

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: P691288

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3853 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - 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

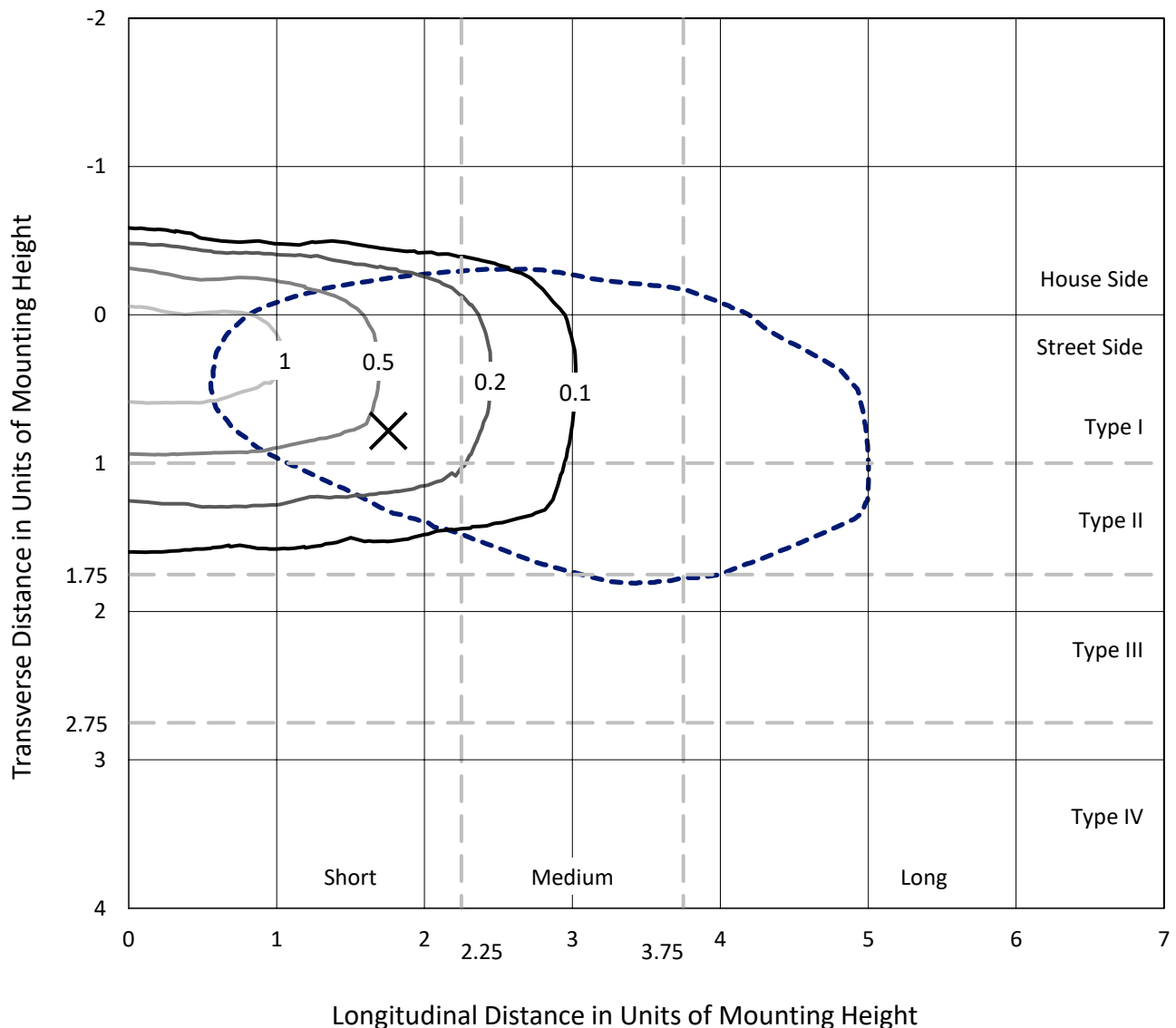


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Iso-Footcandle Lines of Horizontal Illumination

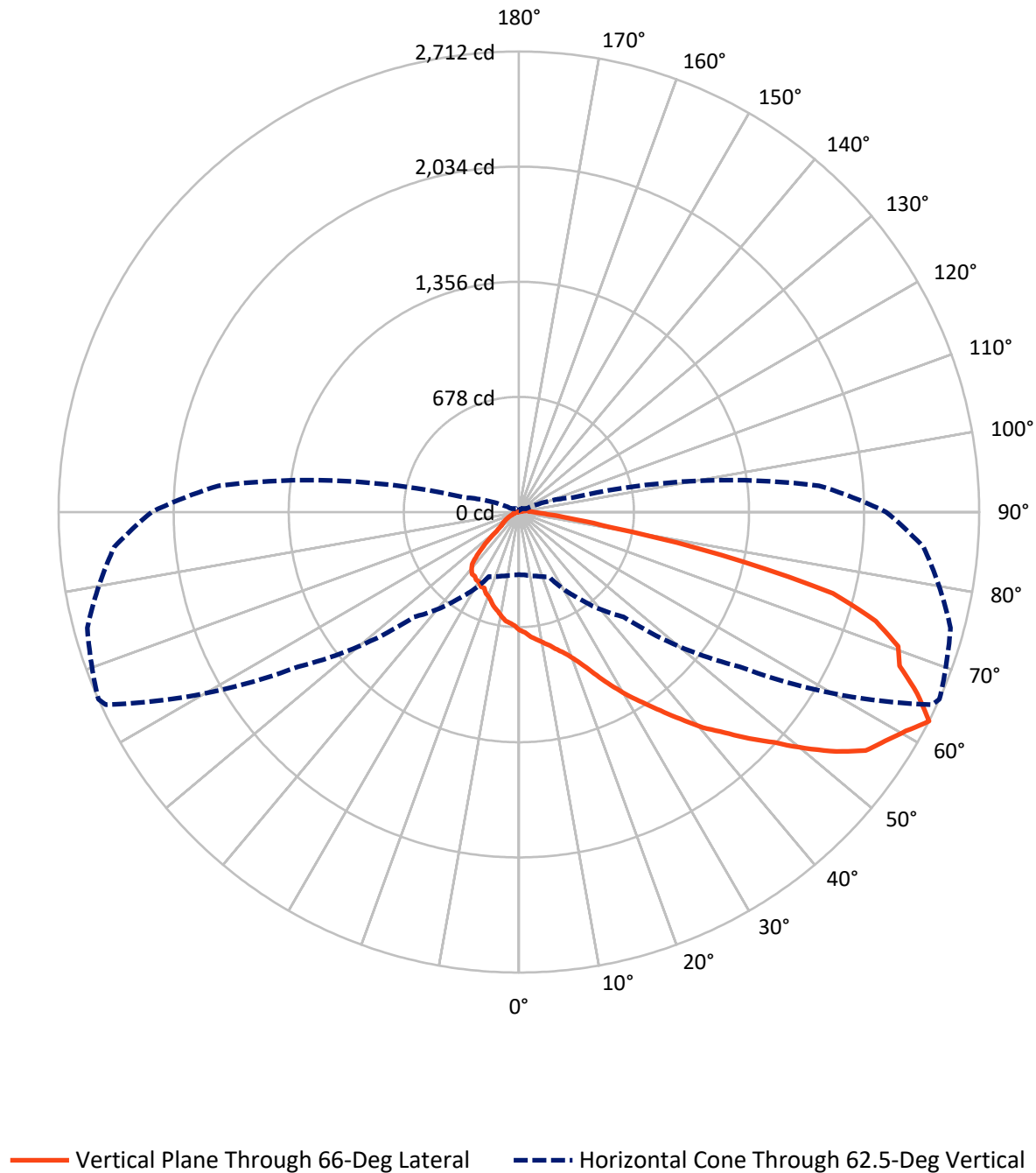
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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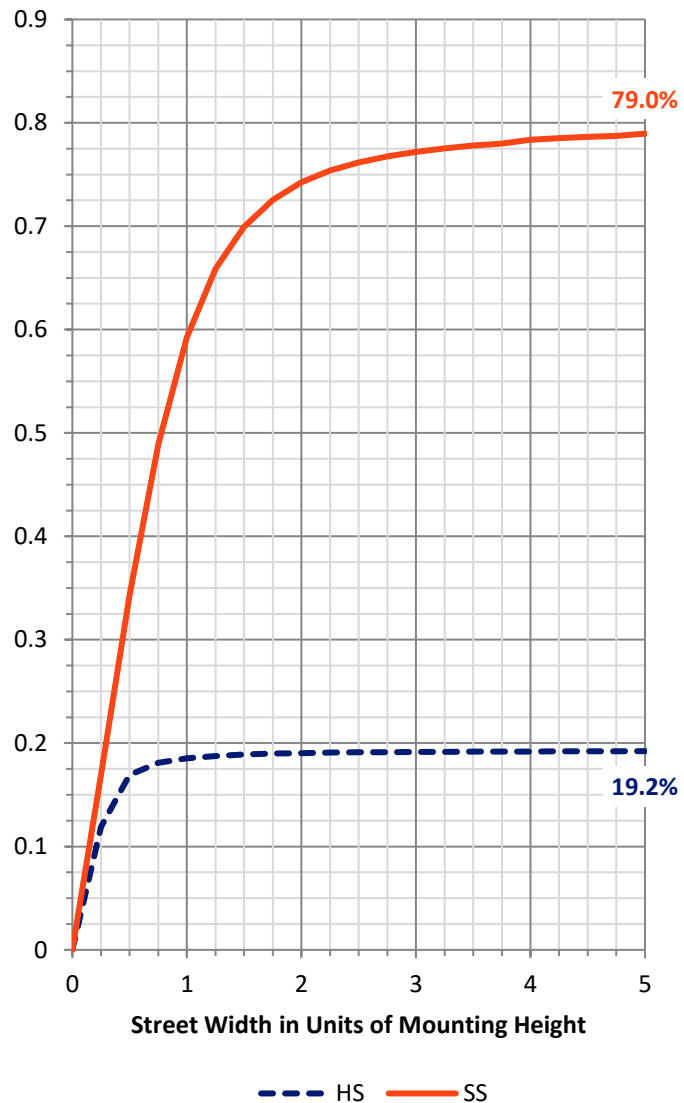
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	751.2	10.6	761.8
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	3061.8	29.4	3091.2
	% Fixture	79.5	0.8	80.2
Total	Lumens	3813.0	39.9	3853.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	1.7
10°-20°	193.9	5.0
20°-30°	326.2	8.5
30°-40°	485.1	12.6
40°-50°	641.9	16.7
50°-60°	747.3	19.4
60°-70°	746.1	19.4
70°-80°	500.7	13.0
80°-90°	105.8	2.7
90°-100°	32.2	0.8
100°-110°	5.6	0.1
110°-120°	0.4	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°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3813.0	99.0
0°-180°	3853.0	100.0

Coefficient of Utilization



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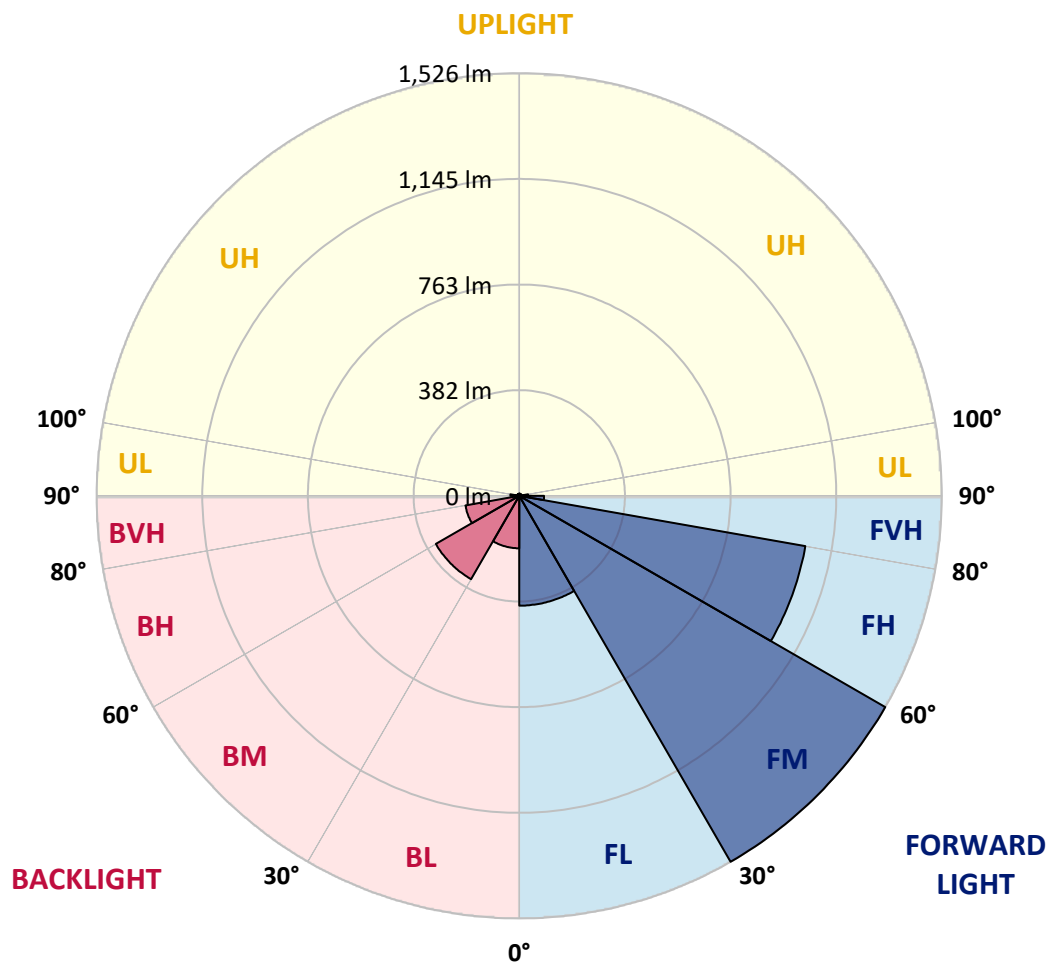
CATALOG NUMBER: CRTK2-C015-D-U-T2-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	396.7	10.3			
FM	(30°-60°)	1526.4	39.6			
FH	(60°-80°)	1049.2	27.2			G1/1800
FVH	(80°-90°)	89.5	2.3			G1/100
BL	(0°-30°)	189.5	4.9	B1/500		
BM	(30°-60°)	347.9	9.0	B1/1000		
BH	(60°-80°)	197.5	5.1	B1/500		G1/500
BVH	(80°-90°)	16.3	0.4			G1/100
UL	(90°-100°)	32.2	0.8		U2/50	
UH	(100°-180°)	7.7	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
2.5°	743.1	738.8	740.2	733.1	726.0	721.7	717.5	710.4	710.4	704.7	697.5
5°	795.8	797.2	795.8	787.2	778.7	765.9	750.2	737.4	737.4	724.6	707.5
7.5°	831.4	829.9	829.9	820.0	814.3	807.2	788.7	760.2	758.8	741.7	720.3
10°	845.6	847.0	852.7	838.5	832.8	822.8	812.9	784.4	781.5	753.1	718.9
12.5°	876.9	878.3	875.5	864.1	857.0	849.9	834.2	810.0	807.2	775.8	728.9
15°	913.9	913.9	909.7	898.3	894.0	884.0	865.5	842.7	839.9	804.3	747.4
17.5°	933.9	936.7	936.7	921.0	922.5	918.2	908.2	878.3	874.1	841.3	773.0
20°	943.8	945.2	948.1	948.1	946.7	945.2	950.9	923.9	921.0	882.6	802.9
22.5°	972.3	975.1	982.3	978.0	982.3	987.9	989.4	987.9	983.7	942.4	852.7
25°	985.1	993.6	1003.6	1016.4	1029.2	1037.8	1057.7	1067.7	1064.8	1025.0	931.0
27.5°	970.9	979.4	1015.0	1039.2	1079.1	1103.3	1140.3	1155.9	1154.5	1121.8	1012.1
30°	995.1	997.9	1013.6	1047.7	1099.0	1165.9	1217.1	1241.3	1247.0	1217.1	1097.6
32.5°	959.5	969.4	1013.6	1077.6	1154.5	1225.7	1275.5	1329.6	1336.7	1323.9	1210.0
35°	956.6	963.7	987.9	1057.7	1155.9	1288.3	1356.6	1430.7	1436.4	1440.6	1323.9
37.5°	916.8	926.7	975.1	1063.4	1198.6	1329.6	1425.0	1531.7	1546.0	1563.1	1419.3
40°	872.6	879.8	921.0	1015.0	1188.7	1378.0	1490.5	1654.2	1668.4	1689.8	1546.0
42.5°	807.2	822.8	892.6	993.6	1183.0	1392.2	1555.9	1762.4	1775.2	1805.1	1652.7
45°	748.8	755.9	810.0	921.0	1137.4	1417.9	1611.5	1889.1	1901.9	1916.1	1736.7
47.5°	703.2	711.8	763.0	862.7	1091.9	1412.2	1662.7	2014.3	2028.6	2061.3	1840.7
50°	558.0	579.4	708.9	805.7	1016.4	1400.8	1706.8	2153.8	2186.6	2199.4	1948.8
52.5°	479.7	486.9	553.8	754.5	942.4	1359.5	1745.3	2306.2	2343.2	2319.0	2094.1
55°	447.0	451.3	484.0	653.4	875.5	1275.5	1776.6	2452.8	2479.8	2403.0	2200.8
57.5°	422.8	429.9	444.1	529.6	797.2	1134.6	1778.0	2533.9	2543.9	2472.7	2252.1
60°	391.5	394.3	424.2	461.2	708.9	987.9	1729.6	2575.2	2619.3	2553.9	2356.0
62.5°	368.7	371.5	390.1	419.9	624.9	872.6	1587.3	2684.8	2711.9	2632.2	2394.4
65°	340.2	344.5	360.2	390.1	566.6	802.9	1516.1	2656.4	2578.1	2613.6	2438.6
67.5°	310.3	313.2	330.3	353.0	482.6	736.0	1339.6	2475.6	2418.6	2521.1	2320.4
70°	279.0	281.9	297.5	313.2	397.2	653.4	1116.1	2321.8	2370.2	2375.9	2209.4
72.5°	246.3	249.1	263.4	276.2	328.8	549.5	886.9	2168.1	2198.0	2111.1	1951.7
75°	213.5	215.0	226.3	239.2	273.3	442.7	634.9	1798.0	1911.8	2017.2	1684.1
77.5°	172.3	175.1	186.5	190.8	219.2	357.3	411.4	1069.1	1218.6	1765.2	1511.8
80°	126.7	128.1	139.5	138.1	163.7	260.5	259.1	508.2	546.6	1090.4	1110.4
82.5°	84.0	86.8	96.8	94.0	111.0	158.0	162.3	273.3	291.8	422.8	486.9
85°	66.9	68.3	74.0	68.3	74.0	79.7	89.7	165.1	168.0	250.5	249.1
87.5°	54.1	55.5	61.2	56.9	58.4	61.2	71.2	105.3	108.2	158.0	163.7
90°	42.7	44.1	51.2	47.0	47.0	51.2	59.8	78.3	82.6	123.8	133.8
92.5°	28.5	28.5	32.7	31.3	31.3	37.0	52.7	58.4	62.6	115.3	121.0
95°	21.4	21.4	22.8	22.8	22.8	27.0	39.9	55.5	61.2	112.5	109.6
97.5°	14.2	14.2	15.7	15.7	15.7	17.1	22.8	45.6	51.2	91.1	89.7
100°	10.0	10.0	10.0	8.5	8.5	8.5	12.8	29.9	34.2	58.4	58.4
102.5°	7.1	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	5.7	12.8	12.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	1.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	1.4
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	1.4
155°	0.0	0.0	0.0	0.0	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	1.4
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	1.4
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1	696.1
2.5°	693.3	689.0	679.0	670.5	663.4	656.3	644.9	640.6	637.8	642.0	642.0
5°	697.5	686.2	669.1	654.8	642.0	626.4	609.3	599.3	590.8	595.0	595.0
7.5°	704.7	689.0	667.6	643.4	610.7	583.7	562.3	549.5	542.4	546.6	549.5
10°	700.4	683.3	654.8	617.8	579.4	550.9	523.9	503.9	496.8	494.0	496.8
12.5°	704.7	684.7	636.3	592.2	555.2	509.6	476.9	455.5	447.0	447.0	447.0
15°	718.9	689.0	624.9	573.7	516.8	472.6	438.5	415.7	412.8	402.9	402.9
17.5°	738.8	693.3	620.7	545.2	482.6	437.0	397.2	374.4	367.3	368.7	368.7
20°	758.8	701.8	612.1	521.0	451.3	397.2	355.9	334.5	317.5	311.8	314.6
22.5°	792.9	726.0	605.0	508.2	415.7	364.4	318.9	283.3	254.8	246.3	242.0
25°	842.7	764.4	615.0	478.3	394.3	327.4	273.3	223.5	189.3	180.8	179.4
27.5°	933.9	824.2	626.4	478.3	360.2	294.7	217.8	165.1	138.1	129.5	132.4
30°	1019.3	905.4	659.1	452.7	345.9	236.3	162.3	123.8	99.6	89.7	92.5
32.5°	1090.4	982.3	704.7	447.0	304.6	175.1	118.2	86.8	69.8	64.1	65.5
35°	1192.9	1047.7	740.2	427.1	250.5	128.1	82.6	61.2	54.1	51.2	51.2
37.5°	1291.2	1127.5	775.8	422.8	185.1	94.0	55.5	49.8	48.4	44.1	44.1
40°	1385.1	1208.6	791.5	398.6	131.0	61.2	47.0	45.6	44.1	39.9	39.9
42.5°	1500.4	1286.9	805.7	367.3	91.1	45.6	41.3	42.7	41.3	37.0	35.6
45°	1588.7	1339.6	810.0	287.6	58.4	42.7	38.4	39.9	38.4	34.2	34.2
47.5°	1662.7	1410.7	792.9	196.5	48.4	39.9	35.6	37.0	35.6	32.7	31.3
50°	1738.2	1476.2	777.3	105.3	45.6	38.4	34.2	31.3	32.7	29.9	28.5
52.5°	1840.7	1524.6	736.0	64.1	42.7	35.6	31.3	28.5	28.5	25.6	27.0
55°	1981.6	1644.2	659.1	59.8	41.3	34.2	29.9	25.6	25.6	22.8	22.8
57.5°	2044.2	1691.2	535.3	54.1	39.9	34.2	27.0	22.8	19.9	18.5	17.1
60°	2121.1	1760.9	421.4	49.8	37.0	32.7	24.2	19.9	15.7	14.2	14.2
62.5°	2163.8	1775.2	328.8	45.6	35.6	28.5	21.4	15.7	12.8	10.0	10.0
65°	2185.2	1765.2	219.2	41.3	32.7	27.0	18.5	12.8	8.5	7.1	7.1
67.5°	2104.0	1712.5	126.7	38.4	31.3	24.2	15.7	10.0	7.1	5.7	4.3
70°	1965.9	1558.8	79.7	34.2	29.9	21.4	14.2	8.5	5.7	4.3	2.8
72.5°	1803.6	1272.7	58.4	31.3	28.5	18.5	11.4	7.1	4.3	2.8	2.8
75°	1647.1	1109.0	49.8	27.0	24.2	15.7	10.0	5.7	4.3	2.8	1.4
77.5°	1178.7	755.9	44.1	24.2	21.4	12.8	7.1	5.7	2.8	1.4	1.4
80°	837.1	444.1	39.9	19.9	17.1	10.0	7.1	4.3	2.8	1.4	1.4
82.5°	401.4	230.6	38.4	17.1	12.8	8.5	5.7	4.3	2.8	1.4	1.4
85°	182.2	98.2	28.5	15.7	11.4	8.5	5.7	4.3	2.8	2.8	1.4
87.5°	111.0	51.2	22.8	12.8	8.5	7.1	4.3	2.8	2.8	2.8	2.8
90°	103.9	66.9	17.1	10.0	7.1	5.7	4.3	1.4	0.0	0.0	0.0
92.5°	99.6	76.9	12.8	7.1	4.3	4.3	1.4	0.0	0.0	0.0	0.0
95°	94.0	72.6	14.2	4.3	7.1	2.8	1.4	0.0	0.0	0.0	0.0
97.5°	74.0	56.9	15.7	4.3	35.6	2.8	1.4	0.0	0.0	0.0	0.0
100°	47.0	35.6	11.4	4.3	42.7	2.8	0.0	0.0	0.0	0.0	0.0
102.5°	27.0	19.9	5.7	4.3	12.8	1.4	0.0	0.0	0.0	0.0	0.0
105°	11.4	10.0	2.8	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
107.5°	2.8	2.8	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-HSS-CRTK2

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	1.4	0.0	0.0	0.0	0.0
125°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
130°	1.4	1.4	1.4	2.8	1.4	1.4	1.4	0.0	0.0	0.0	0.0
132.5°	1.4	1.4	1.4	2.8	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	1.4	0.0	0.0	0.0	0.0
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
172.5°	1.4	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)