

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: P690967

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690967
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-T3-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8798 lumens
Efficiency: N/A
Efficacy: 144.2 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 (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

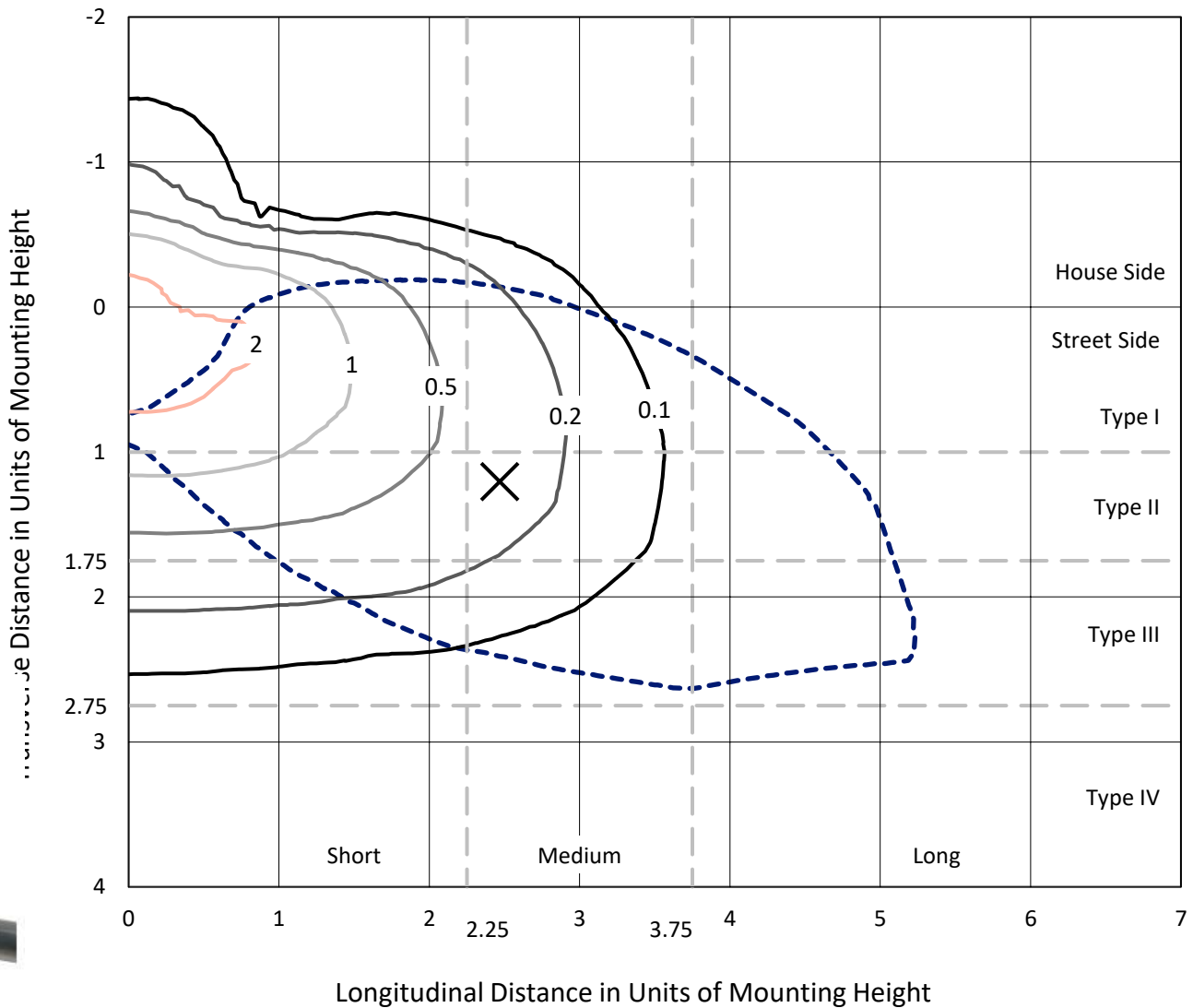


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

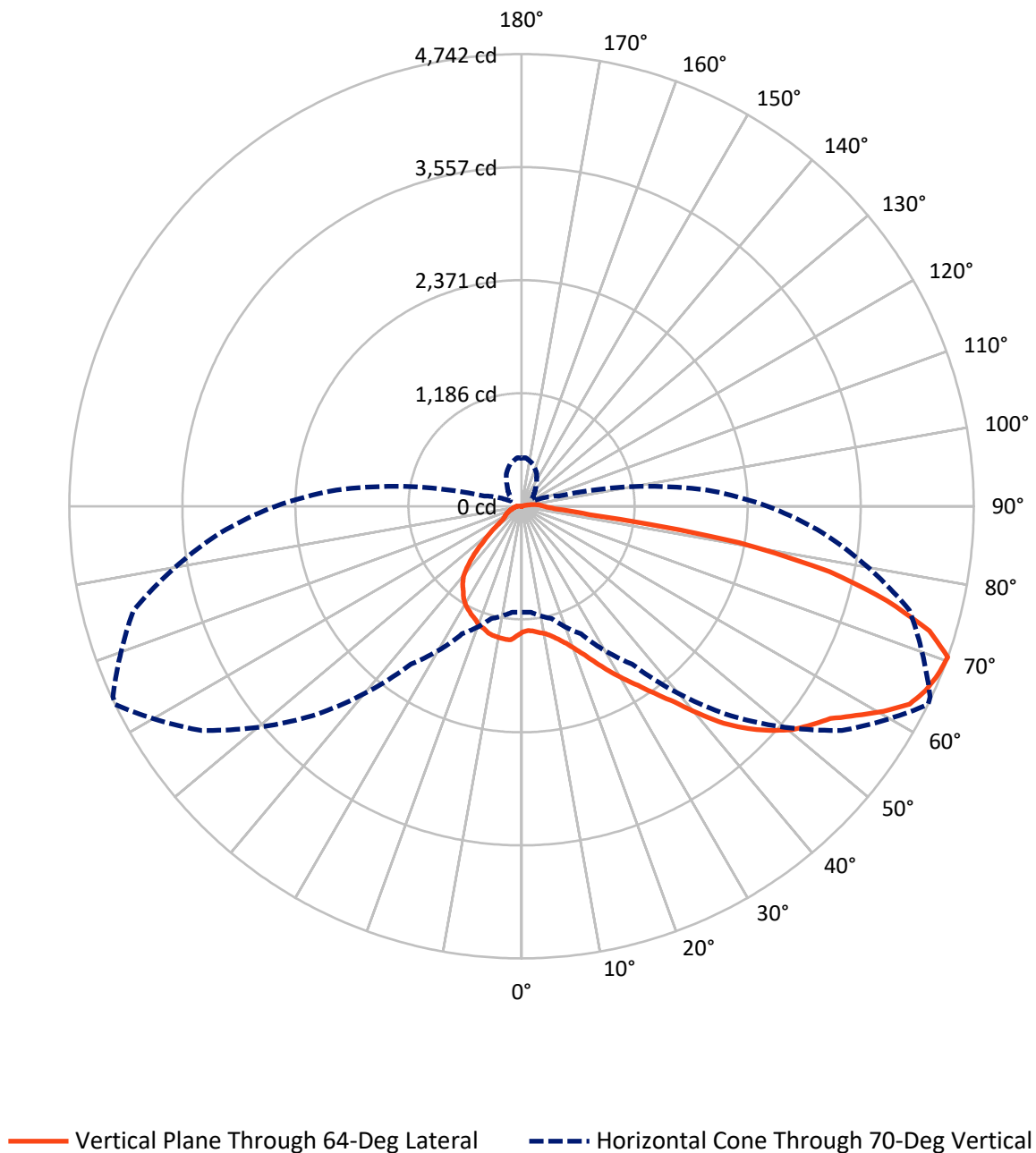


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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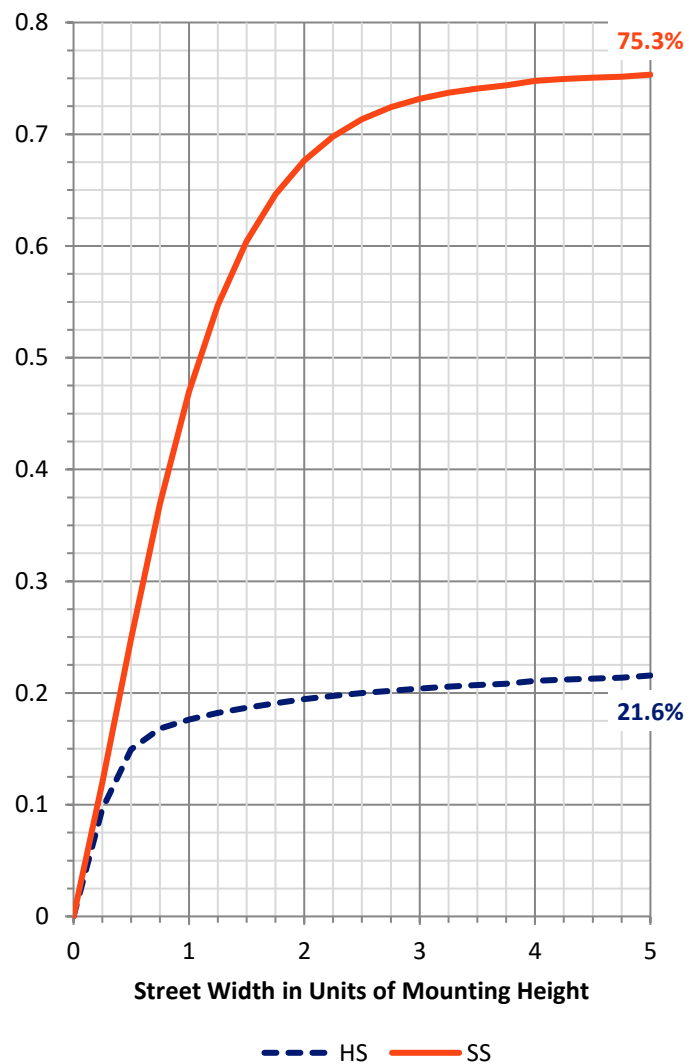
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2005.7	54.4	2060.0
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	6667.8	70.2	6738.0
	% Fixture	75.8	0.8	76.6
Total	Lumens	8673.5	124.5	8798.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	1.5
10°-20°	409.6	4.7
20°-30°	710.6	8.1
30°-40°	1031.2	11.7
40°-50°	1383.9	15.7
50°-60°	1673.2	19.0
60°-70°	1801.1	20.5
70°-80°	1237.1	14.1
80°-90°	295.2	3.4
90°-100°	106.8	1.2
100°-110°	13.4	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°	8673.5	98.6
0°-180°	8798.0	100.0

Coefficient of Utilization



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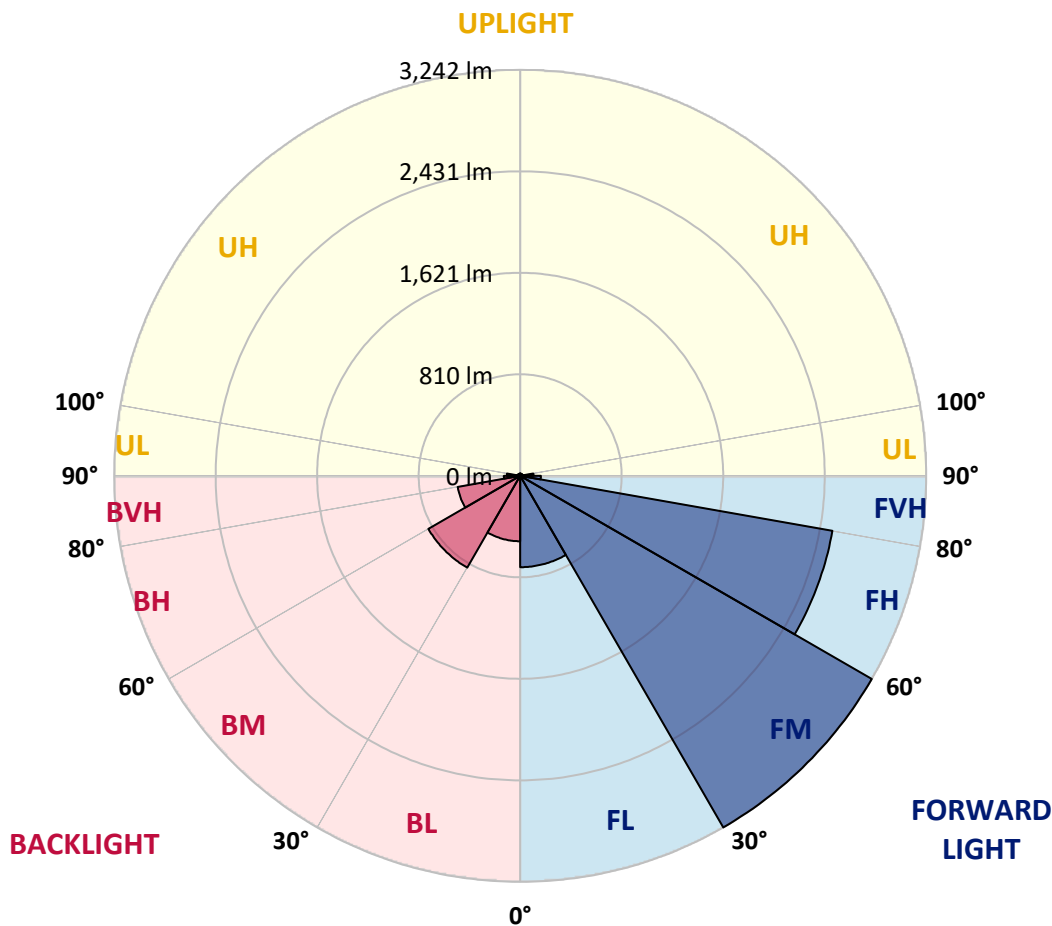
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	729.5	8.3			
FM	(30°-60°)	3241.9	36.8			
FH	(60°-80°)	2531.4	28.8			G2/5000
FVH	(80°-90°)	165.1	1.9			G2/225
BL	(0°-30°)	522.3	5.9	B2/1000		
BM	(30°-60°)	846.5	9.6	B1/1000		
BH	(60°-80°)	506.8	5.8	B2/1000		G2/1000
BVH	(80°-90°)	130.0	1.5			G2/225
UL	(90°-100°)	106.8	1.2		U3/500	
UH	(100°-180°)	17.7	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°	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4
2.5°	1308.9	1308.9	1306.0	1306.0	1308.9	1311.7	1308.9	1306.0	1308.9	1311.7	1320.4
5°	1360.7	1357.9	1355.0	1343.4	1331.9	1323.3	1317.5	1314.6	1317.5	1329.0	1349.2
7.5°	1395.3	1392.5	1392.5	1389.6	1378.0	1355.0	1340.6	1337.7	1337.7	1340.6	1366.5
10°	1467.4	1461.6	1450.1	1429.9	1418.4	1389.6	1363.6	1357.9	1357.9	1363.6	1395.3
12.5°	1545.3	1533.7	1536.6	1513.5	1478.9	1447.2	1409.8	1395.3	1389.6	1395.3	1412.6
15°	1651.9	1643.3	1620.2	1594.3	1559.7	1516.4	1470.3	1447.2	1444.3	1453.0	1438.6
17.5°	1729.8	1718.2	1721.1	1683.6	1654.8	1597.1	1553.9	1510.7	1510.7	1522.2	1484.7
20°	1810.5	1804.7	1813.4	1804.7	1761.5	1709.6	1646.2	1594.3	1585.6	1591.4	1536.6
22.5°	1914.3	1905.6	1905.6	1908.5	1873.9	1822.0	1747.1	1695.2	1692.3	1669.2	1594.3
25°	2020.9	2012.3	2009.4	2015.2	2009.4	1948.9	1871.0	1819.1	1810.5	1778.8	1672.1
27.5°	2121.8	2121.8	2124.7	2130.5	2139.1	2090.1	2015.2	1957.5	1957.5	1922.9	1775.9
30°	2196.8	2196.8	2222.7	2234.3	2242.9	2231.4	2150.7	2095.9	2101.7	2055.5	1894.1
32.5°	2266.0	2268.9	2297.7	2326.5	2335.2	2343.8	2274.6	2240.0	2240.0	2196.8	2020.9
35°	2335.2	2335.2	2375.5	2433.2	2462.0	2453.4	2421.7	2410.1	2413.0	2404.4	2208.3
37.5°	2390.0	2395.7	2456.3	2528.3	2568.7	2583.1	2565.8	2603.3	2637.9	2663.8	2453.4
40°	2444.7	2444.7	2502.4	2580.2	2652.3	2692.7	2715.7	2857.0	2882.9	2891.6	2591.8
42.5°	2387.1	2401.5	2522.6	2637.9	2730.1	2799.3	2903.1	3113.6	3145.3	3047.3	2779.1
45°	2332.3	2349.6	2470.7	2663.8	2796.4	2934.8	3113.6	3326.9	3352.9	3205.8	2891.6
47.5°	2277.5	2297.7	2430.3	2640.8	2857.0	3084.7	3277.9	3514.3	3525.8	3335.6	3018.4
50°	2219.9	2240.0	2381.3	2614.8	2894.5	3237.5	3442.2	3684.4	3684.4	3450.9	3093.4
52.5°	2147.8	2170.8	2315.0	2574.5	2923.3	3341.3	3592.1	3808.4	3785.3	3589.3	3177.0
55°	2055.5	2087.2	2240.0	2516.8	2934.8	3396.1	3687.3	3929.4	3923.7	3759.3	3283.7
57.5°	1957.5	1983.5	2147.8	2441.8	2923.3	3433.6	3788.2	4139.9	4148.5	3906.4	3367.3
60°	1848.0	1865.3	2023.8	2338.1	2848.3	3499.9	4015.9	4364.8	4376.3	4041.9	3399.0
62.5°	1703.8	1715.3	1865.3	2196.8	2747.4	3543.1	4180.3	4569.4	4563.7	4163.0	3404.7
65°	1522.2	1536.6	1677.9	2009.4	2597.5	3514.3	4220.6	4658.8	4664.6	4220.6	3396.1
67.5°	1346.3	1355.0	1473.2	1761.5	2355.4	3375.9	4180.3	4710.7	4736.7	4269.6	3312.5
70°	1112.8	1115.7	1219.5	1476.1	2020.9	3110.7	4099.5	4742.4	4728.0	4212.0	3168.3
72.5°	856.2	859.1	937.0	1130.1	1571.2	2649.4	3814.1	4474.3	4448.4	3894.8	2857.0
75°	608.3	619.8	666.0	792.8	1052.3	1934.4	3263.5	3961.1	3978.4	3465.3	2381.3
77.5°	346.0	357.5	395.0	495.9	605.4	1084.0	2464.9	3303.8	3315.4	2914.6	1827.8
80°	149.9	152.8	167.2	236.4	322.9	518.9	1262.7	2315.0	2482.2	1980.6	1043.6
82.5°	126.8	126.8	132.6	138.4	141.3	236.4	490.1	717.9	740.9	585.2	340.2
85°	109.6	109.6	115.3	121.1	124.0	161.4	296.9	360.4	374.8	334.4	239.3
87.5°	86.5	86.5	95.1	100.9	100.9	132.6	222.0	268.1	276.8	268.1	213.3
90°	77.8	77.8	75.0	75.0	77.8	95.1	173.0	224.9	233.5	285.4	245.0
92.5°	66.3	69.2	69.2	69.2	60.5	69.2	124.0	198.9	216.2	282.5	222.0
95°	66.3	63.4	63.4	60.5	57.7	60.5	92.3	173.0	193.2	245.0	187.4
97.5°	46.1	43.2	46.1	49.0	51.9	54.8	77.8	126.8	141.3	190.3	138.4
100°	28.8	28.8	28.8	28.8	34.6	37.5	63.4	77.8	86.5	121.1	92.3
102.5°	17.3	14.4	14.4	14.4	17.3	23.1	31.7	43.2	46.1	69.2	54.8
105°	5.8	5.8	5.8	5.8	8.6	11.5	11.5	17.3	17.3	23.1	23.1
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°	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4	1320.4
2.5°	1326.1	1331.9	1343.4	1357.9	1375.2	1389.6	1401.1	1404.0	1409.8	1409.8	1415.5
5°	1355.0	1366.5	1383.8	1404.0	1412.6	1406.9	1406.9	1409.8	1415.5	1429.9	1435.7
7.5°	1386.7	1395.3	1395.3	1404.0	1421.3	1415.5	1412.6	1409.8	1409.8	1404.0	1412.6
10°	1398.2	1386.7	1401.1	1398.2	1392.5	1404.0	1406.9	1389.6	1392.5	1392.5	1395.3
12.5°	1401.1	1401.1	1389.6	1389.6	1389.6	1363.6	1357.9	1372.3	1357.9	1363.6	1360.7
15°	1432.8	1409.8	1395.3	1378.0	1355.0	1346.3	1326.1	1303.1	1303.1	1308.9	1308.9
17.5°	1455.9	1432.8	1389.6	1343.4	1334.8	1294.4	1280.0	1274.3	1271.4	1274.3	1280.0
20°	1490.5	1455.9	1383.8	1337.7	1262.7	1248.3	1222.4	1219.5	1213.7	1193.5	1187.8
22.5°	1536.6	1481.8	1380.9	1288.7	1228.1	1179.1	1133.0	1104.2	1101.3	1086.9	1078.2
25°	1588.5	1533.7	1392.5	1265.6	1164.7	1092.6	1055.2	988.8	957.1	968.7	962.9
27.5°	1695.2	1594.3	1412.6	1233.9	1112.8	1000.4	913.9	873.5	833.2	833.2	838.9
30°	1793.2	1672.1	1412.6	1205.1	1026.3	890.8	778.4	715.0	697.7	686.1	680.4
32.5°	1940.2	1770.1	1473.2	1164.7	945.6	749.6	622.7	547.8	550.6	562.2	559.3
35°	2110.3	1925.8	1490.5	1107.0	827.4	608.3	481.4	441.1	464.2	469.9	469.9
37.5°	2315.0	2116.1	1568.3	1060.9	703.4	449.7	380.5	363.2	383.4	380.5	392.1
40°	2427.4	2208.3	1634.6	1003.3	539.1	331.5	294.1	282.5	314.2	340.2	346.0
42.5°	2586.0	2317.9	1698.0	893.7	366.1	242.2	224.9	262.3	308.5	337.3	340.2
45°	2672.5	2381.3	1672.1	758.2	233.5	196.0	219.1	265.2	314.2	343.1	346.0
47.5°	2776.3	2464.9	1626.0	591.0	187.4	193.2	222.0	271.0	322.9	348.8	348.8
50°	2880.0	2548.5	1513.5	464.2	175.9	190.3	227.8	273.9	320.0	337.3	337.3
52.5°	2940.6	2620.6	1380.9	337.3	173.0	190.3	230.6	276.8	317.1	325.8	325.8
55°	2995.4	2626.4	1265.6	250.8	170.1	193.2	233.5	282.5	320.0	328.7	325.8
57.5°	3027.1	2588.9	1184.9	216.2	167.2	193.2	236.4	288.3	343.1	363.2	357.5
60°	3009.8	2531.2	1124.3	201.8	164.3	193.2	239.3	305.6	435.3	469.9	458.4
62.5°	2981.0	2490.9	997.5	184.5	158.6	193.2	242.2	346.0	484.3	501.6	487.2
65°	2943.5	2372.7	853.3	167.2	152.8	190.3	245.0	374.8	461.3	461.3	458.4
67.5°	2787.8	2214.1	637.1	149.9	144.1	190.3	250.8	369.0	444.0	481.4	481.4
70°	2580.2	1948.9	420.9	132.6	135.5	184.5	262.3	374.8	458.4	510.3	504.5
72.5°	2185.3	1617.3	233.5	115.3	124.0	181.6	262.3	397.8	495.9	553.5	544.9
75°	1784.5	1196.4	167.2	103.8	112.4	175.9	265.2	412.3	530.5	591.0	576.6
77.5°	1257.0	686.1	132.6	89.4	100.9	167.2	262.3	406.5	547.8	602.5	585.2
80°	530.5	247.9	109.6	80.7	86.5	149.9	242.2	389.2	547.8	637.1	628.5
82.5°	239.3	175.9	95.1	72.1	80.7	124.0	224.9	374.8	530.5	640.0	691.9
85°	187.4	144.1	80.7	63.4	72.1	118.2	201.8	357.5	507.4	591.0	648.7
87.5°	178.7	144.1	72.1	57.7	66.3	100.9	155.7	331.5	455.5	544.9	591.0
90°	193.2	149.9	57.7	49.0	60.5	89.4	126.8	279.6	395.0	478.6	478.6
92.5°	178.7	138.4	43.2	37.5	63.4	72.1	121.1	173.0	285.4	239.3	296.9
95°	149.9	115.3	28.8	25.9	60.5	60.5	66.3	80.7	198.9	5.8	0.0
97.5°	109.6	83.6	17.3	14.4	46.1	49.0	31.7	37.5	80.7	0.0	0.0
100°	80.7	54.8	11.5	11.5	28.8	40.4	20.2	20.2	0.0	0.0	0.0
102.5°	43.2	28.8	8.6	5.8	14.4	23.1	8.6	5.8	0.0	0.0	0.0
105°	23.1	11.5	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: P690967
 CATALOG NUMBER: CRTK2-C01-D-U-T3-7040

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)