

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: P691896

Luminaire Tested: **CRTK2-C01H-D-U-T3-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691896
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-T3-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7928.9 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

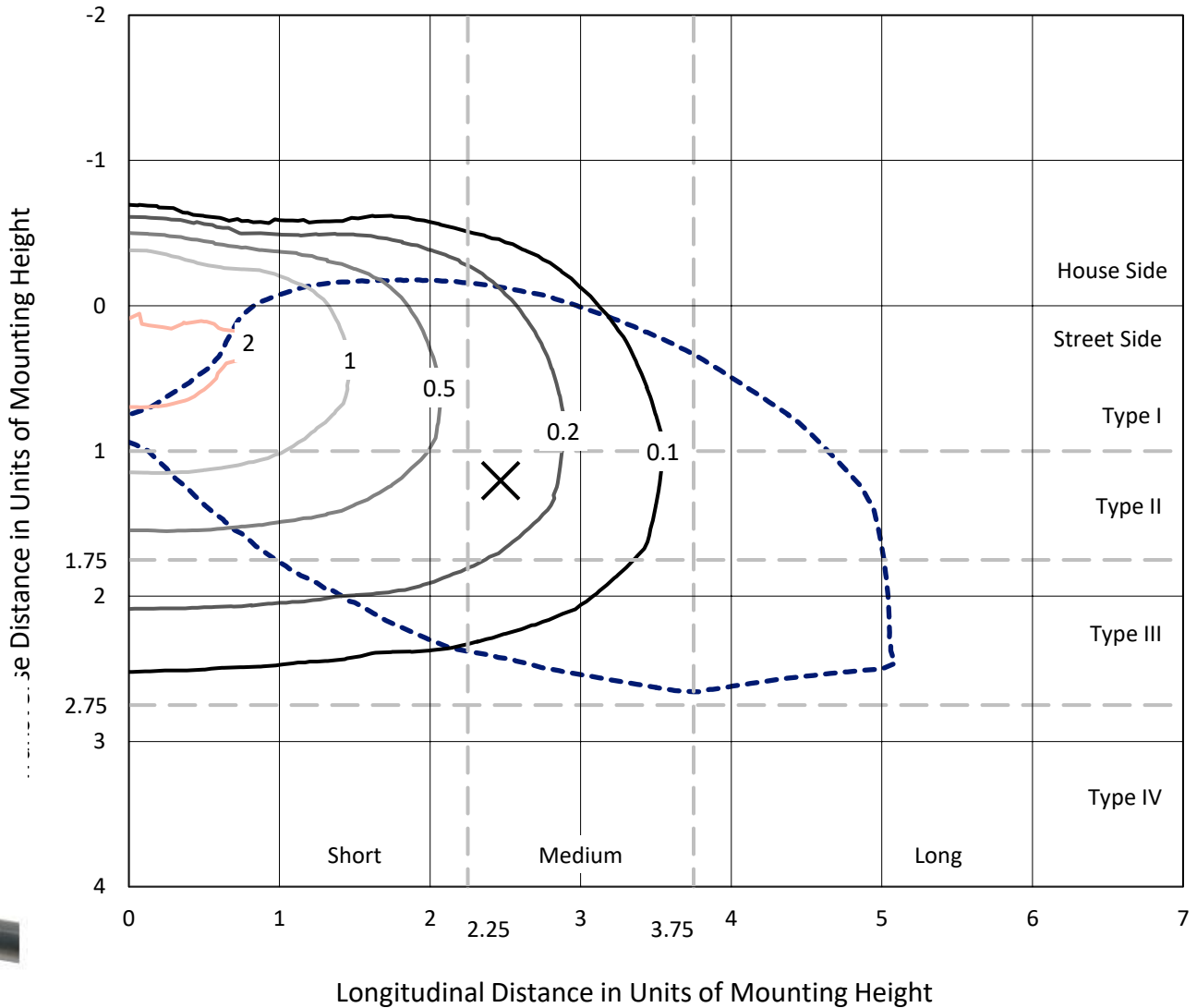
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

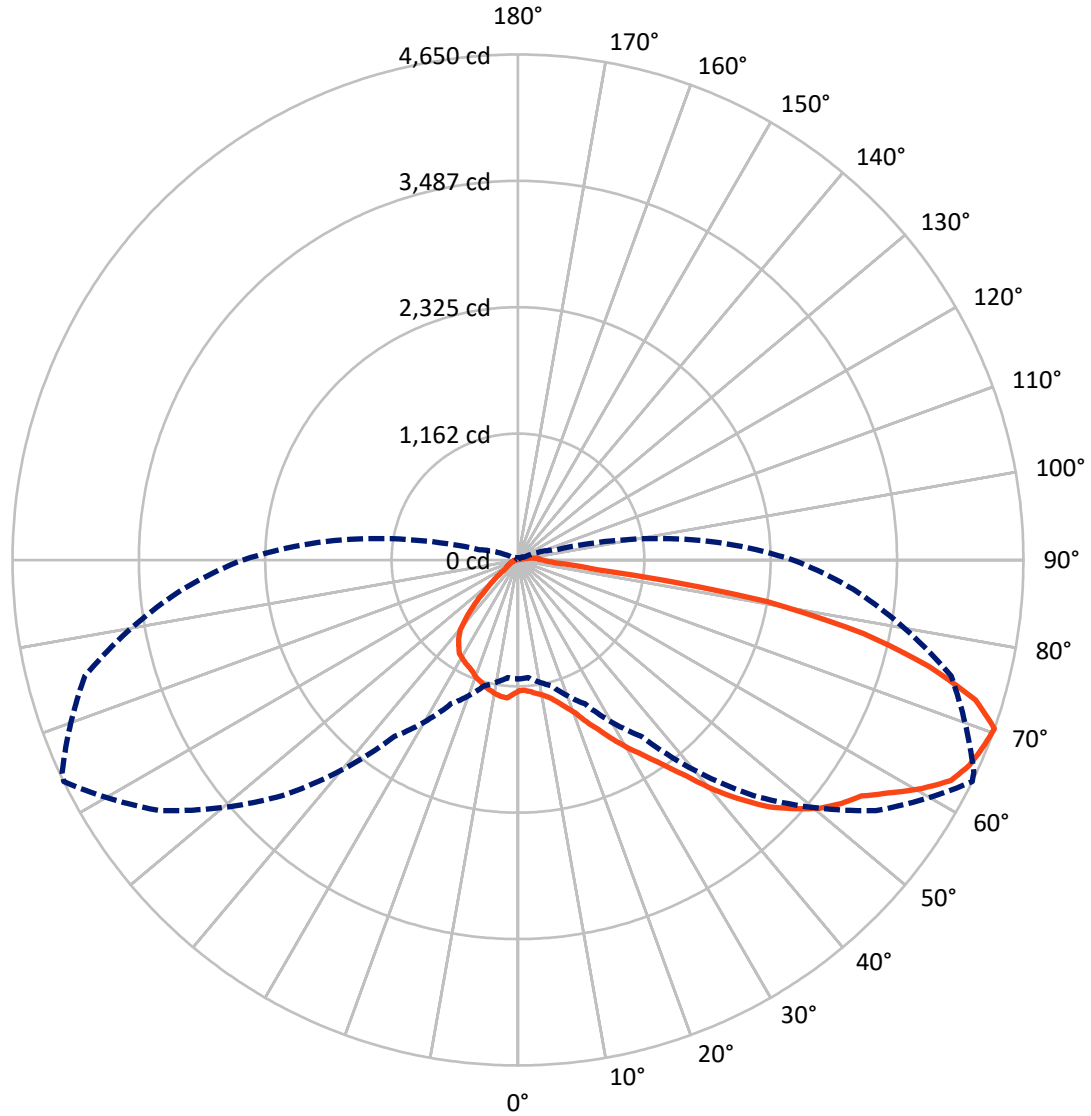
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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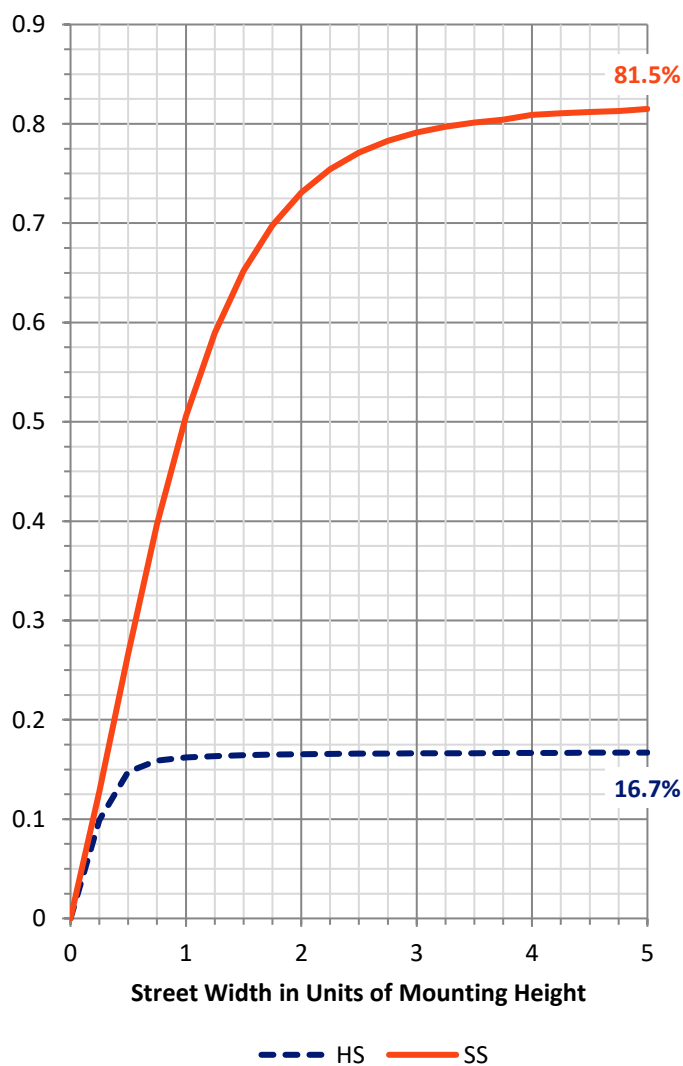
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1344.7	16.3	1361.0
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	6501.1	66.8	6567.9
	% Fixture	82.0	0.8	82.8
Total	Lumens	7845.8	83.2	7928.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	1.5
10°-20°	365.4	4.6
20°-30°	631.7	8.0
30°-40°	937.4	11.8
40°-50°	1287.7	16.2
50°-60°	1563.7	19.7
60°-70°	1661.3	21.0
70°-80°	1097.6	13.8
80°-90°	181.7	2.3
90°-100°	67.7	0.9
100°-110°	11.4	0.1
110°-120°	0.8	0.0
120°-130°	0.9	0.0
130°-140°	0.8	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°	7845.8	99.0
0°-180°	7928.9	100.0

Coefficient of Utilization



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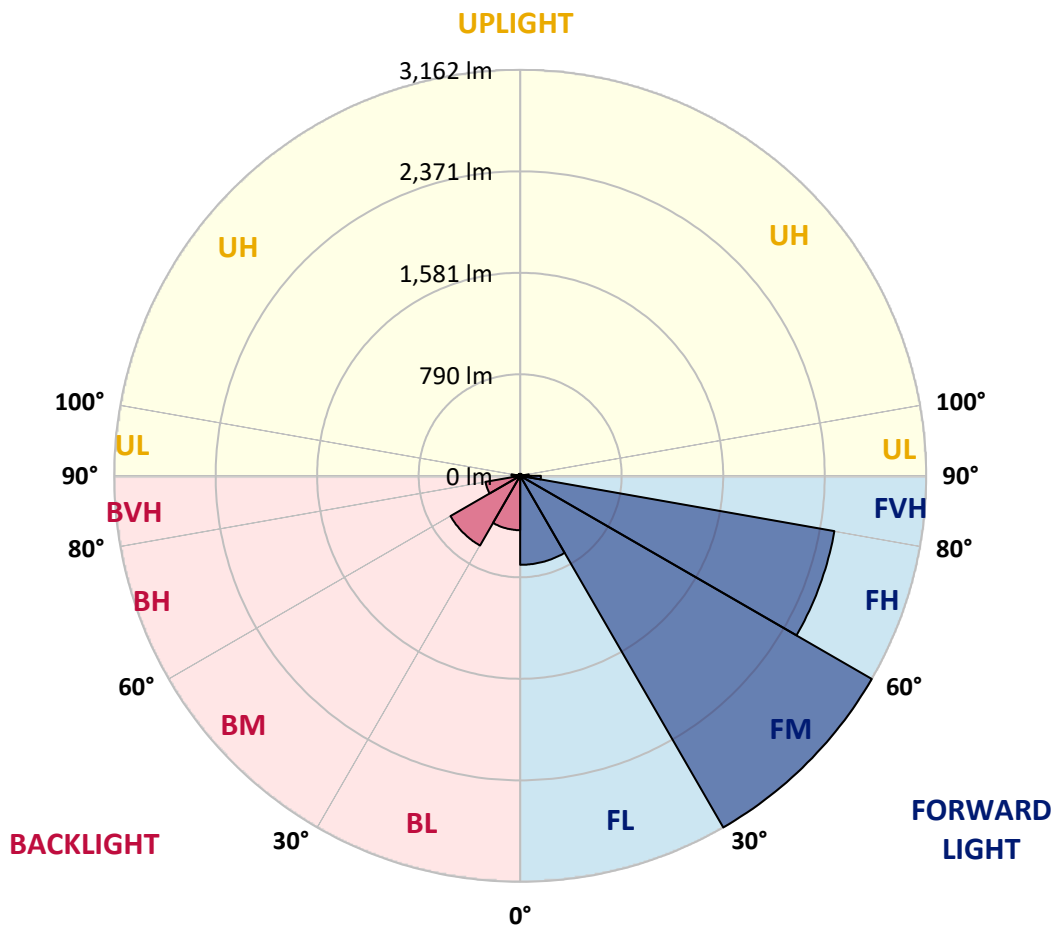
CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	693.1	8.7			
FM (30°-60°)	3162.0	39.9			
FH (60°-80°)	2484.7	31.3			G2/5000
FVH (80°-90°)	161.3	2.0			G2/225
BL (0°-30°)	423.3	5.3	B1/500		
BM (30°-60°)	626.8	7.9	B1/1000		
BH (60°-80°)	274.2	3.5	B1/500		G1/500
BVH (80°-90°)	20.4	0.3			G1/100
UL (90°-100°)	67.7	0.9		U3/500	
UH (100°-180°)	15.4	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°	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8
2.5°	1211.3	1208.5	1211.3	1208.5	1205.6	1202.8	1200.0	1200.0	1197.1	1200.0	1202.8
5°	1265.2	1268.0	1262.4	1251.0	1236.8	1225.5	1219.8	1217.0	1217.0	1219.8	1231.2
7.5°	1304.9	1302.1	1299.2	1296.4	1285.1	1259.5	1245.3	1239.7	1239.7	1234.0	1253.9
10°	1375.8	1370.2	1356.0	1339.0	1327.6	1299.2	1273.7	1265.2	1262.4	1265.2	1282.2
12.5°	1452.4	1446.8	1443.9	1426.9	1387.2	1361.6	1319.1	1299.2	1299.2	1299.2	1307.7
15°	1563.1	1554.5	1526.2	1506.3	1472.3	1429.7	1381.5	1353.1	1353.1	1358.8	1336.1
17.5°	1642.5	1636.8	1634.0	1599.9	1571.6	1506.3	1469.4	1421.2	1421.2	1432.6	1384.3
20°	1724.8	1719.1	1721.9	1716.2	1673.7	1622.6	1557.4	1500.6	1500.6	1503.5	1435.4
22.5°	1835.4	1826.9	1826.9	1824.0	1801.3	1741.8	1665.2	1617.0	1608.4	1585.8	1500.6
25°	1946.0	1943.2	1937.5	1940.3	1934.7	1866.6	1784.3	1730.4	1730.4	1699.2	1588.6
27.5°	2056.7	2056.7	2053.8	2056.7	2053.8	2011.3	1929.0	1872.3	1875.1	1835.4	1685.0
30°	2136.1	2133.2	2153.1	2161.6	2167.3	2150.3	2070.8	2008.4	2014.1	1974.4	1798.5
32.5°	2209.8	2207.0	2241.0	2260.9	2266.6	2263.7	2198.5	2147.4	2161.6	2124.7	1934.7
35°	2277.9	2275.1	2320.5	2371.5	2394.2	2388.6	2346.0	2317.6	2331.8	2329.0	2119.1
37.5°	2329.0	2337.5	2397.1	2468.0	2507.7	2510.5	2490.7	2521.9	2538.9	2595.6	2348.8
40°	2388.6	2388.6	2445.3	2521.9	2592.8	2621.2	2638.2	2780.0	2797.1	2808.4	2502.0
42.5°	2326.1	2343.2	2465.1	2578.6	2669.4	2734.6	2828.3	3012.6	3049.5	2964.4	2689.3
45°	2277.9	2292.1	2416.9	2607.0	2737.5	2859.5	3035.3	3239.6	3268.0	3120.4	2788.5
47.5°	2226.9	2249.6	2377.2	2587.1	2802.7	3012.6	3208.4	3418.3	3443.8	3253.8	2927.5
50°	2167.3	2192.8	2329.0	2558.8	2836.8	3157.3	3364.4	3591.3	3594.2	3370.1	3004.1
52.5°	2110.6	2127.6	2269.4	2521.9	2865.1	3268.0	3511.9	3721.8	3704.8	3517.6	3086.4
55°	2014.1	2048.1	2198.5	2470.8	2879.3	3330.4	3614.0	3832.5	3843.8	3676.4	3197.0
57.5°	1926.2	1948.9	2107.7	2397.1	2868.0	3367.2	3713.3	4039.6	4062.2	3818.3	3276.5
60°	1815.5	1829.7	1982.9	2294.9	2794.2	3429.6	3934.6	4269.3	4294.9	3954.5	3307.7
62.5°	1676.5	1676.5	1829.7	2158.8	2700.6	3475.0	4087.8	4467.9	4467.9	4062.2	3319.0
65°	1497.8	1506.3	1642.5	1974.4	2544.6	3449.5	4133.2	4561.5	4570.0	4138.8	3313.3
67.5°	1324.8	1321.9	1441.1	1733.3	2309.1	3316.2	4099.1	4609.7	4643.8	4184.2	3239.6
70°	1095.0	1086.5	1197.1	1460.9	1980.1	3063.7	4019.7	4649.5	4626.8	4124.7	3094.9
72.5°	842.5	834.0	916.3	1117.7	1560.2	2629.7	3787.1	4399.8	4360.1	3801.3	2797.1
75°	598.6	587.2	652.5	785.8	1026.9	1923.3	3248.1	3903.4	3858.0	3418.3	2334.7
77.5°	340.4	329.1	388.6	496.4	621.3	1089.3	2459.5	3253.8	3316.2	2819.7	1784.3
80°	150.3	144.7	170.2	238.3	348.9	519.1	1339.0	2326.1	2241.0	1923.3	1015.6
82.5°	127.7	127.7	130.5	136.2	141.8	238.3	502.1	731.9	700.7	564.5	323.4
85°	110.6	107.8	113.5	119.1	122.0	156.0	292.2	351.8	346.1	312.0	224.1
87.5°	90.8	85.1	93.6	99.3	99.3	127.7	218.4	258.1	258.1	261.0	198.6
90°	79.4	79.4	73.8	73.8	76.6	90.8	167.4	212.8	218.4	269.5	229.8
92.5°	68.1	68.1	68.1	68.1	56.7	65.2	119.1	190.1	204.2	263.8	207.1
95°	65.2	62.4	65.2	59.6	56.7	59.6	90.8	167.4	184.4	232.6	181.6
97.5°	45.4	42.6	48.2	48.2	51.1	53.9	76.6	124.8	130.5	173.0	136.2
100°	31.2	28.4	28.4	28.4	36.9	36.9	62.4	76.6	79.4	110.6	90.8
102.5°	17.0	14.2	14.2	14.2	19.9	22.7	31.2	42.6	42.6	59.6	51.1
105°	5.7	5.7	8.5	8.5	8.5	11.3	11.3	14.2	14.2	17.0	22.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8



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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	2.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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°	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8	1202.8
2.5°	1205.6	1211.3	1225.5	1234.0	1245.3	1256.7	1265.2	1265.2	1273.7	1268.0	1265.2
5°	1242.5	1245.3	1262.4	1273.7	1270.9	1259.5	1251.0	1245.3	1248.2	1253.9	1253.9
7.5°	1268.0	1279.4	1265.2	1265.2	1262.4	1248.2	1231.2	1214.1	1205.6	1202.8	1202.8
10°	1282.2	1270.9	1265.2	1251.0	1219.8	1211.3	1197.1	1165.9	1157.4	1157.4	1146.1
12.5°	1290.7	1285.1	1253.9	1228.3	1200.0	1154.6	1123.4	1117.7	1092.2	1089.3	1092.2
15°	1324.8	1296.4	1256.7	1208.5	1154.6	1114.8	1072.3	1026.9	1007.1	1009.9	1012.7
17.5°	1347.5	1321.9	1251.0	1174.4	1126.2	1052.4	1004.2	978.7	947.5	947.5	947.5
20°	1384.3	1341.8	1242.5	1160.2	1046.8	992.9	936.1	907.8	876.6	822.7	817.0
22.5°	1432.6	1378.7	1239.7	1117.7	1015.6	927.6	845.4	757.4	712.0	680.8	672.3
25°	1492.1	1429.7	1259.5	1097.8	956.0	848.2	743.2	624.1	539.0	522.0	522.0
27.5°	1594.3	1495.0	1285.1	1078.0	921.9	760.3	595.7	490.8	417.0	394.3	391.5
30°	1693.5	1577.2	1293.6	1058.1	856.7	641.1	459.6	348.9	283.7	255.3	249.6
32.5°	1849.6	1690.7	1367.3	1041.1	782.9	516.3	326.2	221.3	167.4	150.3	147.5
35°	2008.4	1843.9	1392.9	995.7	649.6	377.3	187.2	119.1	90.8	76.6	73.8
37.5°	2212.7	2036.8	1469.4	947.5	516.3	215.6	105.0	65.2	56.7	56.7	56.7
40°	2331.8	2121.9	1537.5	885.1	354.6	110.6	62.4	51.1	51.1	48.2	48.2
42.5°	2485.0	2226.9	1597.1	763.1	187.2	68.1	53.9	48.2	42.6	42.6	42.6
45°	2572.9	2294.9	1577.2	612.7	87.9	62.4	51.1	42.6	39.7	39.7	39.7
47.5°	2680.7	2380.0	1534.7	453.9	76.6	56.7	48.2	39.7	36.9	39.7	39.7
50°	2788.5	2465.1	1426.9	348.9	70.9	53.9	42.6	34.0	34.0	36.9	36.9
52.5°	2842.4	2524.7	1299.2	241.1	70.9	51.1	39.7	34.0	31.2	31.2	31.2
55°	2904.8	2538.9	1191.4	158.9	68.1	48.2	36.9	28.4	28.4	25.5	25.5
57.5°	2938.9	2502.0	1112.0	133.3	65.2	45.4	34.0	25.5	22.7	19.9	19.9
60°	2924.7	2448.1	1043.9	116.3	59.6	42.6	31.2	22.7	17.0	14.2	14.2
62.5°	2896.3	2402.7	919.1	102.1	56.7	36.9	25.5	19.9	14.2	11.3	11.3
65°	2865.1	2280.8	774.4	87.9	51.1	34.0	22.7	17.0	11.3	8.5	8.5
67.5°	2720.5	2119.1	567.4	79.4	48.2	31.2	19.9	14.2	11.3	8.5	8.5
70°	2530.4	1849.6	365.9	68.1	42.6	28.4	19.9	11.3	8.5	5.7	5.7
72.5°	2153.1	1509.2	184.4	59.6	39.7	28.4	17.0	11.3	8.5	5.7	2.8
75°	1758.8	1126.2	119.1	51.1	36.9	28.4	17.0	11.3	5.7	2.8	2.8
77.5°	1259.5	609.9	90.8	45.4	31.2	28.4	14.2	8.5	5.7	5.7	2.8
80°	524.8	221.3	73.8	36.9	28.4	25.5	14.2	8.5	5.7	5.7	2.8
82.5°	221.3	153.2	65.2	31.2	25.5	25.5	11.3	8.5	5.7	5.7	5.7
85°	173.0	127.7	56.7	28.4	22.7	28.4	11.3	8.5	8.5	8.5	8.5
87.5°	161.7	130.5	51.1	25.5	22.7	19.9	11.3	8.5	14.2	14.2	17.0
90°	181.6	136.2	39.7	22.7	19.9	17.0	8.5	5.7	5.7	0.0	0.0
92.5°	167.4	124.8	28.4	17.0	25.5	11.3	5.7	0.0	0.0	0.0	0.0
95°	144.7	105.0	17.0	11.3	28.4	14.2	2.8	0.0	0.0	0.0	0.0
97.5°	107.8	76.6	11.3	5.7	22.7	17.0	2.8	0.0	0.0	0.0	0.0
100°	76.6	48.2	8.5	5.7	14.2	17.0	2.8	0.0	0.0	0.0	0.0
102.5°	42.6	25.5	5.7	2.8	5.7	5.7	0.0	0.0	0.0	0.0	0.0
105°	19.9	8.5	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691896
 CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
135°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.8	2.8	2.8	2.8	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)