

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: P691335

Luminaire Tested: **CRTK2-C015-D-U-T3-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691335
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-C015-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: 4473.1 lumens
Efficiency: N/A
Efficacy: 149.6 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): 29.9
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



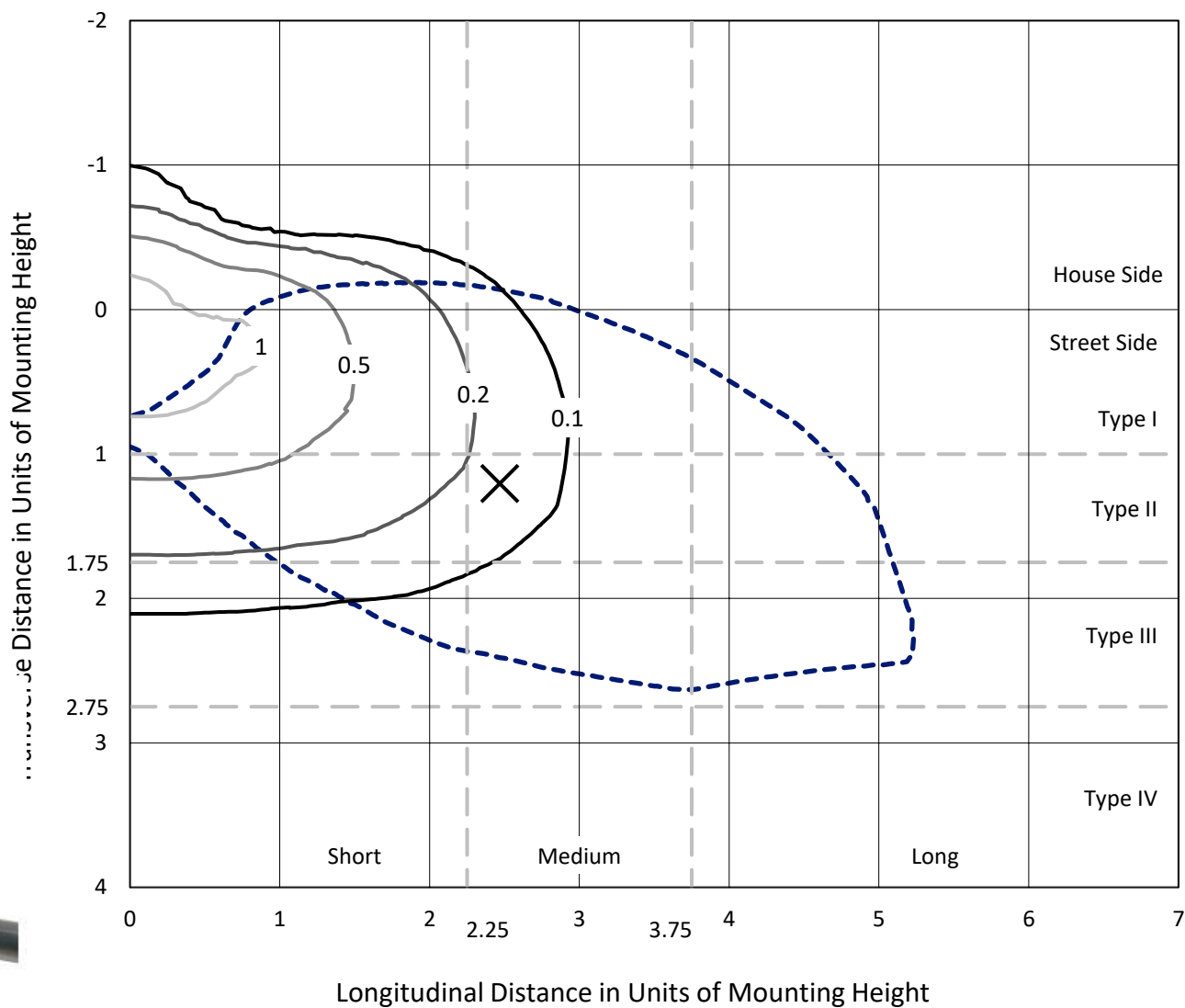
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

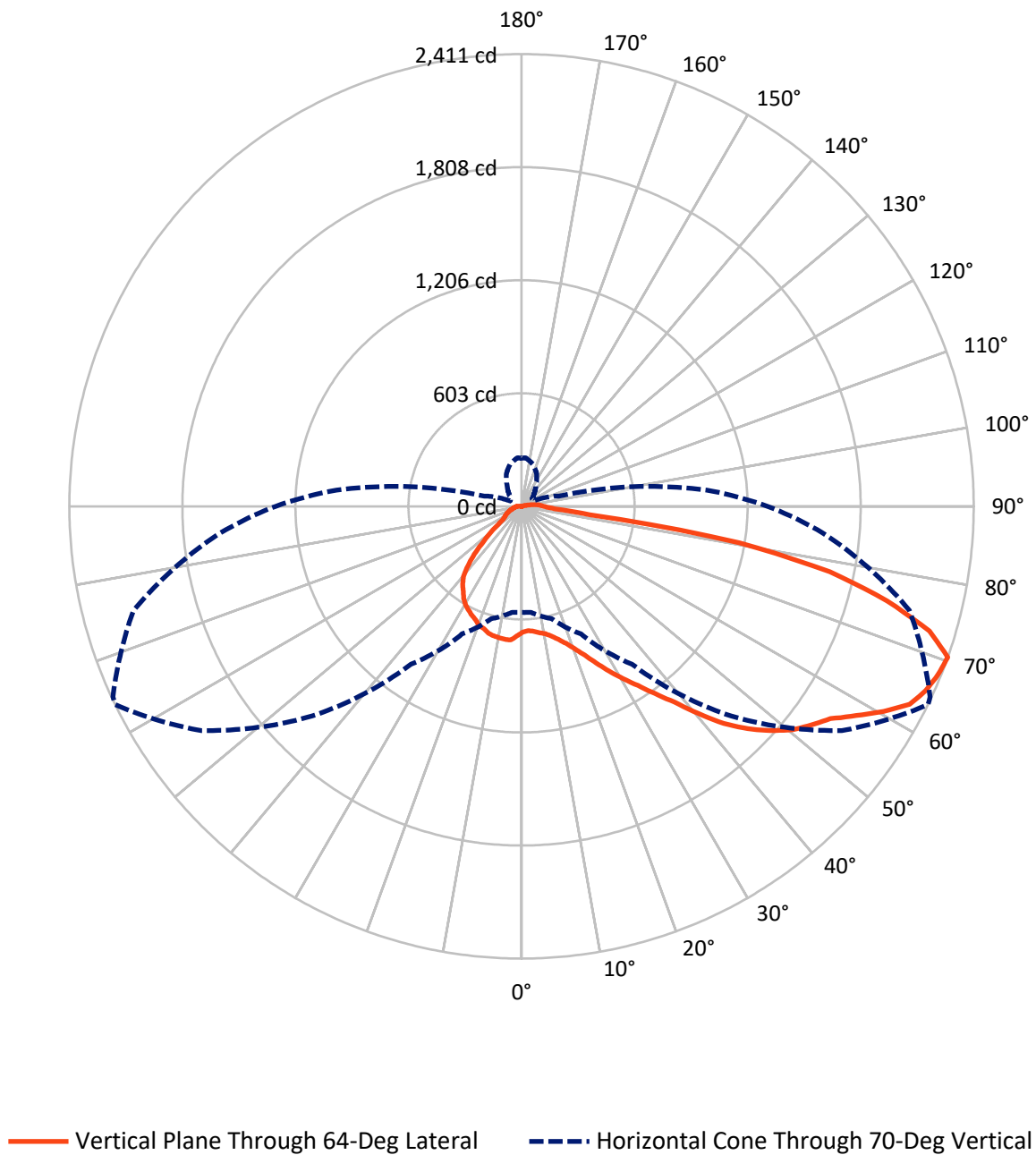
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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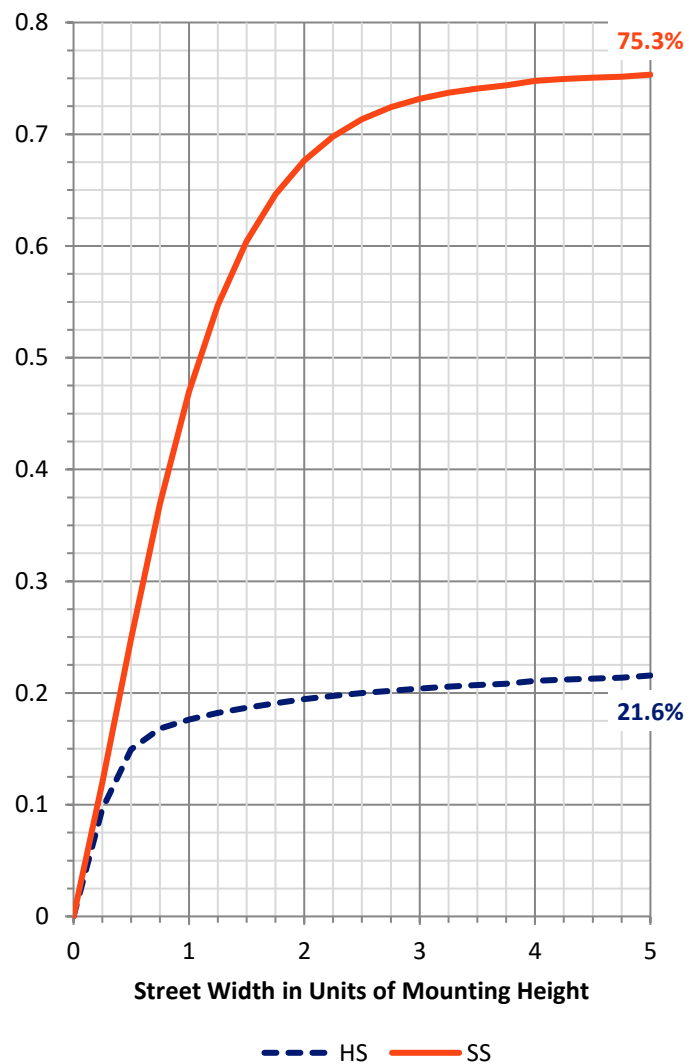
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1019.7	27.7	1047.4
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	3390.0	35.7	3425.7
	% Fixture	75.8	0.8	76.6
Total	Lumens	4409.7	63.4	4473.1
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	1.5
10°-20°	208.3	4.7
20°-30°	361.3	8.1
30°-40°	524.3	11.7
40°-50°	703.6	15.7
50°-60°	850.7	19.0
60°-70°	915.7	20.5
70°-80°	628.9	14.1
80°-90°	150.1	3.4
90°-100°	54.3	1.2
100°-110°	6.8	0.2
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	4409.7	98.6
0°-180°	4473.1	100.0

Coefficient of Utilization



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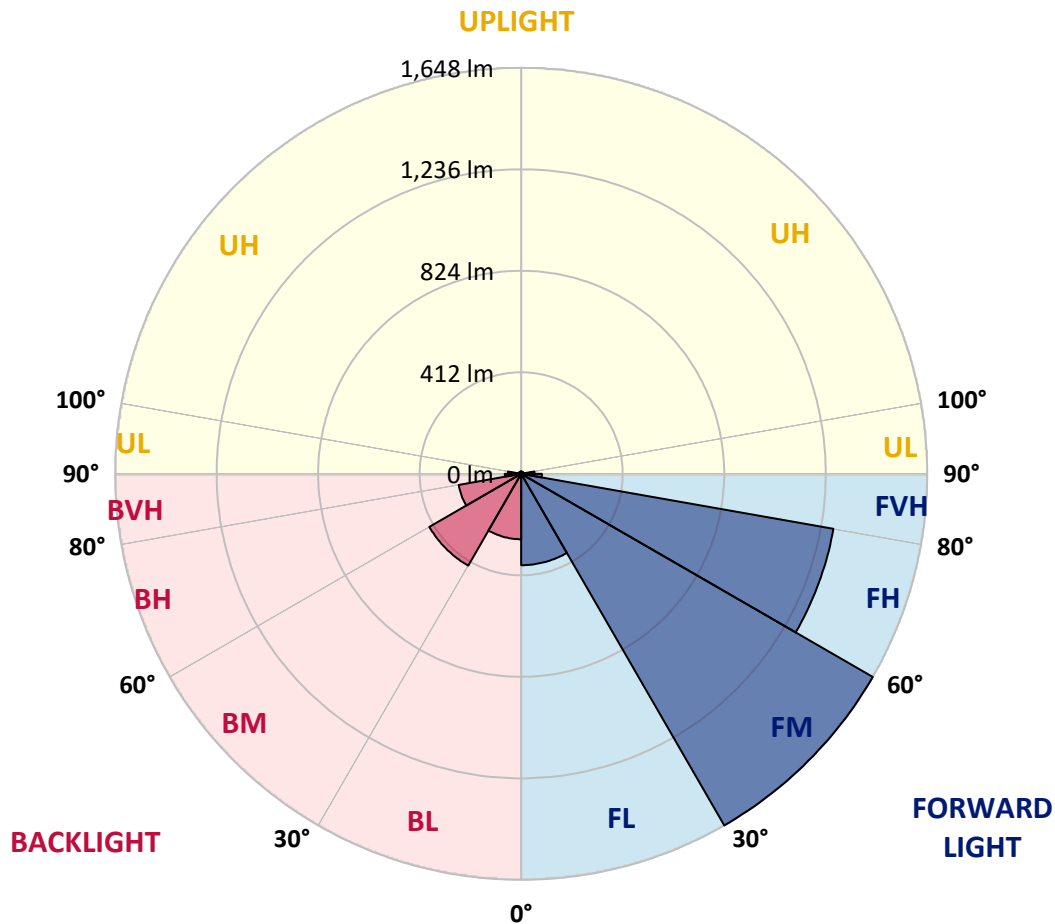
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.9	8.3			
FM	(30°-60°)	1648.2	36.8			
FH	(60°-80°)	1287.0	28.8			G1/1800
FVH	(80°-90°)	84.0	1.9			G1/100
BL	(0°-30°)	265.6	5.9	B1/500		
BM	(30°-60°)	430.4	9.6	B1/1000		
BH	(60°-80°)	257.7	5.8	B1/500		G1/500
BVH	(80°-90°)	66.1	1.5			G1/100
UL	(90°-100°)	54.3	1.2		U3/500	
UH	(100°-180°)	9.0	0.2		U1/10	

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°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3
2.5°	665.4	665.4	664.0	664.0	665.4	666.9	665.4	664.0	665.4	666.9	671.3
5°	691.8	690.4	688.9	683.0	677.2	672.8	669.8	668.4	669.8	675.7	686.0
7.5°	709.4	707.9	707.9	706.5	700.6	688.9	681.6	680.1	680.1	681.6	694.7
10°	746.0	743.1	737.3	727.0	721.1	706.5	693.3	690.4	690.4	693.3	709.4
12.5°	785.6	779.8	781.2	769.5	751.9	735.8	716.7	709.4	706.5	709.4	718.2
15°	839.9	835.5	823.7	810.5	793.0	771.0	747.5	735.8	734.3	738.7	731.4
17.5°	879.4	873.6	875.0	856.0	841.3	812.0	790.0	768.0	768.0	773.9	754.8
20°	920.5	917.5	921.9	917.5	895.6	869.2	836.9	810.5	806.1	809.1	781.2
22.5°	973.2	968.8	968.8	970.3	952.7	926.3	888.2	861.8	860.4	848.6	810.5
25°	1027.5	1023.1	1021.6	1024.5	1021.6	990.8	951.2	924.9	920.5	904.3	850.1
27.5°	1078.8	1078.8	1080.2	1083.2	1087.6	1062.6	1024.5	995.2	995.2	977.6	902.9
30°	1116.9	1116.9	1130.1	1135.9	1140.3	1134.5	1093.4	1065.6	1068.5	1045.1	963.0
32.5°	1152.1	1153.5	1168.2	1182.8	1187.2	1191.6	1156.4	1138.9	1138.9	1116.9	1027.5
35°	1187.2	1187.2	1207.7	1237.1	1251.7	1247.3	1231.2	1225.3	1226.8	1222.4	1122.7
37.5°	1215.1	1218.0	1248.8	1285.4	1306.0	1313.3	1304.5	1323.5	1341.1	1354.3	1247.3
40°	1242.9	1242.9	1272.2	1311.8	1348.5	1369.0	1380.7	1452.5	1465.7	1470.1	1317.7
42.5°	1213.6	1220.9	1282.5	1341.1	1388.0	1423.2	1476.0	1583.0	1599.1	1549.3	1412.9
45°	1185.8	1194.6	1256.1	1354.3	1421.7	1492.1	1583.0	1691.4	1704.6	1629.9	1470.1
47.5°	1157.9	1168.2	1235.6	1342.6	1452.5	1568.3	1666.5	1786.7	1792.6	1695.8	1534.6
50°	1128.6	1138.9	1210.7	1329.4	1471.6	1646.0	1750.1	1873.2	1873.2	1754.5	1572.7
52.5°	1092.0	1103.7	1177.0	1308.9	1486.2	1698.8	1826.3	1936.2	1924.5	1824.8	1615.2
55°	1045.1	1061.2	1138.9	1279.6	1492.1	1726.6	1874.6	1997.8	1994.8	1911.3	1669.4
57.5°	995.2	1008.4	1092.0	1241.5	1486.2	1745.7	1925.9	2104.8	2109.2	1986.0	1712.0
60°	939.5	948.3	1028.9	1188.7	1448.1	1779.4	2041.7	2219.1	2225.0	2054.9	1728.1
62.5°	866.2	872.1	948.3	1116.9	1396.8	1801.4	2125.3	2323.2	2320.2	2116.5	1731.0
65°	773.9	781.2	853.0	1021.6	1320.6	1786.7	2145.8	2368.6	2371.5	2145.8	1726.6
67.5°	684.5	688.9	749.0	895.6	1197.5	1716.4	2125.3	2395.0	2408.2	2170.7	1684.1
70°	565.8	567.2	620.0	750.4	1027.5	1581.5	2084.2	2411.1	2403.8	2141.4	1610.8
72.5°	435.3	436.8	476.4	574.6	798.8	1347.0	1939.1	2274.8	2261.6	1980.2	1452.5
75°	309.3	315.1	338.6	403.1	535.0	983.5	1659.2	2013.9	2022.7	1761.8	1210.7
77.5°	175.9	181.7	200.8	252.1	307.8	551.1	1253.2	1679.7	1685.6	1481.8	929.3
80°	76.2	77.7	85.0	120.2	164.2	263.8	642.0	1177.0	1262.0	1006.9	530.6
82.5°	64.5	64.5	67.4	70.4	71.8	120.2	249.2	365.0	376.7	297.5	173.0
85°	55.7	55.7	58.6	61.6	63.0	82.1	151.0	183.2	190.5	170.0	121.7
87.5°	44.0	44.0	48.4	51.3	51.3	67.4	112.9	136.3	140.7	136.3	108.5
90°	39.6	39.6	38.1	38.1	39.6	48.4	87.9	114.3	118.7	145.1	124.6
92.5°	33.7	35.2	35.2	35.2	30.8	35.2	63.0	101.1	109.9	143.6	112.9
95°	33.7	32.2	32.2	30.8	29.3	30.8	46.9	87.9	98.2	124.6	95.3
97.5°	23.5	22.0	23.5	24.9	26.4	27.8	39.6	64.5	71.8	96.7	70.4
100°	14.7	14.7	14.7	14.7	17.6	19.1	32.2	39.6	44.0	61.6	46.9
102.5°	8.8	7.3	7.3	7.3	8.8	11.7	16.1	22.0	23.5	35.2	27.8
105°	2.9	2.9	2.9	2.9	4.4	5.9	5.9	8.8	8.8	11.7	11.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5

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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	1.5	1.5
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.5	1.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.5	1.5
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
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°	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3	671.3
2.5°	674.2	677.2	683.0	690.4	699.1	706.5	712.3	713.8	716.7	716.7	719.7
5°	688.9	694.7	703.5	713.8	718.2	715.3	715.3	716.7	719.7	727.0	729.9
7.5°	705.0	709.4	709.4	713.8	722.6	719.7	718.2	716.7	716.7	713.8	718.2
10°	710.9	705.0	712.3	710.9	707.9	713.8	715.3	706.5	707.9	707.9	709.4
12.5°	712.3	712.3	706.5	706.5	706.5	693.3	690.4	697.7	690.4	693.3	691.8
15°	728.5	716.7	709.4	700.6	688.9	684.5	674.2	662.5	662.5	665.4	665.4
17.5°	740.2	728.5	706.5	683.0	678.6	658.1	650.8	647.8	646.4	647.8	650.8
20°	757.8	740.2	703.5	680.1	642.0	634.7	621.5	620.0	617.1	606.8	603.9
22.5°	781.2	753.4	702.1	655.2	624.4	599.5	576.0	561.4	559.9	552.6	548.2
25°	807.6	779.8	707.9	643.4	592.1	555.5	536.5	502.7	486.6	492.5	489.5
27.5°	861.8	810.5	718.2	627.3	565.8	508.6	464.6	444.1	423.6	423.6	426.5
30°	911.7	850.1	718.2	612.7	521.8	452.9	395.7	363.5	354.7	348.8	345.9
32.5°	986.4	899.9	749.0	592.1	480.8	381.1	316.6	278.5	280.0	285.8	284.3
35°	1072.9	979.1	757.8	562.8	420.7	309.3	244.8	224.3	236.0	238.9	238.9
37.5°	1177.0	1075.8	797.3	539.4	357.6	228.7	193.5	184.7	194.9	193.5	199.3
40°	1234.1	1122.7	831.1	510.1	274.1	168.6	149.5	143.6	159.8	173.0	175.9
42.5°	1314.7	1178.4	863.3	454.4	186.1	123.1	114.3	133.4	156.8	171.5	173.0
45°	1358.7	1210.7	850.1	385.5	118.7	99.7	111.4	134.8	159.8	174.4	175.9
47.5°	1411.5	1253.2	826.7	300.5	95.3	98.2	112.9	137.8	164.2	177.4	177.4
50°	1464.2	1295.7	769.5	236.0	89.4	96.7	115.8	139.2	162.7	171.5	171.5
52.5°	1495.0	1332.3	702.1	171.5	87.9	96.7	117.3	140.7	161.2	165.6	165.6
55°	1522.9	1335.3	643.4	127.5	86.5	98.2	118.7	143.6	162.7	167.1	165.6
57.5°	1539.0	1316.2	602.4	109.9	85.0	98.2	120.2	146.6	174.4	184.7	181.7
60°	1530.2	1286.9	571.6	102.6	83.5	98.2	121.7	155.4	221.3	238.9	233.0
62.5°	1515.5	1266.4	507.1	93.8	80.6	98.2	123.1	175.9	246.2	255.0	247.7
65°	1496.5	1206.3	433.9	85.0	77.7	96.7	124.6	190.5	234.5	234.5	233.0
67.5°	1417.3	1125.7	323.9	76.2	73.3	96.7	127.5	187.6	225.7	244.8	244.8
70°	1311.8	990.8	214.0	67.4	68.9	93.8	133.4	190.5	233.0	259.4	256.5
72.5°	1111.0	822.3	118.7	58.6	63.0	92.3	133.4	202.3	252.1	281.4	277.0
75°	907.3	608.3	85.0	52.8	57.2	89.4	134.8	209.6	269.7	300.5	293.1
77.5°	639.1	348.8	67.4	45.4	51.3	85.0	133.4	206.7	278.5	306.3	297.5
80°	269.7	126.1	55.7	41.0	44.0	76.2	123.1	197.9	278.5	323.9	319.5
82.5°	121.7	89.4	48.4	36.6	41.0	63.0	114.3	190.5	269.7	325.4	351.8
85°	95.3	73.3	41.0	32.2	36.6	60.1	102.6	181.7	258.0	300.5	329.8
87.5°	90.9	73.3	36.6	29.3	33.7	51.3	79.1	168.6	231.6	277.0	300.5
90°	98.2	76.2	29.3	24.9	30.8	45.4	64.5	142.2	200.8	243.3	243.3
92.5°	90.9	70.4	22.0	19.1	32.2	36.6	61.6	87.9	145.1	121.7	151.0
95°	76.2	58.6	14.7	13.2	30.8	30.8	33.7	41.0	101.1	2.9	0.0
97.5°	55.7	42.5	8.8	7.3	23.5	24.9	16.1	19.1	41.0	0.0	0.0
100°	41.0	27.8	5.9	5.9	14.7	20.5	10.3	10.3	0.0	0.0	0.0
102.5°	22.0	14.7	4.4	2.9	7.3	11.7	4.4	2.9	0.0	0.0	0.0
105°	11.7	5.9	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C015-D-U-T3-7040

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
122.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
130°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
132.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
135°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.5	1.5	1.5	1.5	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)