

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: P691227

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4308 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G1

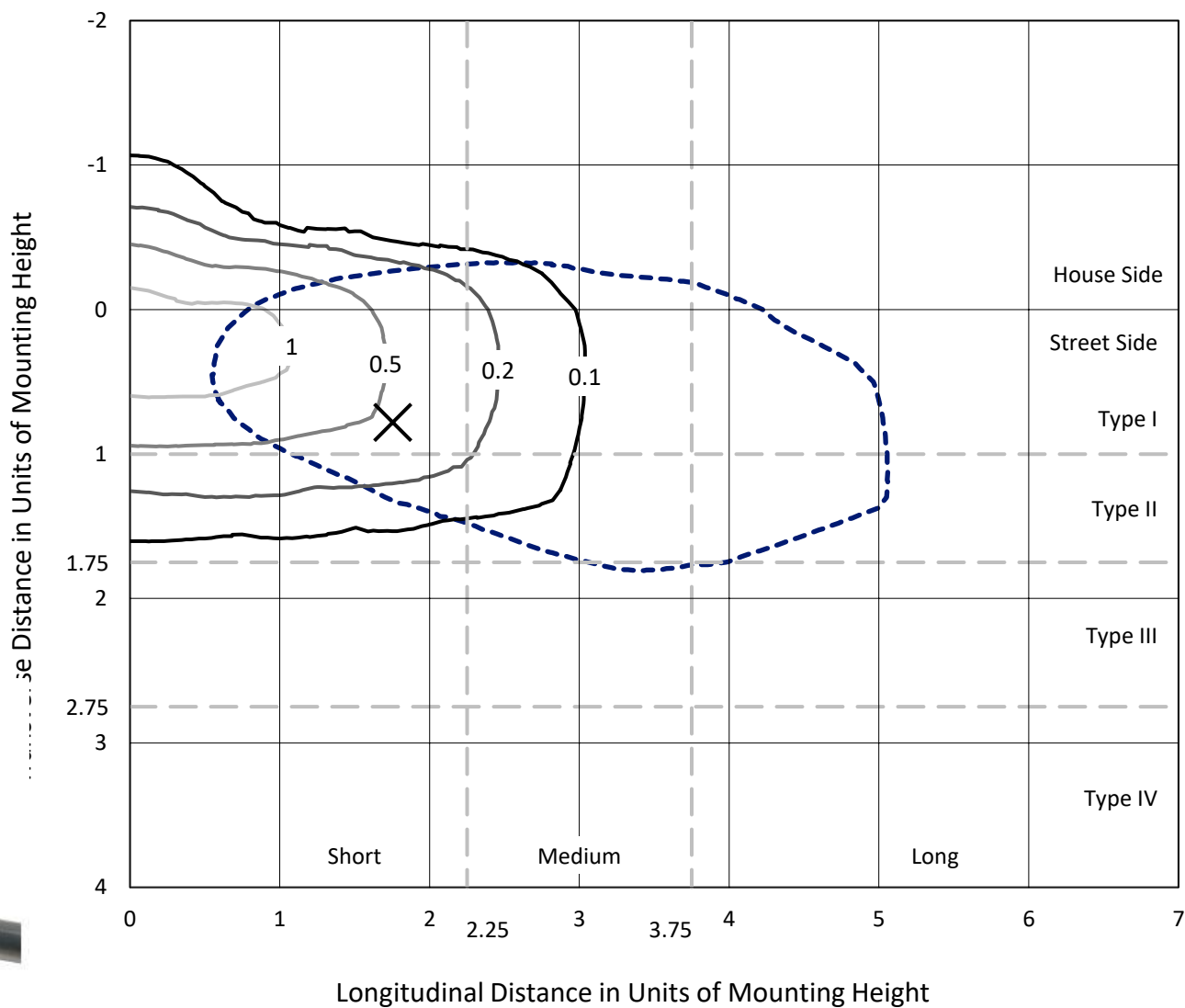
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

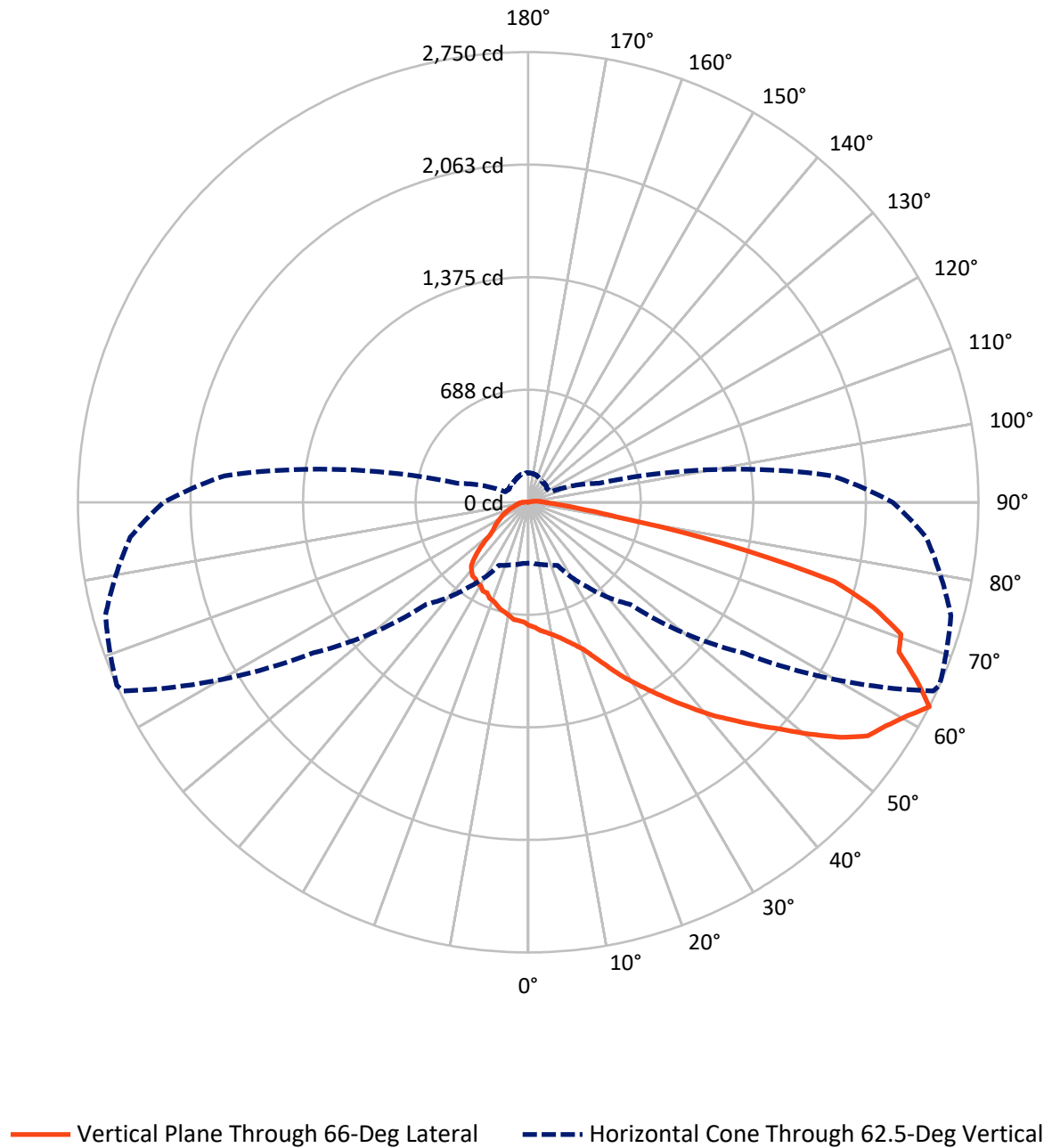
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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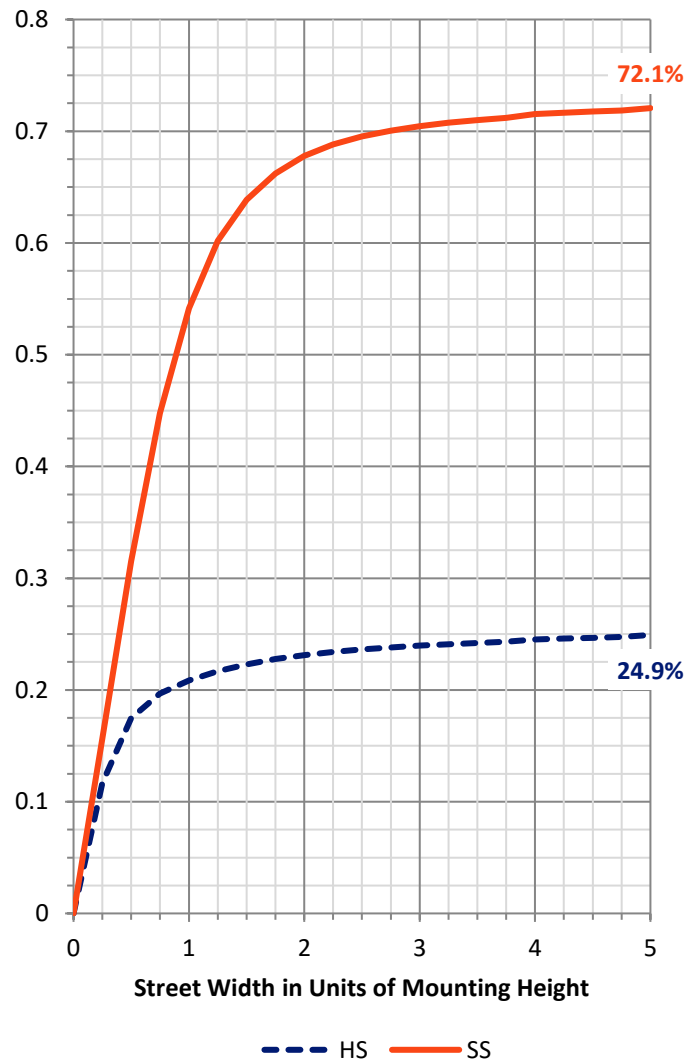
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1121.3	30.9	1152.3
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	3125.0	30.7	3155.7
	% Fixture	72.5	0.7	73.3
Total	Lumens	4246.4	61.6	4308.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	1.7
10°-20°	216.6	5.0
20°-30°	366.5	8.5
30°-40°	536.2	12.4
40°-50°	700.9	16.3
50°-60°	815.6	18.9
60°-70°	816.0	18.9
70°-80°	563.0	13.1
80°-90°	159.1	3.7
90°-100°	52.5	1.2
100°-110°	7.2	0.2
110°-120°	0.4	0.0
120°-130°	0.4	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4246.4	98.6
0°-180°	4308.0	100.0

Coefficient of Utilization



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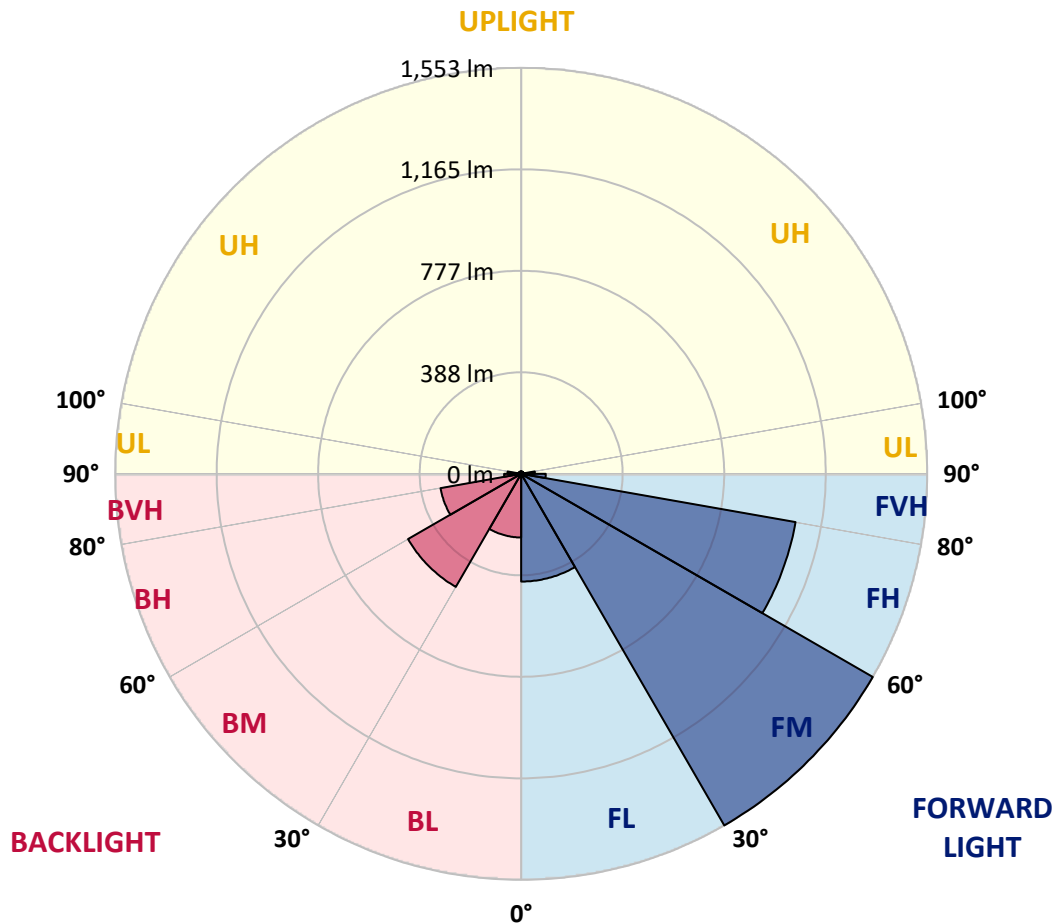
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	412.1	9.6			
FM	(30°-60°)	1553.2	36.1			
FH	(60°-80°)	1065.8	24.7			G1/1800
FVH	(80°-90°)	94.0	2.2			G1/100
BL	(0°-30°)	243.4	5.6	B1/500		
BM	(30°-60°)	499.6	11.6	B1/1000		
BH	(60°-80°)	313.2	7.3	B1/500		G1/500
BVH	(80°-90°)	65.2	1.5			G1/100
UL	(90°-100°)	52.5	1.2		U3/500	
UH	(100°-180°)	9.1	0.2		U1/10	

BUG Rating: B1-U3-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7
2.5°	791.3	789.9	789.9	782.7	775.6	774.1	769.9	764.1	764.1	759.8	752.7
5°	838.5	837.1	838.5	828.5	818.5	809.9	795.6	788.5	787.0	777.0	762.7
7.5°	871.5	870.0	868.6	860.0	855.7	847.1	827.1	805.6	802.8	792.8	774.1
10°	884.3	885.8	892.9	878.6	870.0	862.9	851.4	825.7	822.8	799.9	771.3
12.5°	918.7	920.1	915.8	898.6	895.8	890.1	871.5	850.0	847.1	818.5	778.4
15°	954.5	954.5	948.7	938.7	931.6	925.8	902.9	880.0	878.6	844.3	797.0
17.5°	970.2	973.1	974.5	961.6	958.7	957.3	945.9	917.2	914.4	881.5	822.8
20°	980.2	981.6	983.1	981.6	983.1	981.6	987.4	964.5	957.3	923.0	851.4
22.5°	1000.2	1003.1	1013.1	1013.1	1017.4	1027.4	1023.1	1026.0	1023.1	981.6	900.1
25°	1010.3	1014.6	1027.4	1043.2	1061.8	1073.2	1089.0	1100.4	1101.8	1064.6	974.5
27.5°	994.5	1004.5	1037.4	1061.8	1104.7	1134.8	1172.0	1190.6	1193.4	1157.6	1054.6
30°	1014.6	1014.6	1034.6	1068.9	1121.9	1192.0	1249.2	1277.8	1280.7	1253.5	1134.8
32.5°	977.3	985.9	1031.7	1097.5	1173.4	1253.5	1309.3	1365.1	1372.3	1363.7	1249.2
35°	973.1	977.3	1006.0	1074.7	1176.2	1310.8	1388.0	1461.0	1475.3	1478.2	1359.4
37.5°	933.0	938.7	991.7	1077.5	1216.3	1350.8	1449.6	1569.8	1582.6	1602.7	1455.3
40°	882.9	891.5	934.4	1030.3	1204.9	1398.0	1515.4	1684.2	1702.8	1727.2	1581.2
42.5°	817.1	832.8	905.8	1008.8	1199.1	1413.8	1578.3	1798.7	1815.9	1841.6	1687.1
45°	761.3	765.6	824.2	931.6	1153.4	1435.3	1637.0	1927.5	1939.0	1951.8	1773.0
47.5°	711.2	719.8	769.9	870.0	1104.7	1431.0	1688.5	2049.1	2069.2	2107.8	1877.4
50°	562.4	582.4	724.1	817.1	1030.3	1418.1	1731.5	2192.2	2225.1	2239.5	1996.2
52.5°	486.5	492.3	563.8	765.6	947.3	1375.2	1768.7	2348.2	2385.4	2352.5	2139.3
55°	449.3	455.0	488.0	661.1	882.9	1287.9	1797.3	2495.6	2518.5	2441.2	2245.2
57.5°	429.3	433.6	450.8	535.2	804.2	1149.1	1800.1	2568.6	2577.2	2511.3	2299.6
60°	394.9	399.2	429.3	466.5	716.9	1001.7	1750.1	2610.1	2654.4	2597.2	2404.0
62.5°	372.0	374.9	394.9	425.0	632.5	881.5	1604.1	2728.8	2750.3	2673.0	2439.8
65°	343.4	346.3	364.9	392.1	578.1	814.2	1541.1	2680.2	2601.5	2654.4	2487.0
67.5°	310.5	314.8	332.0	354.9	488.0	748.4	1359.4	2498.5	2442.6	2560.0	2363.9
70°	280.5	283.3	301.9	314.8	400.7	662.5	1129.0	2356.8	2415.5	2414.0	2252.3
72.5°	247.6	250.4	266.2	277.6	334.8	560.9	895.8	2193.7	2210.8	2149.3	1993.3
75°	213.2	214.6	229.0	240.4	274.7	449.3	653.9	1814.5	1933.2	2054.9	1724.3
77.5°	171.7	176.0	187.5	193.2	220.4	359.2	426.4	1074.7	1227.8	1807.3	1541.1
80°	128.8	128.8	137.4	140.2	163.1	267.6	269.0	518.0	556.6	1149.1	1144.8
82.5°	81.6	85.9	94.4	93.0	110.2	153.1	170.3	287.6	309.1	455.0	508.0
85°	65.8	67.3	73.0	68.7	73.0	83.0	95.9	181.7	188.9	277.6	276.2
87.5°	54.4	55.8	60.1	57.2	58.7	63.0	74.4	121.6	124.5	178.9	184.6
90°	41.5	42.9	48.7	47.2	45.8	51.5	61.5	93.0	97.3	141.7	151.7
92.5°	27.2	27.2	31.5	31.5	31.5	37.2	54.4	71.5	74.4	128.8	135.9
95°	20.0	20.0	21.5	22.9	21.5	27.2	40.1	64.4	70.1	120.2	117.3
97.5°	12.9	12.9	14.3	15.7	14.3	17.2	22.9	45.8	51.5	93.0	91.6
100°	8.6	8.6	8.6	8.6	8.6	8.6	12.9	30.1	34.3	58.7	57.2
102.5°	5.7	5.7	5.7	5.7	4.3	4.3	5.7	14.3	15.7	31.5	30.1
105°	1.4	1.4	2.9	2.9	2.9	1.4	1.4	5.7	7.2	12.9	12.9
107.5°	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	1.4	1.4
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
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	1.4
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	1.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	1.4	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	1.4	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7	752.7
2.5°	749.8	745.5	738.4	731.2	726.9	722.6	715.5	709.8	709.8	716.9	716.9
5°	752.7	744.1	729.8	724.1	716.9	706.9	695.4	686.9	682.6	688.3	689.7
7.5°	759.8	747.0	732.7	719.8	695.4	676.8	666.8	655.4	653.9	659.7	662.5
10°	754.1	741.2	724.1	699.7	674.0	659.7	641.1	626.8	626.8	622.5	625.3
12.5°	759.8	742.7	708.3	682.6	659.7	628.2	605.3	591.0	589.6	593.8	593.8
15°	774.1	748.4	704.0	672.6	635.3	603.9	581.0	565.2	569.5	560.9	562.4
17.5°	791.3	752.7	704.0	649.7	608.2	578.1	546.6	528.0	529.5	530.9	532.3
20°	812.8	764.1	696.9	632.5	582.4	539.5	503.7	489.4	485.1	488.0	489.4
22.5°	845.7	789.9	694.0	623.9	546.6	505.1	473.6	445.0	442.2	442.2	442.2
25°	900.1	828.5	706.9	595.3	528.0	465.1	429.3	402.1	389.2	390.7	392.1
27.5°	983.1	890.1	719.8	596.7	485.1	429.3	384.9	354.9	347.7	349.2	350.6
30°	1070.4	973.1	752.7	568.1	460.8	374.9	329.1	307.7	299.1	294.8	296.2
32.5°	1137.6	1046.0	798.5	559.5	416.4	316.2	287.6	270.5	259.0	254.7	254.7
35°	1244.9	1117.6	835.7	538.0	370.6	279.0	256.1	237.5	231.8	229.0	229.0
37.5°	1336.5	1196.3	874.3	529.5	314.8	250.4	221.8	210.4	210.4	207.5	206.1
40°	1435.3	1279.3	895.8	503.7	271.9	220.4	191.7	190.3	194.6	194.6	194.6
42.5°	1554.0	1365.1	918.7	473.6	239.0	186.0	170.3	181.7	191.7	194.6	194.6
45°	1642.7	1419.5	928.7	409.3	206.1	161.7	167.4	178.9	191.7	196.0	194.6
47.5°	1718.6	1498.2	914.4	330.6	177.4	157.4	164.6	174.6	190.3	196.0	196.0
50°	1794.4	1565.5	904.4	239.0	166.0	157.4	164.6	168.9	186.0	193.2	193.2
52.5°	1906.0	1618.4	864.3	200.3	157.4	158.8	167.4	167.4	183.2	191.7	196.0
55°	2049.1	1740.0	788.5	187.5	154.5	157.4	168.9	168.9	180.3	188.9	191.7
57.5°	2107.8	1783.0	658.2	176.0	151.7	157.4	164.6	167.4	181.7	187.5	186.0
60°	2185.1	1853.1	539.5	164.6	146.0	154.5	158.8	168.9	180.3	181.7	180.3
62.5°	2226.6	1861.7	446.5	153.1	141.7	150.3	151.7	163.1	174.6	178.9	180.3
65°	2249.5	1853.1	330.6	141.7	137.4	144.5	146.0	156.0	167.4	170.3	171.7
67.5°	2166.5	1794.4	229.0	130.2	133.1	137.4	140.2	150.3	158.8	167.4	170.3
70°	2017.7	1624.1	163.1	115.9	125.9	130.2	135.9	146.0	154.5	166.0	168.9
72.5°	1853.1	1307.9	120.2	98.7	115.9	121.6	131.6	138.8	151.7	166.0	170.3
75°	1698.5	1147.6	95.9	84.4	98.7	111.6	124.5	134.5	153.1	203.2	210.4
77.5°	1204.9	775.6	85.9	74.4	84.4	97.3	114.5	131.6	213.2	241.8	243.3
80°	874.3	456.5	77.3	65.8	73.0	78.7	104.5	161.7	236.1	223.2	223.2
82.5°	437.9	244.7	73.0	58.7	63.0	64.4	93.0	206.1	190.3	198.9	200.3
85°	211.8	118.8	60.1	51.5	54.4	52.9	87.3	196.0	180.3	181.7	178.9
87.5°	133.1	73.0	47.2	42.9	44.4	42.9	83.0	187.5	188.9	154.5	157.4
90°	120.2	85.9	37.2	34.3	30.1	35.8	74.4	174.6	184.6	111.6	93.0
92.5°	115.9	93.0	27.2	24.3	21.5	28.6	55.8	141.7	113.0	47.2	28.6
95°	103.0	81.6	22.9	17.2	20.0	24.3	35.8	94.4	75.8	0.0	0.0
97.5°	77.3	60.1	18.6	11.4	64.4	21.5	20.0	61.5	21.5	0.0	0.0
100°	48.7	37.2	14.3	8.6	73.0	14.3	12.9	35.8	0.0	0.0	0.0
102.5°	27.2	20.0	7.2	5.7	31.5	7.2	8.6	8.6	0.0	0.0	0.0
105°	11.4	10.0	2.9	2.9	2.9	1.4	4.3	0.0	0.0	0.0	0.0
107.5°	2.9	4.3	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
110°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P691227

CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
115°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
117.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
120°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
122.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
125°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	2.9	1.4	1.4	0.0	0.0	0.0	0.0	0.0
130°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
132.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
135°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
145°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
155°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
157.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
160°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
162.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
165°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
167.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.4	1.4	1.4	1.4	1.4	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)