

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: P690968

Luminaire Tested: **CRTK2-C01-D-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690968  
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-C01-D-U-T3-7050-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8151.9 lumens  
Efficiency: N/A  
Efficacy: 133.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G2

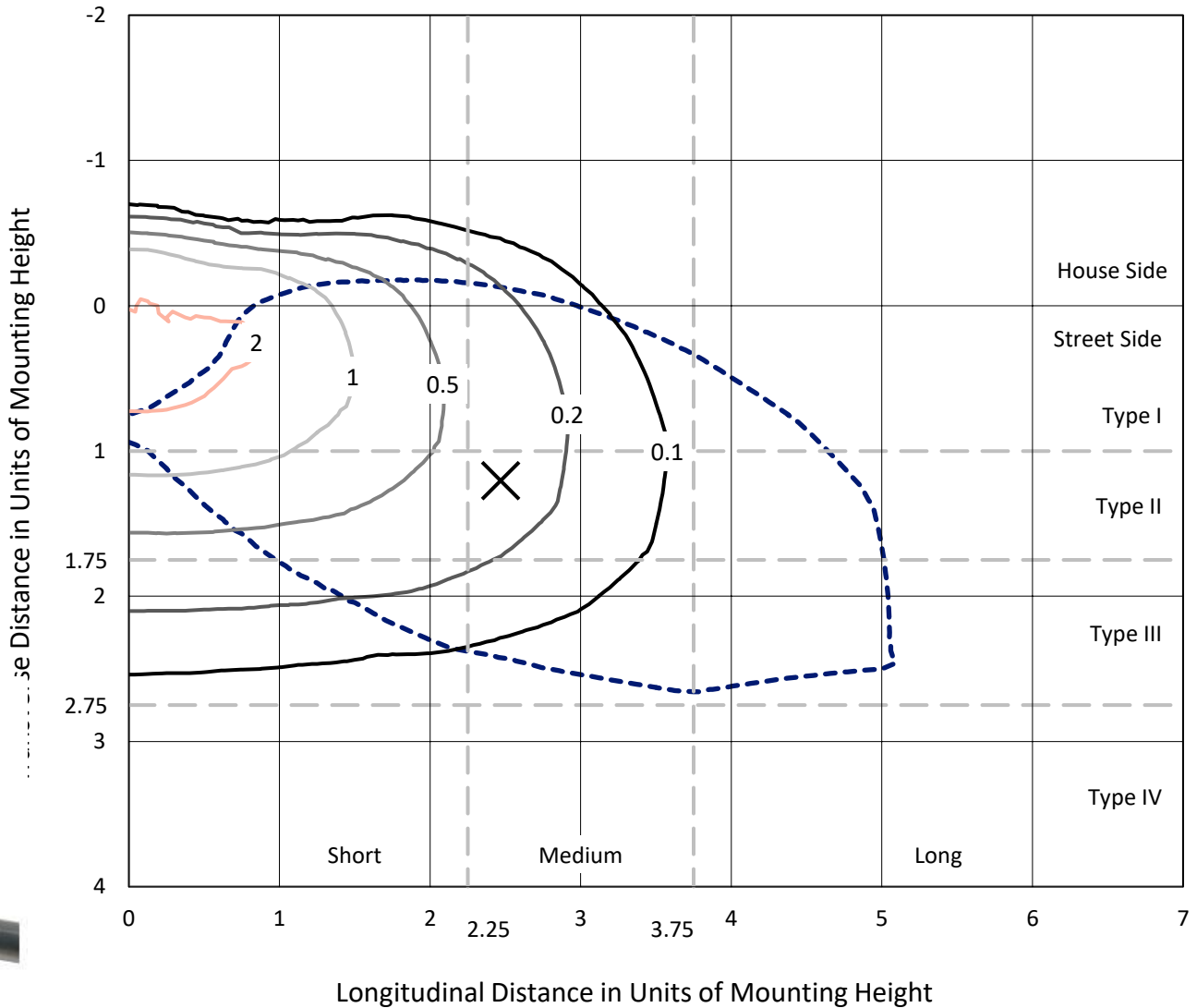
Input Watts (W): 61  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

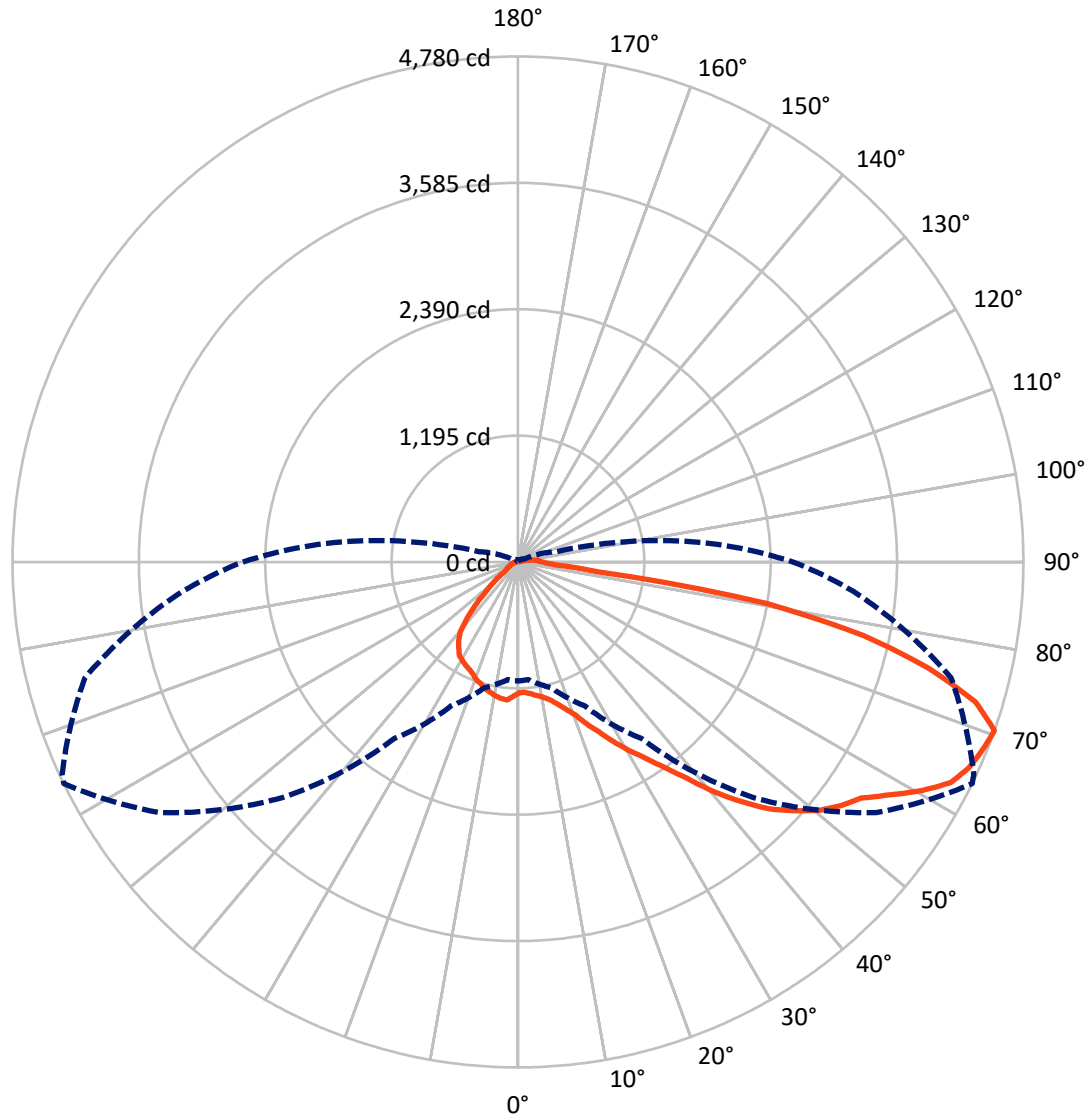
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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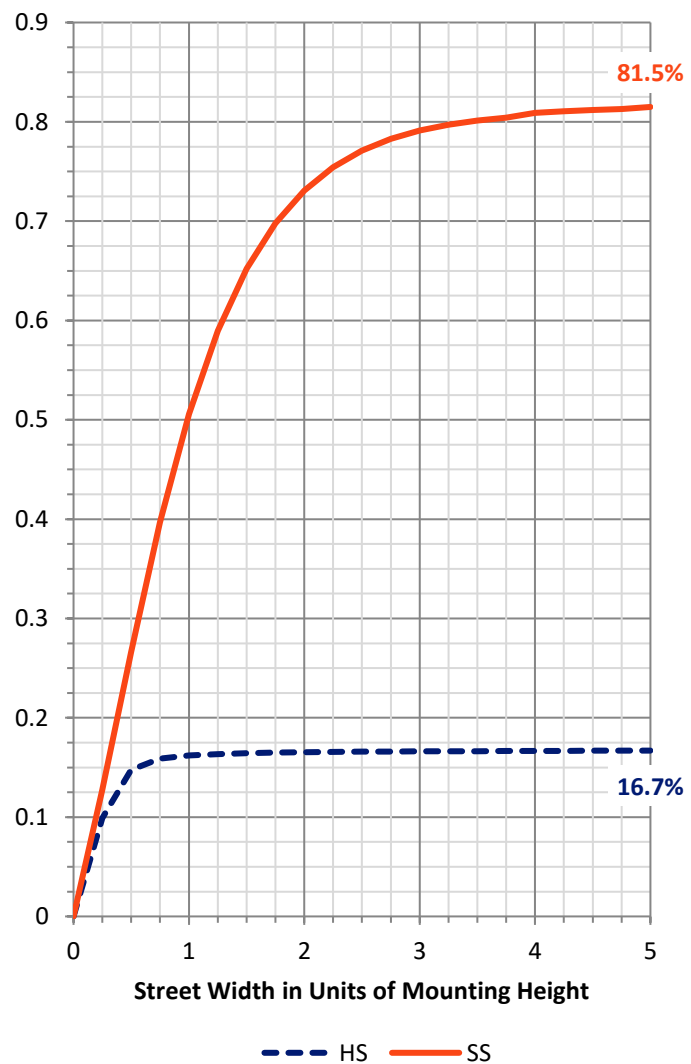
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1382.5	16.8	1399.3
	% Fixture	17.0	0.2	17.2
<b>Street Side</b>	Lumens	6683.9	68.7	6752.6
	% Fixture	82.0	0.8	82.8
<b>Total</b>	Lumens	8066.4	85.5	8151.9
	% Fixture	99.0	1.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.6	1.5
10°-20°	375.7	4.6
20°-30°	649.5	8.0
30°-40°	963.8	11.8
40°-50°	1323.9	16.2
50°-60°	1607.7	19.7
60°-70°	1708.0	21.0
70°-80°	1128.4	13.8
80°-90°	186.8	2.3
90°-100°	69.6	0.9
100°-110°	11.7	0.1
110°-120°	0.9	0.0
120°-130°	0.9	0.0
130°-140°	0.9	0.0
140°-150°	0.7	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	8066.4	99.0
0°-180°	8151.9	100.0

**Coefficient of Utilization**



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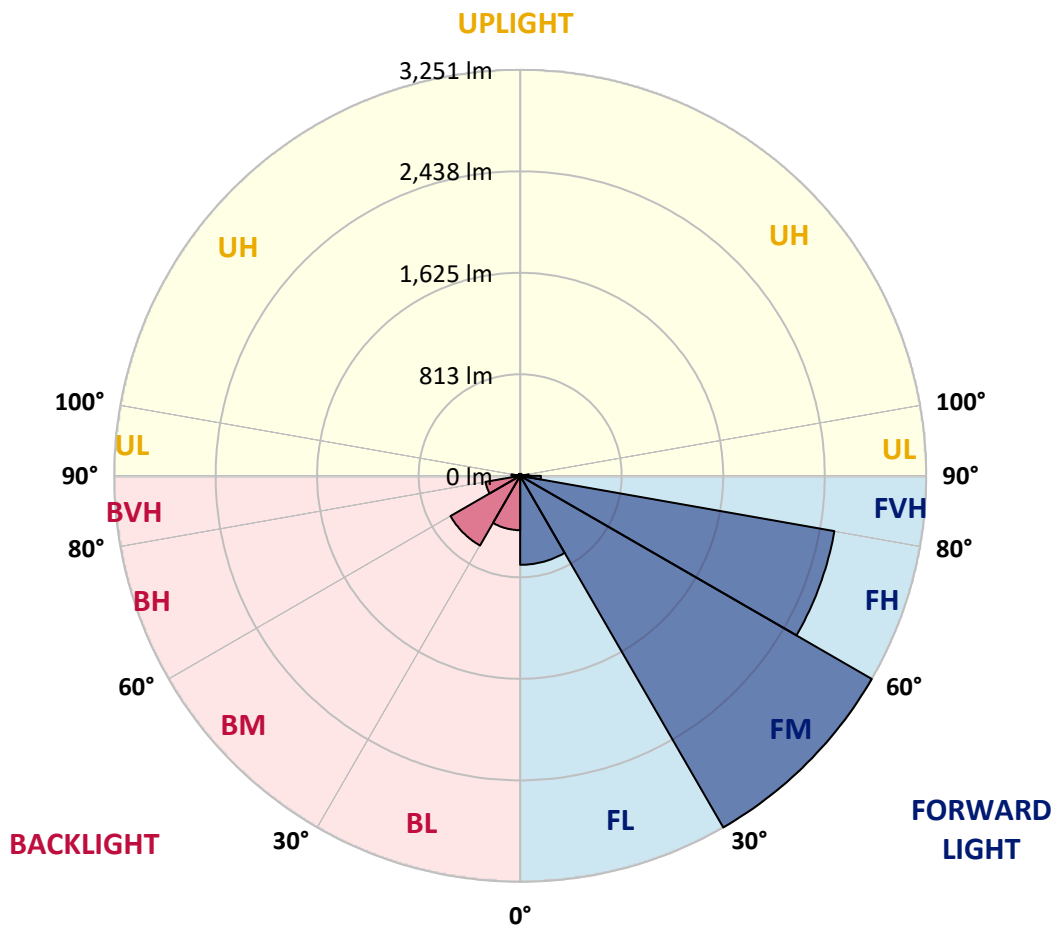
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	712.6	8.7			
FM (30°-60°)	3250.9	39.9			
FH (60°-80°)	2554.6	31.3			G2/5000
FVH (80°-90°)	165.9	2.0			G2/225
BL (0°-30°)	435.2	5.3	B1/500		
BM (30°-60°)	644.5	7.9	B1/1000		
BH (60°-80°)	281.9	3.5	B1/500		G1/500
BVH (80°-90°)	21.0	0.3			G1/100
UL (90°-100°)	69.6	0.9		U3/500	
UH (100°-180°)	15.9	0.2		U2/50	

**BUG Rating: B1-U3-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6
2.5°	1245.4	1242.4	1245.4	1242.4	1239.5	1236.6	1233.7	1233.7	1230.8	1233.7	1236.6
5°	1300.8	1303.7	1297.9	1286.2	1271.6	1259.9	1254.1	1251.2	1251.2	1254.1	1265.8
7.5°	1341.6	1338.7	1335.8	1332.9	1321.2	1294.9	1280.4	1274.5	1274.5	1268.7	1289.1
10°	1414.5	1408.7	1394.1	1376.6	1364.9	1335.8	1309.5	1300.8	1297.9	1300.8	1318.3
12.5°	1493.3	1487.4	1484.5	1467.0	1426.2	1399.9	1356.2	1335.8	1335.8	1335.8	1344.5
15°	1607.0	1598.3	1569.1	1548.7	1513.7	1469.9	1420.4	1391.2	1391.2	1397.0	1373.7
17.5°	1688.7	1682.8	1679.9	1644.9	1615.8	1548.7	1510.8	1461.2	1461.2	1472.9	1423.3
20°	1773.3	1767.4	1770.3	1764.5	1720.8	1668.3	1601.2	1542.9	1542.9	1545.8	1475.8
22.5°	1887.0	1878.3	1878.3	1875.3	1852.0	1790.8	1712.0	1662.4	1653.7	1630.4	1542.9
25°	2000.8	1997.8	1992.0	1994.9	1989.1	1919.1	1834.5	1779.1	1779.1	1747.0	1633.3
27.5°	2114.5	2114.5	2111.6	2114.5	2111.6	2067.8	1983.3	1924.9	1927.8	1887.0	1732.4
30°	2196.2	2193.2	2213.7	2222.4	2228.2	2210.7	2129.1	2064.9	2070.7	2029.9	1849.1
32.5°	2272.0	2269.1	2304.1	2324.5	2330.3	2327.4	2260.3	2207.8	2222.4	2184.5	1989.1
35°	2342.0	2339.1	2385.7	2438.2	2461.6	2455.7	2412.0	2382.8	2397.4	2394.5	2178.7
37.5°	2394.5	2403.2	2464.5	2537.4	2578.2	2581.1	2560.7	2592.8	2610.3	2668.6	2414.9
40°	2455.7	2455.7	2514.1	2592.8	2665.7	2694.9	2712.4	2858.2	2875.7	2887.4	2572.4
42.5°	2391.6	2409.1	2534.5	2651.1	2744.5	2811.6	2907.8	3097.4	3135.3	3047.8	2764.9
45°	2342.0	2356.6	2484.9	2680.3	2814.5	2939.9	3120.7	3330.7	3359.9	3208.2	2867.0
47.5°	2289.5	2312.8	2444.1	2659.9	2881.5	3097.4	3298.6	3514.4	3540.7	3345.3	3009.9
50°	2228.2	2254.5	2394.5	2630.7	2916.5	3246.1	3459.0	3692.3	3695.3	3464.9	3088.6
52.5°	2169.9	2187.4	2333.2	2592.8	2945.7	3359.9	3610.7	3826.5	3809.0	3616.5	3173.2
55°	2070.7	2105.7	2260.3	2540.3	2960.3	3424.0	3715.7	3940.3	3951.9	3779.8	3286.9
57.5°	1980.3	2003.7	2167.0	2464.5	2948.6	3461.9	3817.8	4153.2	4176.5	3925.7	3368.6
60°	1866.6	1881.2	2038.7	2359.5	2872.8	3526.1	4045.3	4389.4	4415.7	4065.7	3400.7
62.5°	1723.7	1723.7	1881.2	2219.5	2776.6	3572.8	4202.7	4593.6	4593.6	4176.5	3412.4
65°	1539.9	1548.7	1688.7	2029.9	2616.1	3546.5	4249.4	4689.8	4698.6	4255.2	3406.5
67.5°	1362.0	1359.1	1481.6	1782.0	2374.1	3409.4	4214.4	4739.4	4774.4	4301.9	3330.7
70°	1125.8	1117.0	1230.8	1502.0	2035.8	3149.9	4132.7	4780.2	4756.9	4240.7	3182.0
72.5°	866.2	857.5	942.0	1149.1	1604.1	2703.6	3893.6	4523.6	4482.7	3908.2	2875.7
75°	615.4	603.7	670.8	807.9	1055.8	1977.4	3339.4	4013.2	3966.5	3514.4	2400.3
77.5°	350.0	338.3	399.6	510.4	638.7	1120.0	2528.6	3345.3	3409.4	2899.0	1834.5
80°	154.6	148.7	175.0	245.0	358.7	533.7	1376.6	2391.6	2304.1	1977.4	1044.1
82.5°	131.2	131.2	134.2	140.0	145.8	245.0	516.2	752.5	720.4	580.4	332.5
85°	113.7	110.8	116.7	122.5	125.4	160.4	300.4	361.7	355.8	320.8	230.4
87.5°	93.3	87.5	96.2	102.1	102.1	131.2	224.6	265.4	265.4	268.3	204.2
90°	81.7	81.7	75.8	75.8	78.7	93.3	172.1	218.7	224.6	277.1	236.2
92.5°	70.0	70.0	70.0	70.0	58.3	67.1	122.5	195.4	210.0	271.2	212.9
95°	67.1	64.2	67.1	61.2	58.3	61.2	93.3	172.1	189.6	239.2	186.7
97.5°	46.7	43.7	49.6	49.6	52.5	55.4	78.7	128.3	134.2	177.9	140.0
100°	32.1	29.2	29.2	29.2	37.9	37.9	64.2	78.7	81.7	113.7	93.3
102.5°	17.5	14.6	14.6	14.6	20.4	23.3	32.1	43.7	43.7	61.2	52.5
105°	5.8	5.8	8.7	8.7	8.7	11.7	11.7	14.6	14.6	17.5	23.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9



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 CATALOG NUMBER: CRTK2-C01-D-U-T3-7050-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	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6	1236.6
2.5°	1239.5	1245.4	1259.9	1268.7	1280.4	1292.0	1300.8	1300.8	1309.5	1303.7	1300.8
5°	1277.4	1280.4	1297.9	1309.5	1306.6	1294.9	1286.2	1280.4	1283.3	1289.1	1289.1
7.5°	1303.7	1315.4	1300.8	1300.8	1297.9	1283.3	1265.8	1248.3	1239.5	1236.6	1236.6
10°	1318.3	1306.6	1300.8	1286.2	1254.1	1245.4	1230.8	1198.7	1190.0	1190.0	1178.3
12.5°	1327.0	1321.2	1289.1	1262.9	1233.7	1187.0	1155.0	1149.1	1122.9	1120.0	1122.9
15°	1362.0	1332.9	1292.0	1242.4	1187.0	1146.2	1102.5	1055.8	1035.4	1038.3	1041.2
17.5°	1385.4	1359.1	1286.2	1207.5	1157.9	1082.0	1032.5	1006.2	974.1	974.1	974.1
20°	1423.3	1379.5	1277.4	1192.9	1076.2	1020.8	962.5	933.3	901.2	845.8	840.0
22.5°	1472.9	1417.4	1274.5	1149.1	1044.1	953.7	869.1	778.7	732.1	700.0	691.2
25°	1534.1	1469.9	1294.9	1128.7	982.9	872.0	764.1	641.6	554.1	536.6	536.6
27.5°	1639.1	1537.0	1321.2	1108.3	947.9	781.6	612.5	504.6	428.7	405.4	402.5
30°	1741.2	1621.6	1329.9	1087.9	880.8	659.1	472.5	358.7	291.7	262.5	256.7
32.5°	1901.6	1738.3	1405.8	1070.4	805.0	530.8	335.4	227.5	172.1	154.6	151.7
35°	2064.9	1895.8	1432.0	1023.7	667.9	387.9	192.5	122.5	93.3	78.7	75.8
37.5°	2274.9	2094.1	1510.8	974.1	530.8	221.7	107.9	67.1	58.3	58.3	58.3
40°	2397.4	2181.6	1580.8	910.0	364.6	113.7	64.2	52.5	52.5	49.6	49.6
42.5°	2554.9	2289.5	1642.0	784.6	192.5	70.0	55.4	49.6	43.7	43.7	43.7
45°	2645.3	2359.5	1621.6	630.0	90.4	64.2	52.5	43.7	40.8	40.8	40.8
47.5°	2756.1	2447.0	1577.9	466.6	78.7	58.3	49.6	40.8	37.9	40.8	40.8
50°	2867.0	2534.5	1467.0	358.7	72.9	55.4	43.7	35.0	35.0	37.9	37.9
52.5°	2922.4	2595.7	1335.8	247.9	72.9	52.5	40.8	35.0	32.1	32.1	32.1
55°	2986.5	2610.3	1225.0	163.3	70.0	49.6	37.9	29.2	29.2	26.2	26.2
57.5°	3021.5	2572.4	1143.3	137.1	67.1	46.7	35.0	26.2	23.3	20.4	20.4
60°	3007.0	2517.0	1073.3	119.6	61.2	43.7	32.1	23.3	17.5	14.6	14.6
62.5°	2977.8	2470.3	945.0	105.0	58.3	37.9	26.2	20.4	14.6	11.7	11.7
65°	2945.7	2344.9	796.2	90.4	52.5	35.0	23.3	17.5	11.7	8.7	8.7
67.5°	2797.0	2178.7	583.3	81.7	49.6	32.1	20.4	14.6	11.7	8.7	8.7
70°	2601.6	1901.6	376.2	70.0	43.7	29.2	20.4	11.7	8.7	5.8	5.8
72.5°	2213.7	1551.6	189.6	61.2	40.8	29.2	17.5	11.7	8.7	5.8	2.9
75°	1808.3	1157.9	122.5	52.5	37.9	29.2	17.5	11.7	5.8	2.9	2.9
77.5°	1294.9	627.1	93.3	46.7	32.1	29.2	14.6	8.7	5.8	5.8	2.9
80°	539.6	227.5	75.8	37.9	29.2	26.2	14.6	8.7	5.8	5.8	2.9
82.5°	227.5	157.5	67.1	32.1	26.2	26.2	11.7	8.7	5.8	5.8	5.8
85°	177.9	131.2	58.3	29.2	23.3	29.2	11.7	8.7	8.7	8.7	8.7
87.5°	166.2	134.2	52.5	26.2	23.3	20.4	11.7	8.7	14.6	14.6	17.5
90°	186.7	140.0	40.8	23.3	20.4	17.5	8.7	5.8	5.8	0.0	0.0
92.5°	172.1	128.3	29.2	17.5	26.2	11.7	5.8	0.0	0.0	0.0	0.0
95°	148.7	107.9	17.5	11.7	29.2	14.6	2.9	0.0	0.0	0.0	0.0
97.5°	110.8	78.7	11.7	5.8	23.3	17.5	2.9	0.0	0.0	0.0	0.0
100°	78.7	49.6	8.7	5.8	14.6	17.5	2.9	0.0	0.0	0.0	0.0
102.5°	43.7	26.2	5.8	2.9	5.8	5.8	0.0	0.0	0.0	0.0	0.0
105°	20.4	8.7	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690968  
 CATALOG NUMBER: CRTK2-C01-D-U-T3-7050-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
135°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	2.9	2.9	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)