

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: P690960

Luminaire Tested: **CRTK2-C01-D-U-T3-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690960
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-T3-7040-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: 8057 lumens
Efficiency: N/A
Efficacy: 132.1 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 (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



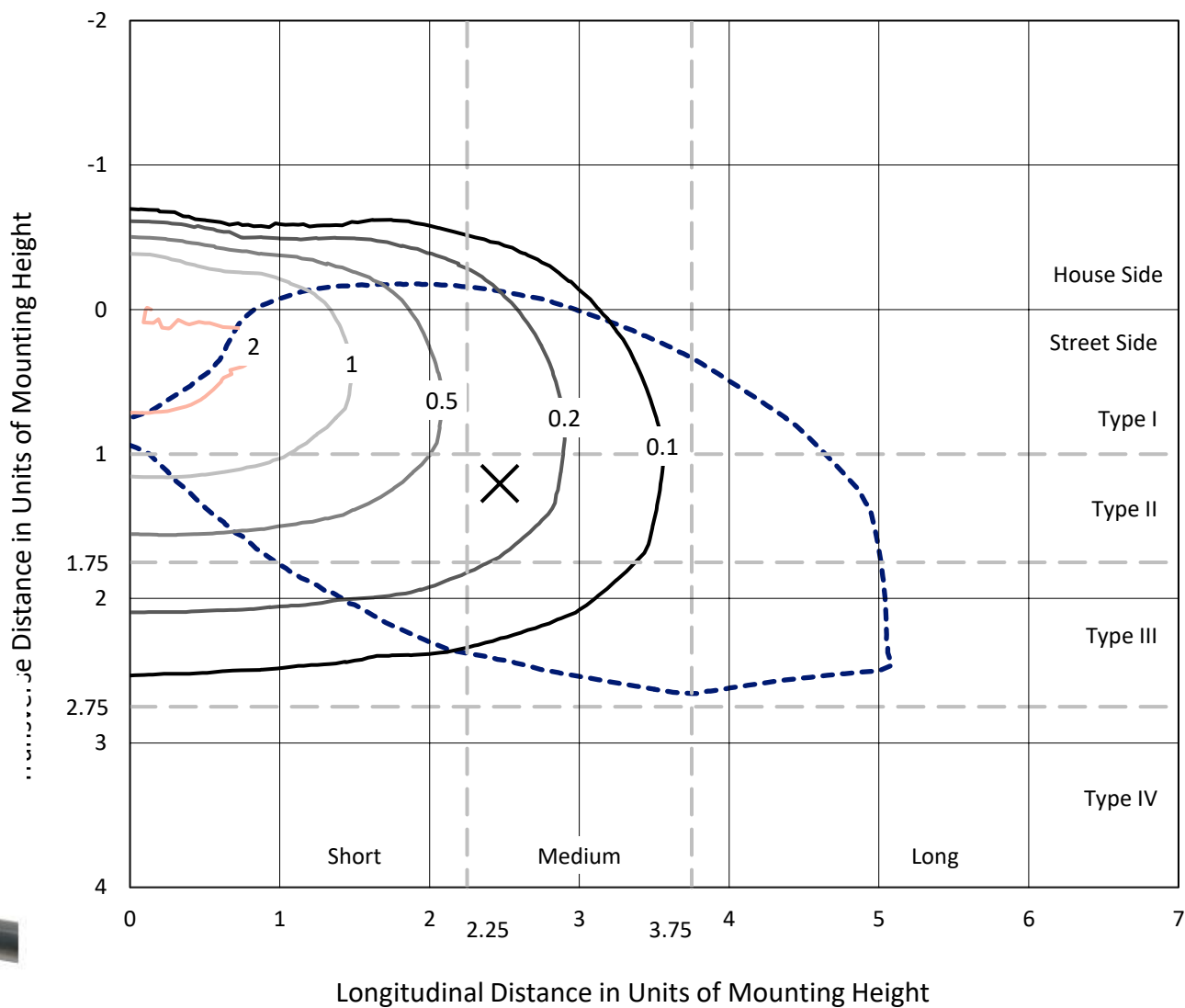
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

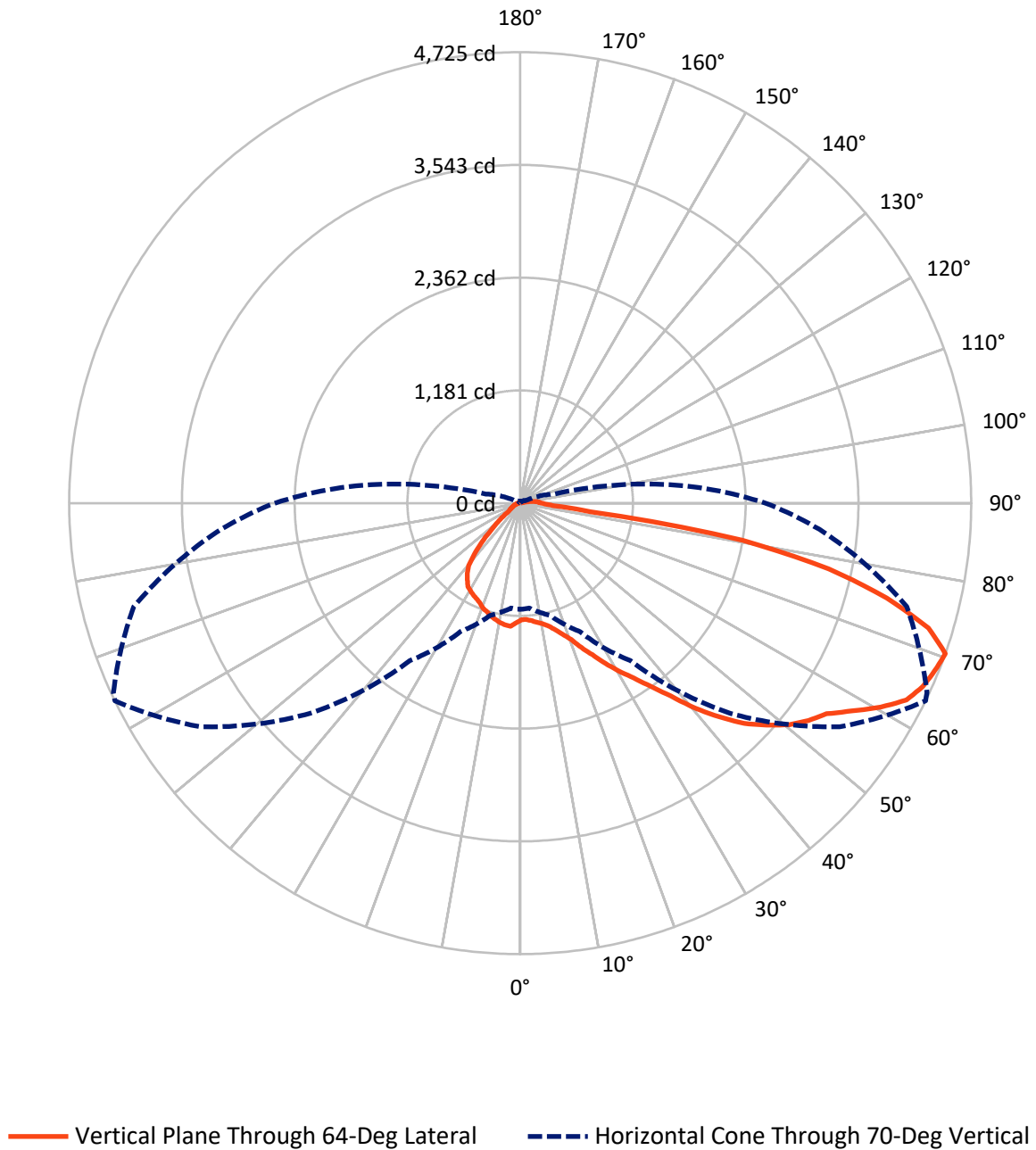


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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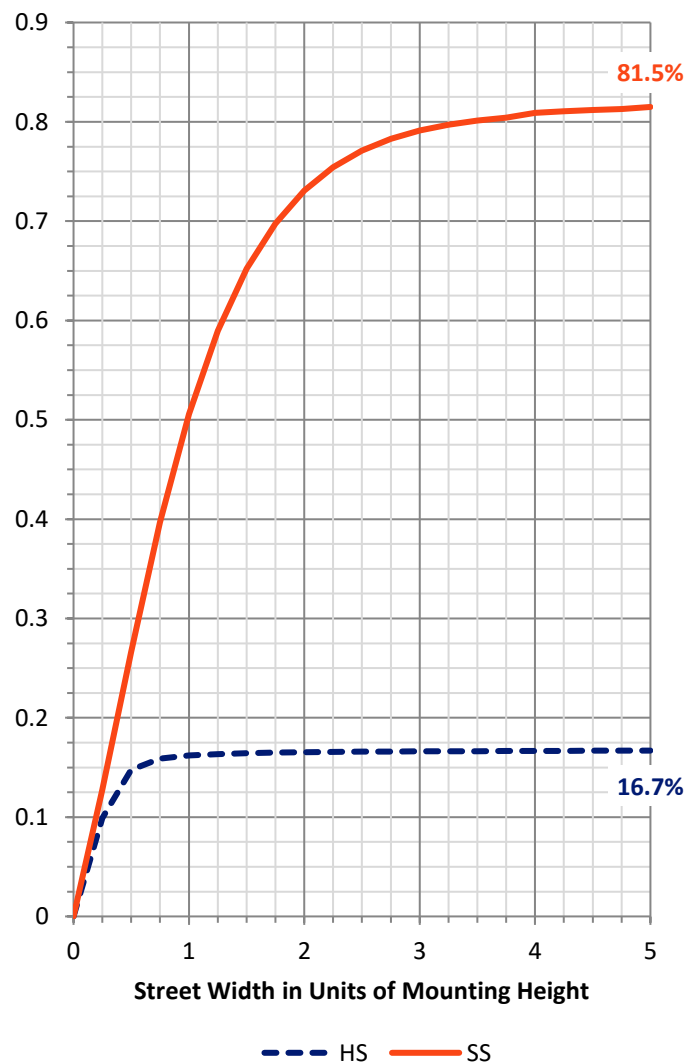
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1366.4	16.6	1383.1
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	6606.0	67.9	6674.0
	% Fixture	82.0	0.8	82.8
Total	Lumens	7972.4	84.6	8057.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	1.5
10°-20°	371.3	4.6
20°-30°	641.9	8.0
30°-40°	952.5	11.8
40°-50°	1308.4	16.2
50°-60°	1589.0	19.7
60°-70°	1688.1	21.0
70°-80°	1115.3	13.8
80°-90°	184.7	2.3
90°-100°	68.8	0.9
100°-110°	11.6	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°	7972.4	99.0
0°-180°	8057.0	100.0

Coefficient of Utilization



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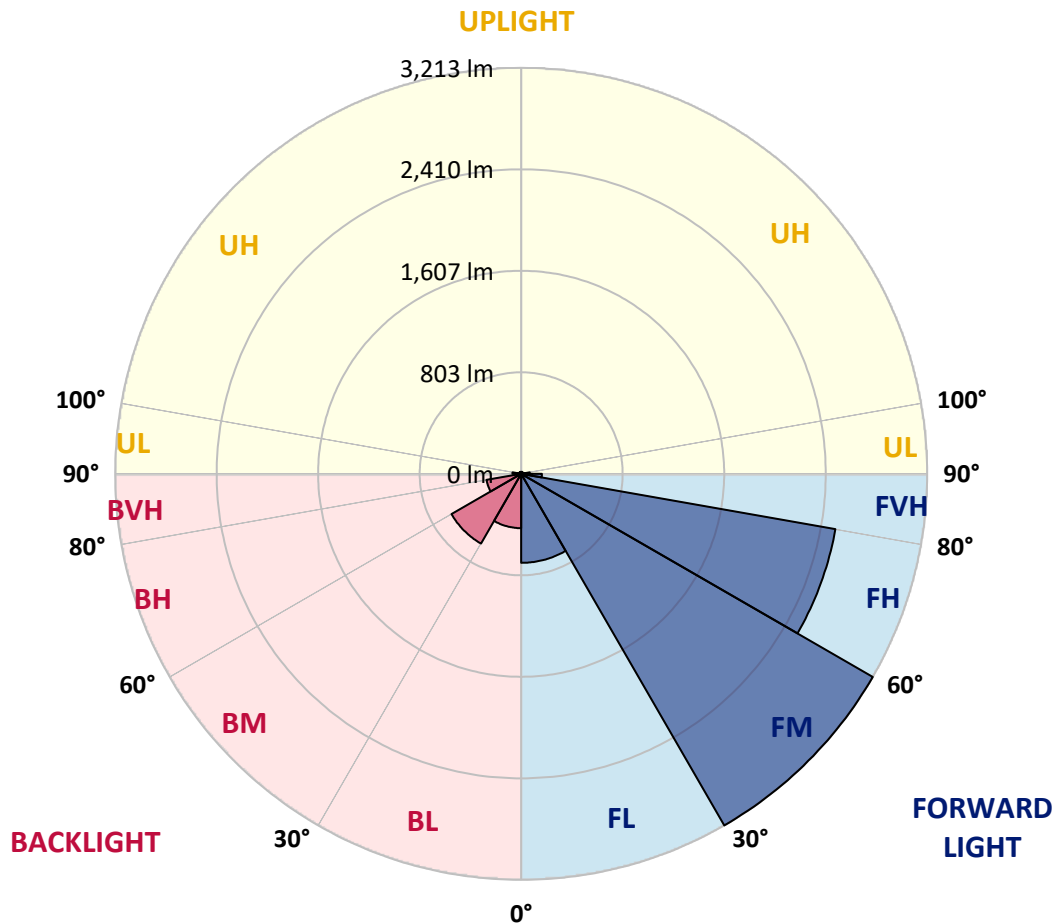
CATALOG NUMBER: CRTK2-C01-D-U-T3-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	704.3	8.7			
FM	(30°-60°)	3213.0	39.9			
FH	(60°-80°)	2524.8	31.3			G2/5000
FVH	(80°-90°)	163.9	2.0			G2/225
BL	(0°-30°)	430.1	5.3	B1/500		
BM	(30°-60°)	636.9	7.9	B1/1000		
BH	(60°-80°)	278.6	3.5	B1/500		G1/500
BVH	(80°-90°)	20.7	0.3			G1/100
UL	(90°-100°)	68.8	0.9		U3/500	
UH	(100°-180°)	15.7	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°	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2
2.5°	1230.9	1228.0	1230.9	1228.0	1225.1	1222.2	1219.3	1219.3	1216.4	1219.3	1222.2
5°	1285.6	1288.5	1282.7	1271.2	1256.8	1245.3	1239.5	1236.6	1236.6	1239.5	1251.0
7.5°	1326.0	1323.1	1320.2	1317.3	1305.8	1279.9	1265.4	1259.7	1259.7	1253.9	1274.1
10°	1398.0	1392.3	1377.9	1360.6	1349.0	1320.2	1294.3	1285.6	1282.7	1285.6	1302.9
12.5°	1475.9	1470.1	1467.2	1449.9	1409.6	1383.6	1340.4	1320.2	1320.2	1320.2	1328.9
15°	1588.3	1579.6	1550.8	1530.6	1496.0	1452.8	1403.8	1375.0	1375.0	1380.7	1357.7
17.5°	1669.0	1663.2	1660.4	1625.8	1596.9	1530.6	1493.2	1444.2	1444.2	1455.7	1406.7
20°	1752.6	1746.8	1749.7	1743.9	1700.7	1648.8	1582.5	1524.9	1524.9	1527.8	1458.6
22.5°	1865.0	1856.4	1856.4	1853.5	1830.4	1769.9	1692.1	1643.1	1634.4	1611.4	1524.9
25°	1977.4	1974.6	1968.8	1971.7	1965.9	1896.7	1813.1	1758.4	1758.4	1726.7	1614.2
27.5°	2089.9	2089.9	2087.0	2089.9	2087.0	2043.7	1960.1	1902.5	1905.4	1865.0	1712.2
30°	2170.6	2167.7	2187.9	2196.5	2202.3	2185.0	2104.3	2040.9	2046.6	2006.3	1827.5
32.5°	2245.5	2242.6	2277.2	2297.4	2303.2	2300.3	2234.0	2182.1	2196.5	2159.0	1965.9
35°	2314.7	2311.8	2357.9	2409.8	2432.9	2427.1	2383.9	2355.1	2369.5	2366.6	2153.3
37.5°	2366.6	2375.2	2435.8	2507.8	2548.2	2551.1	2530.9	2562.6	2579.9	2637.5	2386.8
40°	2427.1	2427.1	2484.8	2562.6	2634.7	2663.5	2680.8	2824.9	2842.2	2853.7	2542.4
42.5°	2363.7	2381.0	2504.9	2620.2	2712.5	2778.8	2873.9	3061.3	3098.8	3012.3	2732.7
45°	2314.7	2329.1	2455.9	2649.1	2781.7	2905.6	3084.3	3291.9	3320.7	3170.8	2833.6
47.5°	2262.8	2285.9	2415.6	2628.9	2848.0	3061.3	3260.2	3473.5	3499.4	3306.3	2974.8
50°	2202.3	2228.2	2366.6	2600.1	2882.6	3208.3	3418.7	3649.3	3652.2	3424.5	3052.6
52.5°	2144.6	2161.9	2306.0	2562.6	2911.4	3320.7	3568.6	3781.9	3764.6	3574.4	3136.2
55°	2046.6	2081.2	2234.0	2510.7	2925.8	3384.1	3672.4	3894.3	3905.9	3735.8	3248.6
57.5°	1957.3	1980.3	2141.7	2435.8	2914.3	3421.6	3773.3	4104.8	4127.8	3879.9	3329.4
60°	1844.8	1859.3	2014.9	2332.0	2839.3	3485.0	3998.1	4338.3	4364.2	4018.3	3361.1
62.5°	1703.6	1703.6	1859.3	2193.6	2744.2	3531.1	4153.8	4540.0	4540.0	4127.8	3372.6
65°	1522.0	1530.6	1669.0	2006.3	2585.7	3505.2	4199.9	4635.2	4643.8	4205.7	3366.8
67.5°	1346.2	1343.3	1464.3	1761.2	2346.4	3369.7	4165.3	4684.2	4718.7	4251.8	3291.9
70°	1112.7	1104.0	1216.4	1484.5	2012.0	3113.2	4084.6	4724.5	4701.5	4191.2	3144.9
72.5°	856.1	847.5	931.1	1135.7	1585.4	2672.1	3848.2	4470.8	4430.5	3862.6	2842.2
75°	608.2	596.7	663.0	798.5	1043.5	1954.4	3300.5	3966.4	3920.3	3473.5	2372.3
77.5°	345.9	334.4	394.9	504.4	631.3	1106.9	2499.2	3306.3	3369.7	2865.3	1813.1
80°	152.8	147.0	173.0	242.1	354.6	527.5	1360.6	2363.7	2277.2	1954.4	1032.0
82.5°	129.7	129.7	132.6	138.4	144.1	242.1	510.2	743.7	712.0	573.6	328.6
85°	112.4	109.5	115.3	121.1	124.0	158.5	296.9	357.4	351.7	317.1	227.7
87.5°	92.2	86.5	95.1	100.9	100.9	129.7	222.0	262.3	262.3	265.2	201.8
90°	80.7	80.7	74.9	74.9	77.8	92.2	170.1	216.2	222.0	273.8	233.5
92.5°	69.2	69.2	69.2	69.2	57.7	66.3	121.1	193.1	207.5	268.1	210.4
95°	66.3	63.4	66.3	60.5	57.7	60.5	92.2	170.1	187.4	236.4	184.5
97.5°	46.1	43.2	49.0	49.0	51.9	54.8	77.8	126.8	132.6	175.8	138.4
100°	31.7	28.8	28.8	28.8	37.5	37.5	63.4	77.8	80.7	112.4	92.2
102.5°	17.3	14.4	14.4	14.4	20.2	23.1	31.7	43.2	43.2	60.5	51.9
105°	5.8	5.8	8.6	8.6	8.6	11.5	11.5	14.4	14.4	17.3	23.1
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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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°	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2	1222.2
2.5°	1225.1	1230.9	1245.3	1253.9	1265.4	1277.0	1285.6	1285.6	1294.3	1288.5	1285.6
5°	1262.6	1265.4	1282.7	1294.3	1291.4	1279.9	1271.2	1265.4	1268.3	1274.1	1274.1
7.5°	1288.5	1300.0	1285.6	1285.6	1282.7	1268.3	1251.0	1233.7	1225.1	1222.2	1222.2
10°	1302.9	1291.4	1285.6	1271.2	1239.5	1230.9	1216.4	1184.7	1176.1	1176.1	1164.6
12.5°	1311.6	1305.8	1274.1	1248.1	1219.3	1173.2	1141.5	1135.7	1109.8	1106.9	1109.8
15°	1346.2	1317.3	1277.0	1228.0	1173.2	1132.8	1089.6	1043.5	1023.3	1026.2	1029.1
17.5°	1369.2	1343.3	1271.2	1193.4	1144.4	1069.4	1020.4	994.5	962.8	962.8	962.8
20°	1406.7	1363.5	1262.6	1179.0	1063.7	1008.9	951.2	922.4	890.7	835.9	830.2
22.5°	1455.7	1400.9	1259.7	1135.7	1032.0	942.6	859.0	769.6	723.5	691.8	683.2
25°	1516.2	1452.8	1279.9	1115.6	971.4	861.9	755.2	634.2	547.7	530.4	530.4
27.5°	1620.0	1519.1	1305.8	1095.4	936.8	772.5	605.3	498.7	423.7	400.7	397.8
30°	1720.9	1602.7	1314.4	1075.2	870.5	651.5	467.0	354.6	288.3	259.4	253.7
32.5°	1879.4	1718.0	1389.4	1057.9	795.6	524.6	331.5	224.8	170.1	152.8	149.9
35°	2040.9	1873.7	1415.3	1011.8	660.1	383.4	190.2	121.1	92.2	77.8	74.9
37.5°	2248.4	2069.7	1493.2	962.8	524.6	219.1	106.7	66.3	57.7	57.7	57.7
40°	2369.5	2156.2	1562.3	899.4	360.3	112.4	63.4	51.9	51.9	49.0	49.0
42.5°	2525.1	2262.8	1622.9	775.4	190.2	69.2	54.8	49.0	43.2	43.2	43.2
45°	2614.5	2332.0	1602.7	622.6	89.4	63.4	51.9	43.2	40.4	40.4	40.4
47.5°	2724.0	2418.5	1559.5	461.2	77.8	57.7	49.0	40.4	37.5	40.4	40.4
50°	2833.6	2504.9	1449.9	354.6	72.1	54.8	43.2	34.6	34.6	37.5	37.5
52.5°	2888.3	2565.5	1320.2	245.0	72.1	51.9	40.4	34.6	31.7	31.7	31.7
55°	2951.7	2579.9	1210.7	161.4	69.2	49.0	37.5	28.8	28.8	25.9	25.9
57.5°	2986.3	2542.4	1130.0	135.5	66.3	46.1	34.6	25.9	23.1	20.2	20.2
60°	2971.9	2487.6	1060.8	118.2	60.5	43.2	31.7	23.1	17.3	14.4	14.4
62.5°	2943.1	2441.5	933.9	103.8	57.7	37.5	25.9	20.2	14.4	11.5	11.5
65°	2911.4	2317.6	786.9	89.4	51.9	34.6	23.1	17.3	11.5	8.6	8.6
67.5°	2764.4	2153.3	576.5	80.7	49.0	31.7	20.2	14.4	11.5	8.6	8.6
70°	2571.2	1879.4	371.9	69.2	43.2	28.8	20.2	11.5	8.6	5.8	5.8
72.5°	2187.9	1533.5	187.4	60.5	40.4	28.8	17.3	11.5	8.6	5.8	2.9
75°	1787.2	1144.4	121.1	51.9	37.5	28.8	17.3	11.5	5.8	2.9	2.9
77.5°	1279.9	619.8	92.2	46.1	31.7	28.8	14.4	8.6	5.8	5.8	2.9
80°	533.3	224.8	74.9	37.5	28.8	25.9	14.4	8.6	5.8	5.8	2.9
82.5°	224.8	155.7	66.3	31.7	25.9	25.9	11.5	8.6	5.8	5.8	5.8
85°	175.8	129.7	57.7	28.8	23.1	28.8	11.5	8.6	8.6	8.6	8.6
87.5°	164.3	132.6	51.9	25.9	23.1	20.2	11.5	8.6	14.4	14.4	17.3
90°	184.5	138.4	40.4	23.1	20.2	17.3	8.6	5.8	5.8	0.0	0.0
92.5°	170.1	126.8	28.8	17.3	25.9	11.5	5.8	0.0	0.0	0.0	0.0
95°	147.0	106.7	17.3	11.5	28.8	14.4	2.9	0.0	0.0	0.0	0.0
97.5°	109.5	77.8	11.5	5.8	23.1	17.3	2.9	0.0	0.0	0.0	0.0
100°	77.8	49.0	8.6	5.8	14.4	17.3	2.9	0.0	0.0	0.0	0.0
102.5°	43.2	25.9	5.8	2.9	5.8	5.8	0.0	0.0	0.0	0.0	0.0
105°	20.2	8.6	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: P690960

CATALOG NUMBER: CRTK2-C01-D-U-T3-7040-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)