

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: P691336

Luminaire Tested: **CRTK2-C015-D-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691336
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-T3-7050-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4144 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

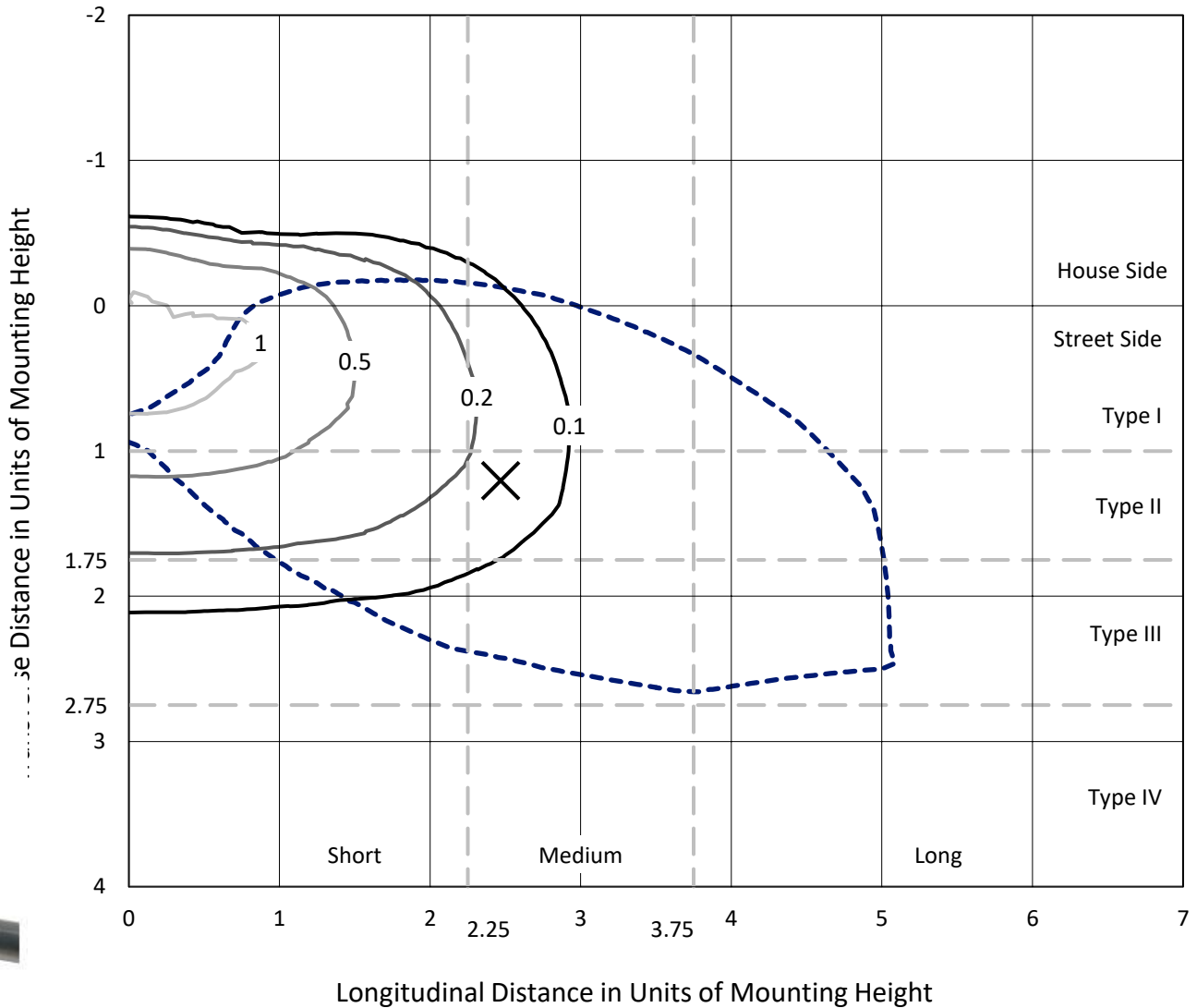
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

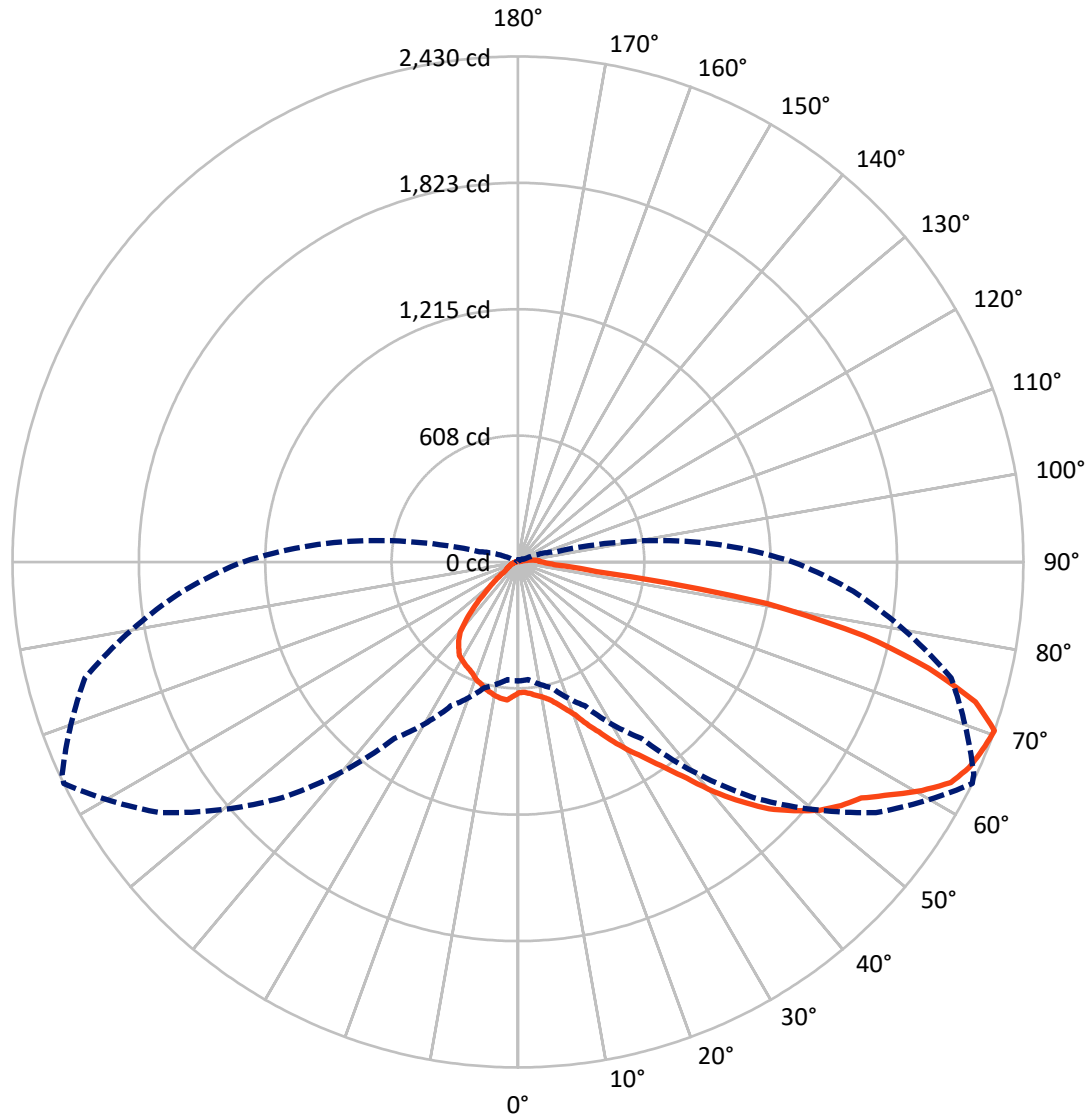
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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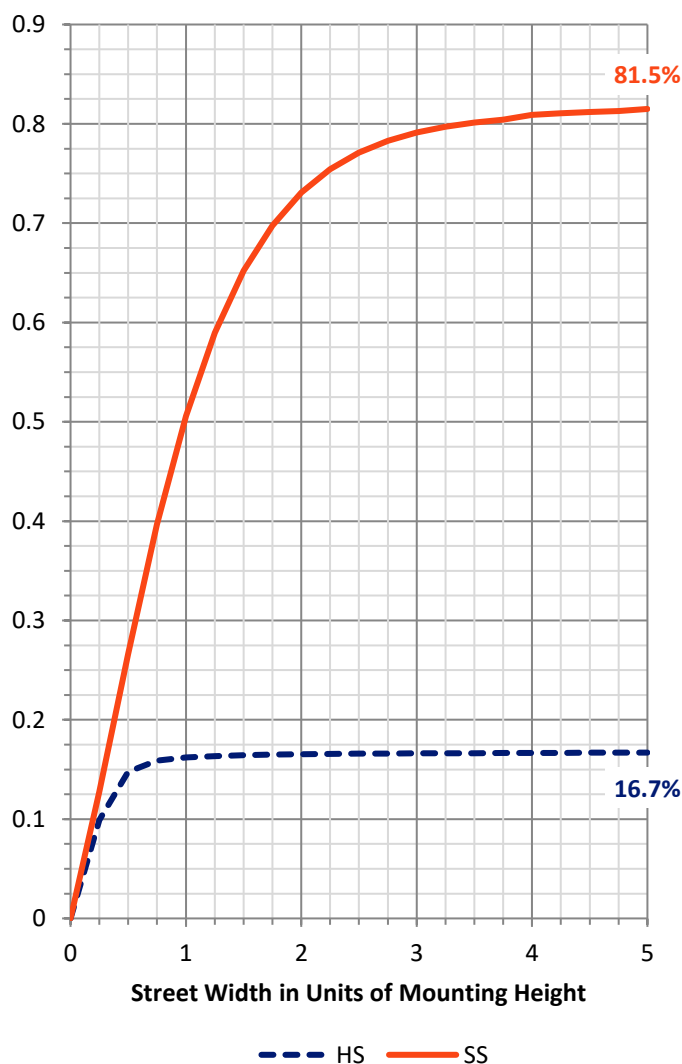
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	702.8	8.6	711.4
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	3397.7	34.9	3432.6
	% Fixture	82.0	0.8	82.8
Total	Lumens	4100.5	43.5	4144.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.5
10°-20°	191.0	4.6
20°-30°	330.2	8.0
30°-40°	489.9	11.8
40°-50°	673.0	16.2
50°-60°	817.3	19.7
60°-70°	868.3	21.0
70°-80°	573.6	13.8
80°-90°	95.0	2.3
90°-100°	35.4	0.9
100°-110°	6.0	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°	4100.5	99.0
0°-180°	4144.0	100.0

Coefficient of Utilization



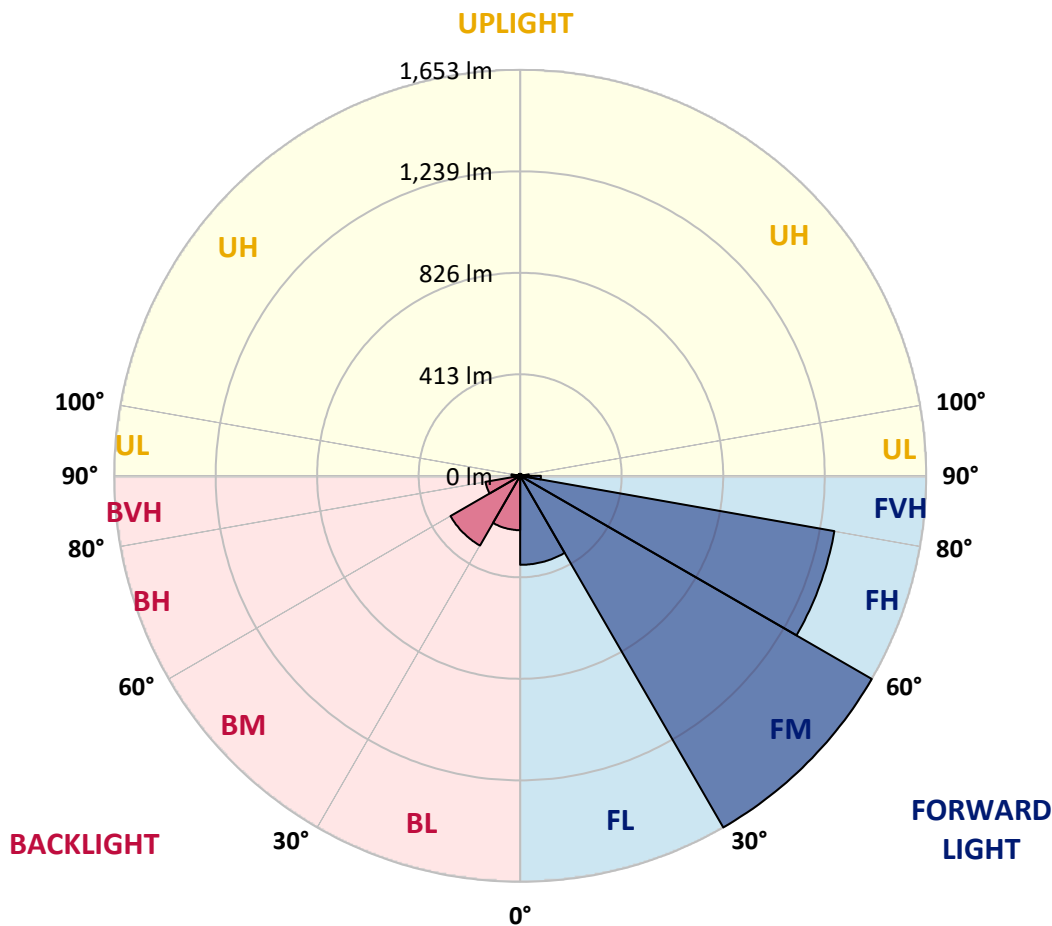
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	362.2	8.7			
FM (30°-60°)	1652.6	39.9			
FH (60°-80°)	1298.6	31.3			G1/1800
FVH (80°-90°)	84.3	2.0			G1/100
BL (0°-30°)	221.2	5.3	B1/500		
BM (30°-60°)	327.6	7.9	B1/1000		
BH (60°-80°)	143.3	3.5	B1/500		G1/500
BVH (80°-90°)	10.7	0.3			G1/100
UL (90°-100°)	35.4	0.9		U2/50	
UH (100°-180°)	8.1	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°	628.6	628.6	628.6	628.6	628.6	628.6	628.6	628.6	628.6	628.6	628.6
2.5°	633.1	631.6	633.1	631.6	630.1	628.6	627.1	627.1	625.7	627.1	628.6
5°	661.2	662.7	659.8	653.8	646.4	640.5	637.5	636.0	636.0	637.5	643.4
7.5°	682.0	680.5	679.0	677.5	671.6	658.3	650.9	647.9	647.9	644.9	655.3
10°	719.1	716.1	708.7	699.8	693.9	679.0	665.7	661.2	659.8	661.2	670.1
12.5°	759.1	756.1	754.6	745.7	725.0	711.6	689.4	679.0	679.0	679.0	683.5
15°	816.9	812.5	797.6	787.3	769.5	747.2	722.0	707.2	707.2	710.2	698.3
17.5°	858.4	855.5	854.0	836.2	821.4	787.3	768.0	742.8	742.8	748.7	723.5
20°	901.4	898.5	899.9	897.0	874.7	848.0	813.9	784.3	784.3	785.8	750.2
22.5°	959.2	954.8	954.8	953.3	941.5	910.3	870.3	845.1	840.6	828.8	784.3
25°	1017.1	1015.6	1012.6	1014.1	1011.1	975.6	932.6	904.4	904.4	888.1	830.3
27.5°	1074.9	1074.9	1073.4	1074.9	1073.4	1051.2	1008.2	978.5	980.0	959.2	880.7
30°	1116.4	1114.9	1125.3	1129.7	1132.7	1123.8	1082.3	1049.7	1052.6	1031.9	940.0
32.5°	1154.9	1153.5	1171.3	1181.6	1184.6	1183.1	1149.0	1122.3	1129.7	1110.5	1011.1
35°	1190.5	1189.0	1212.8	1239.5	1251.3	1248.4	1226.1	1211.3	1218.7	1217.2	1107.5
37.5°	1217.2	1221.7	1252.8	1289.9	1310.6	1312.1	1301.7	1318.0	1326.9	1356.6	1227.6
40°	1248.4	1248.4	1278.0	1318.0	1355.1	1369.9	1378.8	1453.0	1461.8	1467.8	1307.7
42.5°	1215.7	1224.6	1288.4	1347.7	1395.1	1429.2	1478.2	1574.5	1593.8	1549.3	1405.5
45°	1190.5	1197.9	1263.2	1362.5	1430.7	1494.5	1586.4	1693.1	1708.0	1630.9	1457.4
47.5°	1163.8	1175.7	1242.4	1352.1	1464.8	1574.5	1676.8	1786.5	1799.9	1700.5	1530.0
50°	1132.7	1146.1	1217.2	1337.3	1482.6	1650.1	1758.4	1877.0	1878.5	1761.3	1570.1
52.5°	1103.1	1112.0	1186.1	1318.0	1497.4	1708.0	1835.5	1945.2	1936.3	1838.4	1613.1
55°	1052.6	1070.4	1149.0	1291.3	1504.8	1740.6	1888.8	2003.0	2008.9	1921.5	1670.9
57.5°	1006.7	1018.5	1101.6	1252.8	1498.9	1759.8	1940.7	2111.2	2123.1	1995.6	1712.4
60°	948.9	956.3	1036.3	1199.4	1460.4	1792.5	2056.4	2231.3	2244.7	2066.7	1728.7
62.5°	876.2	876.2	956.3	1128.3	1411.4	1816.2	2136.4	2335.1	2335.1	2123.1	1734.6
65°	782.8	787.3	858.4	1031.9	1329.9	1802.8	2160.2	2384.0	2388.5	2163.1	1731.7
67.5°	692.4	690.9	753.2	905.9	1206.8	1733.2	2142.4	2409.2	2427.0	2186.8	1693.1
70°	572.3	567.8	625.7	763.5	1034.9	1601.2	2100.8	2430.0	2418.1	2155.7	1617.5
72.5°	440.3	435.9	478.9	584.1	815.4	1374.4	1979.3	2299.5	2278.8	1986.7	1461.8
75°	312.8	306.9	341.0	410.7	536.7	1005.2	1697.6	2040.1	2016.3	1786.5	1220.2
77.5°	177.9	172.0	203.1	259.5	324.7	569.3	1285.4	1700.5	1733.2	1473.7	932.6
80°	78.6	75.6	89.0	124.5	182.4	271.3	699.8	1215.7	1171.3	1005.2	530.8
82.5°	66.7	66.7	68.2	71.2	74.1	124.5	262.4	382.5	366.2	295.0	169.0
85°	57.8	56.3	59.3	62.3	63.8	81.5	152.7	183.8	180.9	163.1	117.1
87.5°	47.4	44.5	48.9	51.9	51.9	66.7	114.2	134.9	134.9	136.4	103.8
90°	41.5	41.5	38.5	38.5	40.0	47.4	87.5	111.2	114.2	140.8	120.1
92.5°	35.6	35.6	35.6	35.6	29.7	34.1	62.3	99.3	106.7	137.9	108.2
95°	34.1	32.6	34.1	31.1	29.7	31.1	47.4	87.5	96.4	121.6	94.9
97.5°	23.7	22.2	25.2	25.2	26.7	28.2	40.0	65.2	68.2	90.4	71.2
100°	16.3	14.8	14.8	14.8	19.3	19.3	32.6	40.0	41.5	57.8	47.4
102.5°	8.9	7.4	7.4	7.4	10.4	11.9	16.3	22.2	22.2	31.1	26.7
105°	3.0	3.0	4.4	4.4	4.4	5.9	5.9	7.4	7.4	8.9	11.9
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-T3-7050-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°	628.6	628.6	628.6	628.6	628.6	628.6	628.6	628.6	628.6	628.6	628.6
2.5°	630.1	633.1	640.5	644.9	650.9	656.8	661.2	661.2	665.7	662.7	661.2
5°	649.4	650.9	659.8	665.7	664.2	658.3	653.8	650.9	652.3	655.3	655.3
7.5°	662.7	668.7	661.2	661.2	659.8	652.3	643.4	634.6	630.1	628.6	628.6
10°	670.1	664.2	661.2	653.8	637.5	633.1	625.7	609.3	604.9	604.9	599.0
12.5°	674.6	671.6	655.3	642.0	627.1	603.4	587.1	584.1	570.8	569.3	570.8
15°	692.4	677.5	656.8	631.6	603.4	582.7	560.4	536.7	526.3	527.8	529.3
17.5°	704.2	690.9	653.8	613.8	588.6	550.0	524.8	511.5	495.2	495.2	495.2
20°	723.5	701.3	649.4	606.4	547.1	518.9	489.3	474.4	458.1	430.0	427.0
22.5°	748.7	720.5	647.9	584.1	530.8	484.8	441.8	395.9	372.1	355.8	351.4
25°	779.8	747.2	658.3	573.8	499.6	443.3	388.4	326.2	281.7	272.8	272.8
27.5°	833.2	781.3	671.6	563.4	481.8	397.3	311.3	256.5	217.9	206.1	204.6
30°	885.1	824.3	676.1	553.0	447.7	335.1	240.2	182.4	148.3	133.4	130.5
32.5°	966.7	883.6	714.6	544.1	409.2	269.8	170.5	115.6	87.5	78.6	77.1
35°	1049.7	963.7	728.0	520.4	339.5	197.2	97.9	62.3	47.4	40.0	38.5
37.5°	1156.4	1064.5	768.0	495.2	269.8	112.7	54.9	34.1	29.7	29.7	29.7
40°	1218.7	1109.0	803.6	462.6	185.3	57.8	32.6	26.7	26.7	25.2	25.2
42.5°	1298.8	1163.8	834.7	398.8	97.9	35.6	28.2	25.2	22.2	22.2	22.2
45°	1344.7	1199.4	824.3	320.2	46.0	32.6	26.7	22.2	20.8	20.8	20.8
47.5°	1401.1	1243.9	802.1	237.2	40.0	29.7	25.2	20.8	19.3	20.8	20.8
50°	1457.4	1288.4	745.7	182.4	37.1	28.2	22.2	17.8	17.8	19.3	19.3
52.5°	1485.6	1319.5	679.0	126.0	37.1	26.7	20.8	17.8	16.3	16.3	16.3
55°	1518.2	1326.9	622.7	83.0	35.6	25.2	19.3	14.8	14.8	13.3	13.3
57.5°	1536.0	1307.7	581.2	69.7	34.1	23.7	17.8	13.3	11.9	10.4	10.4
60°	1528.6	1279.5	545.6	60.8	31.1	22.2	16.3	11.9	8.9	7.4	7.4
62.5°	1513.7	1255.8	480.4	53.4	29.7	19.3	13.3	10.4	7.4	5.9	5.9
65°	1497.4	1192.0	404.8	46.0	26.7	17.8	11.9	8.9	5.9	4.4	4.4
67.5°	1421.8	1107.5	296.5	41.5	25.2	16.3	10.4	7.4	5.9	4.4	4.4
70°	1322.5	966.7	191.3	35.6	22.2	14.8	10.4	5.9	4.4	3.0	3.0
72.5°	1125.3	788.7	96.4	31.1	20.8	14.8	8.9	5.9	4.4	3.0	1.5
75°	919.2	588.6	62.3	26.7	19.3	14.8	8.9	5.9	3.0	1.5	1.5
77.5°	658.3	318.8	47.4	23.7	16.3	14.8	7.4	4.4	3.0	3.0	1.5
80°	274.3	115.6	38.5	19.3	14.8	13.3	7.4	4.4	3.0	3.0	1.5
82.5°	115.6	80.1	34.1	16.3	13.3	13.3	5.9	4.4	3.0	3.0	3.0
85°	90.4	66.7	29.7	14.8	11.9	14.8	5.9	4.4	4.4	4.4	4.4
87.5°	84.5	68.2	26.7	13.3	11.9	10.4	5.9	4.4	7.4	7.4	8.9
90°	94.9	71.2	20.8	11.9	10.4	8.9	4.4	3.0	3.0	0.0	0.0
92.5°	87.5	65.2	14.8	8.9	13.3	5.9	3.0	0.0	0.0	0.0	0.0
95°	75.6	54.9	8.9	5.9	14.8	7.4	1.5	0.0	0.0	0.0	0.0
97.5°	56.3	40.0	5.9	3.0	11.9	8.9	1.5	0.0	0.0	0.0	0.0
100°	40.0	25.2	4.4	3.0	7.4	8.9	1.5	0.0	0.0	0.0	0.0
102.5°	22.2	13.3	3.0	1.5	3.0	3.0	0.0	0.0	0.0	0.0	0.0
105°	10.4	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



REPORT NUMBER: P691336
 CATALOG NUMBER: CRTK2-C015-D-U-T3-7050-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)