

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: P691863

Luminaire Tested: **CRTK2-C01H-D-U-T2-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T2-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9840.1 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

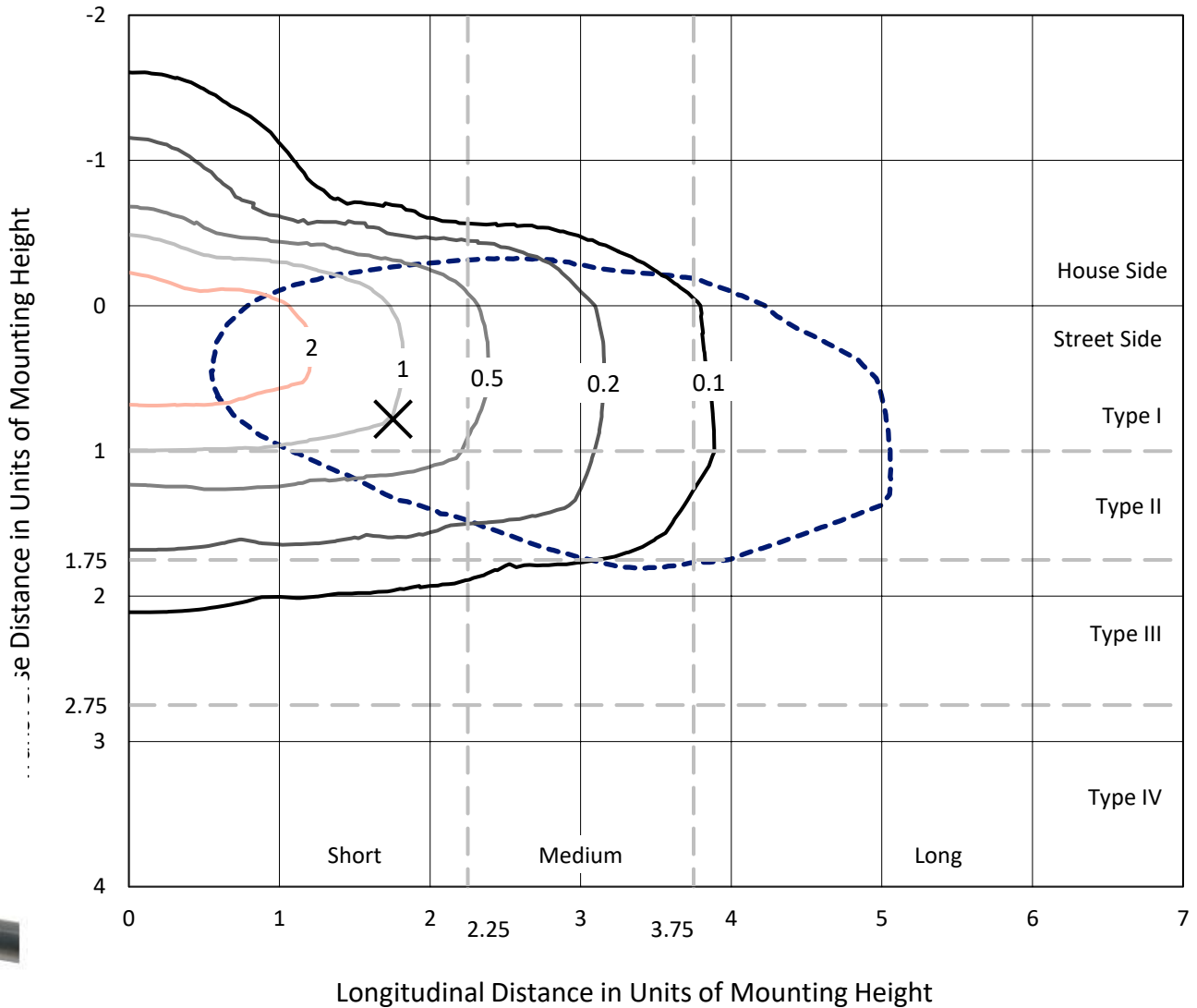
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

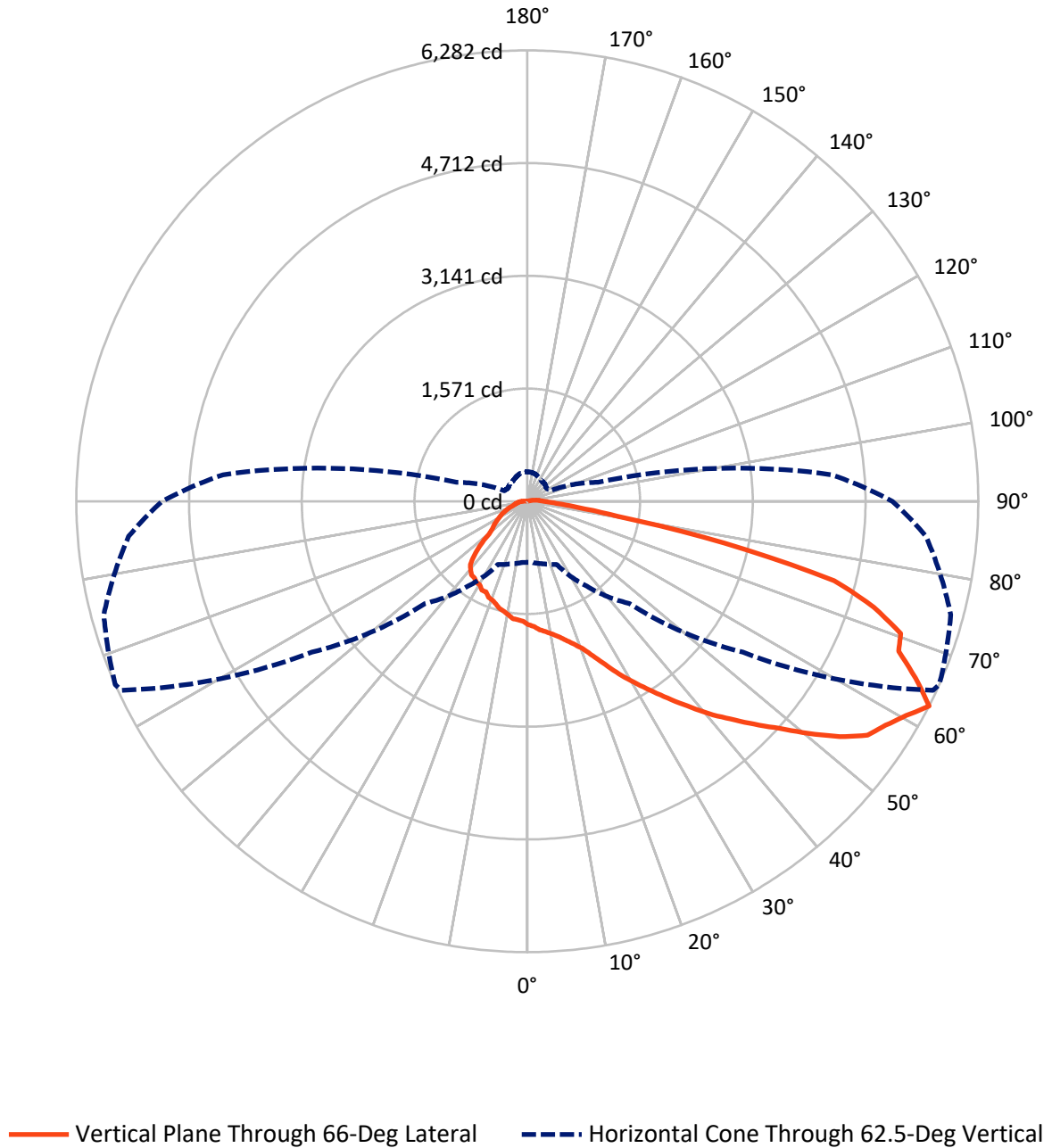
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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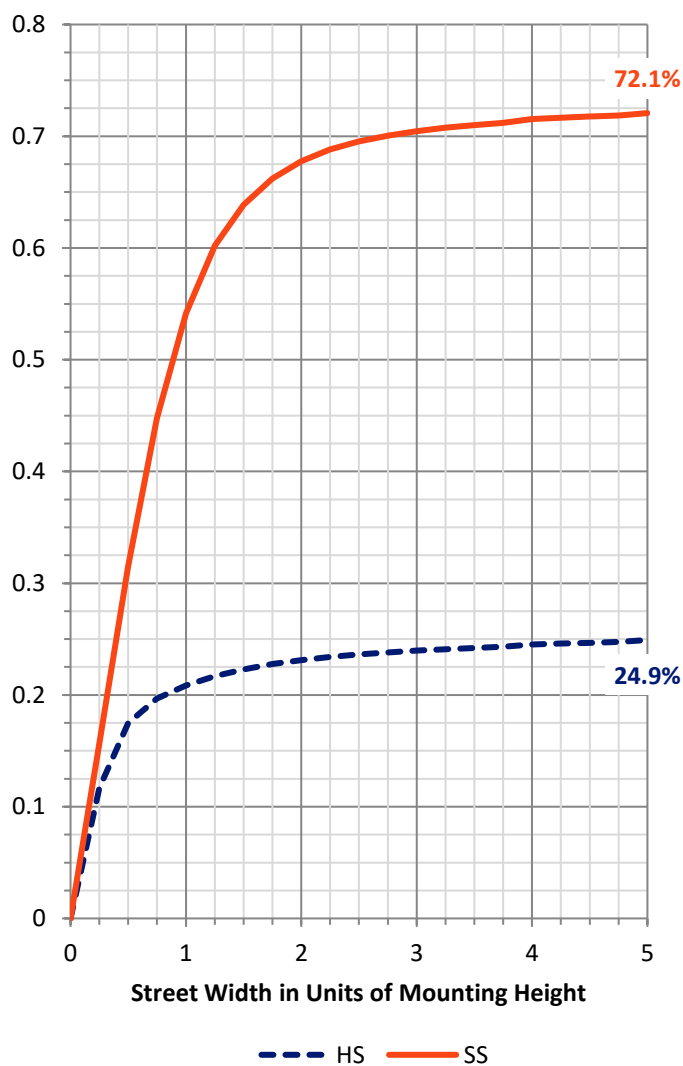
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2561.3	70.8	2632.1
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	7137.9	70.0	7208.0
	% Fixture	72.5	0.7	73.3
Total	Lumens	9699.2	140.9	9840.1
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.3	1.7
10°-20°	494.7	5.0
20°-30°	837.2	8.5
30°-40°	1224.8	12.4
40°-50°	1601.0	16.3
50°-60°	1862.9	18.9
60°-70°	1863.8	18.9
70°-80°	1286.0	13.1
80°-90°	363.5	3.7
90°-100°	119.8	1.2
100°-110°	16.4	0.2
110°-120°	1.0	0.0
120°-130°	0.9	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	9699.2	98.6
0°-180°	9840.1	100.0

Coefficient of Utilization

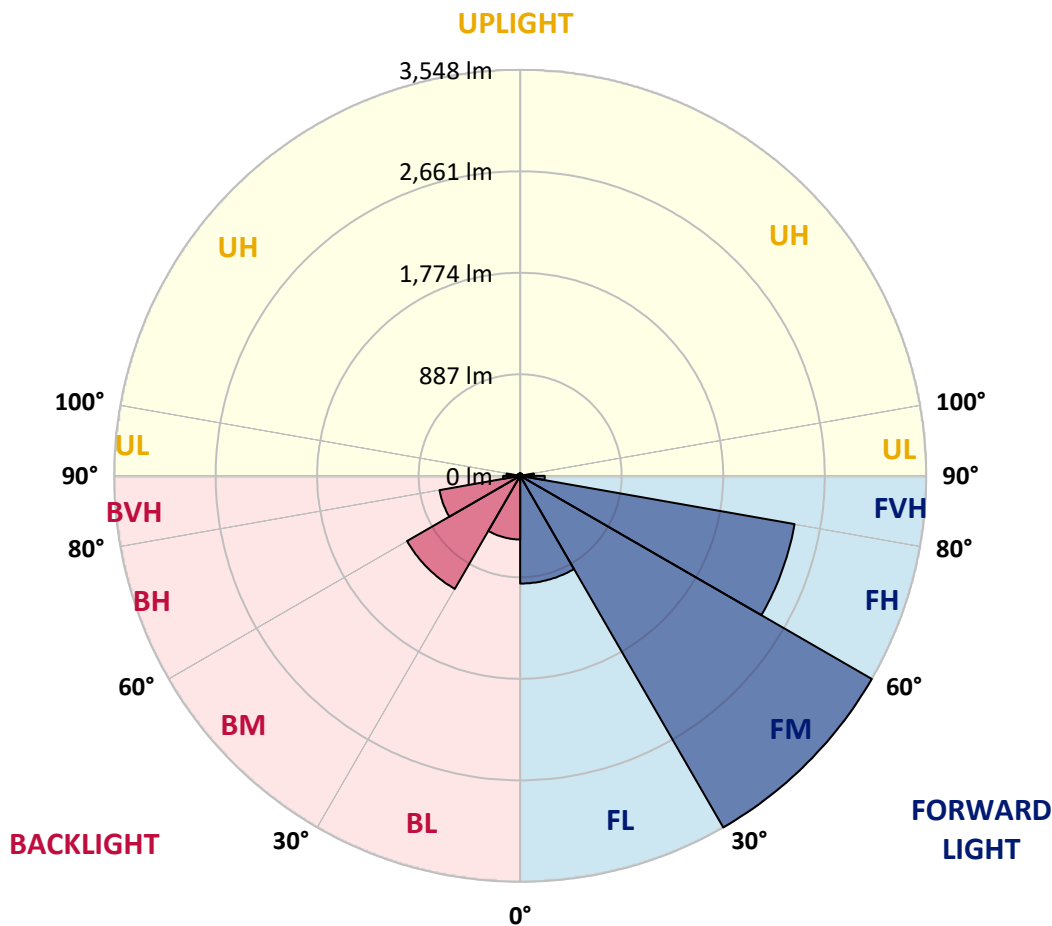


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 CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	941.3	9.6			
FM (30°-60°)	3547.6	36.1			
FH (60°-80°)	2434.4	24.7			G2/5000
FVH (80°-90°)	214.7	2.2			G2/225
BL (0°-30°)	555.9	5.6	B2/1000		
BM (30°-60°)	1141.2	11.6	B2/2500		
BH (60°-80°)	715.4	7.3	B2/1000		G2/1000
BVH (80°-90°)	148.8	1.5			G2/225
UL (90°-100°)	119.8	1.2		U3/500	
UH (100°-180°)	21.0	0.2		U2/50	

BUG Rating: B2-U3-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2
2.5°	1807.5	1804.2	1804.2	1787.9	1771.5	1768.3	1758.4	1745.4	1745.4	1735.6	1719.2
5°	1915.3	1912.1	1915.3	1892.5	1869.6	1850.0	1817.3	1800.9	1797.7	1774.8	1742.1
7.5°	1990.5	1987.2	1984.0	1964.4	1954.6	1934.9	1889.2	1840.2	1833.6	1810.7	1768.3
10°	2019.9	2023.2	2039.5	2006.9	1987.2	1970.9	1944.7	1885.9	1879.4	1827.1	1761.7
12.5°	2098.4	2101.6	2091.8	2052.6	2046.1	2033.0	1990.5	1941.5	1934.9	1869.6	1778.1
15°	2180.1	2180.1	2167.0	2144.1	2127.8	2114.7	2062.4	2010.1	2006.9	1928.4	1820.5
17.5°	2216.0	2222.6	2225.8	2196.4	2189.9	2186.6	2160.5	2095.1	2088.6	2013.4	1879.4
20°	2238.9	2242.2	2245.5	2242.2	2245.5	2242.2	2255.3	2203.0	2186.6	2108.2	1944.7
22.5°	2284.7	2291.2	2314.1	2314.1	2323.9	2346.8	2337.0	2343.5	2337.0	2242.2	2055.9
25°	2307.6	2317.4	2346.8	2382.7	2425.2	2451.4	2487.3	2513.5	2516.7	2431.8	2225.8
27.5°	2271.6	2294.5	2369.7	2425.2	2523.3	2591.9	2676.9	2719.4	2725.9	2644.2	2408.9
30°	2317.4	2317.4	2363.1	2441.6	2562.5	2722.6	2853.4	2918.8	2925.3	2863.2	2591.9
32.5°	2232.4	2252.0	2356.6	2506.9	2680.2	2863.2	2990.7	3118.1	3134.5	3114.9	2853.4
35°	2222.6	2232.4	2297.7	2454.6	2686.7	2993.9	3170.4	3337.1	3369.8	3376.3	3105.1
37.5°	2131.1	2144.1	2265.1	2461.2	2778.2	3085.5	3311.0	3585.5	3614.9	3660.7	3324.1
40°	2016.7	2036.3	2134.3	2353.3	2752.1	3193.3	3461.3	3847.0	3889.5	3945.1	3611.7
42.5°	1866.3	1902.3	2069.0	2304.3	2739.0	3229.3	3605.1	4108.5	4147.7	4206.5	3853.5
45°	1738.8	1748.6	1882.6	2127.8	2634.4	3278.3	3739.1	4402.7	4428.8	4458.2	4049.7
47.5°	1624.4	1644.0	1758.4	1987.2	2523.3	3268.5	3856.8	4680.5	4726.2	4814.5	4288.3
50°	1284.5	1330.3	1653.9	1866.3	2353.3	3239.1	3954.9	5007.3	5082.5	5115.2	4559.5
52.5°	1111.3	1124.4	1287.8	1748.6	2163.7	3141.0	4039.9	5363.6	5448.6	5373.4	4886.4
55°	1026.3	1039.4	1114.6	1510.0	2016.7	2941.6	4105.2	5700.2	5752.5	5576.0	5128.3
57.5°	980.5	990.4	1029.6	1222.4	1836.9	2624.6	4111.8	5866.9	5886.5	5736.2	5252.5
60°	902.1	911.9	980.5	1065.5	1637.5	2287.9	3997.4	5961.7	6063.0	5932.3	5491.1
62.5°	849.8	856.3	902.1	970.7	1444.7	2013.4	3664.0	6233.0	6282.0	6105.5	5572.8
65°	784.4	791.0	833.5	895.6	1320.5	1859.8	3520.2	6121.9	5942.1	6063.0	5680.6
67.5°	709.3	719.1	758.3	810.6	1114.6	1709.4	3105.1	5706.8	5579.3	5847.3	5399.5
70°	640.6	647.2	689.7	719.1	915.2	1513.3	2578.8	5383.2	5517.2	5513.9	5144.6
72.5°	565.4	572.0	607.9	634.1	764.8	1281.2	2046.1	5010.6	5049.8	4909.3	4553.0
75°	487.0	490.3	523.0	549.1	627.5	1026.3	1493.7	4144.4	4415.7	4693.5	3938.5
77.5°	392.2	402.0	428.2	441.2	503.3	820.4	974.0	2454.6	2804.4	4128.1	3520.2
80°	294.2	294.2	313.8	320.3	372.6	611.2	614.5	1183.2	1271.4	2624.6	2614.8
82.5°	186.3	196.1	215.7	212.5	251.7	349.7	388.9	657.0	706.0	1039.4	1160.3
85°	150.4	153.6	166.7	156.9	166.7	189.6	219.0	415.1	431.4	634.1	630.8
87.5°	124.2	127.5	137.3	130.7	134.0	143.8	170.0	277.8	284.4	408.6	421.6
90°	94.8	98.1	111.1	107.9	104.6	117.7	140.5	212.5	222.3	323.6	346.5
92.5°	62.1	62.1	71.9	71.9	71.9	85.0	124.2	163.4	170.0	294.2	310.5
95°	45.8	45.8	49.0	52.3	49.0	62.1	91.5	147.1	160.2	274.6	268.0
97.5°	29.4	29.4	32.7	36.0	32.7	39.2	52.3	104.6	117.7	212.5	209.2
100°	19.6	19.6	19.6	19.6	19.6	19.6	29.4	68.6	78.4	134.0	130.7
102.5°	13.1	13.1	13.1	13.1	9.8	9.8	13.1	32.7	36.0	71.9	68.6
105°	3.3	3.3	6.5	6.5	6.5	3.3	3.3	13.1	16.3	29.4	29.4
107.5°	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	3.3	3.3
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: P691863
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
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	3.3
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	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3	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	3.3	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: P691863

CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2	1719.2
2.5°	1712.7	1702.9	1686.5	1670.2	1660.4	1650.6	1634.2	1621.2	1621.2	1637.5	1637.5
5°	1719.2	1699.6	1666.9	1653.9	1637.5	1614.6	1588.5	1568.9	1559.1	1572.1	1575.4
7.5°	1735.6	1706.2	1673.5	1644.0	1588.5	1546.0	1523.1	1497.0	1493.7	1506.8	1513.3
10°	1722.5	1693.1	1653.9	1598.3	1539.5	1506.8	1464.3	1431.6	1431.6	1421.8	1428.3
12.5°	1735.6	1696.3	1617.9	1559.1	1506.8	1434.9	1382.6	1349.9	1346.6	1356.4	1356.4
15°	1768.3	1709.4	1608.1	1536.2	1451.2	1379.3	1327.0	1291.1	1300.9	1281.2	1284.5
17.5°	1807.5	1719.2	1608.1	1483.9	1389.1	1320.5	1248.6	1206.1	1209.3	1212.6	1215.9
20°	1856.5	1745.4	1591.8	1444.7	1330.3	1232.2	1150.5	1117.8	1108.0	1114.6	1117.8
22.5°	1931.7	1804.2	1585.2	1425.1	1248.6	1153.8	1081.9	1016.5	1010.0	1010.0	1010.0
25°	2055.9	1892.5	1614.6	1359.7	1206.1	1062.3	980.5	918.4	889.0	892.3	895.6
27.5°	2245.5	2033.0	1644.0	1363.0	1108.0	980.5	879.2	810.6	794.2	797.5	800.8
30°	2444.8	2222.6	1719.2	1297.6	1052.5	856.3	751.8	702.7	683.1	673.3	676.6
32.5°	2598.4	2389.3	1823.8	1278.0	951.1	722.3	657.0	617.7	591.6	581.8	581.8
35°	2843.6	2552.7	1908.8	1229.0	846.5	637.4	585.1	542.6	529.5	523.0	523.0
37.5°	3052.8	2732.5	1997.0	1209.3	719.1	572.0	506.6	480.5	480.5	473.9	470.7
40°	3278.3	2922.0	2046.1	1150.5	621.0	503.3	438.0	434.7	444.5	444.5	444.5
42.5°	3549.6	3118.1	2098.4	1081.9	545.8	424.9	388.9	415.1	438.0	444.5	444.5
45°	3752.2	3242.3	2121.2	934.8	470.7	369.3	382.4	408.6	438.0	447.8	444.5
47.5°	3925.5	3422.1	2088.6	755.0	405.3	359.5	375.9	398.8	434.7	447.8	447.8
50°	4098.7	3575.7	2065.7	545.8	379.1	359.5	375.9	385.7	424.9	441.2	441.2
52.5°	4353.6	3696.7	1974.2	457.6	359.5	362.8	382.4	382.4	418.4	438.0	447.8
55°	4680.5	3974.5	1800.9	428.2	353.0	359.5	385.7	385.7	411.8	431.4	438.0
57.5°	4814.5	4072.5	1503.5	402.0	346.5	359.5	375.9	382.4	415.1	428.2	424.9
60°	4991.0	4232.7	1232.2	375.9	333.4	353.0	362.8	385.7	411.8	415.1	411.8
62.5°	5085.8	4252.3	1019.8	349.7	323.6	343.2	346.5	372.6	398.8	408.6	411.8
65°	5138.1	4232.7	755.0	323.6	313.8	330.1	333.4	356.3	382.4	388.9	392.2
67.5°	4948.5	4098.7	523.0	297.4	304.0	313.8	320.3	343.2	362.8	382.4	388.9
70°	4608.6	3709.7	372.6	264.7	287.6	297.4	310.5	333.4	353.0	379.1	385.7
72.5°	4232.7	2987.4	274.6	225.5	264.7	277.8	300.7	317.0	346.5	379.1	388.9
75°	3879.7	2621.3	219.0	192.8	225.5	254.9	284.4	307.2	349.7	464.1	480.5
77.5°	2752.1	1771.5	196.1	170.0	192.8	222.3	261.5	300.7	487.0	552.4	555.6
80°	1997.0	1042.6	176.5	150.4	166.7	179.8	238.6	369.3	539.3	509.9	509.9
82.5°	1000.2	558.9	166.7	134.0	143.8	147.1	212.5	470.7	434.7	454.3	457.6
85°	483.7	271.3	137.3	117.7	124.2	120.9	199.4	447.8	411.8	415.1	408.6
87.5°	304.0	166.7	107.9	98.1	101.3	98.1	189.6	428.2	431.4	353.0	359.5
90°	274.6	196.1	85.0	78.4	68.6	81.7	170.0	398.8	421.6	254.9	212.5
92.5°	264.7	212.5	62.1	55.6	49.0	65.4	127.5	323.6	258.2	107.9	65.4
95°	235.3	186.3	52.3	39.2	45.8	55.6	81.7	215.7	173.2	0.0	0.0
97.5°	176.5	137.3	42.5	26.1	147.1	49.0	45.8	140.5	49.0	0.0	0.0
100°	111.1	85.0	32.7	19.6	166.7	32.7	29.4	81.7	0.0	0.0	0.0
102.5°	62.1	45.8	16.3	13.1	71.9	16.3	19.6	19.6	0.0	0.0	0.0
105°	26.1	22.9	6.5	6.5	6.5	3.3	9.8	0.0	0.0	0.0	0.0
107.5°	6.5	9.8	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691863
 CATALOG NUMBER: CRTK2-C01H-D-U-T2-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
120°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	6.5	3.3	3.3	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
135°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
140°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
155°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
160°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
170°	0.0	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.3	3.3	3.3	3.3	3.3	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)