

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: P691880

Luminaire Tested: **CRTK2-C01H-D-U-T3-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T3-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9027.9 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - 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

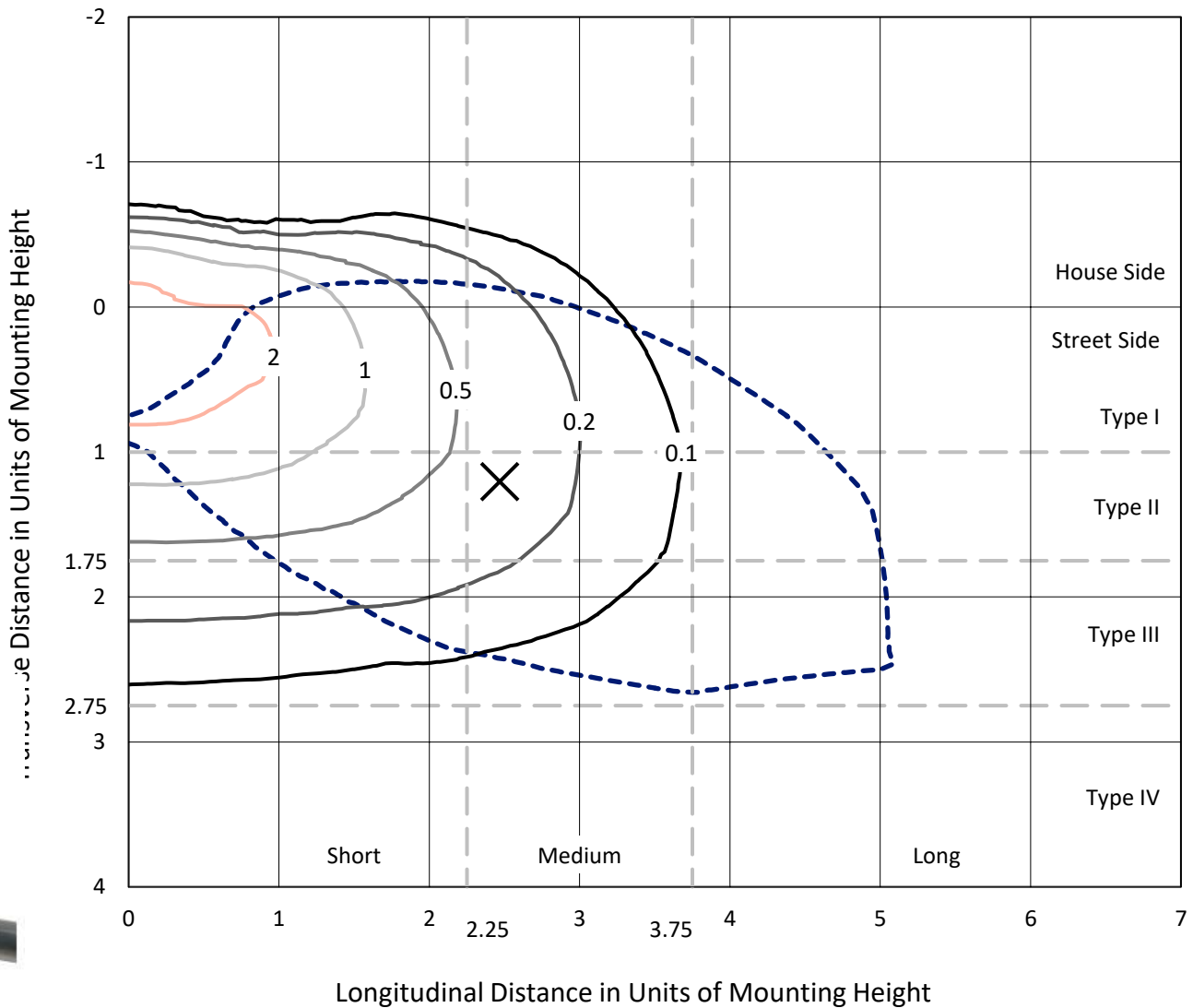


REPORT NUMBER: P691880

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

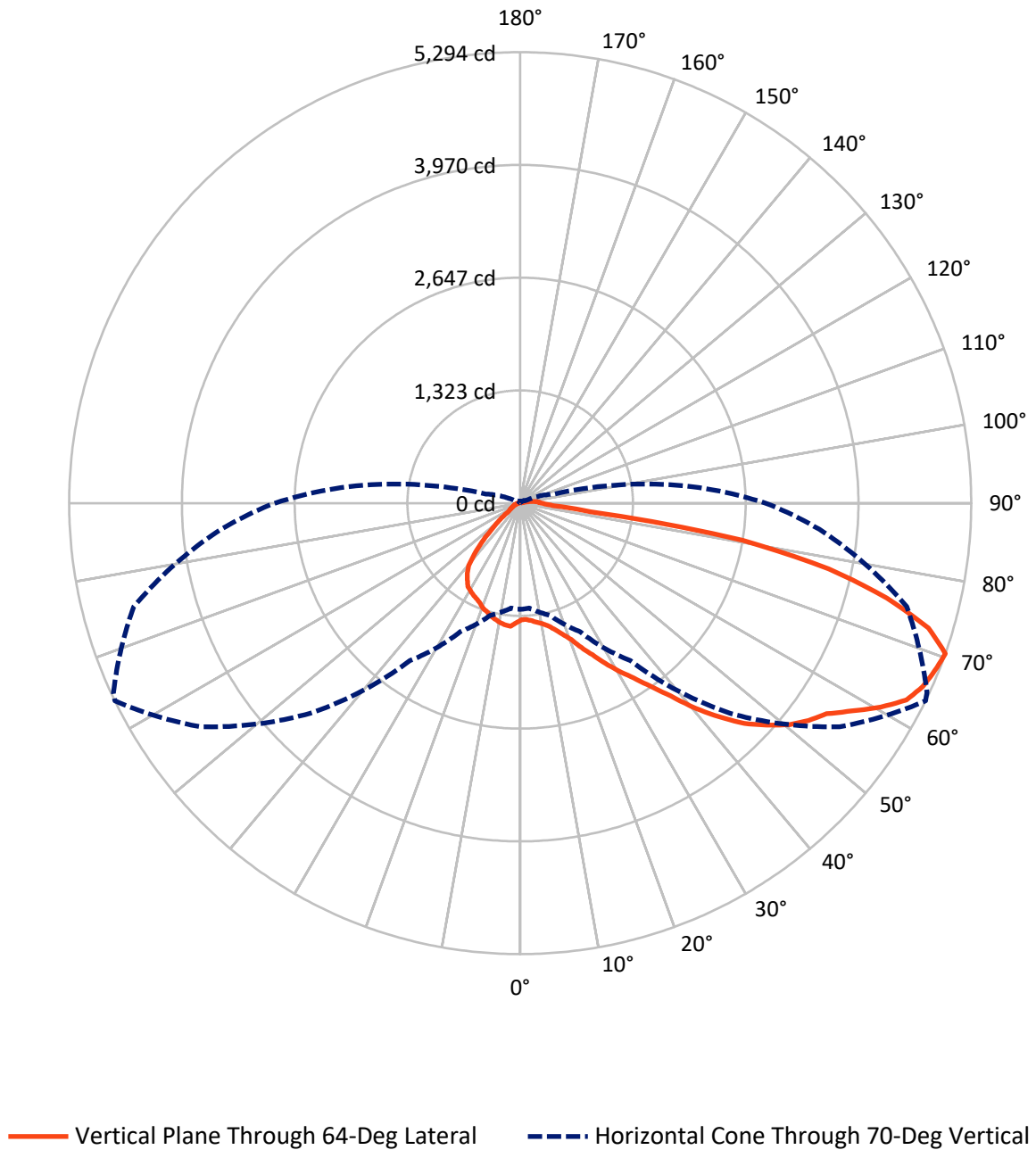


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P691880

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691880

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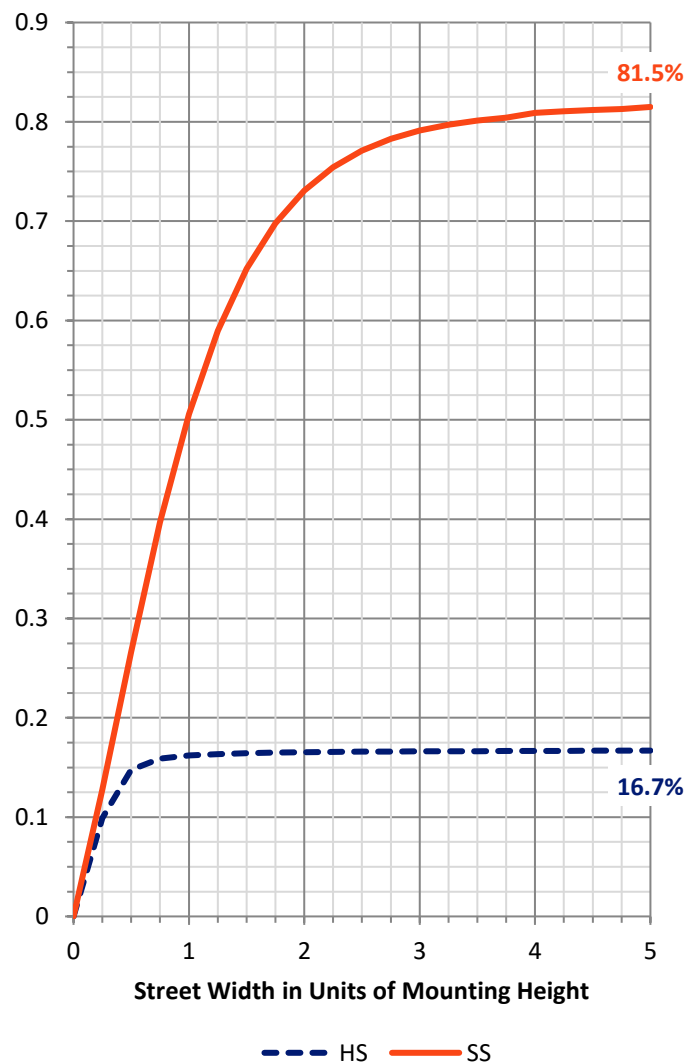
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1531.1	18.6	1549.7
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	7402.1	76.1	7478.3
	% Fixture	82.0	0.8	82.8
Total	Lumens	8933.2	94.7	9027.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.7	1.5
10°-20°	416.1	4.6
20°-30°	719.3	8.0
30°-40°	1067.3	11.8
40°-50°	1466.1	16.2
50°-60°	1780.5	19.7
60°-70°	1891.6	21.0
70°-80°	1249.7	13.8
80°-90°	206.9	2.3
90°-100°	77.1	0.9
100°-110°	13.0	0.1
110°-120°	1.0	0.0
120°-130°	1.0	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8933.2	99.0
0°-180°	9027.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691880

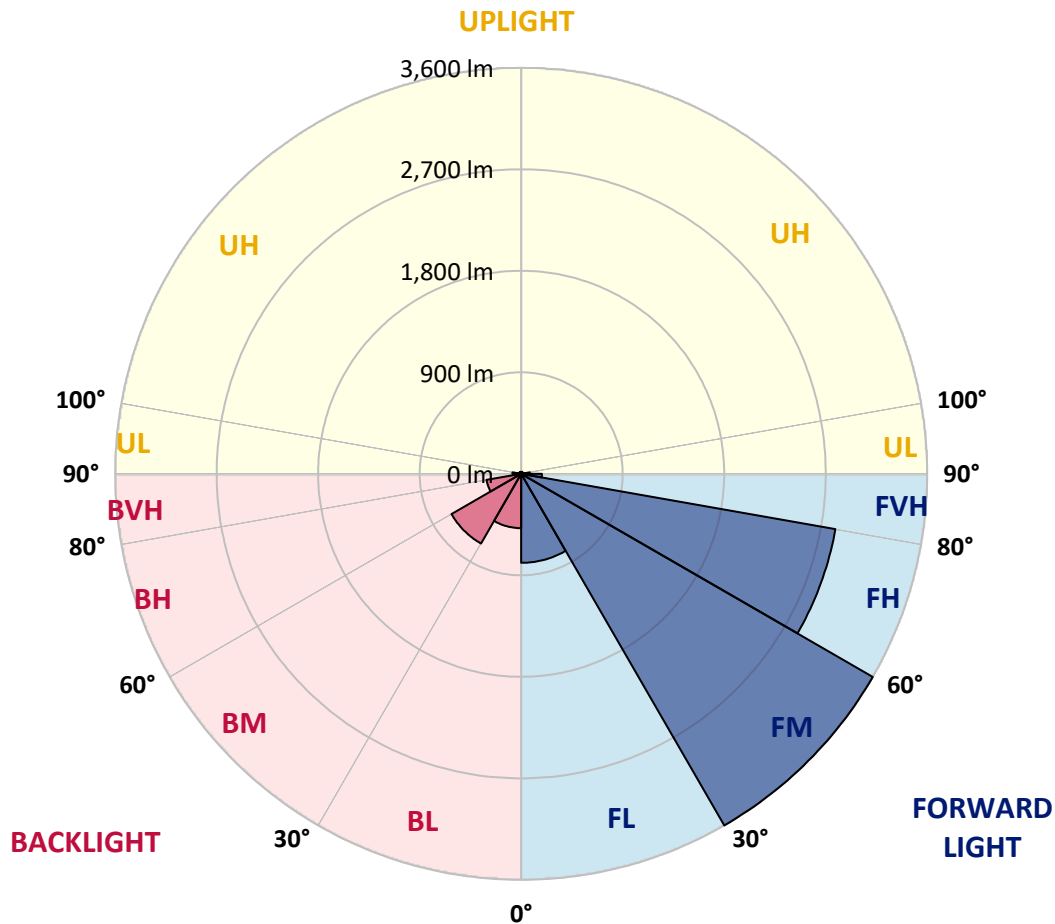
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	789.1	8.7			
FM	(30°-60°)	3600.2	39.9			
FH	(60°-80°)	2829.1	31.3			G2/5000
FVH	(80°-90°)	183.7	2.0			G2/225
BL	(0°-30°)	482.0	5.3	B1/500		
BM	(30°-60°)	713.7	7.9	B1/1000		
BH	(60°-80°)	312.2	3.5	B1/500		G1/500
BVH	(80°-90°)	23.2	0.3			G1/100
UL	(90°-100°)	77.1	0.9		U3/500	
UH	(100°-180°)	17.6	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



REPORT NUMBER: P691880

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5
2.5°	1379.2	1376.0	1379.2	1376.0	1372.7	1369.5	1366.3	1366.3	1363.0	1366.3	1369.5
5°	1440.6	1443.8	1437.3	1424.4	1408.3	1395.3	1388.9	1385.7	1385.7	1388.9	1401.8
7.5°	1485.8	1482.5	1479.3	1476.1	1463.2	1434.1	1418.0	1411.5	1411.5	1405.0	1427.6
10°	1566.5	1560.1	1543.9	1524.5	1511.6	1479.3	1450.2	1440.6	1437.3	1440.6	1459.9
12.5°	1653.7	1647.3	1644.0	1624.7	1579.4	1550.4	1501.9	1479.3	1479.3	1479.3	1489.0
15°	1779.7	1770.0	1737.7	1715.1	1676.3	1627.9	1573.0	1540.7	1540.7	1547.1	1521.3
17.5°	1870.1	1863.7	1860.5	1821.7	1789.4	1715.1	1673.1	1618.2	1618.2	1631.1	1576.2
20°	1963.8	1957.4	1960.6	1954.1	1905.7	1847.5	1773.2	1708.6	1708.6	1711.9	1634.4
22.5°	2089.8	2080.1	2080.1	2076.9	2051.0	1983.2	1896.0	1841.1	1831.4	1805.5	1708.6
25°	2215.7	2212.5	2206.1	2209.3	2202.8	2125.3	2031.6	1970.3	1970.3	1934.7	1808.8
27.5°	2341.7	2341.7	2338.5	2341.7	2338.5	2290.0	2196.4	2131.8	2135.0	2089.8	1918.6
30°	2432.2	2428.9	2451.5	2461.2	2467.7	2448.3	2357.9	2286.8	2293.3	2248.0	2047.8
32.5°	2516.1	2512.9	2551.7	2574.3	2580.7	2577.5	2503.2	2445.1	2461.2	2419.2	2202.8
35°	2593.7	2590.4	2642.1	2700.2	2726.1	2719.6	2671.2	2638.9	2655.0	2651.8	2412.8
37.5°	2651.8	2661.5	2729.3	2810.1	2855.3	2858.5	2835.9	2871.4	2890.8	2955.4	2674.4
40°	2719.6	2719.6	2784.2	2871.4	2952.2	2984.5	3003.9	3165.4	3184.7	3197.7	2848.8
42.5°	2648.6	2667.9	2806.8	2936.0	3039.4	3113.7	3220.3	3430.2	3472.2	3375.3	3062.0
45°	2593.7	2609.8	2751.9	2968.3	3116.9	3255.8	3456.1	3688.6	3720.9	3553.0	3175.0
47.5°	2535.5	2561.4	2706.7	2945.7	3191.2	3430.2	3653.1	3892.1	3921.2	3704.8	3333.3
50°	2467.7	2496.8	2651.8	2913.4	3230.0	3594.9	3830.7	4089.1	4092.4	3837.2	3420.5
52.5°	2403.1	2422.5	2584.0	2871.4	3262.3	3720.9	3998.7	4237.7	4218.3	4005.1	3514.2
55°	2293.3	2332.0	2503.2	2813.3	3278.4	3792.0	4115.0	4363.7	4376.6	4186.0	3640.2
57.5°	2193.1	2219.0	2399.9	2729.3	3265.5	3834.0	4228.0	4599.5	4625.3	4347.5	3730.6
60°	2067.2	2083.3	2257.7	2613.0	3181.5	3905.0	4479.9	4861.1	4890.2	4502.6	3766.1
62.5°	1908.9	1908.9	2083.3	2458.0	3074.9	3956.7	4654.4	5087.2	5087.2	4625.3	3779.0
65°	1705.4	1715.1	1870.1	2248.0	2897.3	3927.6	4706.0	5193.8	5203.5	4712.5	3772.6
67.5°	1508.4	1505.2	1640.8	1973.5	2629.2	3775.8	4667.3	5248.7	5287.4	4764.2	3688.6
70°	1246.8	1237.1	1363.0	1663.4	2254.5	3488.4	4576.8	5293.9	5268.1	4696.4	3523.9
72.5°	959.3	949.6	1043.3	1272.6	1776.5	2994.2	4312.0	5009.7	4964.4	4328.1	3184.7
75°	681.5	668.6	742.9	894.7	1169.2	2189.9	3698.3	4444.4	4392.7	3892.1	2658.3
77.5°	387.6	374.7	442.5	565.2	707.4	1240.3	2800.4	3704.8	3775.8	3210.6	2031.6
80°	171.2	164.7	193.8	271.3	397.3	591.1	1524.5	2648.6	2551.7	2189.9	1156.3
82.5°	145.3	145.3	148.6	155.0	161.5	271.3	571.7	833.3	797.8	642.8	368.2
85°	126.0	122.7	129.2	135.7	138.9	177.6	332.7	400.5	394.1	355.3	255.2
87.5°	103.4	96.9	106.6	113.0	113.0	145.3	248.7	293.9	293.9	297.2	226.1
90°	90.4	90.4	84.0	84.0	87.2	103.4	190.6	242.2	248.7	306.8	261.6
92.5°	77.5	77.5	77.5	77.5	64.6	74.3	135.7	216.4	232.6	300.4	235.8
95°	74.3	71.1	74.3	67.8	64.6	67.8	103.4	190.6	209.9	264.9	206.7
97.5°	51.7	48.4	54.9	54.9	58.1	61.4	87.2	142.1	148.6	197.0	155.0
100°	35.5	32.3	32.3	32.3	42.0	42.0	71.1	87.2	90.4	126.0	103.4
102.5°	19.4	16.1	16.1	16.1	22.6	25.8	35.5	48.4	48.4	67.8	58.1
105°	6.5	6.5	9.7	9.7	9.7	12.9	12.9	16.1	16.1	19.4	25.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2

REPORT NUMBER: P691880

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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: P691880

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5	1369.5
2.5°	1372.7	1379.2	1395.3	1405.0	1418.0	1430.9	1440.6	1440.6	1450.2	1443.8	1440.6
5°	1414.7	1418.0	1437.3	1450.2	1447.0	1434.1	1424.4	1418.0	1421.2	1427.6	1427.6
7.5°	1443.8	1456.7	1440.6	1440.6	1437.3	1421.2	1401.8	1382.4	1372.7	1369.5	1369.5
10°	1459.9	1447.0	1440.6	1424.4	1388.9	1379.2	1363.0	1327.5	1317.8	1317.8	1304.9
12.5°	1469.6	1463.2	1427.6	1398.6	1366.3	1314.6	1279.1	1272.6	1243.5	1240.3	1243.5
15°	1508.4	1476.1	1430.9	1376.0	1314.6	1269.4	1220.9	1169.2	1146.6	1149.9	1153.1
17.5°	1534.2	1505.2	1424.4	1337.2	1282.3	1198.3	1143.4	1114.3	1078.8	1078.8	1078.8
20°	1576.2	1527.8	1414.7	1321.1	1191.9	1130.5	1065.9	1033.6	998.1	936.7	930.2
22.5°	1631.1	1569.8	1411.5	1272.6	1156.3	1056.2	962.5	862.4	810.7	775.2	765.5
25°	1699.0	1627.9	1434.1	1250.0	1088.5	965.8	846.2	710.6	613.7	594.3	594.3
27.5°	1815.2	1702.2	1463.2	1227.4	1049.7	865.6	678.3	558.8	474.8	449.0	445.7
30°	1928.3	1795.9	1472.9	1204.8	975.4	730.0	523.3	397.3	323.0	290.7	284.2
32.5°	2105.9	1925.1	1556.8	1185.4	891.5	587.9	371.4	251.9	190.6	171.2	168.0
35°	2286.8	2099.5	1585.9	1133.7	739.7	429.6	213.2	135.7	103.4	87.2	84.0
37.5°	2519.4	2319.1	1673.1	1078.8	587.9	245.5	119.5	74.3	64.6	64.6	64.6
40°	2655.0	2416.0	1750.6	1007.7	403.7	126.0	71.1	58.1	58.1	54.9	54.9
42.5°	2829.4	2535.5	1818.5	868.9	213.2	77.5	61.4	54.9	48.4	48.4	48.4
45°	2929.6	2613.0	1795.9	697.7	100.1	71.1	58.1	48.4	45.2	45.2	45.2
47.5°	3052.3	2709.9	1747.4	516.8	87.2	64.6	54.9	45.2	42.0	45.2	45.2
50°	3175.0	2806.8	1624.7	397.3	80.7	61.4	48.4	38.8	38.8	42.0	42.0
52.5°	3236.4	2874.7	1479.3	274.5	80.7	58.1	45.2	38.8	35.5	35.5	35.5
55°	3307.5	2890.8	1356.6	180.9	77.5	54.9	42.0	32.3	32.3	29.1	29.1
57.5°	3346.2	2848.8	1266.1	151.8	74.3	51.7	38.8	29.1	25.8	22.6	22.6
60°	3330.1	2787.5	1188.6	132.4	67.8	48.4	35.5	25.8	19.4	16.1	16.1
62.5°	3297.8	2735.8	1046.5	116.3	64.6	42.0	29.1	22.6	16.1	12.9	12.9
65°	3262.3	2596.9	881.8	100.1	58.1	38.8	25.8	19.4	12.9	9.7	9.7
67.5°	3097.5	2412.8	646.0	90.4	54.9	35.5	22.6	16.1	12.9	9.7	9.7
70°	2881.1	2105.9	416.7	77.5	48.4	32.3	22.6	12.9	9.7	6.5	6.5
72.5°	2451.5	1718.3	209.9	67.8	45.2	32.3	19.4	12.9	9.7	6.5	3.2
75°	2002.6	1282.3	135.7	58.1	42.0	32.3	19.4	12.9	6.5	3.2	3.2
77.5°	1434.1	694.4	103.4	51.7	35.5	32.3	16.1	9.7	6.5	6.5	3.2
80°	597.5	251.9	84.0	42.0	32.3	29.1	16.1	9.7	6.5	6.5	3.2
82.5°	251.9	174.4	74.3	35.5	29.1	29.1	12.9	9.7	6.5	6.5	6.5
85°	197.0	145.3	64.6	32.3	25.8	32.3	12.9	9.7	9.7	9.7	9.7
87.5°	184.1	148.6	58.1	29.1	25.8	22.6	12.9	9.7	16.1	16.1	19.4
90°	206.7	155.0	45.2	25.8	22.6	19.4	9.7	6.5	6.5	0.0	0.0
92.5°	190.6	142.1	32.3	19.4	29.1	12.9	6.5	0.0	0.0	0.0	0.0
95°	164.7	119.5	19.4	12.9	32.3	16.1	3.2	0.0	0.0	0.0	0.0
97.5°	122.7	87.2	12.9	6.5	25.8	19.4	3.2	0.0	0.0	0.0	0.0
100°	87.2	54.9	9.7	6.5	16.1	19.4	3.2	0.0	0.0	0.0	0.0
102.5°	48.4	29.1	6.5	3.2	6.5	6.5	0.0	0.0	0.0	0.0	0.0
105°	22.6	9.7	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691880

CATALOG NUMBER: CRTK2-C01H-D-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
115°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
122.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
125°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
130°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
132.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
135°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
137.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
140°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
142.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
145°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
147.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
150°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
157.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.2	3.2	3.2	3.2	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)