

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: P691296

Luminaire Tested: **CRTK2-C015-D-U-T2-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691296
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-T2-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3967.1 lumens
Efficiency: N/A
Efficacy: 132.7 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



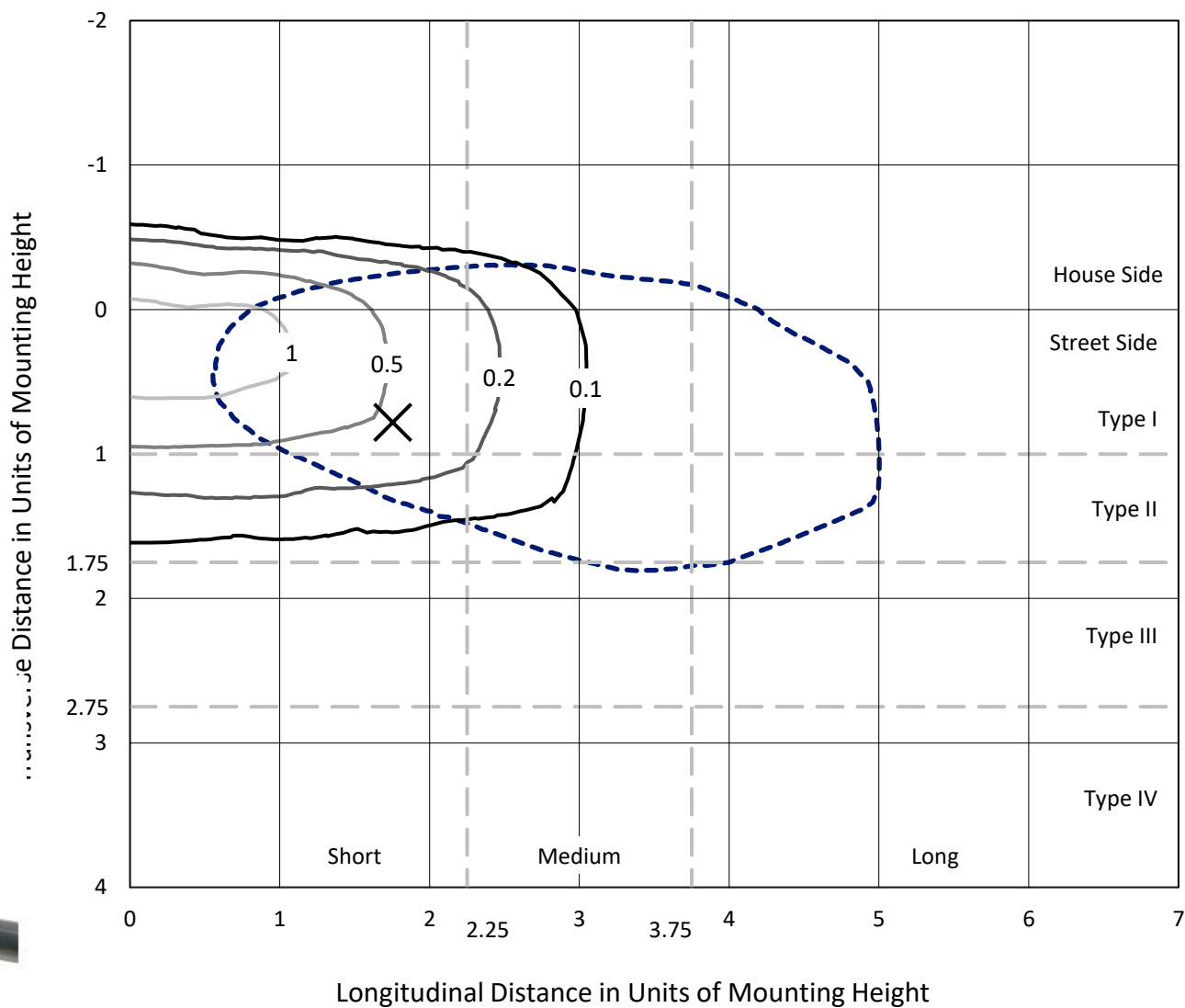
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CATALOG NUMBER: CRTK2-C015-D-U-T2-7040-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

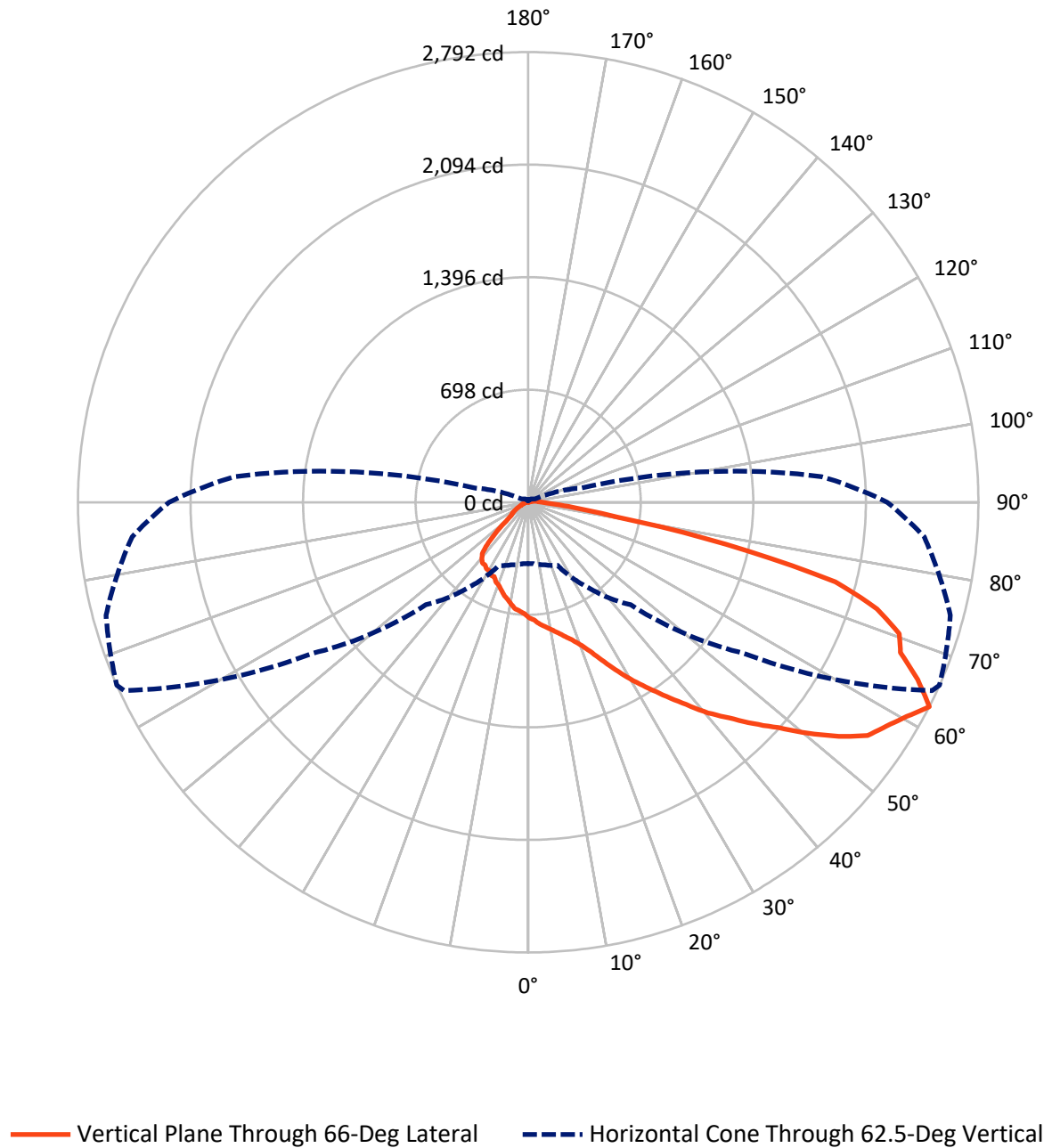


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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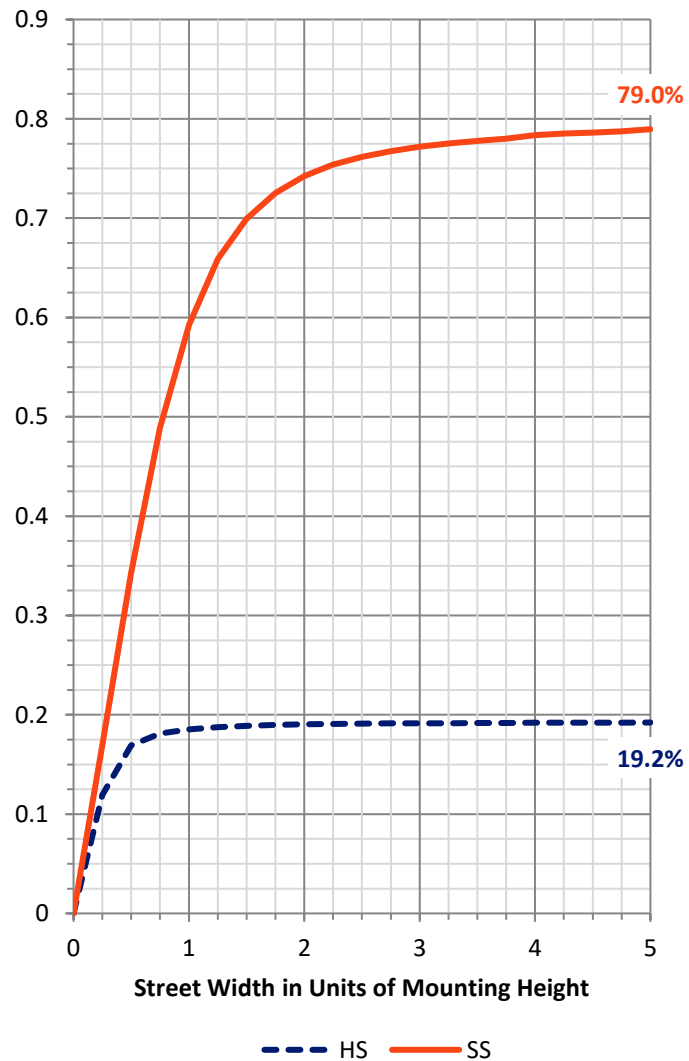
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	773.4	11.0	784.4
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	3152.4	30.3	3182.7
	% Fixture	79.5	0.8	80.2
Total	Lumens	3925.8	41.2	3967.1
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	1.7
10°-20°	199.6	5.0
20°-30°	335.9	8.5
30°-40°	499.5	12.6
40°-50°	660.8	16.7
50°-60°	769.4	19.4
60°-70°	768.1	19.4
70°-80°	515.5	13.0
80°-90°	108.9	2.7
90°-100°	33.2	0.8
100°-110°	5.8	0.1
110°-120°	0.4	0.0
120°-130°	0.5	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3925.8	99.0
0°-180°	3967.1	100.0

Coefficient of Utilization



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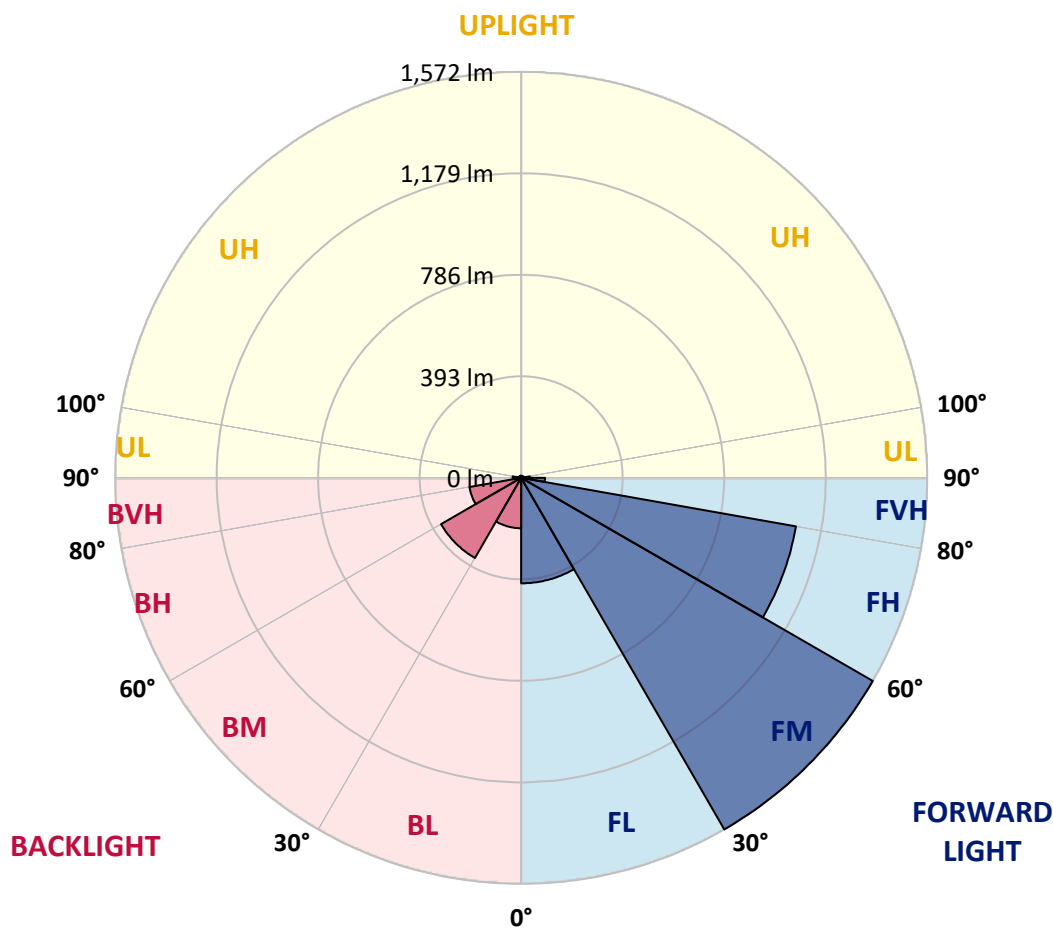
CATALOG NUMBER: CRTK2-C015-D-U-T2-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	408.4	10.3			
FM	(30°-60°)	1571.6	39.6			
FH	(60°-80°)	1080.2	27.2			G1/1800
FVH	(80°-90°)	92.2	2.3			G1/100
BL	(0°-30°)	195.1	4.9	B1/500		
BM	(30°-60°)	358.1	9.0	B1/1000		
BH	(60°-80°)	203.4	5.1	B1/500		G1/500
BVH	(80°-90°)	16.8	0.4			G1/100
UL	(90°-100°)	33.2	0.8		U2/50	
UH	(100°-180°)	8.0	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°	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7
2.5°	765.1	760.7	762.2	754.8	747.5	743.1	738.7	731.4	731.4	725.5	718.2
5°	819.3	820.8	819.3	810.5	801.7	788.5	772.4	759.2	759.2	746.0	728.4
7.5°	856.0	854.5	854.5	844.2	838.4	831.0	812.0	782.7	781.2	763.6	741.6
10°	870.6	872.1	877.9	863.3	857.4	847.2	836.9	807.6	804.7	775.3	740.2
12.5°	902.9	904.3	901.4	889.7	882.3	875.0	858.9	834.0	831.0	798.8	750.4
15°	941.0	941.0	936.6	924.8	920.4	910.2	891.1	867.7	864.7	828.1	769.5
17.5°	961.5	964.4	964.4	948.3	949.8	945.4	935.1	904.3	899.9	866.2	795.9
20°	971.7	973.2	976.1	976.1	974.7	973.2	979.1	951.2	948.3	908.7	826.6
22.5°	1001.1	1004.0	1011.3	1006.9	1011.3	1017.2	1018.6	1017.2	1012.8	970.3	877.9
25°	1014.2	1023.0	1033.3	1046.5	1059.7	1068.5	1089.0	1099.3	1096.3	1055.3	958.6
27.5°	999.6	1008.4	1045.0	1069.9	1111.0	1135.9	1174.0	1190.1	1188.7	1155.0	1042.1
30°	1024.5	1027.4	1043.6	1078.7	1131.5	1200.4	1253.2	1278.1	1283.9	1253.2	1130.0
32.5°	987.9	998.1	1043.6	1109.5	1188.7	1261.9	1313.2	1368.9	1376.3	1363.1	1245.8
35°	984.9	992.3	1017.2	1089.0	1190.1	1326.4	1396.8	1473.0	1478.9	1483.3	1363.1
37.5°	943.9	954.2	1004.0	1094.9	1234.1	1368.9	1467.1	1577.1	1591.7	1609.3	1461.3
40°	898.5	905.8	948.3	1045.0	1223.8	1418.8	1534.6	1703.1	1717.8	1739.8	1591.7
42.5°	831.0	847.2	919.0	1023.0	1218.0	1433.4	1602.0	1814.5	1827.7	1858.5	1701.6
45°	770.9	778.3	834.0	948.3	1171.1	1459.8	1659.1	1945.0	1958.1	1972.8	1788.1
47.5°	724.0	732.8	785.6	888.2	1124.2	1454.0	1711.9	2073.9	2088.6	2122.3	1895.1
50°	574.5	596.5	729.9	829.6	1046.5	1442.2	1757.3	2217.6	2251.3	2264.5	2006.5
52.5°	493.9	501.3	570.1	776.8	970.3	1399.7	1796.9	2374.4	2412.5	2387.6	2156.0
55°	460.2	464.6	498.3	672.7	901.4	1313.2	1829.2	2525.4	2553.2	2474.1	2265.9
57.5°	435.3	442.6	457.3	545.2	820.8	1168.1	1830.6	2608.9	2619.2	2545.9	2318.7
60°	403.1	406.0	436.8	474.9	729.9	1017.2	1780.8	2651.4	2696.8	2629.4	2425.7
62.5°	379.6	382.5	401.6	432.4	643.4	898.5	1634.2	2764.3	2792.1	2710.0	2465.3
65°	350.3	354.7	370.8	401.6	583.3	826.6	1560.9	2735.0	2654.3	2691.0	2510.7
67.5°	319.5	322.4	340.0	363.5	496.9	757.8	1379.2	2548.8	2490.2	2595.7	2389.1
70°	287.3	290.2	306.3	322.4	408.9	672.7	1149.1	2390.5	2440.4	2446.2	2274.7
72.5°	253.6	256.5	271.2	284.3	338.6	565.8	913.1	2232.2	2263.0	2173.6	2009.4
75°	219.9	221.3	233.0	246.2	281.4	455.8	653.7	1851.1	1968.4	2076.9	1733.9
77.5°	177.3	180.3	192.0	196.4	225.7	367.9	423.6	1100.7	1254.6	1817.4	1556.5
80°	130.4	131.9	143.6	142.2	168.6	268.2	266.8	523.2	562.8	1122.7	1143.2
82.5°	86.5	89.4	99.7	96.7	114.3	162.7	167.1	281.4	300.5	435.3	501.3
85°	68.9	70.4	76.2	70.4	76.2	82.1	92.3	170.0	172.9	258.0	256.5
87.5°	55.7	57.2	63.0	58.6	60.1	63.0	73.3	108.5	111.4	162.7	168.6
90°	44.0	45.4	52.8	48.4	48.4	52.8	61.6	80.6	85.0	127.5	137.8
92.5°	29.3	29.3	33.7	32.2	32.2	38.1	54.2	60.1	64.5	118.7	124.6
95°	22.0	22.0	23.5	23.5	23.5	27.8	41.0	57.2	63.0	115.8	112.9
97.5°	14.7	14.7	16.1	16.1	16.1	17.6	23.5	46.9	52.8	93.8	92.3
100°	10.3	10.3	10.3	8.8	8.8	8.8	13.2	30.8	35.2	60.1	60.1
102.5°	7.3	5.9	5.9	5.9	4.4	4.4	5.9	14.7	16.1	32.2	30.8
105°	1.5	1.5	2.9	2.9	2.9	1.5	1.5	5.9	5.9	13.2	13.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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	1.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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	1.5
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°	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7	716.7
2.5°	713.8	709.4	699.1	690.3	683.0	675.7	664.0	659.6	656.6	661.0	661.0
5°	718.2	706.5	688.9	674.2	661.0	644.9	627.3	617.0	608.3	612.7	612.7
7.5°	725.5	709.4	687.4	662.5	628.8	600.9	578.9	565.8	558.4	562.8	565.8
10°	721.1	703.5	674.2	636.1	596.5	567.2	539.4	518.8	511.5	508.6	511.5
12.5°	725.5	705.0	655.2	609.7	571.6	524.7	491.0	469.0	460.2	460.2	460.2
15°	740.2	709.4	643.4	590.7	532.0	486.6	451.4	428.0	425.0	414.8	414.8
17.5°	760.7	713.8	639.0	561.4	496.9	450.0	408.9	385.5	378.1	379.6	379.6
20°	781.2	722.6	630.2	536.4	464.6	408.9	366.4	344.4	326.8	321.0	323.9
22.5°	816.4	747.5	622.9	523.2	428.0	375.2	328.3	291.7	262.4	253.6	249.2
25°	867.7	787.1	633.2	492.5	406.0	337.1	281.4	230.1	194.9	186.1	184.7
27.5°	961.5	848.6	644.9	492.5	370.8	303.4	224.2	170.0	142.2	133.4	136.3
30°	1049.4	932.2	678.6	466.1	356.2	243.3	167.1	127.5	102.6	92.3	95.3
32.5°	1122.7	1011.3	725.5	460.2	313.7	180.3	121.7	89.4	71.8	66.0	67.4
35°	1228.2	1078.7	762.2	439.7	258.0	131.9	85.0	63.0	55.7	52.8	52.8
37.5°	1329.4	1160.8	798.8	435.3	190.5	96.7	57.2	51.3	49.8	45.4	45.4
40°	1426.1	1244.4	814.9	410.4	134.8	63.0	48.4	46.9	45.4	41.0	41.0
42.5°	1544.8	1325.0	829.6	378.1	93.8	46.9	42.5	44.0	42.5	38.1	36.6
45°	1635.7	1379.2	834.0	296.1	60.1	44.0	39.6	41.0	39.6	35.2	35.2
47.5°	1711.9	1452.5	816.4	202.3	49.8	41.0	36.6	38.1	36.6	33.7	32.2
50°	1789.6	1519.9	800.3	108.5	46.9	39.6	35.2	32.2	33.7	30.8	29.3
52.5°	1895.1	1569.7	757.8	66.0	44.0	36.6	32.2	29.3	29.3	26.4	27.8
55°	2040.2	1692.9	678.6	61.6	42.5	35.2	30.8	26.4	26.4	23.5	23.5
57.5°	2104.7	1741.2	551.1	55.7	41.0	35.2	27.8	23.5	20.5	19.1	17.6
60°	2183.9	1813.0	433.8	51.3	38.1	33.7	24.9	20.5	16.1	14.7	14.7
62.5°	2227.8	1827.7	338.6	46.9	36.6	29.3	22.0	16.1	13.2	10.3	10.3
65°	2249.8	1817.4	225.7	42.5	33.7	27.8	19.1	13.2	8.8	7.3	7.3
67.5°	2166.3	1763.2	130.4	39.6	32.2	24.9	16.1	10.3	7.3	5.9	4.4
70°	2024.1	1604.9	82.1	35.2	30.8	22.0	14.7	8.8	5.9	4.4	2.9
72.5°	1857.0	1310.3	60.1	32.2	29.3	19.1	11.7	7.3	4.4	2.9	2.9
75°	1695.8	1141.8	51.3	27.8	24.9	16.1	10.3	5.9	4.4	2.9	1.5
77.5°	1213.6	778.3	45.4	24.9	22.0	13.2	7.3	5.9	2.9	1.5	1.5
80°	861.8	457.3	41.0	20.5	17.6	10.3	7.3	4.4	2.9	1.5	1.5
82.5°	413.3	237.4	39.6	17.6	13.2	8.8	5.9	4.4	2.9	1.5	1.5
85°	187.6	101.1	29.3	16.1	11.7	8.8	5.9	4.4	2.9	2.9	1.5
87.5°	114.3	52.8	23.5	13.2	8.8	7.3	4.4	2.9	2.9	2.9	2.9
90°	107.0	68.9	17.6	10.3	7.3	5.9	4.4	1.5	0.0	0.0	0.0
92.5°	102.6	79.1	13.2	7.3	4.4	4.4	1.5	0.0	0.0	0.0	0.0
95°	96.7	74.7	14.7	4.4	7.3	2.9	1.5	0.0	0.0	0.0	0.0
97.5°	76.2	58.6	16.1	4.4	36.6	2.9	1.5	0.0	0.0	0.0	0.0
100°	48.4	36.6	11.7	4.4	44.0	2.9	0.0	0.0	0.0	0.0	0.0
102.5°	27.8	20.5	5.9	4.4	13.2	1.5	0.0	0.0	0.0	0.0	0.0
105°	11.7	10.3	2.9	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
110°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C015-D-U-T2-7040-HSS-CRTK2

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	1.5	0.0	0.0	0.0	0.0	0.0
115°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
117.5°	1.5	1.5	1.5	1.5	1.5	1.5	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	1.5	1.5	0.0	0.0	0.0	0.0
125°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
127.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
130°	1.5	1.5	1.5	2.9	1.5	1.5	1.5	0.0	0.0	0.0	0.0
132.5°	1.5	1.5	1.5	2.9	1.5	1.5	1.5	0.0	0.0	0.0	0.0
135°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
155°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
160°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
167.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
170°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
172.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.5	1.5	1.5	1.5	1.5	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)