

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: P690975

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690975
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8901 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

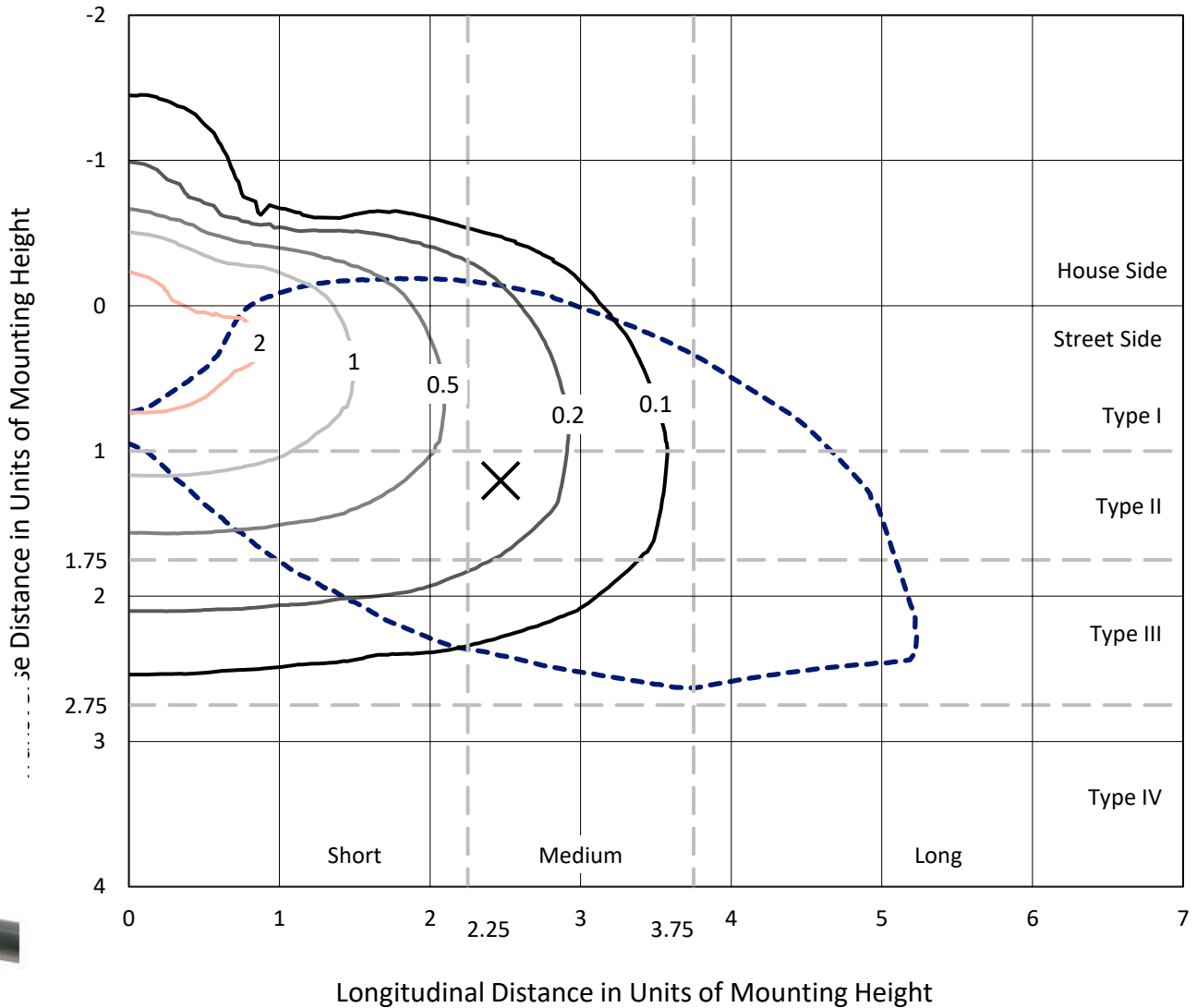
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

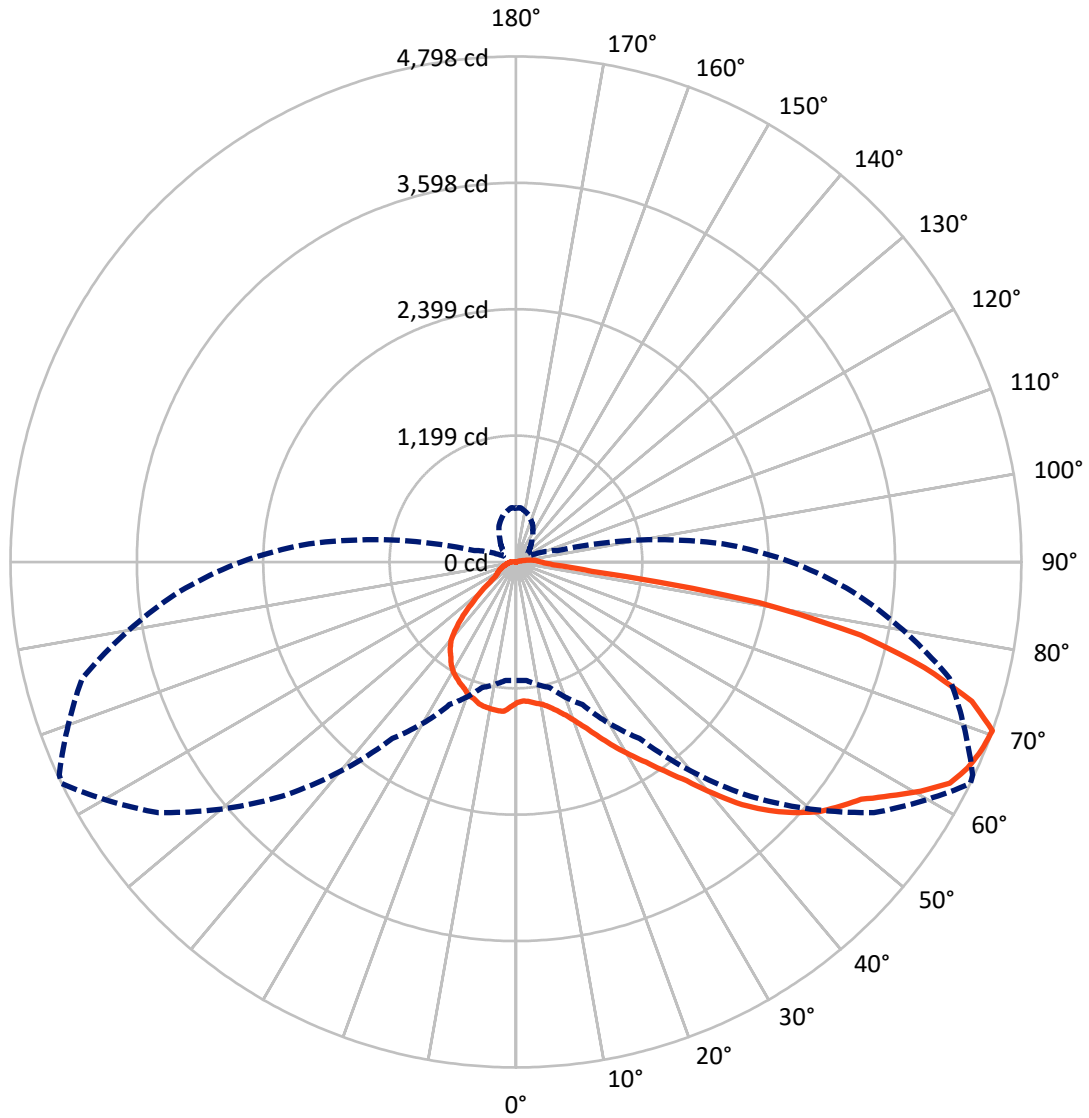
✕ Max cd
 - - - 1/2 Max cd



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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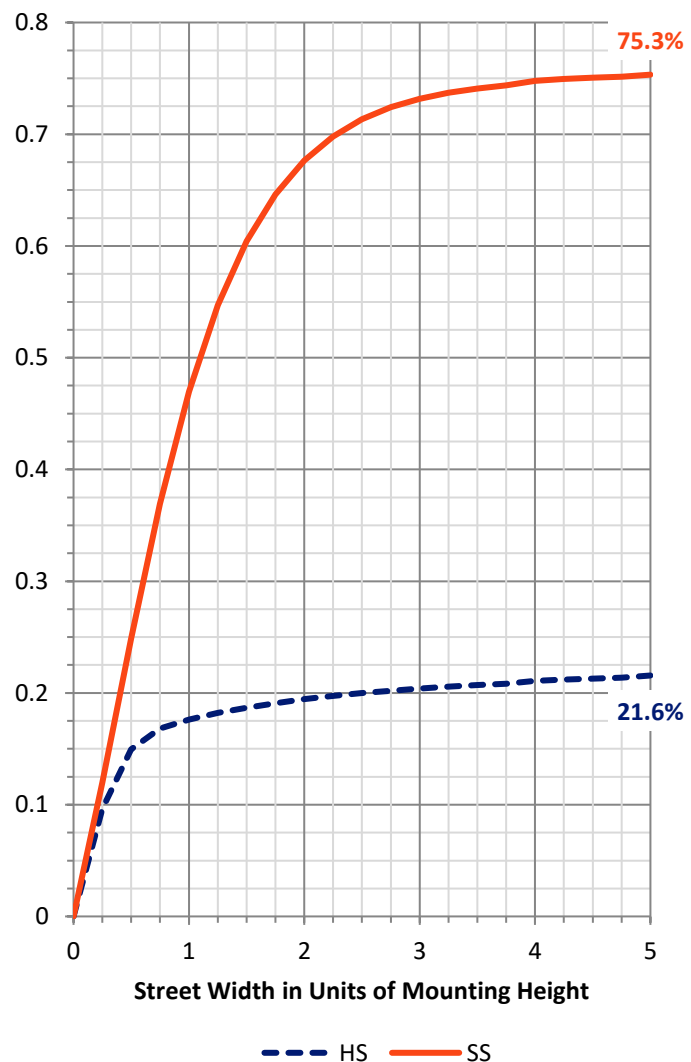
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2029.2	55.0	2084.1
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	6745.9	71.0	6816.9
	% Fixture	75.8	0.8	76.6
Total	Lumens	8775.1	126.0	8901.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.1	1.5
10°-20°	414.4	4.7
20°-30°	718.9	8.1
30°-40°	1043.3	11.7
40°-50°	1400.1	15.7
50°-60°	1692.8	19.0
60°-70°	1822.2	20.5
70°-80°	1251.6	14.1
80°-90°	298.6	3.4
90°-100°	108.1	1.2
100°-110°	13.6	0.2
110°-120°	1.0	0.0
120°-130°	0.9	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8775.1	98.6
0°-180°	8901.0	100.0

Coefficient of Utilization

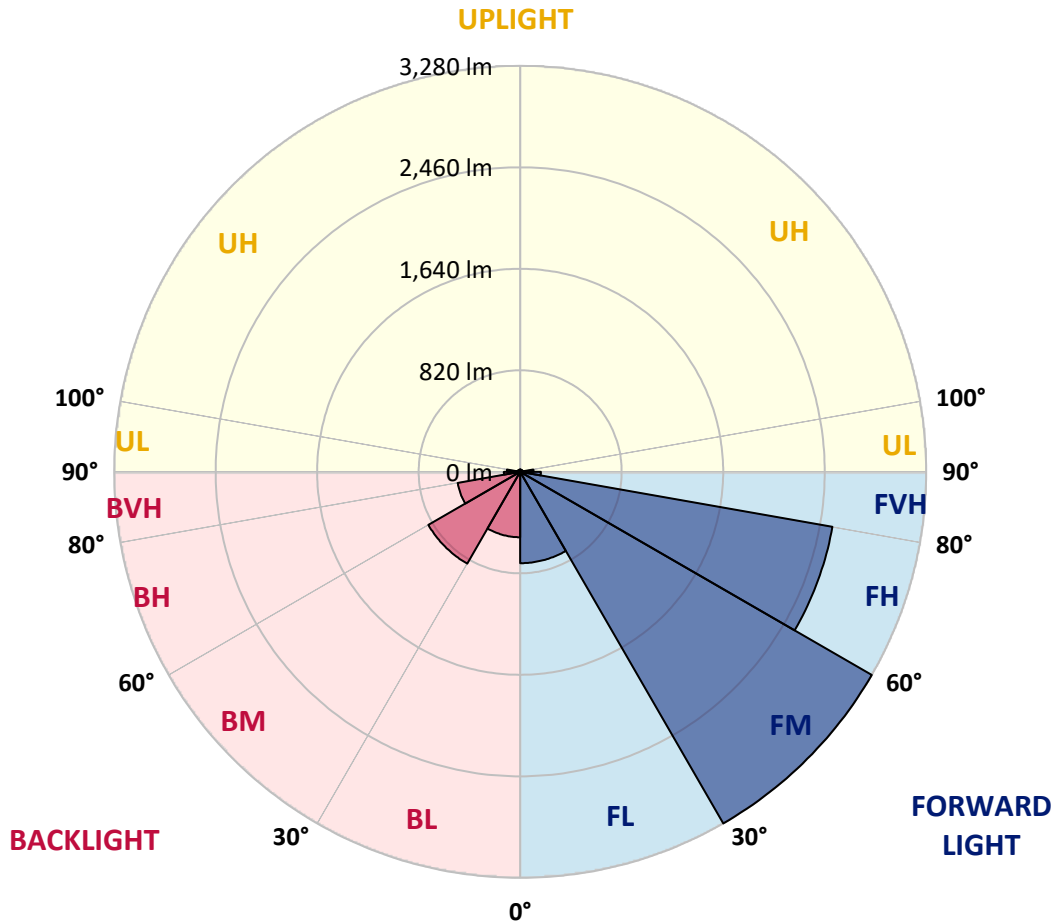


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	738.0	8.3			
FM (30°-60°)	3279.8	36.8			
FH (60°-80°)	2561.0	28.8			G2/5000
FVH (80°-90°)	167.1	1.9			G2/225
BL (0°-30°)	528.5	5.9	B2/1000		
BM (30°-60°)	856.4	9.6	B1/1000		
BH (60°-80°)	512.8	5.8	B2/1000		G2/1000
BVH (80°-90°)	131.6	1.5			G2/225
UL (90°-100°)	108.1	1.2		U3/500	
UH (100°-180°)	17.9	0.2		U2/50	

BUG Rating: B2-U3-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8
2.5°	1324.2	1324.2	1321.3	1321.3	1324.2	1327.1	1324.2	1321.3	1324.2	1327.1	1335.8
5°	1376.7	1373.8	1370.8	1359.2	1347.5	1338.8	1332.9	1330.0	1332.9	1344.6	1365.0
7.5°	1411.7	1408.8	1408.8	1405.8	1394.2	1370.8	1356.3	1353.3	1353.3	1356.3	1382.5
10°	1484.6	1478.8	1467.1	1446.7	1435.0	1405.8	1379.6	1373.8	1373.8	1379.6	1411.7
12.5°	1563.3	1551.7	1554.6	1531.3	1496.3	1464.2	1426.3	1411.7	1405.8	1411.7	1429.2
15°	1671.3	1662.5	1639.2	1612.9	1577.9	1534.2	1487.5	1464.2	1461.3	1470.0	1455.4
17.5°	1750.0	1738.3	1741.3	1703.3	1674.2	1615.8	1572.1	1528.3	1528.3	1540.0	1502.1
20°	1831.7	1825.8	1834.6	1825.8	1782.1	1729.6	1665.4	1612.9	1604.2	1610.0	1554.6
22.5°	1936.7	1927.9	1927.9	1930.8	1895.8	1843.3	1767.5	1715.0	1712.1	1688.8	1612.9
25°	2044.6	2035.8	2032.9	2038.8	2032.9	1971.7	1892.9	1840.4	1831.7	1799.6	1691.7
27.5°	2146.7	2146.7	2149.6	2155.4	2164.2	2114.6	2038.8	1980.4	1980.4	1945.4	1796.7
30°	2222.5	2222.5	2248.8	2260.4	2269.2	2257.5	2175.8	2120.4	2126.3	2079.6	1916.3
32.5°	2292.5	2295.4	2324.6	2353.8	2362.5	2371.3	2301.3	2266.3	2266.3	2222.5	2044.6
35°	2362.5	2362.5	2403.3	2461.7	2490.8	2482.1	2450.0	2438.3	2441.3	2432.5	2234.2
37.5°	2417.9	2423.8	2485.0	2557.9	2598.8	2613.3	2595.8	2633.8	2668.8	2695.0	2482.1
40°	2473.3	2473.3	2531.7	2610.4	2683.3	2724.2	2747.5	2890.4	2916.7	2925.4	2622.1
42.5°	2415.0	2429.6	2552.1	2668.8	2762.1	2832.1	2937.1	3150.0	3182.1	3082.9	2811.7
45°	2359.6	2377.1	2499.6	2695.0	2829.2	2969.2	3150.0	3365.9	3392.1	3243.4	2925.4
47.5°	2304.2	2324.6	2458.8	2671.7	2890.4	3120.9	3316.3	3555.4	3567.1	3374.6	3053.8
50°	2245.8	2266.3	2409.2	2645.4	2928.4	3275.4	3482.5	3727.5	3727.5	3491.3	3129.6
52.5°	2172.9	2196.3	2342.1	2604.6	2957.5	3380.4	3634.2	3852.9	3829.6	3631.3	3214.2
55°	2079.6	2111.7	2266.3	2546.3	2969.2	3435.9	3730.4	3975.4	3969.6	3803.4	3322.1
57.5°	1980.4	2006.7	2172.9	2470.4	2957.5	3473.8	3832.5	4188.4	4197.1	3952.1	3406.7
60°	1869.6	1887.1	2047.5	2365.4	2881.7	3540.9	4062.9	4415.9	4427.5	4089.2	3438.8
62.5°	1723.8	1735.4	1887.1	2222.5	2779.6	3584.6	4229.2	4622.9	4617.1	4211.7	3444.6
65°	1540.0	1554.6	1697.5	2032.9	2627.9	3555.4	4270.0	4713.4	4719.2	4270.0	3435.9
67.5°	1362.1	1370.8	1490.4	1782.1	2382.9	3415.4	4229.2	4765.9	4792.1	4319.6	3351.3
70°	1125.8	1128.8	1233.8	1493.3	2044.6	3147.1	4147.5	4797.9	4783.4	4261.3	3205.4
72.5°	866.3	869.2	947.9	1143.3	1589.6	2680.4	3858.8	4526.7	4500.4	3940.4	2890.4
75°	615.4	627.1	673.8	802.1	1064.6	1957.1	3301.7	4007.5	4025.0	3505.9	2409.2
77.5°	350.0	361.7	399.6	501.7	612.5	1096.7	2493.8	3342.5	3354.2	2948.8	1849.2
80°	151.7	154.6	169.2	239.2	326.7	525.0	1277.5	2342.1	2511.3	2003.8	1055.8
82.5°	128.3	128.3	134.2	140.0	142.9	239.2	495.8	726.3	749.6	592.1	344.2
85°	110.8	110.8	116.7	122.5	125.4	163.3	300.4	364.6	379.2	338.3	242.1
87.5°	87.5	87.5	96.3	102.1	102.1	134.2	224.6	271.3	280.0	271.3	215.8
90°	78.8	78.8	75.8	75.8	78.8	96.3	175.0	227.5	236.3	288.8	247.9
92.5°	67.1	70.0	70.0	70.0	61.3	70.0	125.4	201.3	218.8	285.8	224.6
95°	67.1	64.2	64.2	61.3	58.3	61.3	93.3	175.0	195.4	247.9	189.6
97.5°	46.7	43.8	46.7	49.6	52.5	55.4	78.8	128.3	142.9	192.5	140.0
100°	29.2	29.2	29.2	29.2	35.0	37.9	64.2	78.8	87.5	122.5	93.3
102.5°	17.5	14.6	14.6	14.6	17.5	23.3	32.1	43.8	46.7	70.0	55.4
105°	5.8	5.8	5.8	5.8	8.8	11.7	11.7	17.5	17.5	23.3	23.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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	2.9	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	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	2.9	0.0	2.9	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	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	2.9	2.9	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	2.9	2.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	2.9	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°	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8	1335.8
2.5°	1341.7	1347.5	1359.2	1373.8	1391.3	1405.8	1417.5	1420.4	1426.3	1426.3	1432.1
5°	1370.8	1382.5	1400.0	1420.4	1429.2	1423.3	1423.3	1426.3	1432.1	1446.7	1452.5
7.5°	1402.9	1411.7	1411.7	1420.4	1437.9	1432.1	1429.2	1426.3	1426.3	1420.4	1429.2
10°	1414.6	1402.9	1417.5	1414.6	1408.8	1420.4	1423.3	1405.8	1408.8	1408.8	1411.7
12.5°	1417.5	1417.5	1405.8	1405.8	1405.8	1379.6	1373.8	1388.3	1373.8	1379.6	1376.7
15°	1449.6	1426.3	1411.7	1394.2	1370.8	1362.1	1341.7	1318.3	1318.3	1324.2	1324.2
17.5°	1472.9	1449.6	1405.8	1359.2	1350.4	1309.6	1295.0	1289.2	1286.3	1289.2	1295.0
20°	1507.9	1472.9	1400.0	1353.3	1277.5	1262.9	1236.7	1233.8	1227.9	1207.5	1201.7
22.5°	1554.6	1499.2	1397.1	1303.8	1242.5	1192.9	1146.3	1117.1	1114.2	1099.6	1090.8
25°	1607.1	1551.7	1408.8	1280.4	1178.3	1105.4	1067.5	1000.4	968.3	980.0	974.2
27.5°	1715.0	1612.9	1429.2	1248.3	1125.8	1012.1	924.6	883.8	842.9	842.9	848.8
30°	1814.2	1691.7	1429.2	1219.2	1038.3	901.3	787.5	723.3	705.8	694.2	688.3
32.5°	1962.9	1790.8	1490.4	1178.3	956.7	758.3	630.0	554.2	557.1	568.8	565.8
35°	2135.0	1948.3	1507.9	1120.0	837.1	615.4	487.1	446.3	469.6	475.4	475.4
37.5°	2342.1	2140.8	1586.7	1073.3	711.7	455.0	385.0	367.5	387.9	385.0	396.7
40°	2455.8	2234.2	1653.8	1015.0	545.4	335.4	297.5	285.8	317.9	344.2	350.0
42.5°	2616.3	2345.0	1717.9	904.2	370.4	245.0	227.5	265.4	312.1	341.3	344.2
45°	2703.8	2409.2	1691.7	767.1	236.3	198.3	221.7	268.3	317.9	347.1	350.0
47.5°	2808.8	2493.8	1645.0	597.9	189.6	195.4	224.6	274.2	326.7	352.9	352.9
50°	2913.8	2578.3	1531.3	469.6	177.9	192.5	230.4	277.1	323.8	341.3	341.3
52.5°	2975.0	2651.3	1397.1	341.3	175.0	192.5	233.3	280.0	320.8	329.6	329.6
55°	3030.4	2657.1	1280.4	253.8	172.1	195.4	236.3	285.8	323.8	332.5	329.6
57.5°	3062.5	2619.2	1198.8	218.8	169.2	195.4	239.2	291.7	347.1	367.5	361.7
60°	3045.0	2560.8	1137.5	204.2	166.3	195.4	242.1	309.2	440.4	475.4	463.8
62.5°	3015.9	2520.0	1009.2	186.7	160.4	195.4	245.0	350.0	490.0	507.5	492.9
65°	2977.9	2400.4	863.3	169.2	154.6	192.5	247.9	379.2	466.7	466.7	463.8
67.5°	2820.4	2240.0	644.6	151.7	145.8	192.5	253.8	373.3	449.2	487.1	487.1
70°	2610.4	1971.7	425.8	134.2	137.1	186.7	265.4	379.2	463.8	516.3	510.4
72.5°	2210.8	1636.3	236.3	116.7	125.4	183.8	265.4	402.5	501.7	560.0	551.3
75°	1805.4	1210.4	169.2	105.0	113.8	177.9	268.3	417.1	536.7	597.9	583.3
77.5°	1271.7	694.2	134.2	90.4	102.1	169.2	265.4	411.3	554.2	609.6	592.1
80°	536.7	250.8	110.8	81.7	87.5	151.7	245.0	393.8	554.2	644.6	635.8
82.5°	242.1	177.9	96.3	72.9	81.7	125.4	227.5	379.2	536.7	647.5	700.0
85°	189.6	145.8	81.7	64.2	72.9	119.6	204.2	361.7	513.3	597.9	656.3
87.5°	180.8	145.8	72.9	58.3	67.1	102.1	157.5	335.4	460.8	551.3	597.9
90°	195.4	151.7	58.3	49.6	61.3	90.4	128.3	282.9	399.6	484.2	484.2
92.5°	180.8	140.0	43.8	37.9	64.2	72.9	122.5	175.0	288.8	242.1	300.4
95°	151.7	116.7	29.2	26.3	61.3	61.3	67.1	81.7	201.3	5.8	0.0
97.5°	110.8	84.6	17.5	14.6	46.7	49.6	32.1	37.9	81.7	0.0	0.0
100°	81.7	55.4	11.7	11.7	29.2	40.8	20.4	20.4	0.0	0.0	0.0
102.5°	43.8	29.2	8.8	5.8	14.6	23.3	8.8	5.8	0.0	0.0	0.0
105°	23.3	11.7	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
107.5°	5.8	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	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P690975
 CATALOG NUMBER: CRTK2-C01-D-U-T3-7050

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	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	0.0	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	0.0	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	2.9	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)