

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: P691295

Luminaire Tested: **CRTK2-C015-D-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691295
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-D-U-T2-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4285.9 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G1

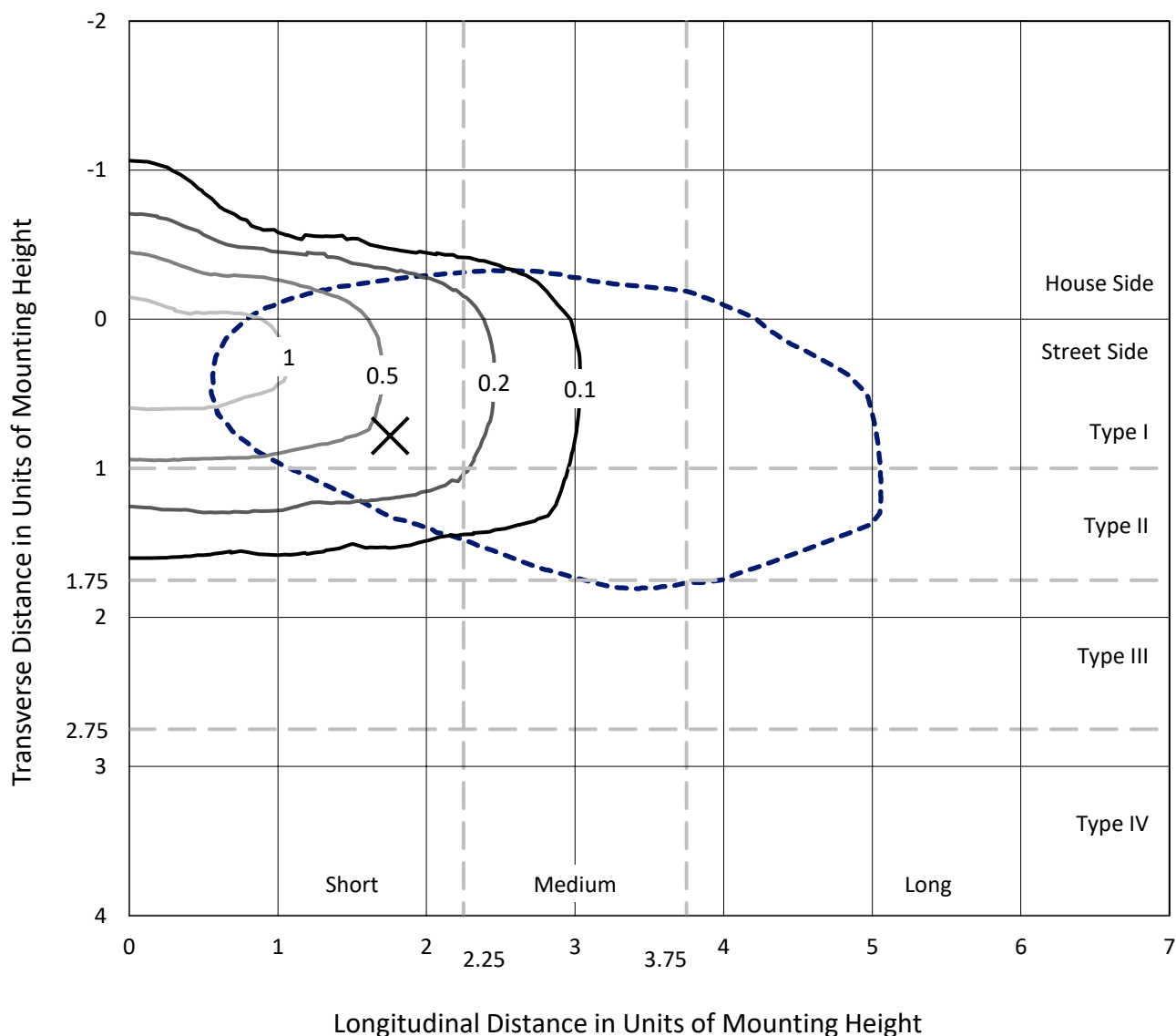
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

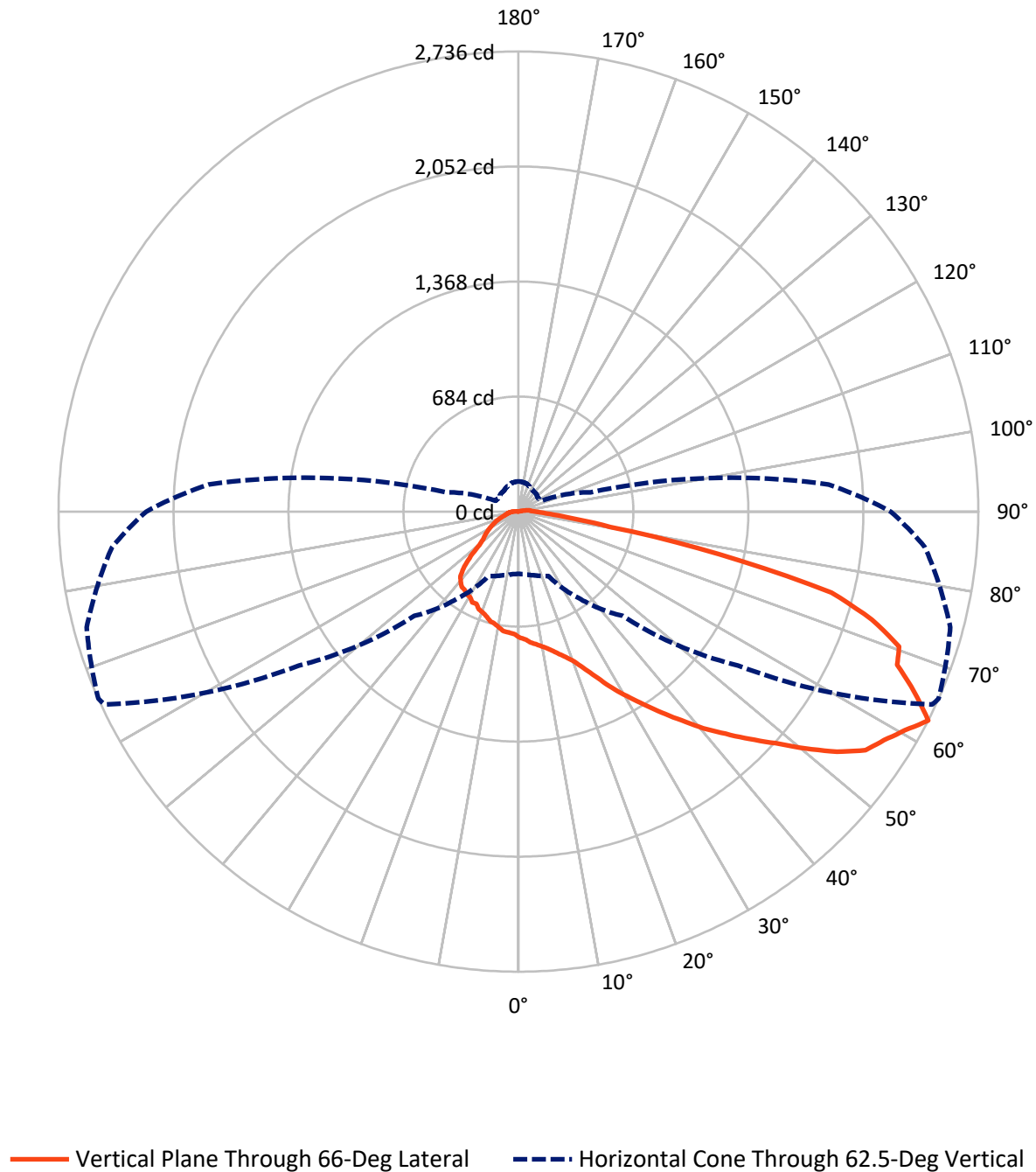
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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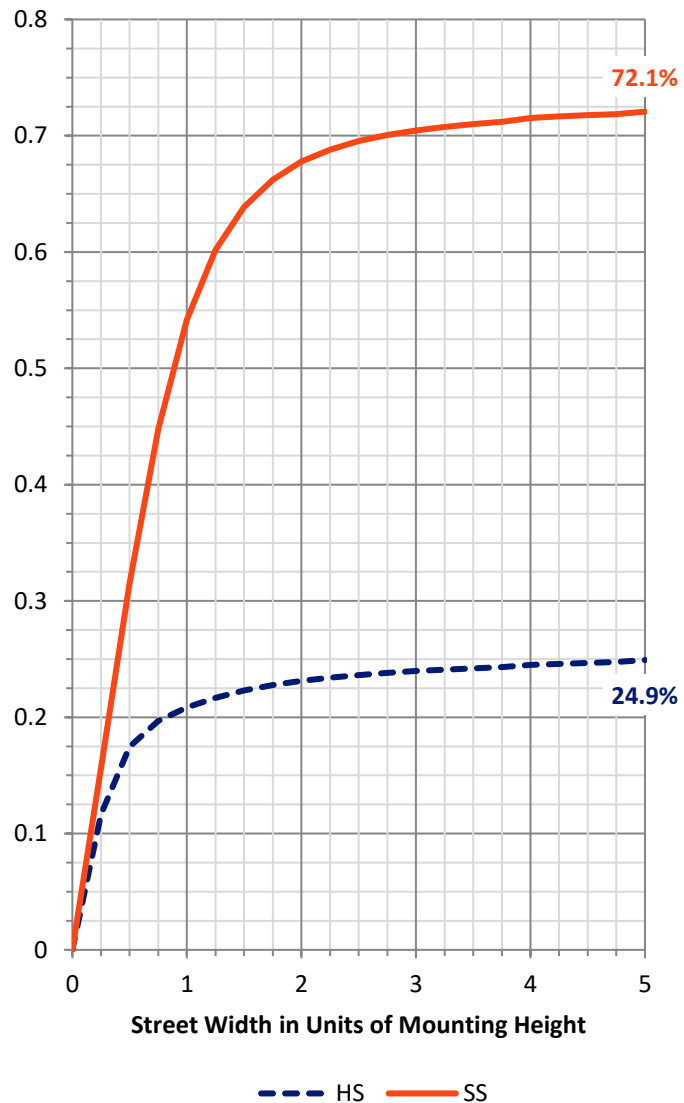
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1115.6	30.8	1146.4
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	3109.1	30.5	3139.6
	% Fixture	72.5	0.7	73.3
Total	Lumens	4224.7	61.3	4285.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.7
10°-20°	215.5	5.0
20°-30°	364.7	8.5
30°-40°	533.5	12.4
40°-50°	697.3	16.3
50°-60°	811.4	18.9
60°-70°	811.8	18.9
70°-80°	560.1	13.1
80°-90°	158.3	3.7
90°-100°	52.2	1.2
100°-110°	7.1	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°	4224.7	98.6
0°-180°	4285.9	100.0

Coefficient of Utilization



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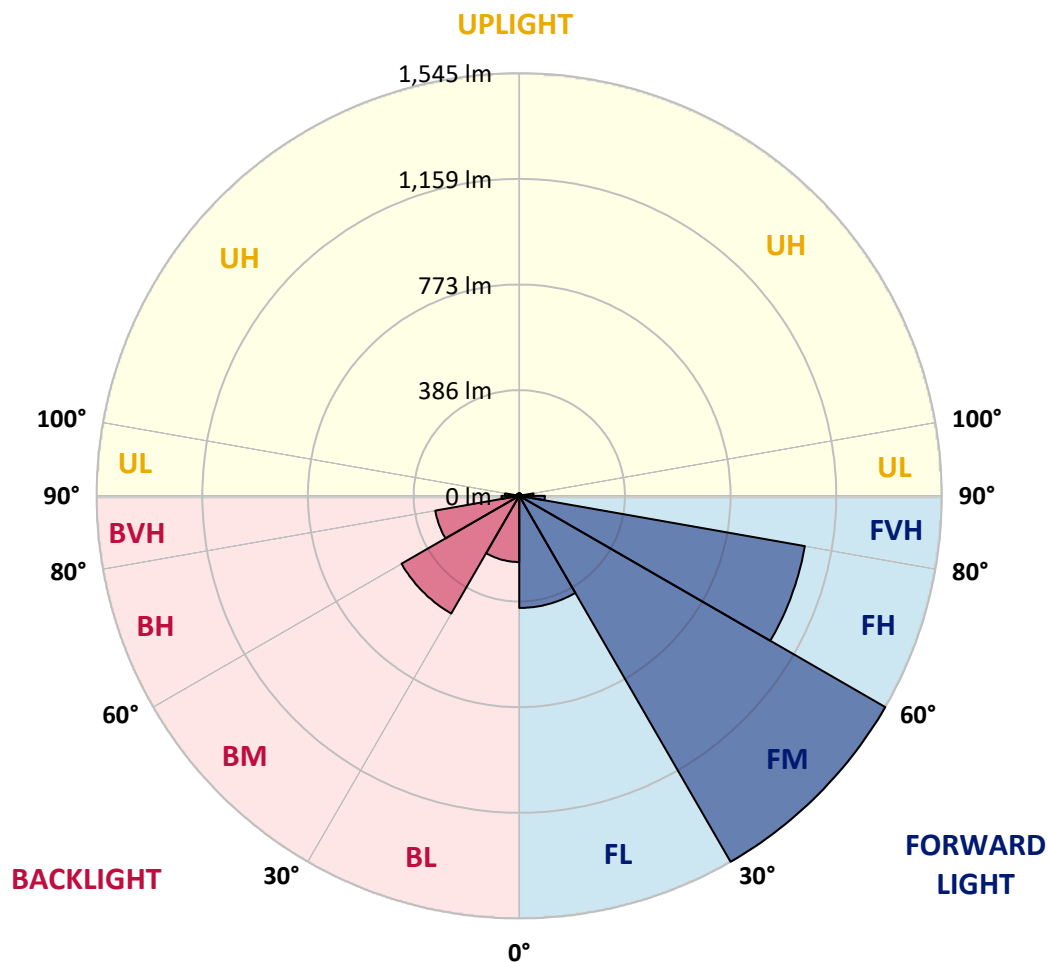
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	410.0	9.6			
FM	(30°-60°)	1545.2	36.1			
FH	(60°-80°)	1060.3	24.7			G1/1800
FVH	(80°-90°)	93.5	2.2			G1/100
BL	(0°-30°)	242.1	5.6	B1/500		
BM	(30°-60°)	497.1	11.6	B1/1000		
BH	(60°-80°)	311.6	7.3	B1/500		G1/500
BVH	(80°-90°)	64.8	1.5			G1/100
UL	(90°-100°)	52.2	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°	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8
2.5°	787.3	785.9	785.9	778.7	771.6	770.2	765.9	760.2	760.2	756.0	748.8
5°	834.3	832.8	834.3	824.3	814.3	805.8	791.6	784.4	783.0	773.0	758.8
7.5°	867.0	865.6	864.2	855.6	851.3	842.8	822.9	801.5	798.7	788.7	770.2
10°	879.8	881.2	888.4	874.1	865.6	858.5	847.1	821.4	818.6	795.8	767.3
12.5°	914.0	915.4	911.1	894.1	891.2	885.5	867.0	845.6	842.8	814.3	774.5
15°	949.6	949.6	943.9	933.9	926.8	921.1	898.3	875.5	874.1	840.0	793.0
17.5°	965.2	968.1	969.5	956.7	953.8	952.4	941.0	912.6	909.7	877.0	818.6
20°	975.2	976.6	978.0	976.6	978.0	976.6	982.3	959.5	952.4	918.3	847.1
22.5°	995.1	998.0	1007.9	1007.9	1012.2	1022.2	1017.9	1020.8	1017.9	976.6	895.5
25°	1005.1	1009.4	1022.2	1037.8	1056.3	1067.7	1083.4	1094.8	1096.2	1059.2	969.5
27.5°	989.4	999.4	1032.1	1056.3	1099.1	1129.0	1166.0	1184.5	1187.3	1151.7	1049.2
30°	1009.4	1009.4	1029.3	1063.5	1116.1	1185.9	1242.8	1271.3	1274.2	1247.1	1129.0
32.5°	972.4	980.9	1026.5	1091.9	1167.4	1247.1	1302.6	1358.2	1365.3	1356.7	1242.8
35°	968.1	972.4	1000.8	1069.2	1170.2	1304.1	1380.9	1453.5	1467.8	1470.6	1352.5
37.5°	928.2	933.9	986.6	1072.0	1210.1	1343.9	1442.2	1561.7	1574.6	1594.5	1447.9
40°	878.4	886.9	929.6	1025.0	1198.7	1390.9	1507.6	1675.6	1694.1	1718.3	1573.1
42.5°	812.9	828.6	901.2	1003.7	1193.0	1406.6	1570.3	1789.5	1806.6	1832.2	1678.5
45°	757.4	761.7	820.0	926.8	1147.5	1427.9	1628.7	1917.7	1929.0	1941.9	1763.9
47.5°	707.6	716.1	765.9	865.6	1099.1	1423.7	1679.9	2038.7	2058.6	2097.0	1867.8
50°	559.5	579.4	720.4	812.9	1025.0	1410.8	1722.6	2181.0	2213.8	2228.0	1986.0
52.5°	484.0	489.7	560.9	761.7	942.5	1368.1	1759.6	2336.2	2373.2	2340.5	2128.4
55°	447.0	452.7	485.5	657.7	878.4	1281.3	1788.1	2482.8	2505.6	2428.8	2233.7
57.5°	427.1	431.4	448.5	532.4	800.1	1143.2	1791.0	2555.5	2564.0	2498.5	2287.8
60°	392.9	397.2	427.1	464.1	713.2	996.6	1741.1	2596.7	2640.9	2583.9	2391.7
62.5°	370.1	373.0	392.9	422.8	629.3	877.0	1595.9	2714.9	2736.3	2659.4	2427.3
65°	341.7	344.5	363.0	390.1	575.2	810.1	1533.3	2666.5	2588.2	2640.9	2474.3
67.5°	308.9	313.2	330.3	353.1	485.5	744.6	1352.5	2485.7	2430.2	2546.9	2351.9
70°	279.0	281.9	300.4	313.2	398.6	659.2	1123.3	2344.8	2403.1	2401.7	2240.8
72.5°	246.3	249.1	264.8	276.2	333.1	558.1	891.2	2182.5	2199.5	2138.3	1983.1
75°	212.1	213.5	227.8	239.2	273.3	447.0	650.6	1805.2	1923.4	2044.4	1715.5
77.5°	170.8	175.1	186.5	192.2	219.2	357.3	424.2	1069.2	1221.5	1798.1	1533.3
80°	128.1	128.1	136.7	139.5	162.3	266.2	267.6	515.4	553.8	1143.2	1138.9
82.5°	81.1	85.4	94.0	92.5	109.6	152.3	169.4	286.2	307.5	452.7	505.4
85°	65.5	66.9	72.6	68.3	72.6	82.6	95.4	180.8	187.9	276.2	274.8
87.5°	54.1	55.5	59.8	56.9	58.4	62.6	74.0	121.0	123.9	178.0	183.7
90°	41.3	42.7	48.4	47.0	45.6	51.3	61.2	92.5	96.8	140.9	150.9
92.5°	27.0	27.0	31.3	31.3	31.3	37.0	54.1	71.2	74.0	128.1	135.2
95°	19.9	19.9	21.4	22.8	21.4	27.0	39.9	64.1	69.8	119.6	116.7
97.5°	12.8	12.8	14.2	15.7	14.2	17.1	22.8	45.6	51.3	92.5	91.1
100°	8.5	8.5	8.5	8.5	8.5	8.5	12.8	29.9	34.2	58.4	56.9
102.5°	5.7	5.7	5.7	5.7	4.3	4.3	5.7	14.2	15.7	31.3	29.9
105°	1.4	1.4	2.8	2.8	2.8	1.4	1.4	5.7	7.1	12.8	12.8
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°	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8	748.8
2.5°	746.0	741.7	734.6	727.5	723.2	718.9	711.8	706.1	706.1	713.2	713.2
5°	748.8	740.3	726.1	720.4	713.2	703.3	691.9	683.4	679.1	684.8	686.2
7.5°	756.0	743.1	728.9	716.1	691.9	673.4	663.4	652.0	650.6	656.3	659.2
10°	750.3	737.5	720.4	696.2	670.5	656.3	637.8	623.6	623.6	619.3	622.1
12.5°	756.0	738.9	704.7	679.1	656.3	625.0	602.2	588.0	586.5	590.8	590.8
15°	770.2	744.6	700.4	669.1	632.1	600.8	578.0	562.3	566.6	558.1	559.5
17.5°	787.3	748.8	700.4	646.3	605.1	575.2	543.8	525.3	526.8	528.2	529.6
20°	808.6	760.2	693.3	629.3	579.4	536.7	501.1	486.9	482.6	485.5	486.9
22.5°	841.4	785.9	690.5	620.7	543.8	502.5	471.2	442.8	439.9	439.9	439.9
25°	895.5	824.3	703.3	592.2	525.3	462.7	427.1	400.0	387.2	388.7	390.1
27.5°	978.0	885.5	716.1	593.7	482.6	427.1	383.0	353.1	345.9	347.4	348.8
30°	1064.9	968.1	748.8	565.2	458.4	373.0	327.4	306.1	297.5	293.3	294.7
32.5°	1131.8	1040.7	794.4	556.6	414.3	314.6	286.2	269.1	257.7	253.4	253.4
35°	1238.6	1111.9	831.4	535.3	368.7	277.6	254.8	236.3	230.6	227.8	227.8
37.5°	1329.7	1190.2	869.9	526.8	313.2	249.1	220.7	209.3	209.3	206.4	205.0
40°	1427.9	1272.7	891.2	501.1	270.5	219.2	190.8	189.3	193.6	193.6	193.6
42.5°	1546.1	1358.2	914.0	471.2	237.7	185.1	169.4	180.8	190.8	193.6	193.6
45°	1634.4	1412.3	924.0	407.2	205.0	160.9	166.6	178.0	190.8	195.0	193.6
47.5°	1709.8	1490.6	909.7	328.9	176.5	156.6	163.7	173.7	189.3	195.0	195.0
50°	1785.3	1557.5	899.7	237.7	165.1	156.6	163.7	168.0	185.1	192.2	192.2
52.5°	1896.3	1610.2	859.9	199.3	156.6	158.0	166.6	166.6	182.2	190.8	195.0
55°	2038.7	1731.2	784.4	186.5	153.8	156.6	168.0	168.0	179.4	187.9	190.8
57.5°	2097.0	1773.9	654.9	175.1	150.9	156.6	163.7	166.6	180.8	186.5	185.1
60°	2173.9	1843.6	536.7	163.7	145.2	153.8	158.0	168.0	179.4	180.8	179.4
62.5°	2215.2	1852.2	444.2	152.3	140.9	149.5	150.9	162.3	173.7	178.0	179.4
65°	2238.0	1843.6	328.9	140.9	136.7	143.8	145.2	155.2	166.6	169.4	170.8
67.5°	2155.4	1785.3	227.8	129.6	132.4	136.7	139.5	149.5	158.0	166.6	169.4
70°	2007.3	1615.8	162.3	115.3	125.3	129.6	135.2	145.2	153.8	165.1	168.0
72.5°	1843.6	1301.2	119.6	98.2	115.3	121.0	131.0	138.1	150.9	165.1	169.4
75°	1689.9	1141.8	95.4	84.0	98.2	111.0	123.9	133.8	152.3	202.2	209.3
77.5°	1198.7	771.6	85.4	74.0	84.0	96.8	113.9	131.0	212.1	240.6	242.0
80°	869.9	454.1	76.9	65.5	72.6	78.3	103.9	160.9	234.9	222.1	222.1
82.5°	435.6	243.4	72.6	58.4	62.6	64.1	92.5	205.0	189.3	197.9	199.3
85°	210.7	118.2	59.8	51.3	54.1	52.7	86.8	195.0	179.4	180.8	178.0
87.5°	132.4	72.6	47.0	42.7	44.1	42.7	82.6	186.5	187.9	153.8	156.6
90°	119.6	85.4	37.0	34.2	29.9	35.6	74.0	173.7	183.7	111.0	92.5
92.5°	115.3	92.5	27.0	24.2	21.4	28.5	55.5	140.9	112.5	47.0	28.5
95°	102.5	81.1	22.8	17.1	19.9	24.2	35.6	94.0	75.5	0.0	0.0
97.5°	76.9	59.8	18.5	11.4	64.1	21.4	19.9	61.2	21.4	0.0	0.0
100°	48.4	37.0	14.2	8.5	72.6	14.2	12.8	35.6	0.0	0.0	0.0
102.5°	27.0	19.9	7.1	5.7	31.3	7.1	8.5	8.5	0.0	0.0	0.0
105°	11.4	10.0	2.8	2.8	2.8	1.4	4.3	0.0	0.0	0.0	0.0
107.5°	2.8	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



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 CATALOG NUMBER: CRTK2-C015-D-U-T2-7030

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	2.8	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)