5251.9	5213.9
17.5°	4989.7	4871.9	4716.1	4545.1	4431.1	4324.7	4252.5	4206.9	4225.9	4229.7	4199.3
20°	4811.1	4670.5	4419.7	4176.5	3994.0	3807.8	3648.2	3530.4	3511.4	3492.4	3469.6
22.5°	4609.7	4370.3	4070.0	3773.6	3503.8	3256.8	3078.2	2937.6	2884.4	2903.4	2892.0
25°	4567.9	4168.9	3804.0	3325.2	2983.2	2705.8	2371.3	2143.3	2040.7	2097.7	2059.7
27.5°	2740.0	2751.4	2546.2	2257.3	2010.3	1846.9	1698.7	1577.1	1508.7	1508.7	1516.3
30°	2481.5	2371.3	2234.5	2055.9	1839.3	1675.9	1512.5	1379.5	1307.3	1288.3	1295.9
32.5°	2268.7	2192.7	2063.5	1892.5	1694.9	1527.7	1356.7	1235.1	1166.7	1162.9	1159.1
35°	2040.7	1960.9	1854.5	1706.3	1535.3	1379.5	1231.3	1124.9	1064.1	1067.9	1067.9
37.5°	1884.9	1812.7	1717.7	1577.1	1421.3	1265.5	1132.5	1033.7	984.3	984.3	980.5
40°	1805.1	1721.5	1618.9	1489.7	1345.3	1181.9	1056.5	961.5	919.7	919.7	915.9
42.5°	1630.3	1558.1	1489.7	1356.7	1212.3	1079.3	961.5	877.9	836.1	836.1	836.1
45°	1383.3	1341.5	1288.3	1197.1	1079.3	969.1	870.3	790.4	756.2	752.4	752.4
47.5°	1276.9	1231.3	1166.7	1083.1	988.1	885.5	790.4	733.4	699.2	699.2	699.2
50°	1246.5	1193.3	1105.9	1007.1	908.3	817.0	733.4	680.2	649.8	649.8	653.6
52.5°	1288.3	1200.9	1083.1	961.5	858.9	756.2	684.0	630.8	608.0	608.0	604.2
55°	1432.7	1269.3	1098.3	950.1	820.8	710.6	634.6	577.6	551.0	551.0	551.0
57.5°	1512.5	1318.7	1109.7	934.9	786.6	676.4	596.6	535.8	509.2	509.2	509.2
60°	1421.3	1261.7	1064.1	904.5	760.0	646.0	562.4	505.4	478.8	475.0	471.2
62.5°	1189.5	1090.7	950.1	817.0	703.0	604.2	535.8	478.8	452.2	452.2	448.4
65°	1060.3	976.7	855.1	741.0	646.0	562.4	497.8	452.2	425.6	421.8	421.8
67.5°	988.1	912.1	790.4	684.0	596.6	520.6	459.8	418.0	399.0	391.4	391.4
70°	908.3	824.6	718.2	623.2	543.4	475.0	425.6	383.8	364.8	361.0	357.2
72.5°	828.5	752.4	653.6	562.4	490.2	433.2	387.6	349.6	330.6	326.8	326.8
75°	744.8	672.6	577.6	501.6	440.8	387.6	345.8	315.4	300.2	296.4	292.6
77.5°	676.4	611.8	520.6	448.4	391.4	349.6	311.6	285.0	269.8	269.8	266.0
80°	611.8	551.0	463.6	399.0	349.6	307.8	277.4	254.6	243.2	239.4	239.4
82.5°	551.0	490.2	410.4	353.4	307.8	273.6	243.2	224.2	212.8	212.8	212.8
85°	494.0	437.0	364.8	311.6	269.8	239.4	212.8	193.8	186.2	182.4	186.2
87.5°	437.0	383.8	323.0	273.6	235.6	205.2	182.4	167.2	159.6	159.6	159.6
90°	383.8	334.4	277.4	231.8	201.4	174.8	155.8	140.6	136.8	133.0	133.0
92.5°	338.2	296.4	247.0	209.0	178.6	159.6	140.6	129.2	121.6	121.6	121.6
95°	296.4	258.4	220.4	186.2	163.4	144.4	129.2	117.8	114.0	114.0	114.0
97.5°	254.6	224.2	193.8	167.2	148.2	133.0	117.8	110.2	106.4	102.6	106.4
100°	212.8	190.0	167.2	148.2	133.0	117.8	106.4	98.8	95.0	95.0	95.0
102.5°	171.0	159.6	140.6	125.4	114.0	106.4	95.0	87.4	83.6	83.6	83.6
105°	148.2	136.8	125.4	114.0	106.4	95.0	87.4	79.8	76.0	76.0	76.0
107.5°	136.8	129.2	117.8	110.2	98.8	91.2	83.6	72.2	68.4	68.4	68.4
110°	133.0	125.4	117.8	106.4	98.8	91.2	83.6	68.4	64.6	64.6	64.6

REPORT NUMBER: P691942

CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	133.0	125.4	117.8	110.2	102.6	91.2	83.6	68.4	60.8	60.8	60.8
115°	140.6	133.0	125.4	117.8	106.4	95.0	87.4	68.4	60.8	60.8	60.8
117.5°	152.0	144.4	136.8	125.4	114.0	102.6	87.4	68.4	64.6	64.6	64.6
120°	171.0	163.4	152.0	140.6	125.4	110.2	95.0	72.2	60.8	64.6	64.6
122.5°	197.6	190.0	174.8	155.8	140.6	121.6	98.8	76.0	57.0	64.6	64.6
125°	235.6	224.2	201.4	178.6	155.8	133.0	106.4	79.8	60.8	68.4	68.4
127.5°	277.4	262.2	231.8	201.4	174.8	144.4	114.0	83.6	64.6	68.4	68.4
130°	326.8	300.2	262.2	224.2	190.0	155.8	121.6	87.4	68.4	68.4	68.4
132.5°	376.2	338.2	288.8	247.0	205.2	163.4	125.4	87.4	68.4	68.4	68.4
135°	418.0	372.4	315.4	262.2	212.8	167.2	129.2	87.4	68.4	68.4	68.4
137.5°	456.0	395.2	330.6	269.8	216.6	167.2	125.4	87.4	64.6	64.6	64.6
140°	475.0	406.6	338.2	269.8	212.8	163.4	117.8	79.8	60.8	60.8	60.8
142.5°	475.0	402.8	330.6	262.2	205.2	155.8	110.2	76.0	53.2	57.0	57.0
145°	459.8	387.6	315.4	247.0	190.0	140.6	98.8	64.6	49.4	49.4	49.4
147.5°	425.6	357.2	288.8	224.2	171.0	121.6	87.4	57.0	41.8	38.0	41.8
150°	380.0	315.4	250.8	193.8	144.4	102.6	72.2	45.6	34.2	34.2	34.2
152.5°	319.2	262.2	209.0	159.6	114.0	79.8	53.2	34.2	26.6	26.6	26.6
155°	250.8	205.2	163.4	121.6	87.4	60.8	41.8	26.6	19.0	19.0	19.0
157.5°	190.0	155.8	121.6	87.4	64.6	45.6	30.4	19.0	15.2	15.2	15.2
160°	133.0	106.4	83.6	60.8	41.8	30.4	19.0	11.4	7.6	7.6	7.6
162.5°	83.6	68.4	53.2	34.2	26.6	19.0	11.4	7.6	3.8	3.8	3.8
165°	38.0	34.2	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	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)