

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: P691328

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4096.1 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
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



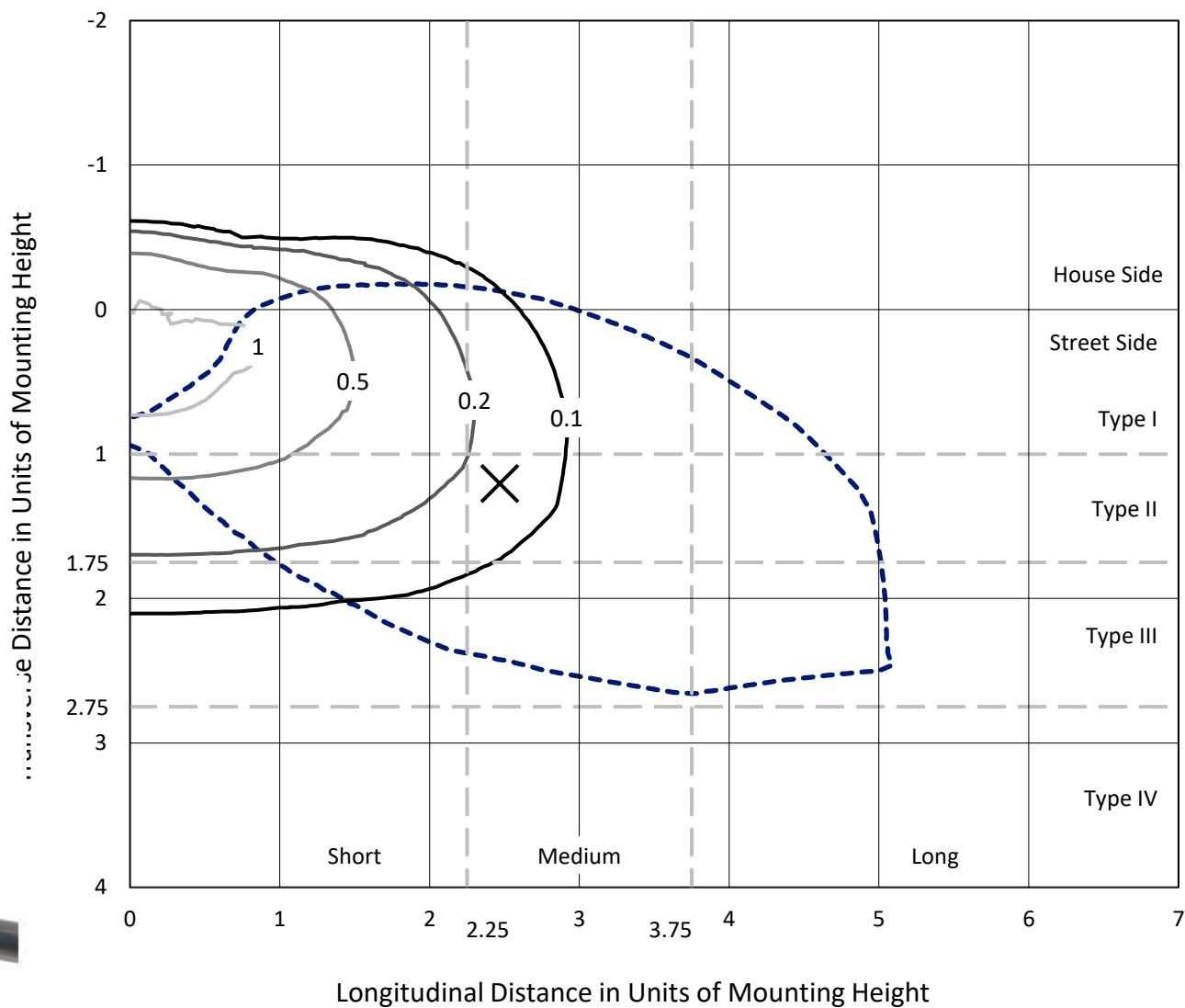
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

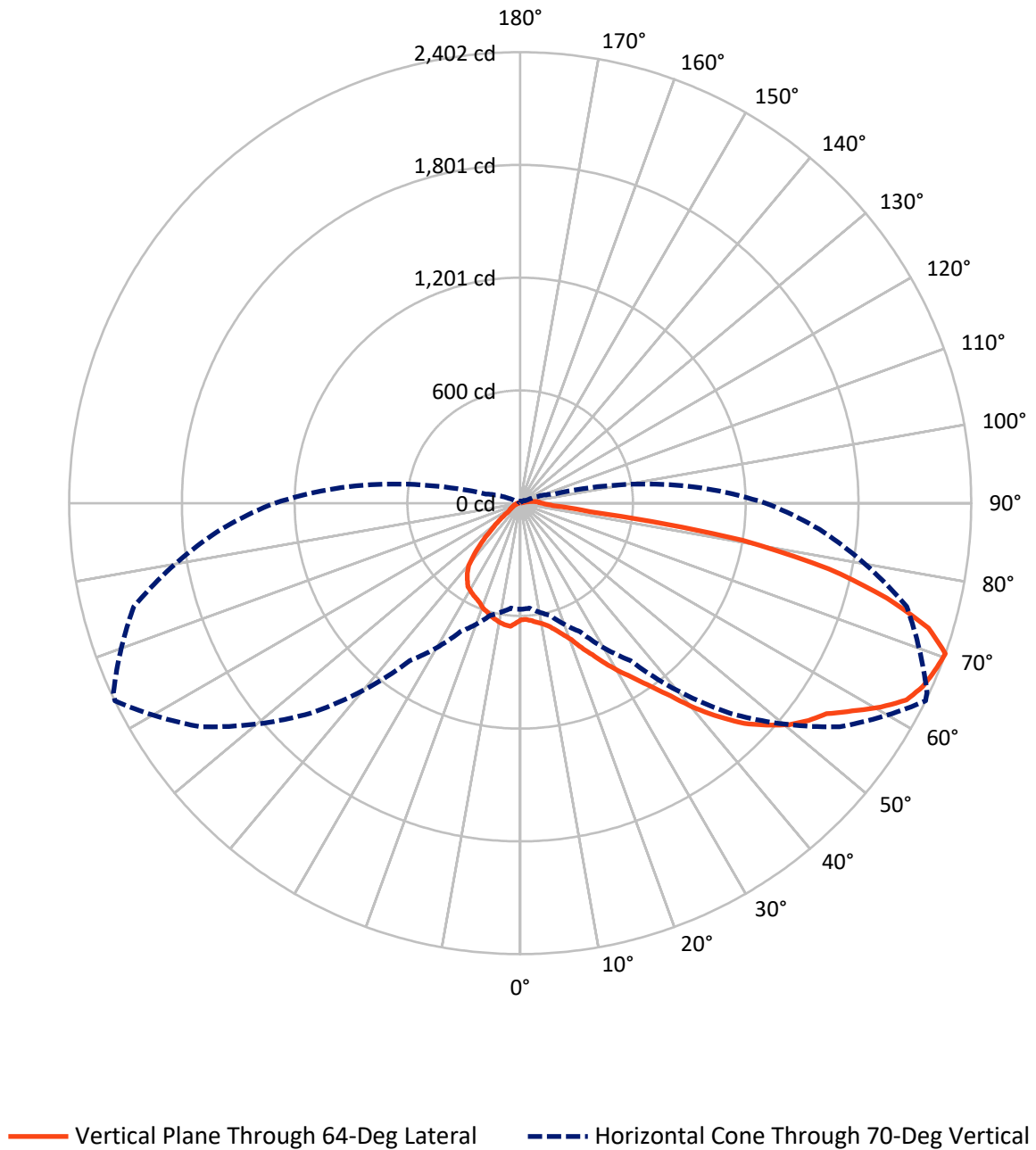


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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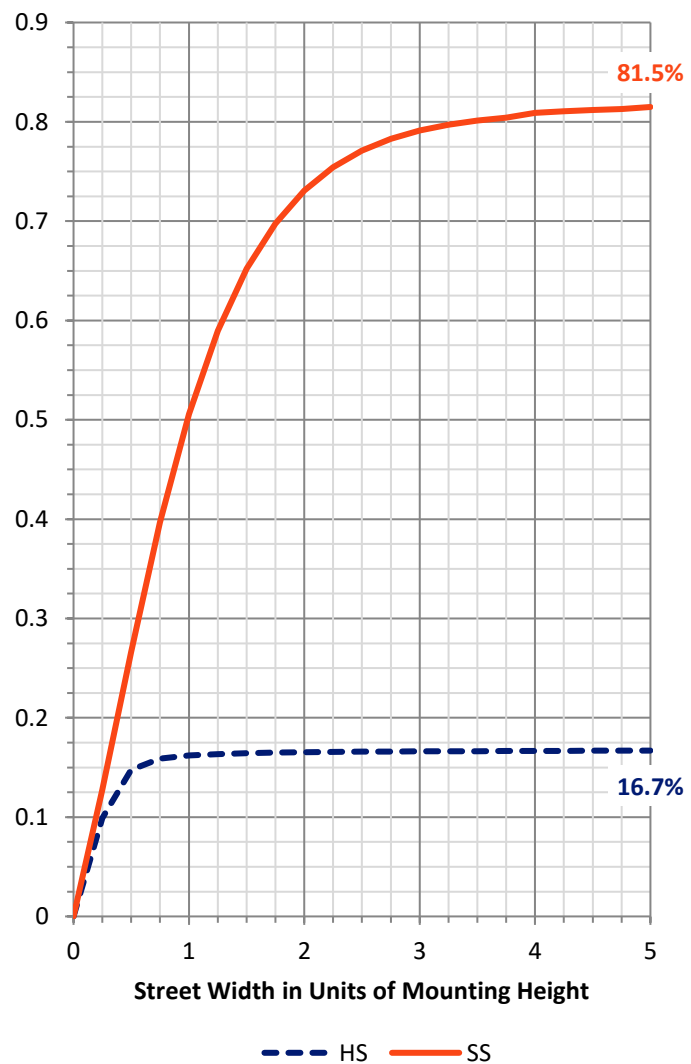
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	694.7	8.5	703.2
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	3358.4	34.6	3392.9
	% Fixture	82.0	0.8	82.8
Total	Lumens	4053.0	43.0	4096.1
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	1.5
10°-20°	188.8	4.6
20°-30°	326.3	8.0
30°-40°	484.2	11.8
40°-50°	665.2	16.2
50°-60°	807.8	19.7
60°-70°	858.2	21.0
70°-80°	567.0	13.8
80°-90°	93.9	2.3
90°-100°	35.0	0.9
100°-110°	5.9	0.1
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4053.0	98.9
0°-180°	4096.1	100.0

Coefficient of Utilization



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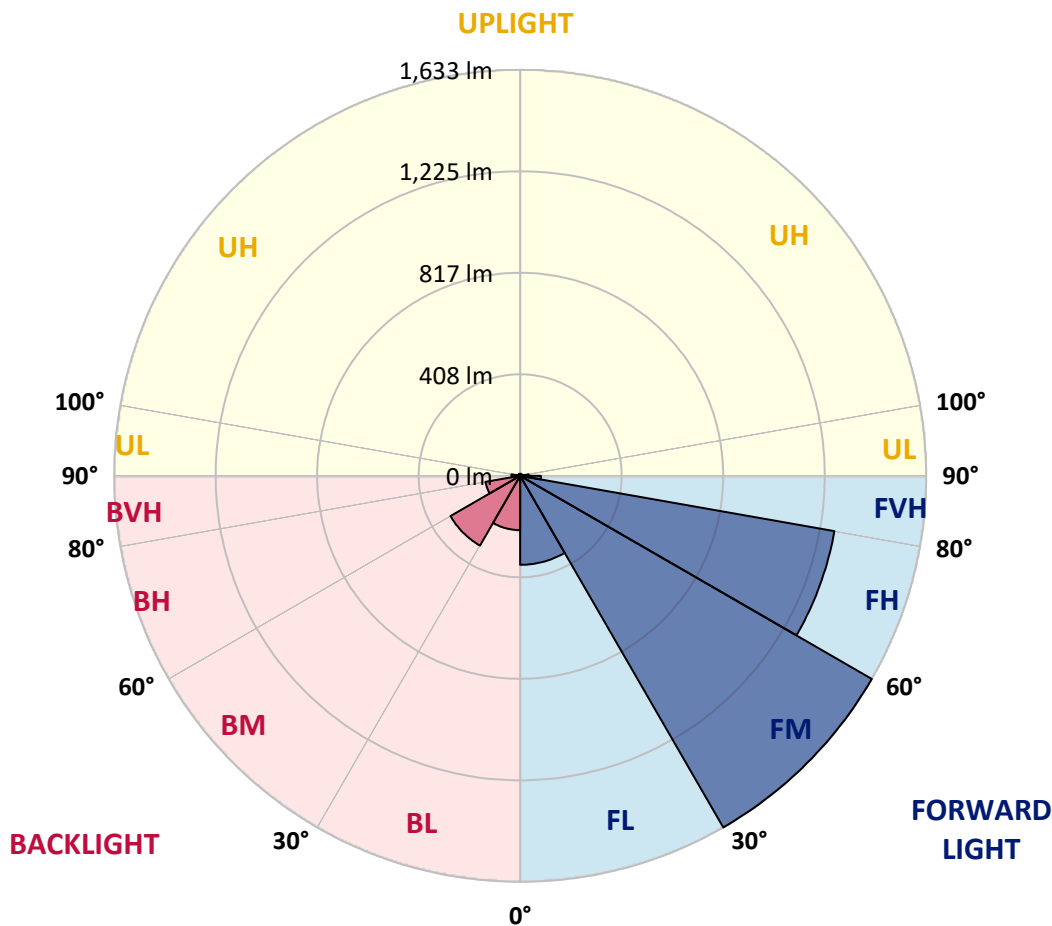
CATALOG NUMBER: CRTK2-C015-D-U-T3-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.0	8.7			
FM	(30°-60°)	1633.4	39.9			
FH	(60°-80°)	1283.6	31.3			G1/1800
FVH	(80°-90°)	83.3	2.0			G1/100
BL	(0°-30°)	218.7	5.3	B1/500		
BM	(30°-60°)	323.8	7.9	B1/1000		
BH	(60°-80°)	141.7	3.5	B1/500		G1/500
BVH	(80°-90°)	10.5	0.3			G1/100
UL	(90°-100°)	35.0	0.9		U2/50	
UH	(100°-180°)	8.0	0.2		U1/10	

BUG Rating: B1-U2-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3
2.5°	625.7	624.3	625.7	624.3	622.8	621.3	619.9	619.9	618.4	619.9	621.3
5°	653.6	655.0	652.1	646.3	638.9	633.1	630.1	628.7	628.7	630.1	636.0
7.5°	674.1	672.6	671.2	669.7	663.8	650.7	643.3	640.4	640.4	637.5	647.7
10°	710.7	707.8	700.5	691.7	685.8	671.2	658.0	653.6	652.1	653.6	662.4
12.5°	750.3	747.4	745.9	737.1	716.6	703.4	681.4	671.2	671.2	671.2	675.6
15°	807.5	803.1	788.4	778.1	760.6	738.6	713.7	699.0	699.0	701.9	690.2
17.5°	848.5	845.6	844.1	826.5	811.8	778.1	759.1	734.2	734.2	740.0	715.1
20°	891.0	888.1	889.5	886.6	864.6	838.2	804.5	775.2	775.2	776.7	741.5
22.5°	948.1	943.7	943.7	942.3	930.5	899.8	860.2	835.3	830.9	819.2	775.2
25°	1005.3	1003.8	1000.9	1002.4	999.4	964.3	921.8	893.9	893.9	877.8	820.6
27.5°	1062.4	1062.4	1061.0	1062.4	1061.0	1039.0	996.5	967.2	968.6	948.1	870.5
30°	1103.5	1102.0	1112.3	1116.7	1119.6	1110.8	1069.8	1037.5	1040.5	1019.9	929.1
32.5°	1141.6	1140.1	1157.7	1167.9	1170.9	1169.4	1135.7	1109.3	1116.7	1097.6	999.4
35°	1176.7	1175.3	1198.7	1225.1	1236.8	1233.9	1211.9	1197.3	1204.6	1203.1	1094.7
37.5°	1203.1	1207.5	1238.3	1274.9	1295.4	1296.9	1286.6	1302.8	1311.6	1340.9	1213.4
40°	1233.9	1233.9	1263.2	1302.8	1339.4	1354.1	1362.8	1436.1	1444.9	1450.8	1292.5
42.5°	1201.7	1210.4	1273.5	1332.1	1379.0	1412.7	1461.0	1556.3	1575.3	1531.4	1389.2
45°	1176.7	1184.1	1248.5	1346.7	1414.1	1477.2	1568.0	1673.5	1688.2	1612.0	1440.5
47.5°	1150.4	1162.1	1228.0	1336.5	1447.8	1556.3	1657.4	1765.8	1779.0	1680.8	1512.3
50°	1119.6	1132.8	1203.1	1321.8	1465.4	1631.0	1738.0	1855.2	1856.7	1740.9	1551.9
52.5°	1090.3	1099.1	1172.3	1302.8	1480.1	1688.2	1814.2	1922.6	1913.9	1817.1	1594.4
55°	1040.5	1058.0	1135.7	1276.4	1487.4	1720.4	1867.0	1979.8	1985.7	1899.2	1651.5
57.5°	995.0	1006.7	1088.8	1238.3	1481.5	1739.5	1918.2	2086.8	2098.5	1972.5	1692.6
60°	937.9	945.2	1024.3	1185.5	1443.4	1771.7	2032.6	2205.5	2218.7	2042.8	1708.7
62.5°	866.1	866.1	945.2	1115.2	1395.1	1795.2	2111.7	2308.1	2308.1	2098.5	1714.6
65°	773.7	778.1	848.5	1019.9	1314.5	1782.0	2135.1	2356.4	2360.8	2138.1	1711.6
67.5°	684.4	682.9	744.4	895.4	1192.9	1713.1	2117.5	2381.3	2398.9	2161.5	1673.5
70°	565.7	561.3	618.4	754.7	1022.9	1582.7	2076.5	2401.8	2390.1	2130.7	1598.8
72.5°	435.2	430.8	473.3	577.4	806.0	1358.5	1956.3	2272.9	2252.4	1963.7	1444.9
75°	309.2	303.3	337.0	405.9	530.5	993.6	1677.9	2016.4	1993.0	1765.8	1206.0
77.5°	175.9	170.0	200.8	256.5	320.9	562.7	1270.5	1680.8	1713.1	1456.6	921.8
80°	77.7	74.7	87.9	123.1	180.2	268.2	691.7	1201.7	1157.7	993.6	524.6
82.5°	65.9	65.9	67.4	70.3	73.3	123.1	259.4	378.1	362.0	291.6	167.1
85°	57.2	55.7	58.6	61.5	63.0	80.6	150.9	181.7	178.8	161.2	115.8
87.5°	46.9	44.0	48.4	51.3	51.3	65.9	112.8	133.4	133.4	134.8	102.6
90°	41.0	41.0	38.1	38.1	39.6	46.9	86.5	109.9	112.8	139.2	118.7
92.5°	35.2	35.2	35.2	35.2	29.3	33.7	61.5	98.2	105.5	136.3	107.0
95°	33.7	32.2	33.7	30.8	29.3	30.8	46.9	86.5	95.3	120.2	93.8
97.5°	23.4	22.0	24.9	24.9	26.4	27.8	39.6	64.5	67.4	89.4	70.3
100°	16.1	14.7	14.7	14.7	19.1	19.1	32.2	39.6	41.0	57.2	46.9
102.5°	8.8	7.3	7.3	7.3	10.3	11.7	16.1	22.0	22.0	30.8	26.4
105°	2.9	2.9	4.4	4.4	4.4	5.9	5.9	7.3	7.3	8.8	11.7
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	1.5

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

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	0.0	1.5
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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	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	0.0	0.0	1.5	1.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	1.5	1.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	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	1.5	1.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
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	1.5
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3
2.5°	622.8	625.7	633.1	637.5	643.3	649.2	653.6	653.6	658.0	655.0	653.6
5°	641.9	643.3	652.1	658.0	656.5	650.7	646.3	643.3	644.8	647.7	647.7
7.5°	655.0	660.9	653.6	653.6	652.1	644.8	636.0	627.2	622.8	621.3	621.3
10°	662.4	656.5	653.6	646.3	630.1	625.7	618.4	602.3	597.9	597.9	592.0
12.5°	666.8	663.8	647.7	634.5	619.9	596.4	580.3	577.4	564.2	562.7	564.2
15°	684.4	669.7	649.2	624.3	596.4	575.9	553.9	530.5	520.2	521.7	523.2
17.5°	696.1	682.9	646.3	606.7	581.8	543.7	518.8	505.6	489.5	489.5	489.5
20°	715.1	693.1	641.9	599.4	540.7	512.9	483.6	468.9	452.8	425.0	422.0
22.5°	740.0	712.2	640.4	577.4	524.6	479.2	436.7	391.3	367.8	351.7	347.3
25°	770.8	738.6	650.7	567.1	493.8	438.2	383.9	322.4	278.4	269.6	269.6
27.5°	823.6	772.3	663.8	556.9	476.3	392.7	307.7	253.5	215.4	203.7	202.2
30°	874.9	814.8	668.2	546.6	442.6	331.2	237.4	180.2	146.5	131.9	129.0
32.5°	955.5	873.4	706.3	537.8	404.5	266.7	168.5	114.3	86.5	77.7	76.2
35°	1037.5	952.5	719.5	514.4	335.6	194.9	96.7	61.5	46.9	39.6	38.1
37.5°	1143.0	1052.2	759.1	489.5	266.7	111.4	54.2	33.7	29.3	29.3	29.3
40°	1204.6	1096.1	794.3	457.2	183.2	57.2	32.2	26.4	26.4	24.9	24.9
42.5°	1283.7	1150.4	825.0	394.2	96.7	35.2	27.8	24.9	22.0	22.0	22.0
45°	1329.1	1185.5	814.8	316.5	45.4	32.2	26.4	22.0	20.5	20.5	20.5
47.5°	1384.8	1229.5	792.8	234.5	39.6	29.3	24.9	20.5	19.1	20.5	20.5
50°	1440.5	1273.5	737.1	180.2	36.6	27.8	22.0	17.6	17.6	19.1	19.1
52.5°	1468.4	1304.2	671.2	124.6	36.6	26.4	20.5	17.6	16.1	16.1	16.1
55°	1500.6	1311.6	615.5	82.1	35.2	24.9	19.1	14.7	14.7	13.2	13.2
57.5°	1518.2	1292.5	574.4	68.9	33.7	23.4	17.6	13.2	11.7	10.3	10.3
60°	1510.9	1264.7	539.3	60.1	30.8	22.0	16.1	11.7	8.8	7.3	7.3
62.5°	1496.2	1241.2	474.8	52.8	29.3	19.1	13.2	10.3	7.3	5.9	5.9
65°	1480.1	1178.2	400.1	45.4	26.4	17.6	11.7	8.8	5.9	4.4	4.4
67.5°	1405.3	1094.7	293.1	41.0	24.9	16.1	10.3	7.3	5.9	4.4	4.4
70°	1307.2	955.5	189.0	35.2	22.0	14.7	10.3	5.9	4.4	2.9	2.9
72.5°	1112.3	779.6	95.3	30.8	20.5	14.7	8.8	5.9	4.4	2.9	1.5
75°	908.6	581.8	61.5	26.4	19.1	14.7	8.8	5.9	2.9	1.5	1.5
77.5°	650.7	315.1	46.9	23.4	16.1	14.7	7.3	4.4	2.9	2.9	1.5
80°	271.1	114.3	38.1	19.1	14.7	13.2	7.3	4.4	2.9	2.9	1.5
82.5°	114.3	79.1	33.7	16.1	13.2	13.2	5.9	4.4	2.9	2.9	2.9
85°	89.4	65.9	29.3	14.7	11.7	14.7	5.9	4.4	4.4	4.4	4.4
87.5°	83.5	67.4	26.4	13.2	11.7	10.3	5.9	4.4	7.3	7.3	8.8
90°	93.8	70.3	20.5	11.7	10.3	8.8	4.4	2.9	2.9	0.0	0.0
92.5°	86.5	64.5	14.7	8.8	13.2	5.9	2.9	0.0	0.0	0.0	0.0
95°	74.7	54.2	8.8	5.9	14.7	7.3	1.5	0.0	0.0	0.0	0.0
97.5°	55.7	39.6	5.9	2.9	11.7	8.8	1.5	0.0	0.0	0.0	0.0
100°	39.6	24.9	4.4	2.9	7.3	8.8	1.5	0.0	0.0	0.0	0.0
102.5°	22.0	13.2	2.9	1.5	2.9	2.9	0.0	0.0	0.0	0.0	0.0
105°	10.3	4.4	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.5	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	1.5	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C015-D-U-T3-7040-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	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	1.5	0.0	0.0	0.0	0.0	0.0
125°	1.5	1.5	1.5	1.5	1.5	1.5	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	1.5	0.0	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	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	1.5	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	0.0	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)