

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: P692004

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T5R-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10101 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - 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



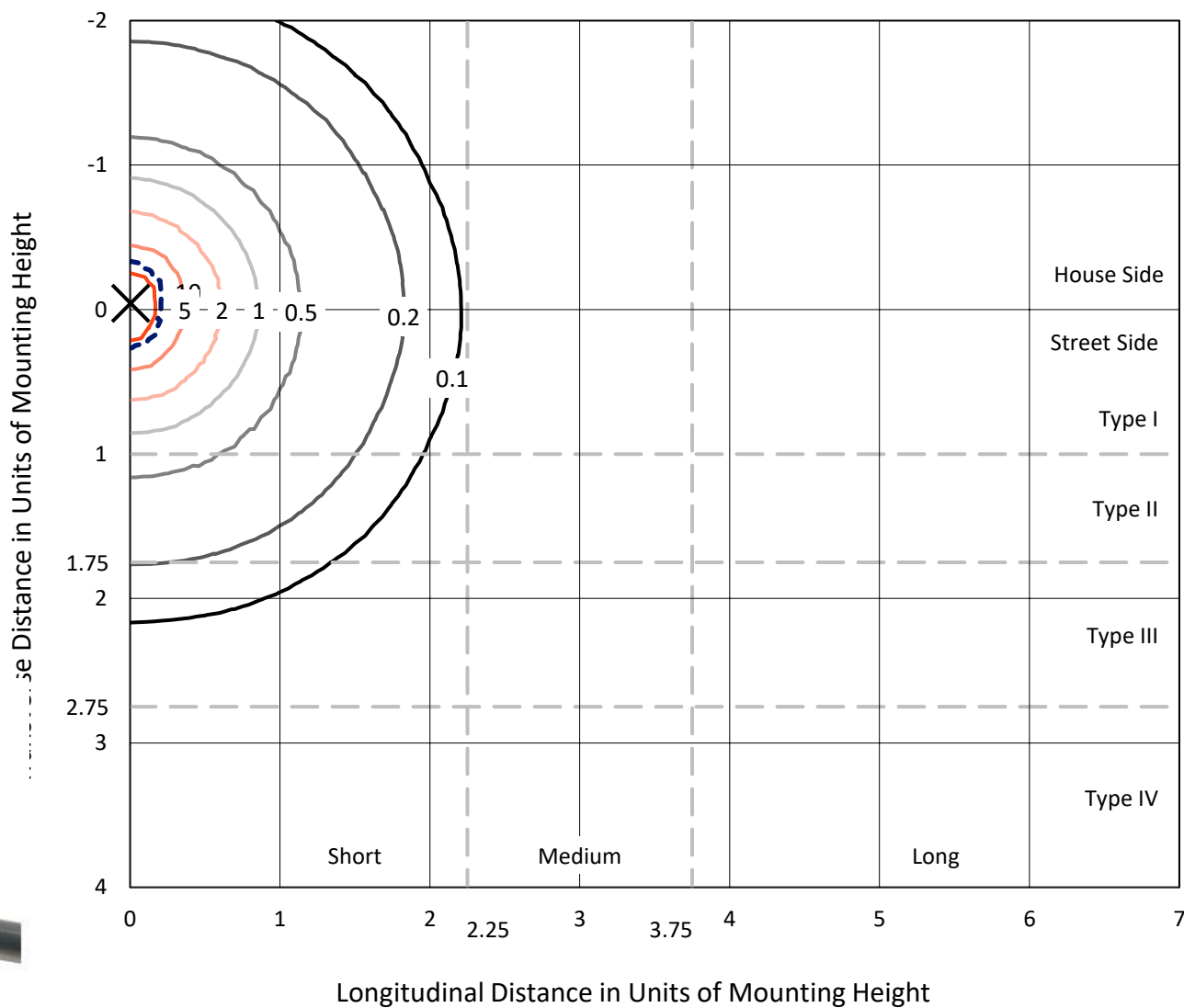
REPORT NUMBER: P692004

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

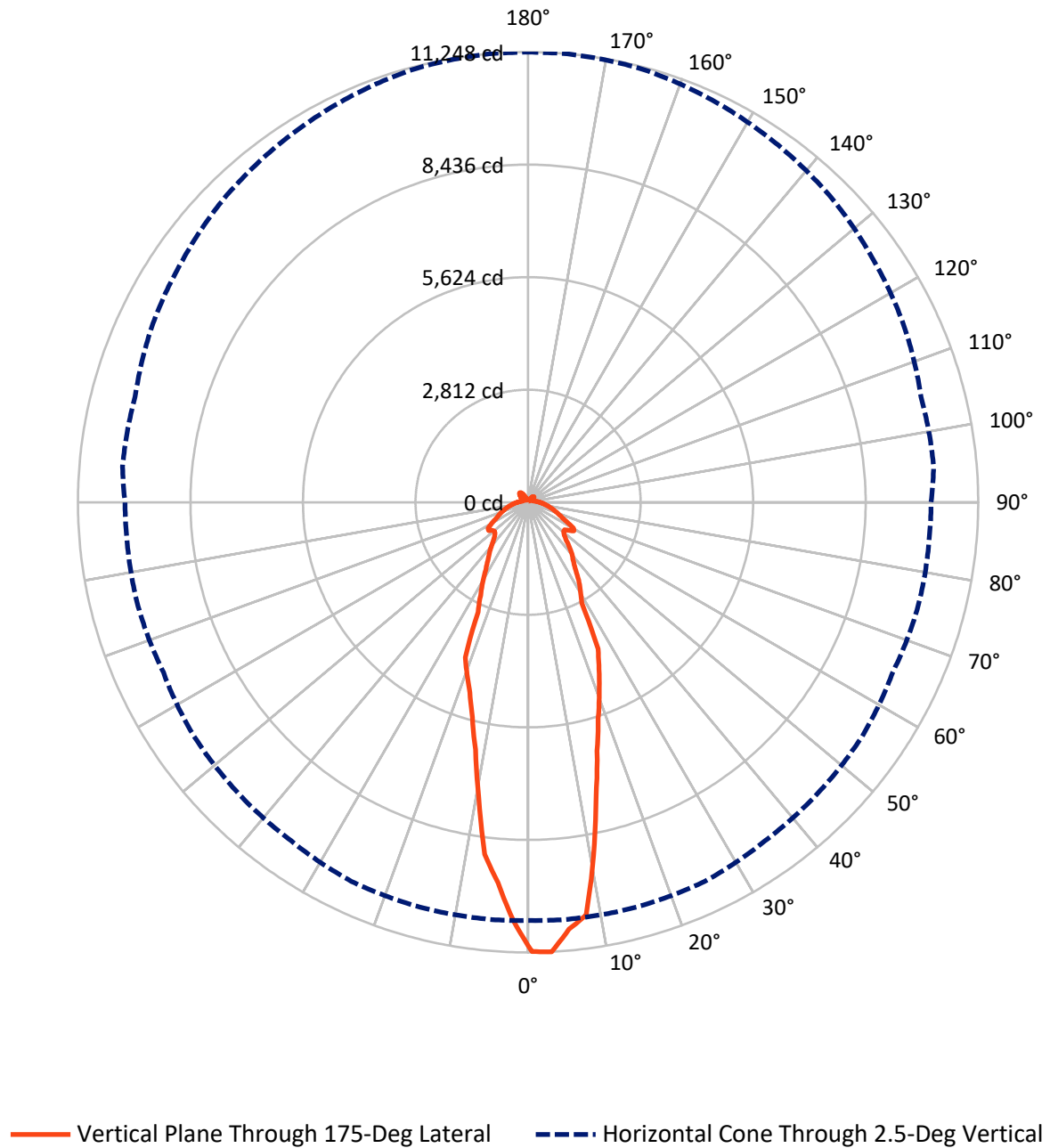


Based on 25 foot mounting height. Maximum calculated value = 18 fc
 Type V - Short - N/A

REPORT NUMBER: P692004

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-RMARROA5

Luminous Intensity Polar Plot



REPORT NUMBER: P692004

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-RMARROA5

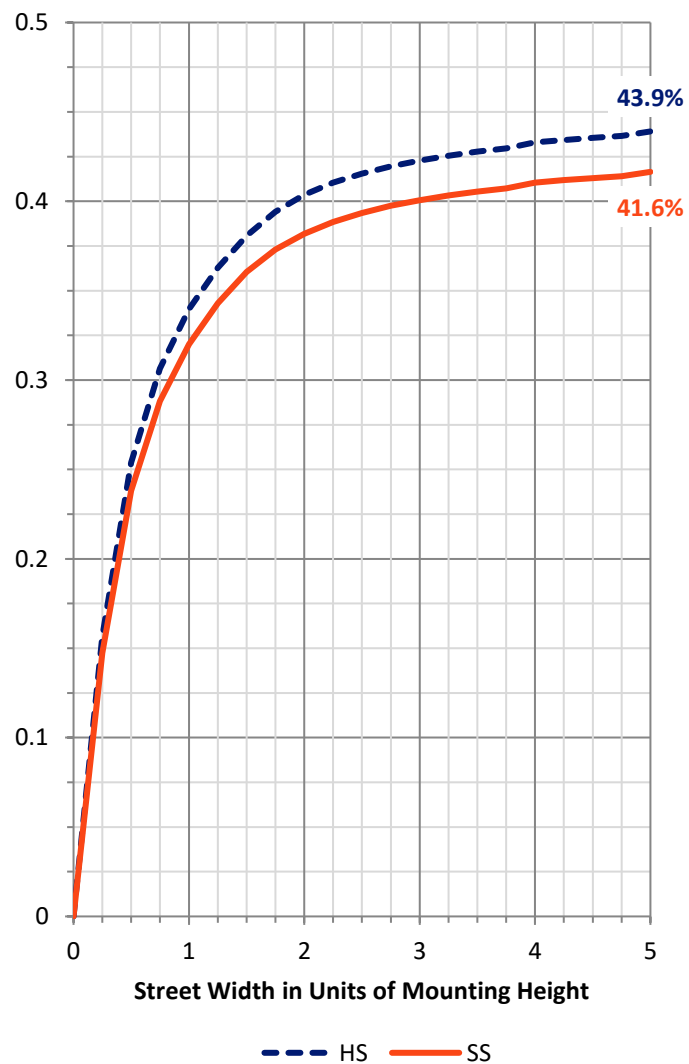
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4571.5	603.9	5175.5
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	4305.7	619.8	4925.5
	% Fixture	42.6	6.1	48.8
Total	Lumens	8877.2	1223.7	10101.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.7	8.3
10°-20°	1466.8	14.5
20°-30°	1454.5	14.4
30°-40°	1121.2	11.1
40°-50°	961.2	9.5
50°-60°	1075.0	10.6
60°-70°	921.0	9.1
70°-80°	633.8	6.3
80°-90°	408.0	4.0
90°-100°	244.5	2.4
100°-110°	145.4	1.4
110°-120°	134.6	1.3
120°-130°	192.1	1.9
130°-140°	248.3	2.5
140°-150°	183.8	1.8
150°-160°	67.2	0.7
160°-170°	7.8	0.1
170°-180°	0.0	0.0
0°-90°	8877.2	87.9
0°-180°	10101.0	100.0

Coefficient of Utilization



REPORT NUMBER: P692004

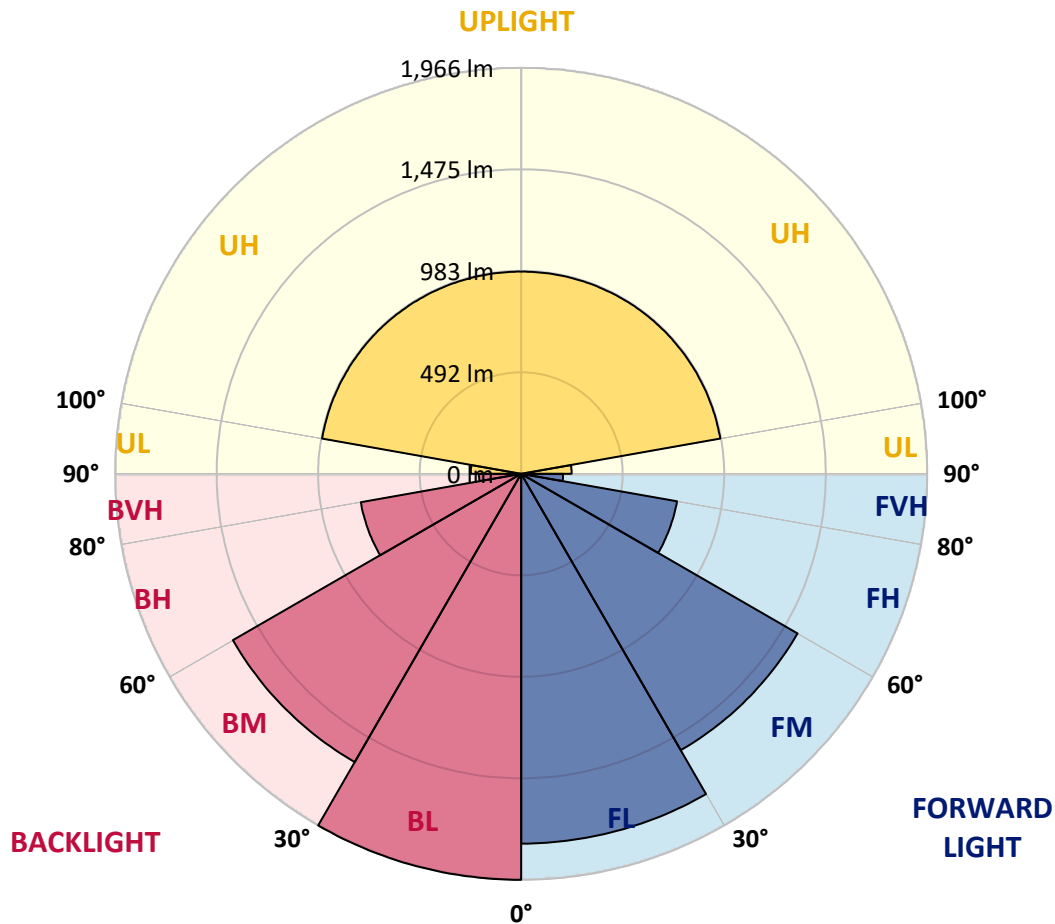
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1790.7	17.7			
FM	(30°-60°)	1545.4	15.3			
FH	(60°-80°)	766.2	7.6			G1/1800
FVH	(80°-90°)	203.4	2.0			G2/225
BL	(0°-30°)	1966.2	19.5	B3/2500		
BM	(30°-60°)	1612.0	16.0	B2/2500		
BH	(60°-80°)	788.7	7.8	B2/1000		G1/1800
BVH	(80°-90°)	204.6	2.0			G2/225
UL	(90°-100°)	244.5	2.4		U3/500	
UH	(100°-180°)	979.3	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short



REPORT NUMBER: P692004

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2
2.5°	10450.0	10465.2	10469.0	10450.0	10324.6	10260.0	10191.6	10054.8	10085.2	10066.2	10070.0
5°	9477.2	9538.0	9443.0	9416.4	9226.4	9085.8	8949.0	8800.8	8766.6	8705.8	8728.6
7.5°	8831.2	8865.4	8709.6	8550.0	8246.0	8029.4	7801.4	7573.4	7402.4	7337.8	7364.4
10°	7353.0	7467.0	7311.2	7147.8	6859.0	6600.6	6361.2	6137.0	5981.2	5931.8	5939.4
12.5°	6251.0	6315.6	6182.6	6072.4	5749.4	5502.4	5282.0	5073.0	4947.6	4894.4	4894.4
15°	5521.4	5548.0	5445.4	5232.6	4989.4	4765.2	4579.0	4427.0	4324.4	4305.4	4313.0
17.5°	4970.4	4970.4	4867.8	4700.6	4514.4	4316.8	4187.6	4073.6	4028.0	4043.2	4047.0
20°	4556.2	4560.0	4468.8	4305.4	4145.8	3967.2	3860.8	3781.0	3754.4	3781.0	3784.8
22.5°	4164.8	4183.8	4085.0	3963.4	3788.6	3648.0	3560.6	3473.2	3458.0	3469.4	3469.4
25°	3013.4	3013.4	2979.2	2884.2	2922.2	2937.4	3040.0	3260.4	3214.8	3256.6	3252.8
27.5°	2599.2	2614.4	2546.0	2462.4	2375.0	2272.4	2253.4	2234.4	2215.4	2302.8	2333.2
30°	2295.2	2302.8	2245.8	2188.8	2116.6	2059.6	2044.4	2044.4	2025.4	2093.8	2090.0
32.5°	2006.4	1995.0	1979.8	1926.6	1881.0	1831.6	1843.0	1835.4	1835.4	1896.2	1900.0
35°	1778.4	1774.6	1763.2	1725.2	1679.6	1641.6	1653.0	1660.6	1656.8	1694.8	1694.8
37.5°	1611.2	1615.0	1607.4	1592.2	1546.6	1516.2	1523.8	1516.2	1527.6	1554.2	1554.2
40°	1447.8	1447.8	1451.6	1447.8	1417.4	1406.0	1428.8	1417.4	1444.0	1463.0	1455.4
42.5°	1292.0	1295.8	1303.4	1295.8	1276.8	1265.4	1276.8	1280.6	1318.6	1345.2	1341.4
45°	1193.2	1193.2	1197.0	1193.2	1178.0	1166.6	1166.6	1155.2	1181.8	1197.0	1193.2
47.5°	1128.6	1128.6	1136.2	1132.4	1124.8	1113.4	1105.8	1090.6	1102.0	1113.4	1102.0
50°	1105.8	1105.8	1121.0	1121.0	1117.2	1105.8	1094.4	1075.4	1079.2	1086.8	1071.6
52.5°	1140.0	1140.0	1166.6	1178.0	1178.0	1159.0	1143.8	1117.2	1117.2	1124.8	1102.0
55°	1212.2	1212.2	1254.0	1276.8	1280.6	1280.6	1261.6	1235.0	1238.8	1254.0	1231.2
57.5°	1185.6	1189.4	1223.6	1254.0	1273.0	1284.4	1284.4	1269.2	1280.6	1318.6	1307.2
60°	1060.2	1067.8	1090.6	1117.2	1151.4	1162.8	1162.8	1159.0	1178.0	1223.6	1223.6
62.5°	942.4	946.2	957.6	980.4	999.4	1007.0	1007.0	991.8	1014.6	1037.4	1029.8
65°	851.2	847.4	870.2	889.2	900.6	912.0	900.6	885.4	896.8	912.0	908.2
67.5°	775.2	775.2	794.2	809.4	817.0	828.4	820.8	813.2	828.4	836.0	828.4
70°	703.0	706.8	722.0	733.4	741.0	752.4	741.0	737.2	752.4	760.0	756.2
72.5°	630.8	634.6	646.0	661.2	668.8	672.6	668.8	665.0	676.4	684.0	684.0
75°	566.2	570.0	577.6	592.8	592.8	600.4	596.6	592.8	604.2	611.8	611.8
77.5°	505.4	513.0	516.8	528.2	532.0	535.8	532.0	532.0	539.6	547.2	551.0
80°	452.2	456.0	459.8	471.2	471.2	475.0	471.2	471.2	478.8	490.2	490.2
82.5°	402.8	406.6	410.4	418.0	414.2	418.0	418.0	418.0	425.6	437.0	437.0
85°	353.4	361.0	361.0	368.6	368.6	368.6	368.6	372.4	376.2	387.6	387.6
87.5°	311.6	315.4	319.2	323.0	323.0	326.8	326.8	330.6	334.4	342.0	345.8
90°	269.8	273.6	277.4	277.4	277.4	281.2	281.2	285.0	288.8	296.4	300.2
92.5°	239.4	243.2	243.2	247.0	247.0	247.0	250.8	254.6	258.4	266.0	266.0
95°	212.8	216.6	216.6	216.6	216.6	220.4	220.4	224.2	228.0	235.6	235.6
97.5°	190.0	190.0	190.0	190.0	190.0	193.8	193.8	197.6	201.4	205.2	205.2
100°	167.2	167.2	167.2	167.2	167.2	167.2	167.2	171.0	171.0	178.6	178.6
102.5°	148.2	148.2	144.4	144.4	144.4	140.6	140.6	144.4	144.4	148.2	148.2
105°	133.0	133.0	133.0	133.0	129.2	129.2	129.2	129.2	129.2	133.0	133.0
107.5°	129.2	129.2	125.4	125.4	125.4	121.6	121.6	121.6	121.6	125.4	125.4
110°	125.4	125.4	125.4	125.4	121.6	121.6	117.8	117.8	117.8	121.6	121.6

REPORT NUMBER: P692004

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	129.2	129.2	129.2	125.4	125.4	121.6	121.6	121.6	121.6	121.6	125.4
115°	136.8	133.0	133.0	133.0	133.0	129.2	125.4	125.4	129.2	129.2	129.2
117.5°	148.2	144.4	144.4	148.2	144.4	140.6	136.8	136.8	140.6	140.6	144.4
120°	163.4	159.6	163.4	163.4	163.4	159.6	155.8	152.0	155.8	159.6	159.6
122.5°	182.4	178.6	182.4	186.2	186.2	182.4	174.8	174.8	178.6	182.4	186.2
125°	205.2	205.2	209.0	212.8	216.6	209.0	205.2	201.4	209.0	212.8	212.8
127.5°	231.8	228.0	235.6	247.0	250.8	243.2	235.6	231.8	239.4	247.0	247.0
130°	258.4	254.6	266.0	277.4	285.0	277.4	269.8	266.0	273.6	281.2	281.2
132.5°	281.2	277.4	292.6	307.8	315.4	311.6	304.0	296.4	307.8	315.4	311.6
135°	300.2	300.2	319.2	334.4	342.0	338.2	330.6	323.0	338.2	345.8	338.2
137.5°	311.6	311.6	334.4	349.6	357.2	357.2	353.4	345.8	361.0	364.8	353.4
140°	311.6	315.4	334.4	349.6	353.4	357.2	357.2	353.4	368.6	368.6	357.2
142.5°	300.2	304.0	323.0	338.2	342.0	345.8	349.6	345.8	357.2	357.2	349.6
145°	281.2	285.0	304.0	319.2	319.2	323.0	330.6	326.8	334.4	338.2	330.6
147.5°	254.6	258.4	273.6	281.2	285.0	292.6	300.2	300.2	304.0	307.8	304.0
150°	220.4	220.4	231.8	239.4	243.2	250.8	258.4	262.2	262.2	266.0	262.2
152.5°	174.8	174.8	182.4	190.0	193.8	205.2	209.0	212.8	216.6	220.4	216.6
155°	133.0	133.0	136.8	140.6	144.4	155.8	159.6	163.4	167.2	171.0	167.2
157.5°	95.0	95.0	98.8	102.6	106.4	114.0	117.8	121.6	121.6	125.4	125.4
160°	60.8	64.6	64.6	68.4	68.4	76.0	79.8	79.8	83.6	87.4	87.4
162.5°	30.4	34.2	34.2	38.0	41.8	45.6	49.4	49.4	53.2	53.2	53.2
165°	7.6	11.4	11.4	15.2	15.2	19.0	22.8	22.8	26.6	26.6	26.6
167.5°	0.0	3.8	3.8	3.8	3.8	3.8	3.8	7.6	7.6	7.6	7.6
170°	0.0	0.0	0.0	0.0	3.8	0.0	0.0	3.8	3.8	3.8	3.8
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: P692004

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2	11225.2
2.5°	10172.6	10165.0	10374.0	10541.2	10738.8	10894.6	11046.6	11191.0	11248.0	11244.2	11248.0
5°	8831.2	8964.2	9237.8	9507.6	9826.8	10127.0	10408.2	10594.4	10712.2	10712.2	10723.6
7.5°	7486.0	7698.8	8037.0	8466.4	8945.2	9336.6	9811.6	10146.0	10412.0	10404.4	10453.8
10°	6045.8	6213.0	6551.2	7011.0	7539.2	7991.4	8405.6	8717.2	8975.6	8960.4	9025.0
12.5°	4966.6	5084.4	5377.0	5795.0	6277.6	6714.6	7121.2	7364.4	7546.8	7543.0	7577.2
15°	4332.0	4453.6	4643.6	4932.4	5331.4	5719.0	6125.6	6346.0	6448.6	6437.2	6494.2
17.5°	4073.6	4123.0	4240.8	4434.6	4723.4	5038.8	5361.8	5551.8	5669.6	5654.4	5696.2
20°	3796.2	3841.8	3921.6	4066.0	4271.2	4510.6	4784.2	4993.2	5080.6	5076.8	5103.4
22.5°	3477.0	3499.8	3587.2	3701.2	3849.4	4043.2	4252.2	4442.2	4529.6	4525.8	4552.4
25°	3256.6	3294.6	3347.8	3416.2	3518.8	3670.8	3845.6	3978.6	4058.4	4050.8	4085.0
27.5°	2378.8	2416.8	2443.4	2485.2	2489.0	2614.4	2675.2	2785.4	2857.6	2853.8	2876.6
30°	2090.0	2097.6	2120.4	2177.4	2211.6	2310.4	2432.0	2515.6	2576.4	2599.2	2614.4
32.5°	1907.6	1930.4	1957.0	1983.6	2025.4	2086.2	2181.2	2257.2	2321.8	2333.2	2359.8
35°	1698.6	1713.8	1732.8	1759.4	1786.0	1835.4	1907.6	1968.4	2017.8	2036.8	2052.0
37.5°	1550.4	1554.2	1573.2	1603.6	1626.4	1668.2	1732.8	1778.4	1827.8	1831.6	1846.8
40°	1451.6	1455.4	1474.4	1501.0	1527.6	1554.2	1611.2	1653.0	1687.2	1691.0	1702.4
42.5°	1337.6	1349.0	1356.6	1368.0	1387.0	1409.8	1459.2	1482.0	1504.8	1508.6	1523.8
45°	1181.8	1185.6	1193.2	1204.6	1227.4	1250.2	1284.4	1311.0	1326.2	1326.2	1322.4
47.5°	1094.4	1098.2	1098.2	1113.4	1132.4	1155.2	1185.6	1208.4	1216.0	1216.0	1216.0
50°	1064.0	1064.0	1056.4	1067.8	1086.8	1102.0	1132.4	1151.4	1155.2	1159.0	1162.8
52.5°	1086.8	1079.2	1056.4	1067.8	1086.8	1102.0	1132.4	1140.0	1140.0	1147.6	1151.4
55°	1212.2	1200.8	1155.2	1162.8	1185.6	1204.6	1227.4	1231.2	1238.8	1250.2	1246.4
57.5°	1292.0	1299.6	1246.4	1257.8	1299.6	1314.8	1341.4	1337.6	1352.8	1368.0	1371.8
60°	1216.0	1238.8	1197.0	1212.2	1261.6	1269.2	1295.8	1280.6	1303.4	1303.4	1303.4
62.5°	1033.6	1041.2	1018.4	1041.2	1086.8	1086.8	1105.8	1094.4	1102.0	1094.4	1098.2
65°	904.4	900.6	874.0	904.4	919.6	927.2	942.4	946.2	946.2	938.6	938.6
67.5°	824.6	817.0	794.2	801.8	817.0	820.8	843.6	847.4	843.6	843.6	847.4
70°	752.4	741.0	718.2	722.0	733.4	737.2	756.2	763.8	760.0	756.2	760.0
72.5°	680.2	668.8	646.0	646.0	657.4	665.0	680.2	687.8	680.2	680.2	684.0
75°	611.8	600.4	577.6	577.6	585.2	589.0	608.0	611.8	608.0	604.2	608.0
77.5°	551.0	543.4	520.6	520.6	524.4	528.2	539.6	543.4	539.6	535.8	539.6
80°	494.0	482.6	467.4	463.6	467.4	467.4	478.8	482.6	475.0	475.0	478.8
82.5°	440.8	429.4	414.2	414.2	410.4	414.2	421.8	425.6	421.8	418.0	421.8
85°	391.4	383.8	368.6	364.8	364.8	364.8	372.4	372.4	368.6	368.6	368.6
87.5°	345.8	338.2	323.0	323.0	319.2	323.0	326.8	326.8	323.0	323.0	323.0
90°	300.2	292.6	281.2	281.2	277.4	281.2	285.0	285.0	281.2	281.2	281.2
92.5°	266.0	262.2	250.8	250.8	247.0	250.8	250.8	250.8	247.0	247.0	247.0
95°	235.6	231.8	224.2	220.4	220.4	220.4	220.4	220.4	216.6	216.6	216.6
97.5°	205.2	201.4	193.8	193.8	190.0	193.8	193.8	193.8	190.0	190.0	190.0
100°	178.6	174.8	171.0	171.0	167.2	167.2	167.2	167.2	167.2	167.2	167.2
102.5°	148.2	148.2	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4	144.4
105°	133.0	133.0	133.0	133.0	136.8	136.8	136.8	133.0	133.0	133.0	133.0
107.5°	125.4	125.4	125.4	129.2	129.2	129.2	133.0	125.4	121.6	121.6	121.6
110°	121.6	121.6	125.4	125.4	129.2	129.2	133.0	117.8	114.0	114.0	114.0

REPORT NUMBER: P692004

CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	125.4	125.4	125.4	129.2	133.0	133.0	136.8	117.8	114.0	114.0	114.0
115°	133.0	133.0	133.0	136.8	140.6	144.4	144.4	125.4	117.8	117.8	121.6
117.5°	144.4	144.4	144.4	148.2	155.8	155.8	155.8	133.0	129.2	129.2	129.2
120°	159.6	163.4	163.4	167.2	174.8	178.6	171.0	152.0	129.2	140.6	140.6
122.5°	182.4	186.2	190.0	193.8	205.2	205.2	193.8	174.8	140.6	155.8	159.6
125°	212.8	216.6	220.4	228.0	239.4	239.4	224.2	197.6	159.6	174.8	178.6
127.5°	243.2	250.8	254.6	266.0	281.2	281.2	262.2	228.0	178.6	190.0	193.8
130°	277.4	285.0	292.6	307.8	326.8	319.2	304.0	258.4	193.8	201.4	201.4
132.5°	307.8	319.2	323.0	345.8	364.8	357.2	338.2	277.4	201.4	201.4	197.6
135°	330.6	338.2	342.0	364.8	383.8	372.4	349.6	285.0	197.6	190.0	190.0
137.5°	345.8	353.4	357.2	372.4	387.6	368.6	338.2	269.8	190.0	186.2	182.4
140°	353.4	353.4	353.4	364.8	372.4	349.6	311.6	243.2	171.0	178.6	178.6
142.5°	345.8	342.0	338.2	345.8	349.6	323.0	288.8	216.6	155.8	163.4	163.4
145°	326.8	319.2	315.4	319.2	319.2	288.8	250.8	186.2	136.8	140.6	140.6
147.5°	300.2	288.8	281.2	281.2	277.4	247.0	212.8	155.8	117.8	114.0	114.0
150°	258.4	247.0	239.4	239.4	228.0	201.4	171.0	121.6	95.0	95.0	95.0
152.5°	212.8	201.4	193.8	193.8	182.4	155.8	129.2	91.2	72.2	72.2	72.2
155°	167.2	155.8	148.2	144.4	136.8	117.8	95.0	68.4	53.2	53.2	53.2
157.5°	125.4	117.8	110.2	106.4	98.8	87.4	68.4	49.4	34.2	38.0	38.0
160°	87.4	79.8	76.0	72.2	68.4	57.0	45.6	30.4	19.0	19.0	19.0
162.5°	53.2	49.4	49.4	45.6	41.8	38.0	26.6	15.2	7.6	7.6	7.6
165°	26.6	26.6	22.8	22.8	19.0	15.2	11.4	3.8	0.0	0.0	0.0
167.5°	7.6	7.6	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
170°	3.8	3.8	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)