

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: P691535

Luminaire Tested: **CRTK2-C016-D-U-T3-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691535
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-C016-D-U-T3-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5247 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G1

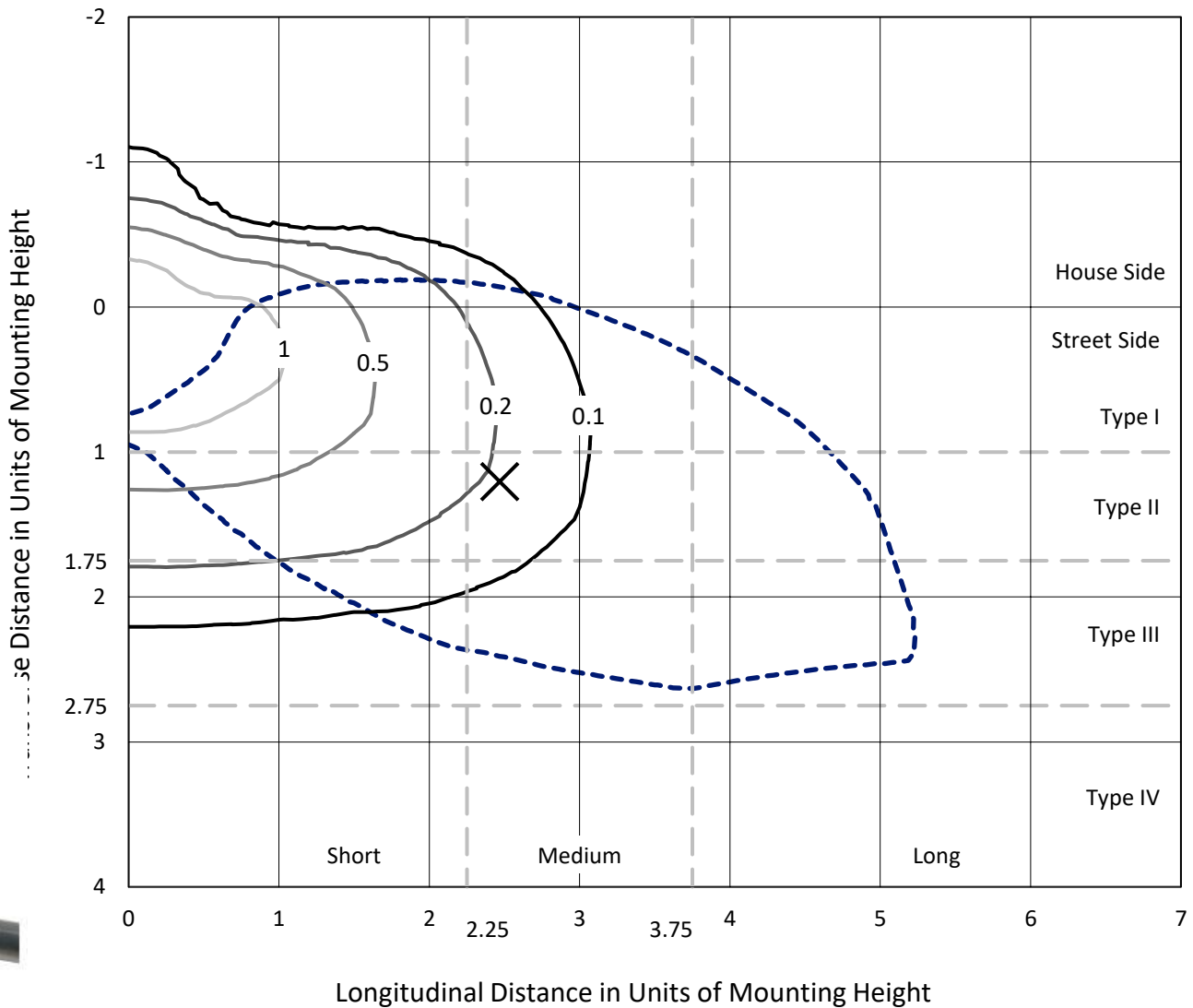
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

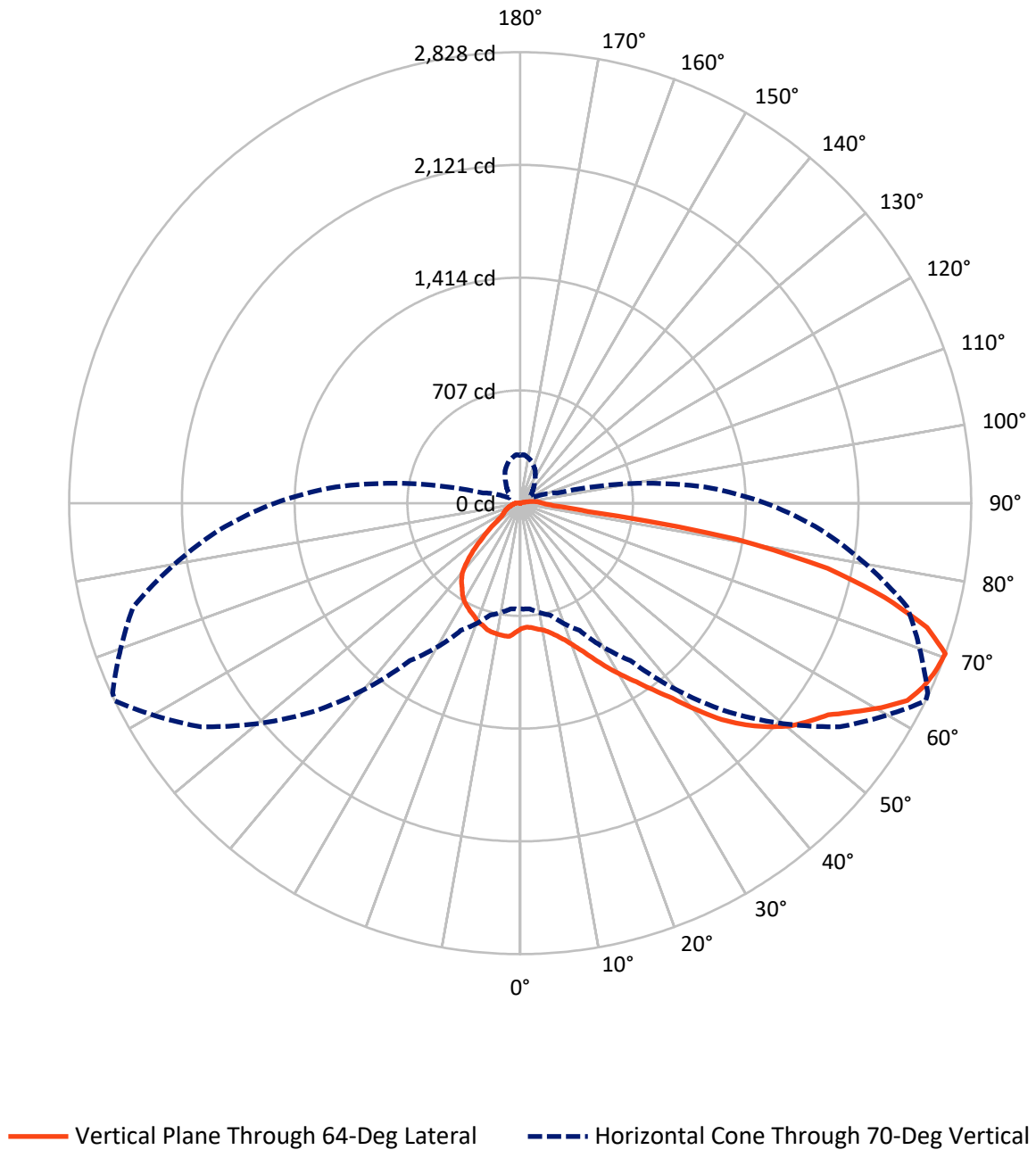
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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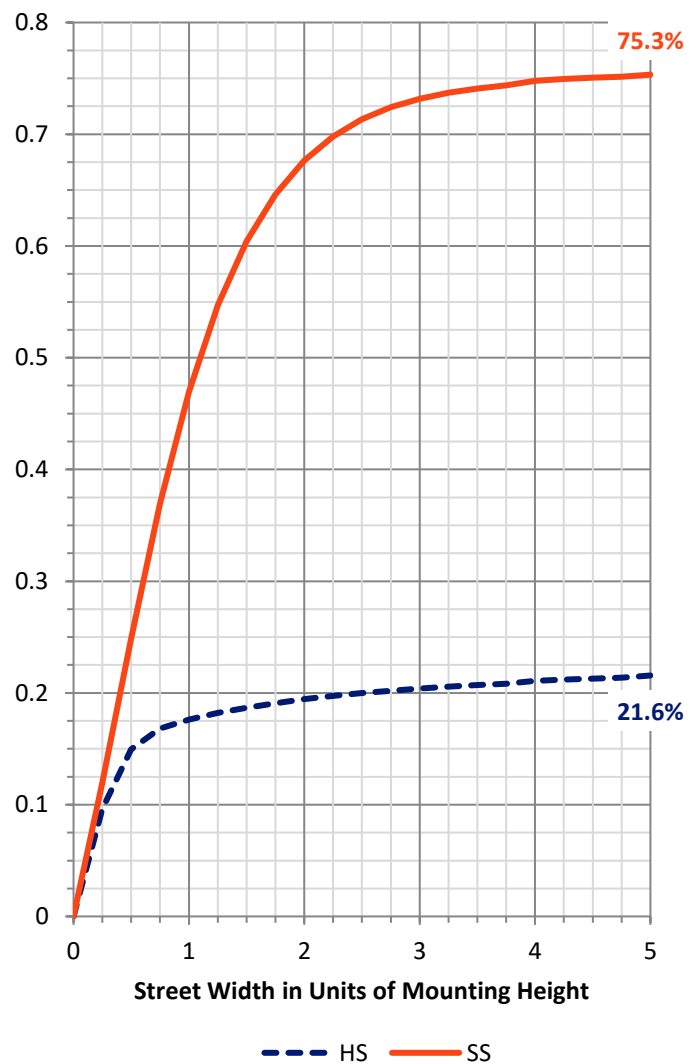
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1196.2	32.4	1228.5
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	3976.6	41.8	4018.4
	% Fixture	75.8	0.8	76.6
Total	Lumens	5172.8	74.2	5247.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	1.5
10°-20°	244.3	4.7
20°-30°	423.8	8.1
30°-40°	615.0	11.7
40°-50°	825.3	15.7
50°-60°	997.9	19.0
60°-70°	1074.2	20.5
70°-80°	737.8	14.1
80°-90°	176.0	3.4
90°-100°	63.7	1.2
100°-110°	8.0	0.2
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5172.8	98.6
0°-180°	5247.0	100.0

Coefficient of Utilization



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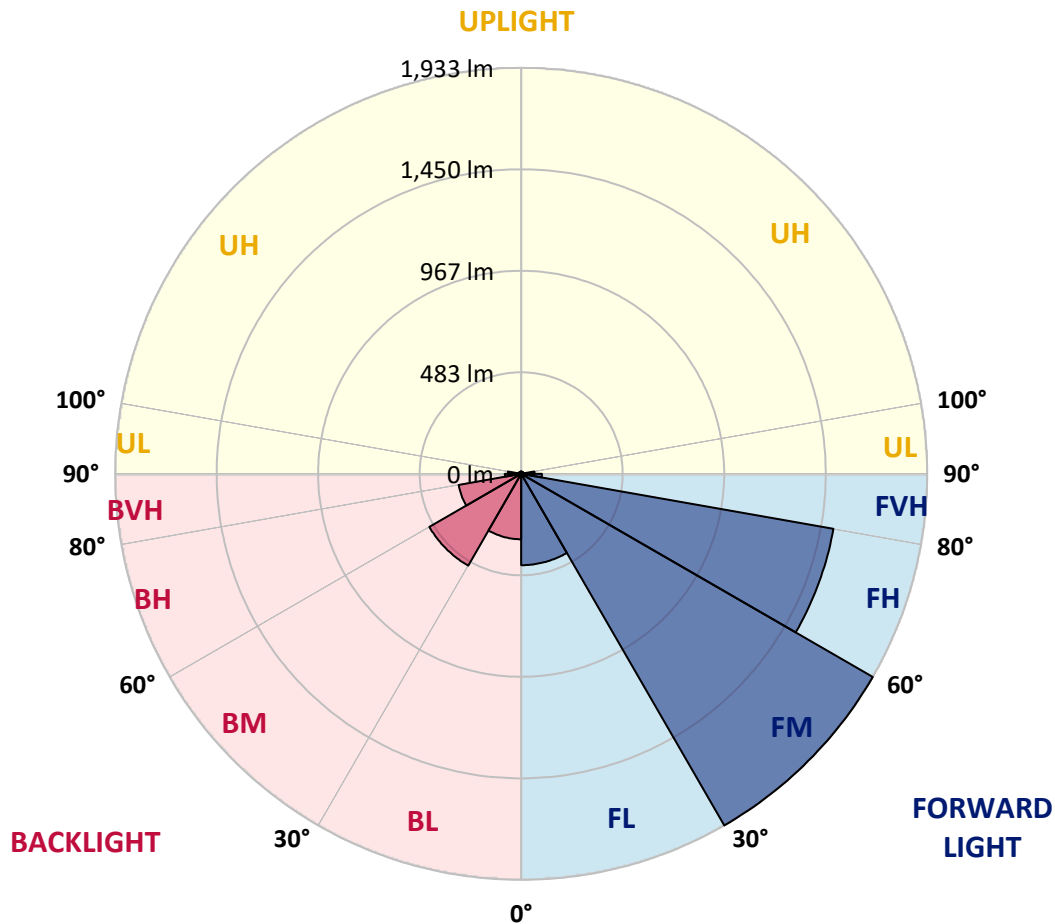
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	435.0	8.3			
FM	(30°-60°)	1933.4	36.8			
FH	(60°-80°)	1509.7	28.8			G1/1800
FVH	(80°-90°)	98.5	1.9			G1/100
BL	(0°-30°)	311.5	5.9	B1/500		
BM	(30°-60°)	504.8	9.6	B1/1000		
BH	(60°-80°)	302.3	5.8	B1/500		G1/500
BVH	(80°-90°)	77.6	1.5			G1/100
UL	(90°-100°)	63.7	1.2		U3/500	
UH	(100°-180°)	10.5	0.2		U2/50	

BUG Rating: B1-U3-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	787.5	787.5	787.5	787.5	787.5	787.5	787.5	787.5	787.5	787.5	787.5
2.5°	780.6	780.6	778.9	778.9	780.6	782.3	780.6	778.9	780.6	782.3	787.5
5°	811.5	809.8	808.1	801.2	794.3	789.2	785.7	784.0	785.7	792.6	804.7
7.5°	832.2	830.4	830.4	828.7	821.8	808.1	799.5	797.8	797.8	799.5	815.0
10°	875.1	871.7	864.8	852.8	845.9	828.7	813.2	809.8	809.8	813.2	832.2
12.5°	921.6	914.7	916.4	902.7	882.0	863.1	840.8	832.2	828.7	832.2	842.5
15°	985.2	980.0	966.3	950.8	930.2	904.4	876.9	863.1	861.4	866.5	858.0
17.5°	1031.6	1024.7	1026.4	1004.1	986.9	952.5	926.7	900.9	900.9	907.8	885.5
20°	1079.7	1076.3	1081.5	1076.3	1050.5	1019.6	981.7	950.8	945.6	949.1	916.4
22.5°	1141.6	1136.5	1136.5	1138.2	1117.6	1086.6	1041.9	1011.0	1009.3	995.5	950.8
25°	1205.3	1200.1	1198.4	1201.8	1198.4	1162.3	1115.9	1084.9	1079.7	1060.8	997.2
27.5°	1265.4	1265.4	1267.2	1270.6	1275.7	1246.5	1201.8	1167.4	1167.4	1146.8	1059.1
30°	1310.1	1310.1	1325.6	1332.5	1337.6	1330.8	1282.6	1250.0	1253.4	1225.9	1129.6
32.5°	1351.4	1353.1	1370.3	1387.5	1392.7	1397.8	1356.6	1335.9	1335.9	1310.1	1205.3
35°	1392.7	1392.7	1416.7	1451.1	1468.3	1463.2	1444.2	1437.4	1439.1	1433.9	1317.0
37.5°	1425.3	1428.8	1464.9	1507.9	1531.9	1540.5	1530.2	1552.6	1573.2	1588.7	1463.2
40°	1458.0	1458.0	1492.4	1538.8	1581.8	1605.9	1619.6	1703.9	1719.3	1724.5	1545.7
42.5°	1423.6	1432.2	1504.4	1573.2	1628.2	1669.5	1731.4	1856.9	1875.8	1817.3	1657.4
45°	1390.9	1401.3	1473.5	1588.7	1667.8	1750.3	1856.9	1984.1	1999.6	1911.9	1724.5
47.5°	1358.3	1370.3	1449.4	1574.9	1703.9	1839.7	1954.9	2095.9	2102.8	1989.3	1800.1
50°	1323.9	1335.9	1420.2	1559.4	1726.2	1930.8	2052.9	2197.3	2197.3	2058.0	1844.9
52.5°	1280.9	1294.7	1380.6	1535.4	1743.4	1992.7	2142.3	2271.2	2257.5	2140.6	1894.7
55°	1225.9	1244.8	1335.9	1501.0	1750.3	2025.4	2199.0	2343.5	2340.0	2242.0	1958.3
57.5°	1167.4	1182.9	1280.9	1456.3	1743.4	2047.7	2259.2	2469.0	2474.1	2329.7	2008.2
60°	1102.1	1112.4	1207.0	1394.4	1698.7	2087.3	2395.0	2603.1	2610.0	2410.5	2027.1
62.5°	1016.1	1023.0	1112.4	1310.1	1638.5	2113.1	2493.0	2725.2	2721.7	2482.7	2030.5
65°	907.8	916.4	1000.7	1198.4	1549.1	2095.9	2517.1	2778.5	2781.9	2517.1	2025.4
67.5°	802.9	808.1	878.6	1050.5	1404.7	2013.3	2493.0	2809.4	2824.9	2546.3	1975.5
70°	663.7	665.4	727.3	880.3	1205.3	1855.2	2444.9	2828.3	2819.7	2512.0	1889.6
72.5°	510.6	512.4	558.8	674.0	937.0	1580.1	2274.7	2668.4	2652.9	2322.8	1703.9
75°	362.8	369.7	397.2	472.8	627.6	1153.7	1946.3	2362.4	2372.7	2066.6	1420.2
77.5°	206.3	213.2	235.5	295.7	361.1	646.5	1470.0	1970.4	1977.2	1738.3	1090.1
80°	89.4	91.1	99.7	141.0	192.6	309.5	753.1	1380.6	1480.4	1181.2	622.4
82.5°	75.7	75.7	79.1	82.5	84.2	141.0	292.3	428.1	441.9	349.0	202.9
85°	65.3	65.3	68.8	72.2	73.9	96.3	177.1	214.9	223.5	199.4	142.7
87.5°	51.6	51.6	56.7	60.2	60.2	79.1	132.4	159.9	165.1	159.9	127.2
90°	46.4	46.4	44.7	44.7	46.4	56.7	103.2	134.1	139.3	170.2	146.1
92.5°	39.5	41.3	41.3	41.3	36.1	41.3	73.9	118.6	129.0	168.5	132.4
95°	39.5	37.8	37.8	36.1	34.4	36.1	55.0	103.2	115.2	146.1	111.8
97.5°	27.5	25.8	27.5	29.2	30.9	32.7	46.4	75.7	84.2	113.5	82.5
100°	17.2	17.2	17.2	17.2	20.6	22.4	37.8	46.4	51.6	72.2	55.0
102.5°	10.3	8.6	8.6	8.6	10.3	13.8	18.9	25.8	27.5	41.3	32.7
105°	3.4	3.4	3.4	3.4	5.2	6.9	6.9	10.3	10.3	13.8	13.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7

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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	1.7	1.7
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	1.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	1.7
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7
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°	787.5	787.5	787.5	787.5	787.5	787.5	787.5	787.5	787.5	787.5	787.5
2.5°	790.9	794.3	801.2	809.8	820.1	828.7	835.6	837.3	840.8	840.8	844.2
5°	808.1	815.0	825.3	837.3	842.5	839.0	839.0	840.8	844.2	852.8	856.2
7.5°	827.0	832.2	832.2	837.3	847.6	844.2	842.5	840.8	840.8	837.3	842.5
10°	833.9	827.0	835.6	833.9	830.4	837.3	839.0	828.7	830.4	830.4	832.2
12.5°	835.6	835.6	828.7	828.7	828.7	813.2	809.8	818.4	809.8	813.2	811.5
15°	854.5	840.8	832.2	821.8	808.1	802.9	790.9	777.1	777.1	780.6	780.6
17.5°	868.3	854.5	828.7	801.2	796.1	772.0	763.4	759.9	758.2	759.9	763.4
20°	888.9	868.3	825.3	797.8	753.1	744.5	729.0	727.3	723.8	711.8	708.4
22.5°	916.4	883.7	823.6	768.5	732.4	703.2	675.7	658.5	656.8	648.2	643.0
25°	947.4	914.7	830.4	754.8	694.6	651.6	629.3	589.7	570.8	577.7	574.3
27.5°	1011.0	950.8	842.5	735.9	663.7	596.6	545.0	521.0	496.9	496.9	500.3
30°	1069.4	997.2	842.5	718.7	612.1	531.3	464.2	426.4	416.1	409.2	405.8
32.5°	1157.1	1055.7	878.6	694.6	563.9	447.0	371.4	326.7	328.4	335.3	333.6
35°	1258.6	1148.5	888.9	660.2	493.5	362.8	287.1	263.1	276.8	280.3	280.3
37.5°	1380.6	1262.0	935.3	632.7	419.5	268.2	227.0	216.6	228.7	227.0	233.8
40°	1447.7	1317.0	974.9	598.3	321.5	197.7	175.4	168.5	187.4	202.9	206.3
42.5°	1542.2	1382.3	1012.7	533.0	218.4	144.4	134.1	156.5	184.0	201.2	202.9
45°	1593.8	1420.2	997.2	452.2	139.3	116.9	130.7	158.2	187.4	204.6	206.3
47.5°	1655.7	1470.0	969.7	352.5	111.8	115.2	132.4	161.6	192.6	208.0	208.0
50°	1717.6	1519.9	902.7	276.8	104.9	113.5	135.8	163.3	190.8	201.2	201.2
52.5°	1753.7	1562.9	823.6	201.2	103.2	113.5	137.5	165.1	189.1	194.3	194.3
55°	1786.4	1566.3	754.8	149.6	101.4	115.2	139.3	168.5	190.8	196.0	194.3
57.5°	1805.3	1544.0	706.6	129.0	99.7	115.2	141.0	171.9	204.6	216.6	213.2
60°	1795.0	1509.6	670.5	120.4	98.0	115.2	142.7	182.2	259.6	280.3	273.4
62.5°	1777.8	1485.5	594.9	110.0	94.6	115.2	144.4	206.3	288.8	299.2	290.6
65°	1755.4	1415.0	508.9	99.7	91.1	113.5	146.1	223.5	275.1	275.1	273.4
67.5°	1662.6	1320.5	380.0	89.4	86.0	113.5	149.6	220.1	264.8	287.1	287.1
70°	1538.8	1162.3	251.0	79.1	80.8	110.0	156.5	223.5	273.4	304.3	300.9
72.5°	1303.3	964.5	139.3	68.8	73.9	108.3	156.5	237.3	295.7	330.1	325.0
75°	1064.3	713.5	99.7	61.9	67.1	104.9	158.2	245.9	316.4	352.5	343.9
77.5°	749.6	409.2	79.1	53.3	60.2	99.7	156.5	242.4	326.7	359.3	349.0
80°	316.4	147.9	65.3	48.1	51.6	89.4	144.4	232.1	326.7	380.0	374.8
82.5°	142.7	104.9	56.7	43.0	48.1	73.9	134.1	223.5	316.4	381.7	412.6
85°	111.8	86.0	48.1	37.8	43.0	70.5	120.4	213.2	302.6	352.5	386.9
87.5°	106.6	86.0	43.0	34.4	39.5	60.2	92.8	197.7	271.7	325.0	352.5
90°	115.2	89.4	34.4	29.2	36.1	53.3	75.7	166.8	235.5	285.4	285.4
92.5°	106.6	82.5	25.8	22.4	37.8	43.0	72.2	103.2	170.2	142.7	177.1
95°	89.4	68.8	17.2	15.5	36.1	36.1	39.5	48.1	118.6	3.4	0.0
97.5°	65.3	49.9	10.3	8.6	27.5	29.2	18.9	22.4	48.1	0.0	0.0
100°	48.1	32.7	6.9	6.9	17.2	24.1	12.0	12.0	0.0	0.0	0.0
102.5°	25.8	17.2	5.2	3.4	8.6	13.8	5.2	3.4	0.0	0.0	0.0
105°	13.8	6.9	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
107.5°	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691535

CATALOG NUMBER: CRTK2-C016-D-U-T3-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
122.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
130°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
132.5°	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0
135°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.7	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.7	1.7	1.7	1.7	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)