

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: P691825

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T5R-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10730 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G2

Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (A_{in}): 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

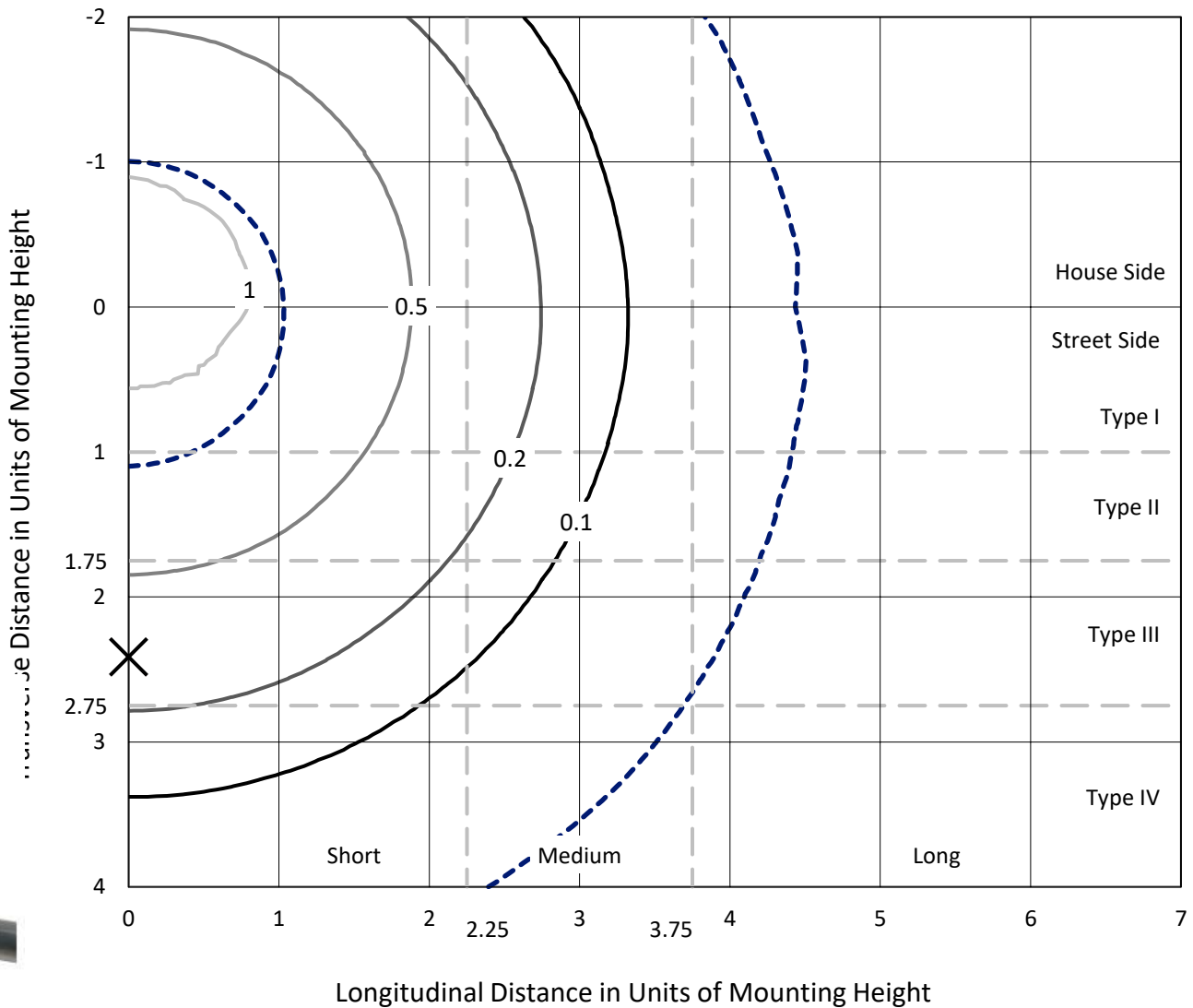


REPORT NUMBER: P691825

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

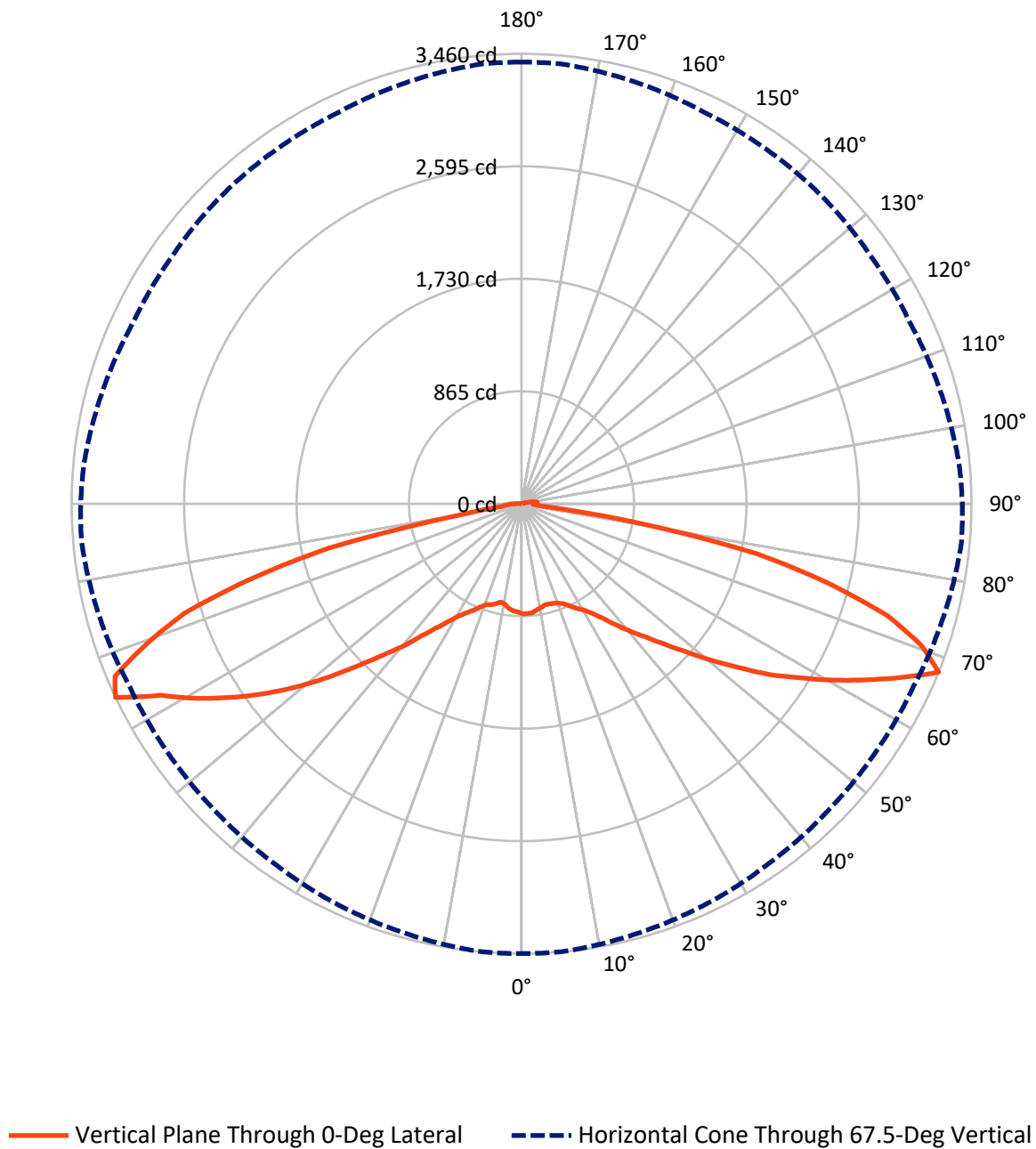


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type V - Short - N/A

REPORT NUMBER: P691825

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040

Luminous Intensity Polar Plot



REPORT NUMBER: P691825

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040

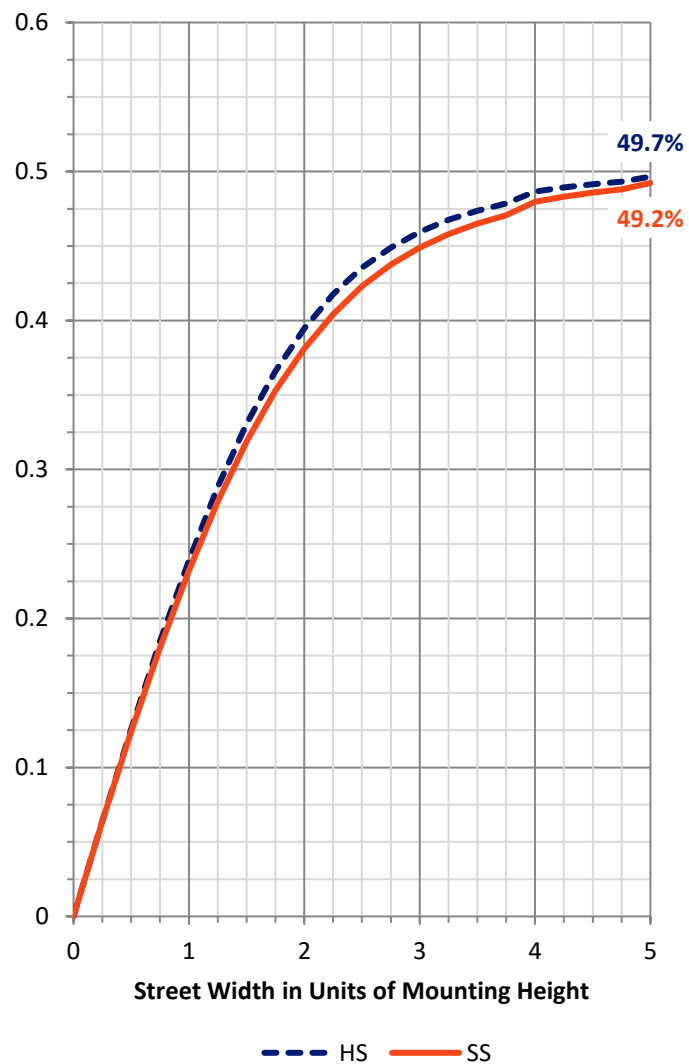
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5312.6	50.3	5363.0
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	5295.8	71.2	5367.0
	% Fixture	49.4	0.7	50.0
Total	Lumens	10608.4	121.6	10730.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	0.7
10°-20°	233.5	2.2
20°-30°	422.0	3.9
30°-40°	727.8	6.8
40°-50°	1291.2	12.0
50°-60°	2198.1	20.5
60°-70°	3149.3	29.4
70°-80°	2289.8	21.3
80°-90°	217.4	2.0
90°-100°	98.1	0.9
100°-110°	23.5	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10608.4	98.9
0°-180°	10730.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691825

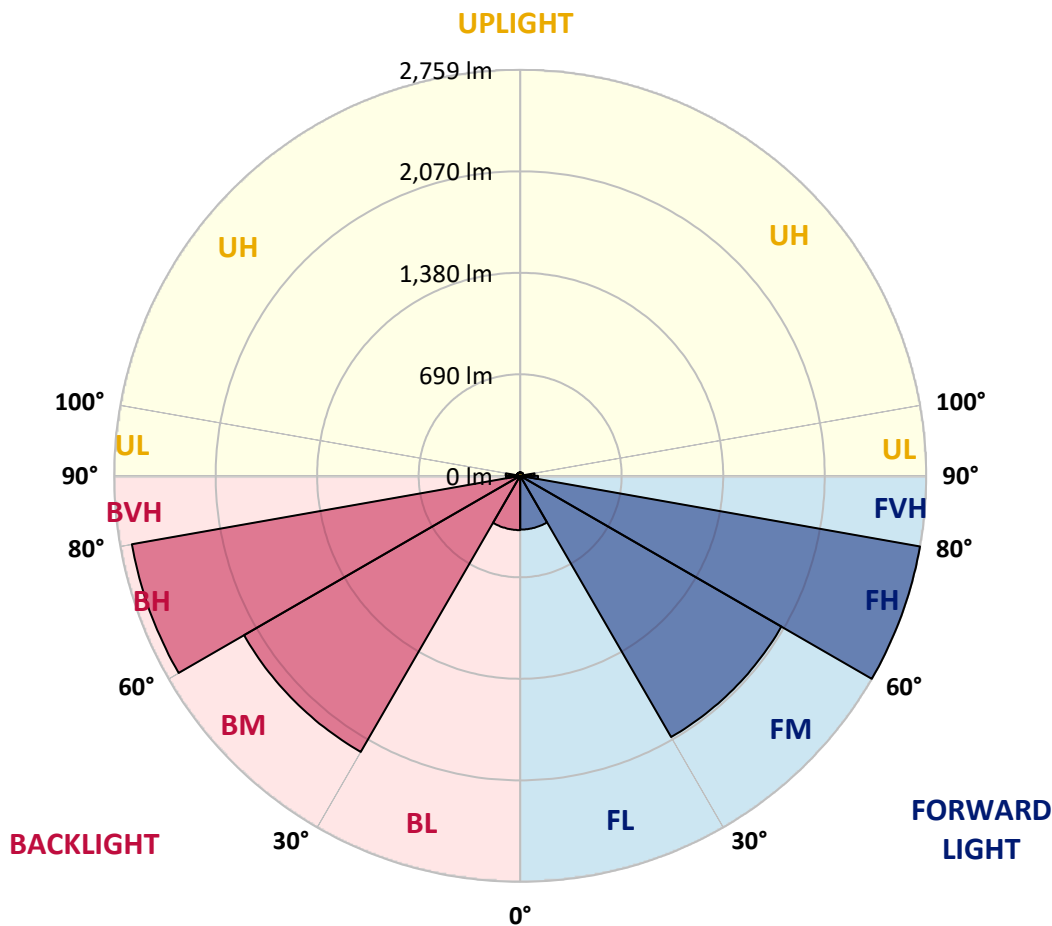
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	365.7	3.4			
FM	(30°-60°)	2050.0	19.1			
FH	(60°-80°)	2759.4	25.7			G2/5000
FVH	(80°-90°)	120.8	1.1			G2/225
BL	(0°-30°)	369.1	3.4	B1/500		
BM	(30°-60°)	2167.2	20.2	B2/2500		
BH	(60°-80°)	2679.7	25.0	B4/5000		G2/5000
BVH	(80°-90°)	96.6	0.9			G1/100
UL	(90°-100°)	98.1	0.9		U3/500	
UH	(100°-180°)	23.5	0.2		U2/50	

BUG Rating: B4-U3-G2

Type V Short



REPORT NUMBER: P691825

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9
2.5°	845.9	845.9	845.9	845.9	845.9	845.9	842.5	835.8	835.8	835.8	835.8
5°	842.5	842.5	842.5	842.5	845.9	845.9	845.9	839.2	839.2	839.2	839.2
7.5°	825.8	825.8	829.1	829.1	832.5	835.8	832.5	832.5	832.5	835.8	835.8
10°	812.4	812.4	815.8	815.8	819.1	819.1	825.8	825.8	829.1	832.5	832.5
12.5°	799.0	799.0	802.4	809.1	812.4	815.8	819.1	822.5	829.1	832.5	832.5
15°	799.0	799.0	799.0	805.7	815.8	822.5	825.8	832.5	839.2	842.5	845.9
17.5°	805.7	805.7	805.7	812.4	819.1	829.1	839.2	842.5	849.2	855.9	855.9
20°	815.8	815.8	819.1	825.8	835.8	842.5	849.2	859.2	865.9	872.6	875.9
22.5°	835.8	839.2	839.2	842.5	852.5	862.6	869.3	875.9	886.0	892.7	899.3
25°	872.6	869.3	869.3	875.9	882.6	892.7	896.0	902.7	912.7	922.7	926.1
27.5°	912.7	909.4	909.4	916.1	922.7	929.4	932.8	942.8	952.8	962.9	966.2
30°	949.5	949.5	952.8	959.5	966.2	976.2	979.6	989.6	996.3	1009.7	1009.7
32.5°	1006.3	1009.7	1013.0	1016.4	1023.0	1033.1	1043.1	1046.5	1053.1	1063.2	1069.9
35°	1083.2	1089.9	1089.9	1093.3	1110.0	1120.0	1113.3	1123.3	1133.4	1146.7	1153.4
37.5°	1183.5	1180.2	1190.2	1203.6	1206.9	1217.0	1213.6	1220.3	1233.7	1250.4	1260.4
40°	1290.5	1293.9	1293.9	1297.2	1307.2	1310.6	1323.9	1334.0	1347.3	1370.8	1377.4
42.5°	1400.8	1407.5	1414.2	1417.6	1434.3	1437.6	1447.6	1461.0	1477.7	1494.5	1501.1
45°	1537.9	1534.6	1551.3	1558.0	1574.7	1594.8	1594.8	1601.4	1628.2	1644.9	1654.9
47.5°	1701.7	1708.4	1718.5	1728.5	1755.2	1758.6	1775.3	1785.3	1802.0	1818.8	1822.1
50°	1892.3	1892.3	1902.3	1922.4	1939.1	1955.8	1965.9	1979.2	1992.6	2019.3	2032.7
52.5°	2092.9	2096.2	2109.6	2129.7	2156.4	2159.8	2169.8	2193.2	2203.2	2209.9	2233.3
55°	2320.2	2310.2	2320.2	2350.3	2380.4	2377.1	2380.4	2407.2	2423.9	2437.3	2443.9
57.5°	2527.5	2527.5	2537.6	2561.0	2567.6	2577.7	2581.0	2604.4	2624.5	2641.2	2644.5
60°	2754.9	2751.5	2758.2	2778.3	2801.7	2801.7	2798.3	2821.7	2841.8	2845.1	2868.5
62.5°	2982.2	2972.2	2978.9	2992.2	3005.6	2992.2	3005.6	3025.7	3042.4	3055.8	3062.5
65°	3219.6	3206.2	3209.6	3196.2	3176.1	3159.4	3189.5	3246.3	3296.5	3323.2	3326.6
67.5°	3460.3	3460.3	3423.5	3390.1	3356.7	3336.6	3326.6	3326.6	3360.0	3396.8	3390.1
70°	3263.1	3269.7	3239.7	3216.2	3162.8	3146.0	3136.0	3102.6	3119.3	3129.3	3105.9
72.5°	2942.1	2905.3	2891.9	2881.9	2841.8	2811.7	2778.3	2754.9	2744.8	2751.5	2724.8
75°	2430.6	2504.1	2464.0	2443.9	2417.2	2403.8	2316.9	2290.2	2286.8	2313.6	2313.6
77.5°	1848.8	1889.0	1862.2	1872.2	1832.1	1825.4	1792.0	1761.9	1738.5	1731.8	1665.0
80°	959.5	989.6	996.3	1029.7	1023.0	1003.0	979.6	892.7	869.3	882.6	819.1
82.5°	173.9	180.5	183.9	187.2	173.9	180.5	183.9	167.2	177.2	173.9	167.2
85°	100.3	100.3	103.6	103.6	97.0	90.3	97.0	93.6	93.6	100.3	100.3
87.5°	86.9	90.3	93.6	93.6	83.6	76.9	83.6	83.6	86.9	90.3	90.3
90°	90.3	90.3	97.0	97.0	86.9	80.2	90.3	93.6	93.6	93.6	97.0
92.5°	120.4	117.0	120.4	120.4	110.3	103.6	117.0	117.0	117.0	117.0	120.4
95°	117.0	113.7	117.0	113.7	107.0	100.3	110.3	113.7	113.7	113.7	117.0
97.5°	100.3	100.3	100.3	100.3	90.3	86.9	100.3	100.3	97.0	97.0	100.3
100°	76.9	73.6	73.6	73.6	70.2	70.2	76.9	73.6	70.2	73.6	76.9
102.5°	50.1	50.1	50.1	50.1	50.1	50.1	50.1	46.8	46.8	46.8	53.5
105°	30.1	30.1	26.7	26.7	26.7	26.7	26.7	23.4	23.4	23.4	30.1
107.5°	10.0	10.0	6.7	6.7	6.7	6.7	6.7	3.3	3.3	3.3	10.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691825

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	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

REPORT NUMBER: P691825

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9	845.9
2.5°	839.2	839.2	842.5	839.2	839.2	835.8	832.5	829.1	832.5	832.5
5°	839.2	842.5	839.2	835.8	832.5	829.1	829.1	822.5	822.5	825.8
7.5°	835.8	842.5	835.8	832.5	822.5	819.1	815.8	809.1	809.1	809.1
10°	832.5	832.5	829.1	815.8	809.1	799.0	795.7	789.0	785.7	782.3
12.5°	832.5	832.5	822.5	812.4	802.4	789.0	785.7	779.0	775.6	772.3
15°	842.5	845.9	839.2	825.8	809.1	805.7	795.7	792.4	789.0	795.7
17.5°	859.2	855.9	849.2	835.8	825.8	822.5	809.1	809.1	805.7	812.4
20°	875.9	869.3	862.6	855.9	842.5	835.8	835.8	825.8	829.1	822.5
22.5°	896.0	899.3	889.3	879.3	869.3	865.9	862.6	862.6	859.2	859.2
25°	929.4	929.4	922.7	912.7	906.0	899.3	896.0	899.3	892.7	902.7
27.5°	969.6	966.2	966.2	959.5	949.5	946.2	942.8	946.2	942.8	942.8
30°	1009.7	1016.4	1009.7	1006.3	999.6	999.6	996.3	996.3	999.6	996.3
32.5°	1073.2	1076.5	1076.5	1073.2	1066.5	1063.2	1063.2	1066.5	1073.2	1069.9
35°	1156.8	1160.1	1166.8	1173.5	1173.5	1166.8	1160.1	1156.8	1160.1	1160.1
37.5°	1267.1	1270.5	1277.1	1277.1	1273.8	1270.5	1273.8	1280.5	1267.1	1267.1
40°	1380.8	1377.4	1384.1	1390.8	1394.2	1390.8	1387.5	1394.2	1400.8	1410.9
42.5°	1507.8	1514.5	1517.9	1531.2	1537.9	1537.9	1534.6	1544.6	1547.9	1547.9
45°	1658.3	1675.0	1668.3	1691.7	1711.8	1715.1	1705.1	1711.8	1705.1	1711.8
47.5°	1832.1	1845.5	1858.9	1878.9	1889.0	1895.6	1892.3	1899.0	1905.7	1905.7
50°	2029.4	2039.4	2062.8	2089.6	2106.3	2106.3	2092.9	2106.3	2119.6	2116.3
52.5°	2236.7	2256.7	2280.1	2303.5	2316.9	2320.2	2320.2	2330.3	2326.9	2326.9
55°	2454.0	2470.7	2500.8	2514.2	2530.9	2537.6	2537.6	2540.9	2537.6	2537.6
57.5°	2661.3	2681.3	2704.7	2731.5	2748.2	2754.9	2748.2	2748.2	2748.2	2741.5
60°	2875.2	2888.6	2912.0	2932.1	2942.1	2955.5	2955.5	2952.1	2948.8	2945.4
62.5°	3072.5	3079.2	3085.9	3089.2	3099.2	3126.0	3126.0	3142.7	3142.7	3139.4
65°	3329.9	3299.8	3273.1	3279.8	3303.2	3326.6	3346.6	3413.5	3446.9	3460.3
67.5°	3380.1	3336.6	3296.5	3293.1	3306.5	3313.2	3323.2	3360.0	3396.8	3396.8
70°	3085.9	3059.1	3022.3	3039.1	3049.1	3039.1	3052.4	3075.8	3109.3	3079.2
72.5°	2704.7	2661.3	2688.0	2704.7	2688.0	2674.6	2681.3	2678.0	2701.4	2724.8
75°	2283.5	2193.2	2193.2	2193.2	2199.9	2169.8	2169.8	2173.1	2216.6	2156.4
77.5°	1691.7	1628.2	1611.5	1544.6	1537.9	1497.8	1524.5	1507.8	1547.9	1524.5
80°	789.0	762.3	752.2	685.4	672.0	565.0	605.1	538.3	558.3	501.5
82.5°	163.8	160.5	157.1	140.4	127.0	110.3	130.4	147.1	150.4	147.1
85°	103.6	107.0	107.0	100.3	93.6	83.6	100.3	123.7	130.4	130.4
87.5°	90.3	93.6	93.6	90.3	83.6	73.6	83.6	93.6	97.0	93.6
90°	97.0	100.3	97.0	93.6	86.9	76.9	86.9	90.3	73.6	76.9
92.5°	117.0	117.0	113.7	113.7	110.3	97.0	107.0	86.9	33.4	10.0
95°	113.7	110.3	110.3	107.0	103.6	86.9	86.9	23.4	0.0	0.0
97.5°	97.0	90.3	90.3	86.9	86.9	73.6	53.5	0.0	0.0	0.0
100°	73.6	63.5	63.5	60.2	60.2	50.1	20.1	0.0	0.0	0.0
102.5°	50.1	40.1	36.8	33.4	33.4	30.1	3.3	0.0	0.0	0.0
105°	26.7	16.7	13.4	10.0	10.0	6.7	0.0	0.0	0.0	0.0
107.5°	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691825

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)