

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: P691931

Luminaire Tested: **CRTK2-C01H-D-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691931
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T5R-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9103 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

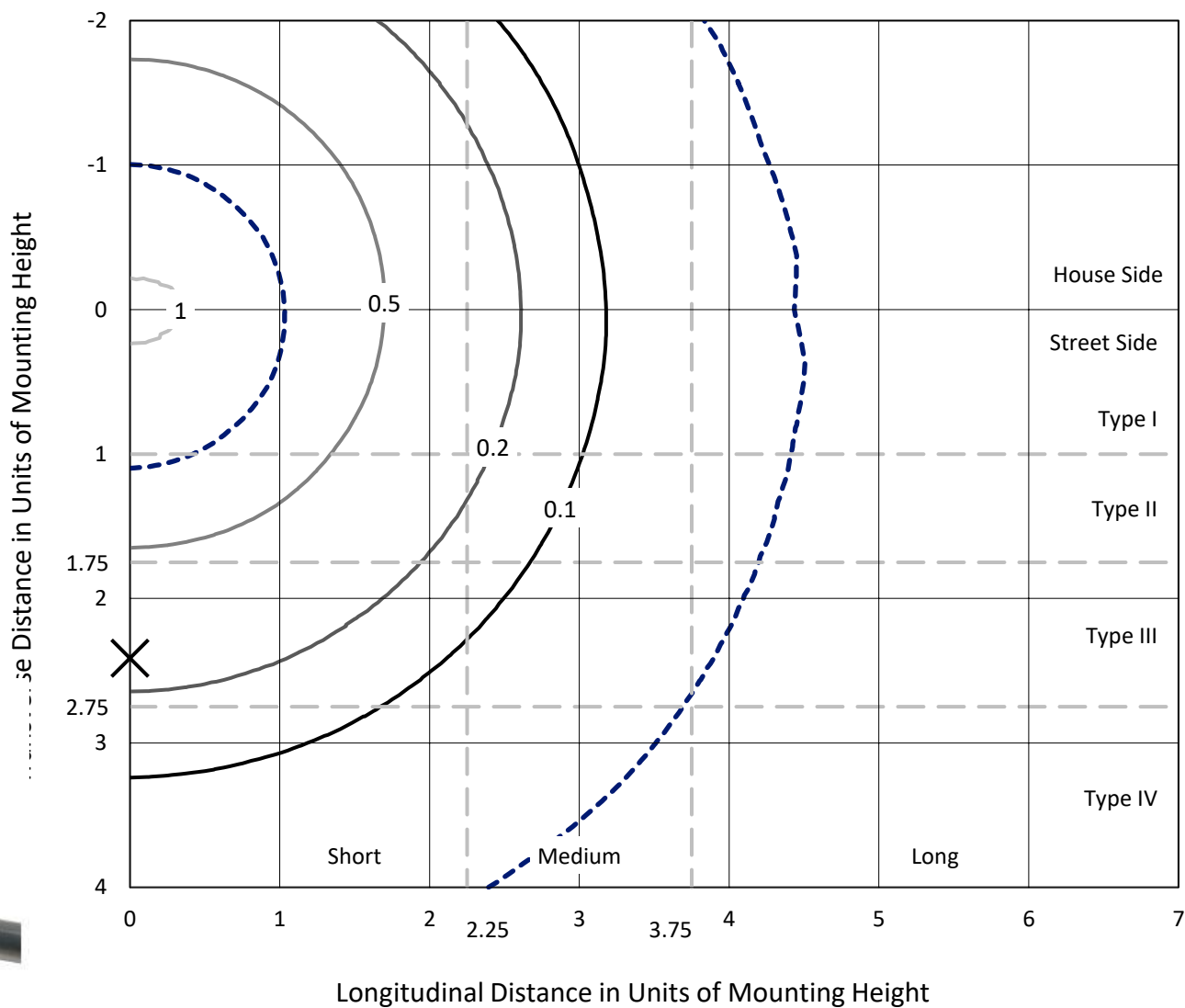
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691931
 CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027

Iso-Footcandle Lines of Horizontal Illumination

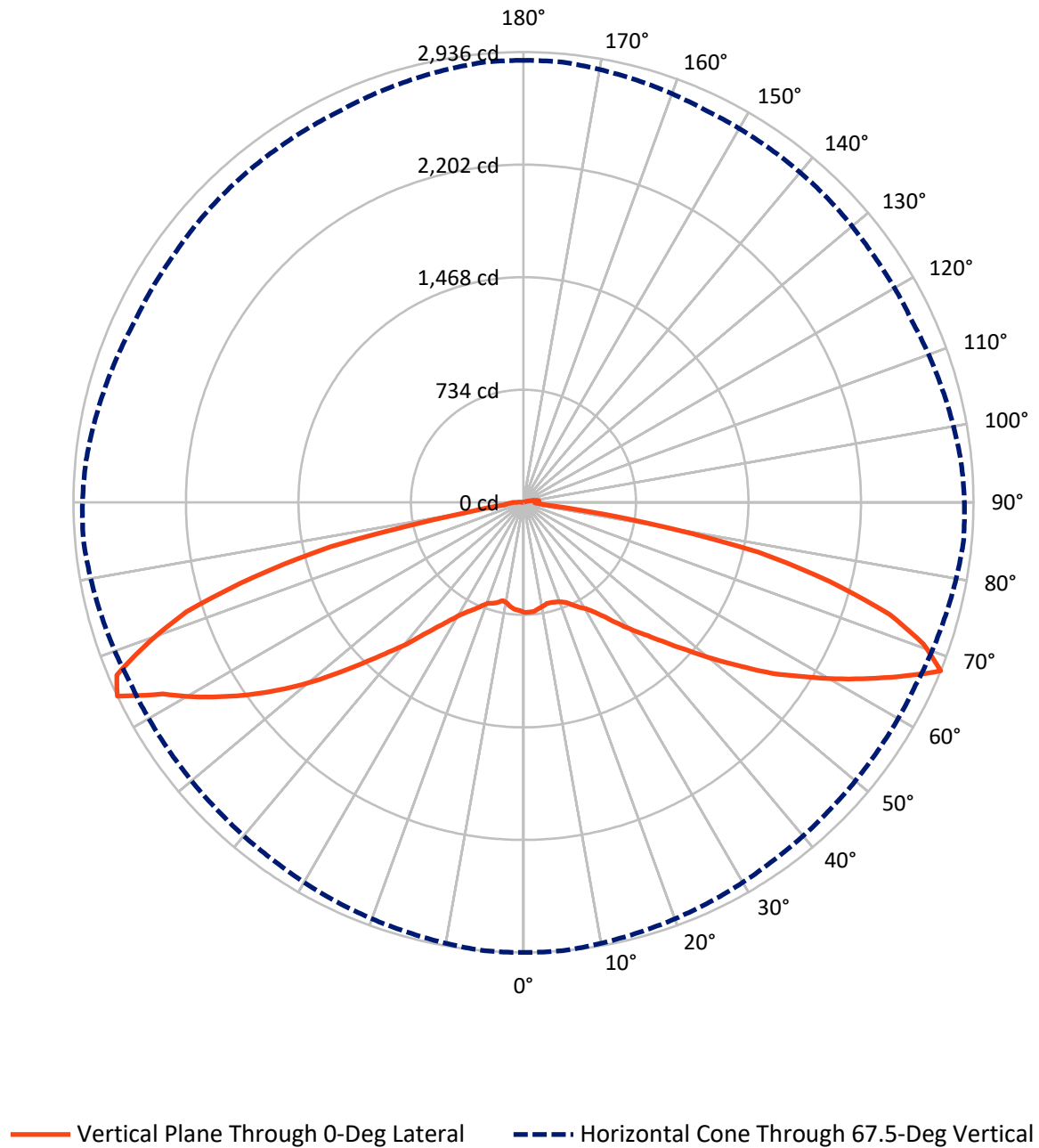
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

REPORT NUMBER: P691931
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027

Luminous Intensity Polar Plot



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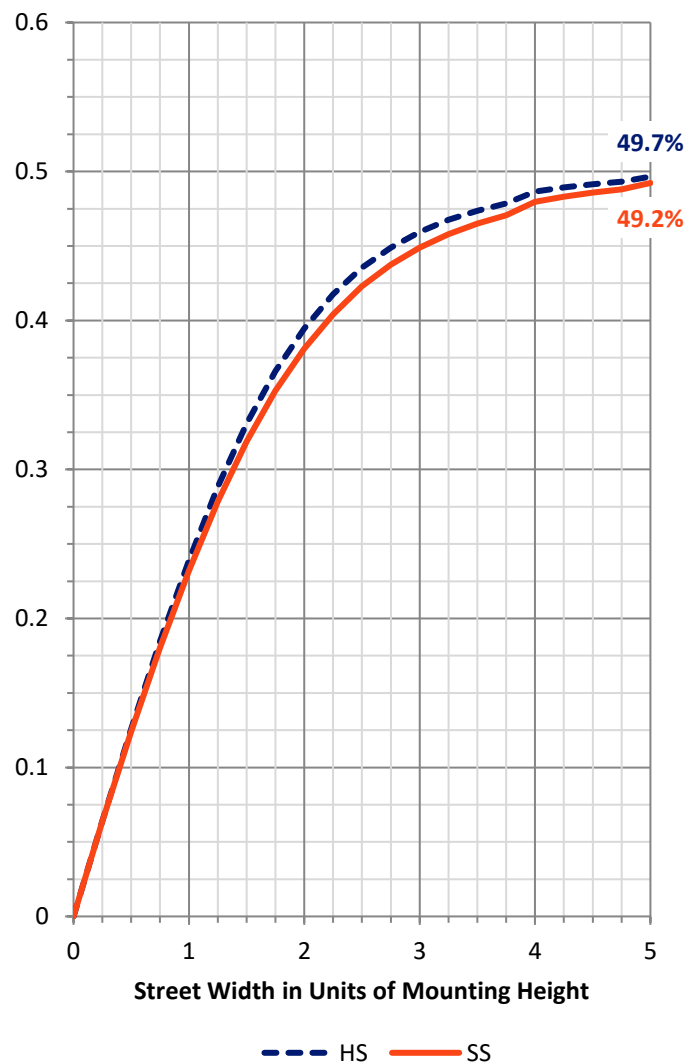
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4507.1	42.7	4549.8
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	4492.8	60.4	4553.2
	% Fixture	49.4	0.7	50.0
Total	Lumens	8999.9	103.1	9103.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	0.7
10°-20°	198.1	2.2
20°-30°	358.0	3.9
30°-40°	617.5	6.8
40°-50°	1095.4	12.0
50°-60°	1864.8	20.5
60°-70°	2671.7	29.4
70°-80°	1942.6	21.3
80°-90°	184.4	2.0
90°-100°	83.2	0.9
100°-110°	19.9	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8999.9	98.9
0°-180°	9103.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691931

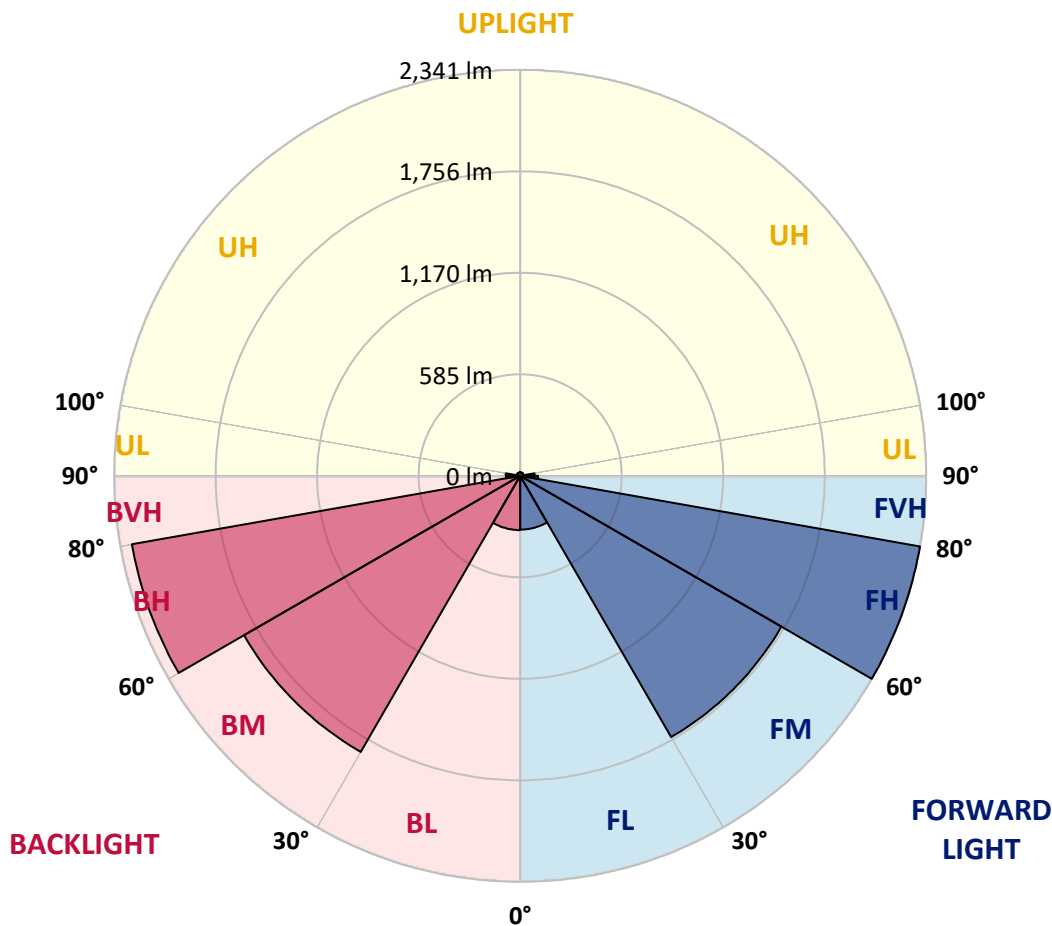
CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	310.2	3.4			
FM	(30°-60°)	1739.1	19.1			
FH	(60°-80°)	2341.0	25.7			G2/5000
FVH	(80°-90°)	102.5	1.1			G2/225
BL	(0°-30°)	313.1	3.4	B1/500		
BM	(30°-60°)	1838.6	20.2	B2/2500		
BH	(60°-80°)	2273.4	25.0	B3/2500		G2/5000
BVH	(80°-90°)	82.0	0.9			G1/100
UL	(90°-100°)	83.2	0.9		U3/500	
UH	(100°-180°)	19.9	0.2		U2/50	

BUG Rating: B3-U3-G2

Type V Short



REPORT NUMBER: P691931

CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	717.6	717.6	717.6	717.6	717.6	717.6	714.8	709.1	709.1	709.1	709.1
5°	714.8	714.8	714.8	714.8	717.6	717.6	717.6	711.9	711.9	711.9	711.9
7.5°	700.6	700.6	703.4	703.4	706.3	709.1	706.3	706.3	706.3	709.1	709.1
10°	689.2	689.2	692.1	692.1	694.9	694.9	700.6	700.6	703.4	706.3	706.3
12.5°	677.9	677.9	680.7	686.4	689.2	692.1	694.9	697.7	703.4	706.3	706.3
15°	677.9	677.9	677.9	683.6	692.1	697.7	700.6	706.3	711.9	714.8	717.6
17.5°	683.6	683.6	683.6	689.2	694.9	703.4	711.9	714.8	720.4	726.1	726.1
20°	692.1	692.1	694.9	700.6	709.1	714.8	720.4	728.9	734.6	740.3	743.1
22.5°	709.1	711.9	711.9	714.8	723.3	731.8	737.5	743.1	751.6	757.3	763.0
25°	740.3	737.5	737.5	743.1	748.8	757.3	760.1	765.8	774.3	782.8	785.7
27.5°	774.3	771.5	771.5	777.2	782.8	788.5	791.3	799.8	808.4	816.9	819.7
30°	805.5	805.5	808.4	814.0	819.7	828.2	831.0	839.6	845.2	856.6	856.6
32.5°	853.7	856.6	859.4	862.2	867.9	876.4	884.9	887.8	893.4	902.0	907.6
35°	919.0	924.6	924.6	927.5	941.7	950.2	944.5	953.0	961.5	972.9	978.5
37.5°	1004.1	1001.2	1009.7	1021.1	1023.9	1032.4	1029.6	1035.3	1046.6	1060.8	1069.3
40°	1094.8	1097.7	1097.7	1100.5	1109.0	1111.8	1123.2	1131.7	1143.0	1162.9	1168.6
42.5°	1188.4	1194.1	1199.8	1202.6	1216.8	1219.6	1228.1	1239.5	1253.7	1267.8	1273.5
45°	1304.7	1301.9	1316.1	1321.7	1335.9	1352.9	1352.9	1358.6	1381.3	1395.5	1404.0
47.5°	1443.7	1449.4	1457.9	1466.4	1489.1	1491.9	1506.1	1514.6	1528.8	1543.0	1545.8
50°	1605.4	1605.4	1613.9	1630.9	1645.1	1659.3	1667.8	1679.1	1690.5	1713.2	1724.5
52.5°	1775.6	1778.4	1789.7	1806.8	1829.4	1832.3	1840.8	1860.6	1869.2	1874.8	1894.7
55°	1968.4	1959.9	1968.4	1994.0	2019.5	2016.6	2019.5	2042.2	2056.4	2067.7	2073.4
57.5°	2144.3	2144.3	2152.8	2172.6	2178.3	2186.8	2189.7	2209.5	2226.5	2240.7	2243.6
60°	2337.1	2334.3	2340.0	2357.0	2376.9	2376.9	2374.0	2393.9	2410.9	2413.7	2433.6
62.5°	2530.0	2521.5	2527.2	2538.5	2549.9	2538.5	2549.9	2566.9	2581.1	2592.4	2598.1
65°	2731.4	2720.1	2722.9	2711.5	2694.5	2680.3	2705.9	2754.1	2796.6	2819.3	2822.2
67.5°	2935.6	2935.6	2904.4	2876.1	2847.7	2830.7	2822.2	2822.2	2850.5	2881.7	2876.1
70°	2768.3	2773.9	2748.4	2728.6	2683.2	2669.0	2660.5	2632.1	2646.3	2654.8	2635.0
72.5°	2496.0	2464.8	2453.4	2444.9	2410.9	2385.4	2357.0	2337.1	2328.6	2334.3	2311.6
75°	2062.0	2124.4	2090.4	2073.4	2050.7	2039.3	1965.6	1942.9	1940.1	1962.8	1962.8
77.5°	1568.5	1602.5	1579.8	1588.4	1554.3	1548.6	1520.3	1494.8	1474.9	1469.2	1412.5
80°	814.0	839.6	845.2	873.6	867.9	850.9	831.0	757.3	737.5	748.8	694.9
82.5°	147.5	153.2	156.0	158.8	147.5	153.2	156.0	141.8	150.3	147.5	141.8
85°	85.1	85.1	87.9	87.9	82.3	76.6	82.3	79.4	79.4	85.1	85.1
87.5°	73.7	76.6	79.4	79.4	70.9	65.2	70.9	70.9	73.7	76.6	76.6
90°	76.6	76.6	82.3	82.3	73.7	68.1	76.6	79.4	79.4	79.4	82.3
92.5°	102.1	99.3	102.1	102.1	93.6	87.9	99.3	99.3	99.3	99.3	102.1
95°	99.3	96.4	99.3	96.4	90.8	85.1	93.6	96.4	96.4	96.4	99.3
97.5°	85.1	85.1	85.1	85.1	76.6	73.7	85.1	85.1	82.3	82.3	85.1
100°	65.2	62.4	62.4	62.4	59.6	59.6	65.2	62.4	59.6	62.4	65.2
102.5°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	39.7	39.7	39.7	45.4
105°	25.5	25.5	22.7	22.7	22.7	22.7	22.7	19.9	19.9	19.9	25.5
107.5°	8.5	8.5	5.7	5.7	5.7	5.7	5.7	2.8	2.8	2.8	8.5
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691931
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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	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

REPORT NUMBER: P691931

CATALOG NUMBER: CRTK2-C01H-D-U-T5R-8027

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	711.9	711.9	714.8	711.9	711.9	709.1	706.3	703.4	706.3	706.3
5°	711.9	714.8	711.9	709.1	706.3	703.4	703.4	697.7	697.7	700.6
7.5°	709.1	714.8	709.1	706.3	697.7	694.9	692.1	686.4	686.4	686.4
10°	706.3	706.3	703.4	692.1	686.4	677.9	675.1	669.4	666.5	663.7
12.5°	706.3	706.3	697.7	689.2	680.7	669.4	666.5	660.9	658.0	655.2
15°	714.8	717.6	711.9	700.6	686.4	683.6	675.1	672.2	669.4	675.1
17.5°	728.9	726.1	720.4	709.1	700.6	697.7	686.4	686.4	683.6	689.2
20°	743.1	737.5	731.8	726.1	714.8	709.1	709.1	700.6	703.4	697.7
22.5°	760.1	763.0	754.5	746.0	737.5	734.6	731.8	731.8	728.9	728.9
25°	788.5	788.5	782.8	774.3	768.6	763.0	760.1	763.0	757.3	765.8
27.5°	822.5	819.7	819.7	814.0	805.5	802.7	799.8	802.7	799.8	799.8
30°	856.6	862.2	856.6	853.7	848.1	848.1	845.2	845.2	848.1	845.2
32.5°	910.5	913.3	913.3	910.5	904.8	902.0	902.0	904.8	910.5	907.6
35°	981.4	984.2	989.9	995.6	995.6	989.9	984.2	981.4	984.2	984.2
37.5°	1075.0	1077.8	1083.5	1083.5	1080.6	1077.8	1080.6	1086.3	1075.0	1075.0
40°	1171.4	1168.6	1174.2	1179.9	1182.8	1179.9	1177.1	1182.8	1188.4	1196.9
42.5°	1279.2	1284.9	1287.7	1299.0	1304.7	1304.7	1301.9	1310.4	1313.2	1313.2
45°	1406.8	1421.0	1415.3	1435.2	1452.2	1455.0	1446.5	1452.2	1446.5	1452.2
47.5°	1554.3	1565.7	1577.0	1594.0	1602.5	1608.2	1605.4	1611.0	1616.7	1616.7
50°	1721.7	1730.2	1750.0	1772.7	1786.9	1786.9	1775.6	1786.9	1798.2	1795.4
52.5°	1897.5	1914.5	1934.4	1954.2	1965.6	1968.4	1968.4	1976.9	1974.1	1974.1
55°	2081.9	2096.1	2121.6	2132.9	2147.1	2152.8	2152.8	2155.6	2152.8	2152.8
57.5°	2257.7	2274.8	2294.6	2317.3	2331.5	2337.1	2331.5	2331.5	2331.5	2325.8
60°	2439.3	2450.6	2470.5	2487.5	2496.0	2507.3	2507.3	2504.5	2501.7	2498.8
62.5°	2606.6	2612.3	2617.9	2620.8	2629.3	2652.0	2652.0	2666.2	2666.2	2663.3
65°	2825.0	2799.5	2776.8	2782.5	2802.3	2822.2	2839.2	2895.9	2924.3	2935.6
67.5°	2867.5	2830.7	2796.6	2793.8	2805.1	2810.8	2819.3	2850.5	2881.7	2881.7
70°	2617.9	2595.3	2564.1	2578.2	2586.7	2578.2	2589.6	2609.4	2637.8	2612.3
72.5°	2294.6	2257.7	2280.4	2294.6	2280.4	2269.1	2274.8	2271.9	2291.8	2311.6
75°	1937.2	1860.6	1860.6	1860.6	1866.3	1840.8	1840.8	1843.6	1880.5	1829.4
77.5°	1435.2	1381.3	1367.1	1310.4	1304.7	1270.7	1293.4	1279.2	1313.2	1293.4
80°	669.4	646.7	638.2	581.5	570.1	479.3	513.4	456.7	473.7	425.5
82.5°	139.0	136.1	133.3	119.1	107.8	93.6	110.6	124.8	127.6	124.8
85°	87.9	90.8	90.8	85.1	79.4	70.9	85.1	104.9	110.6	110.6
87.5°	76.6	79.4	79.4	76.6	70.9	62.4	70.9	79.4	82.3	79.4
90°	82.3	85.1	82.3	79.4	73.7	65.2	73.7	76.6	62.4	65.2
92.5°	99.3	99.3	96.4	96.4	93.6	82.3	90.8	73.7	28.4	8.5
95°	96.4	93.6	93.6	90.8	87.9	73.7	73.7	19.9	0.0	0.0
97.5°	82.3	76.6	76.6	73.7	73.7	62.4	45.4	0.0	0.0	0.0
100°	62.4	53.9	53.9	51.1	51.1	42.5	17.0	0.0	0.0	0.0
102.5°	42.5	34.0	31.2	28.4	28.4	25.5	2.8	0.0	0.0	0.0
105°	22.7	14.2	11.3	8.5	8.5	5.7	0.0	0.0	0.0	0.0
107.5°	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

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

(END OF REPORT)