

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: P691060

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691060
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-C013-5TLD-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: 3341 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

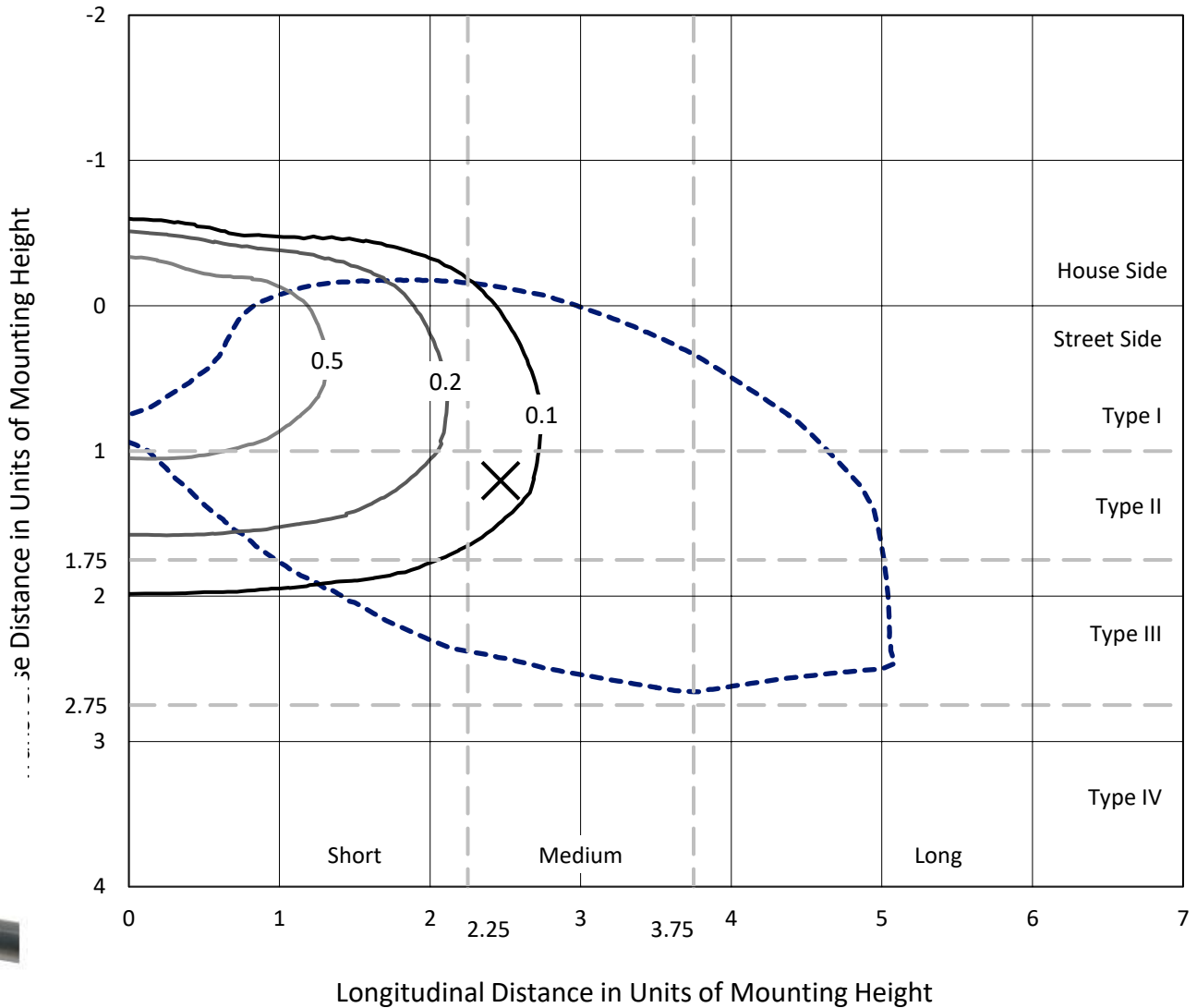
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

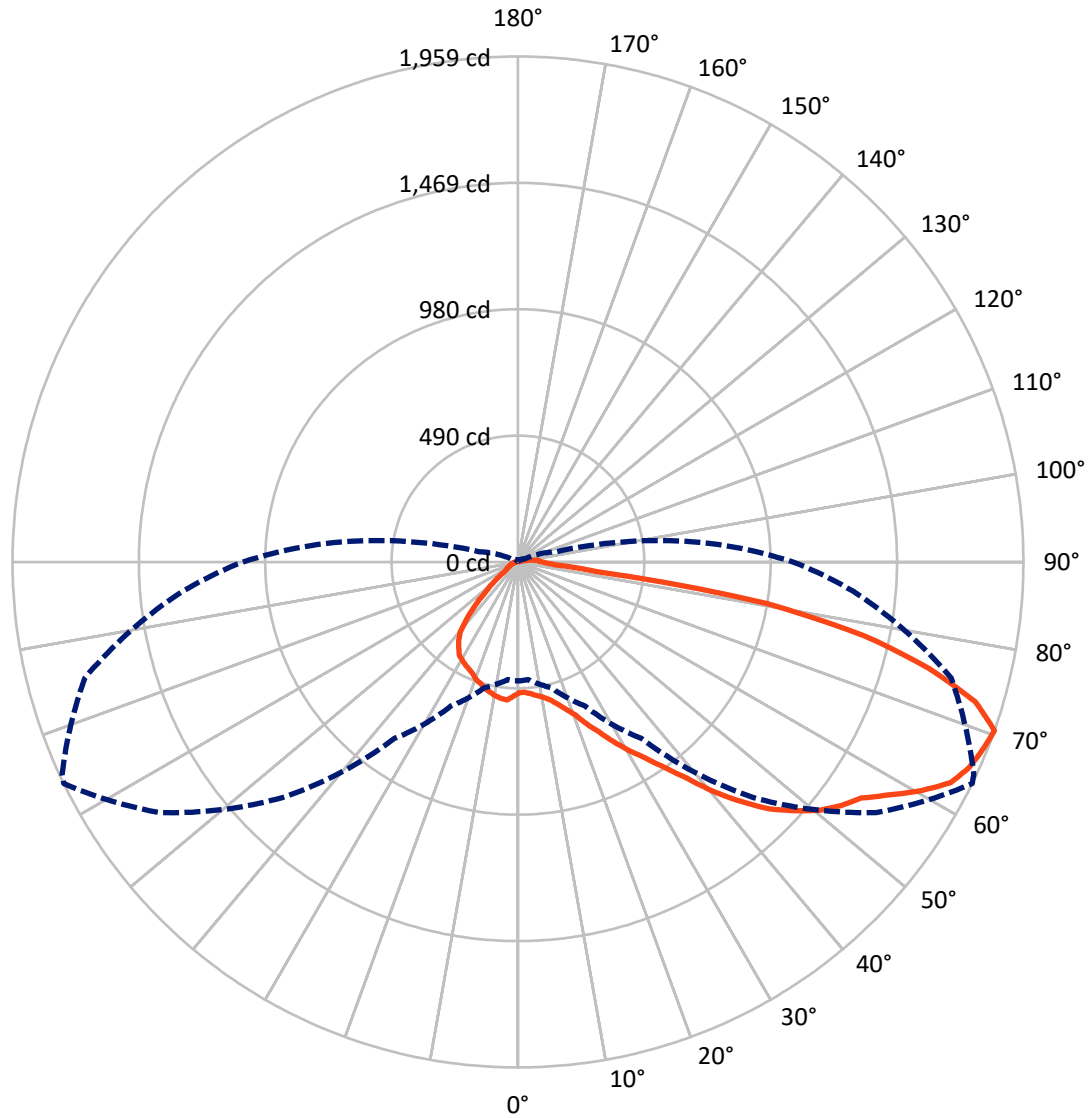
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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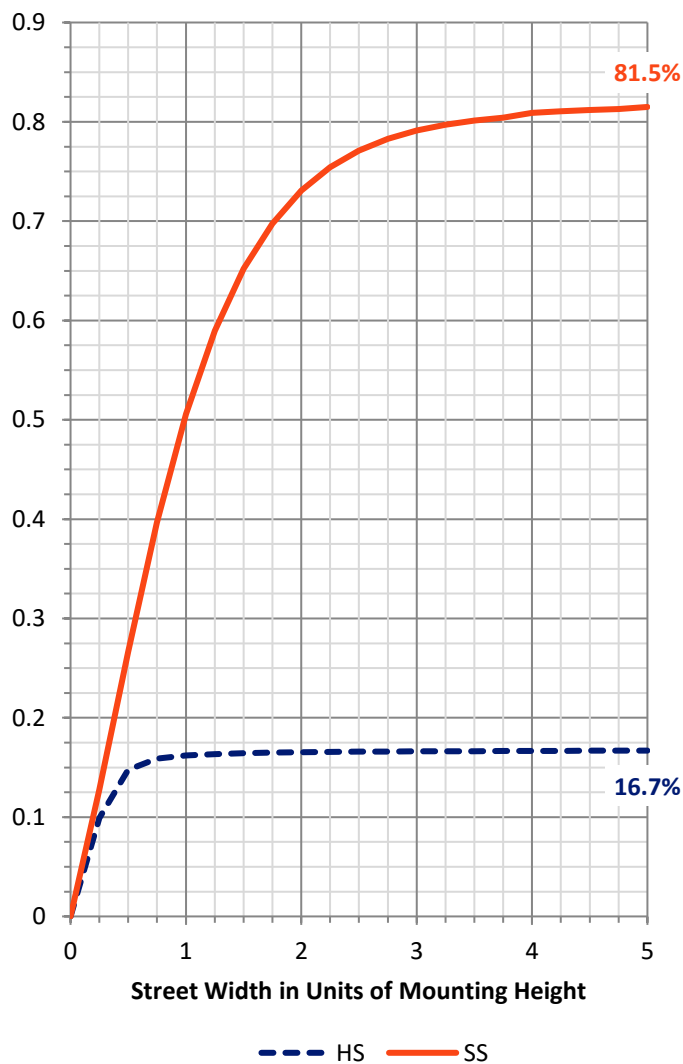
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	566.6	6.9	573.5
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	2739.3	28.2	2767.5
	% Fixture	82.0	0.8	82.8
Total	Lumens	3305.9	35.1	3341.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	1.5
10°-20°	154.0	4.6
20°-30°	266.2	8.0
30°-40°	395.0	11.8
40°-50°	542.6	16.2
50°-60°	658.9	19.7
60°-70°	700.0	21.0
70°-80°	462.5	13.8
80°-90°	76.6	2.3
90°-100°	28.6	0.9
100°-110°	4.8	0.1
110°-120°	0.4	0.0
120°-130°	0.4	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3305.9	98.9
0°-180°	3341.0	100.0

Coefficient of Utilization



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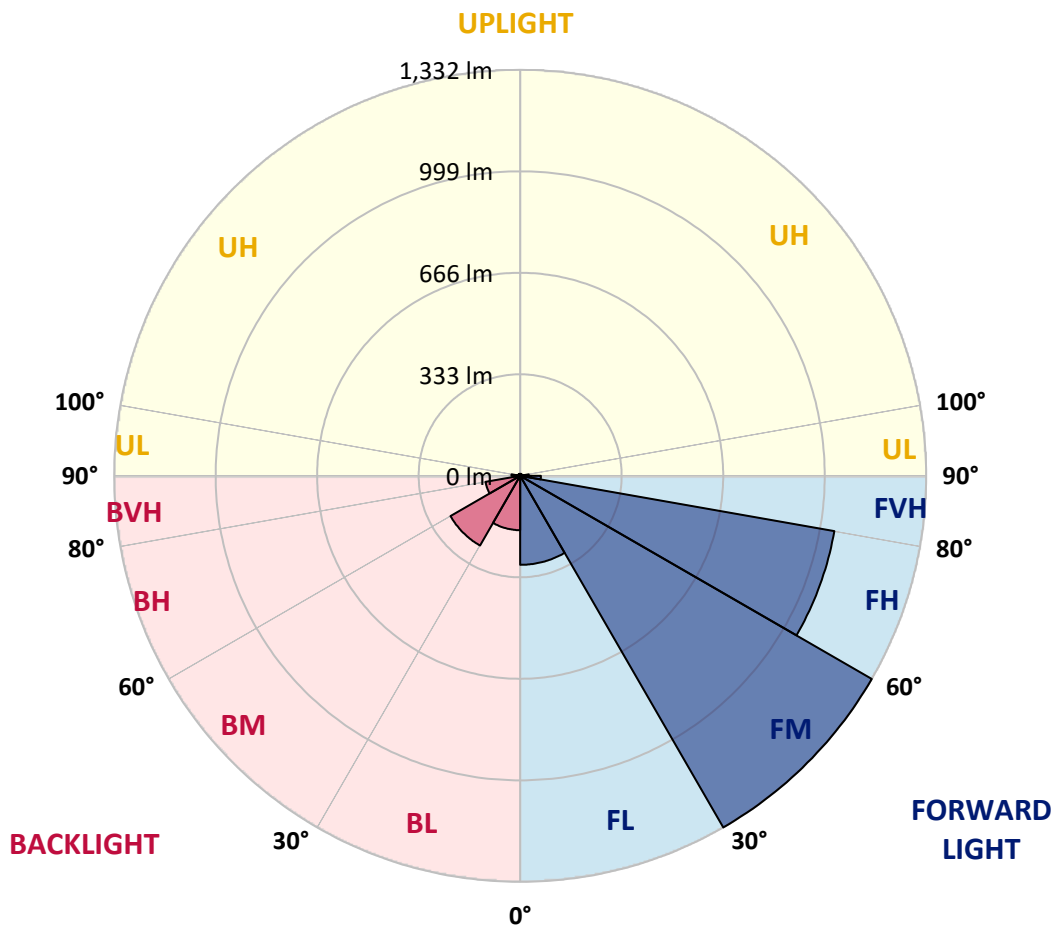
CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.0	8.7			
FM (30°-60°)	1332.3	39.9			
FH (60°-80°)	1047.0	31.3			G1/1800
FVH (80°-90°)	68.0	2.0			G1/100
BL (0°-30°)	178.4	5.3	B1/500		
BM (30°-60°)	264.1	7.9	B1/1000		
BH (60°-80°)	115.5	3.5	B1/500		G1/500
BVH (80°-90°)	8.6	0.3			G0/10
UL (90°-100°)	28.6	0.9		U2/50	
UH (100°-180°)	6.5	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°	506.8	506.8	506.8	506.8	506.8	506.8	506.8	506.8	506.8	506.8	506.8
2.5°	510.4	509.2	510.4	509.2	508.0	506.8	505.6	505.6	504.4	505.6	506.8
5°	533.1	534.3	531.9	527.1	521.2	516.4	514.0	512.8	512.8	514.0	518.8
7.5°	549.8	548.6	547.5	546.3	541.5	530.7	524.7	522.4	522.4	520.0	528.3
10°	579.7	577.3	571.4	564.2	559.4	547.5	536.7	533.1	531.9	533.1	540.3
12.5°	612.0	609.6	608.4	601.2	584.5	573.7	555.8	547.5	547.5	547.5	551.0
15°	658.6	655.0	643.1	634.7	620.4	602.4	582.1	570.2	570.2	572.6	563.0
17.5°	692.1	689.7	688.5	674.2	662.2	634.7	619.2	598.9	598.9	603.6	583.3
20°	726.7	724.4	725.6	723.2	705.2	683.7	656.2	632.3	632.3	633.5	604.8
22.5°	773.4	769.8	769.8	768.6	759.0	733.9	701.6	681.3	677.7	668.2	632.3
25°	820.0	818.8	816.4	817.6	815.2	786.5	751.9	729.1	729.1	716.0	669.4
27.5°	866.6	866.6	865.4	866.6	865.4	847.5	812.8	788.9	790.1	773.4	710.0
30°	900.1	898.9	907.2	910.8	913.2	906.0	872.6	846.3	848.7	831.9	757.8
32.5°	931.1	930.0	944.3	952.7	955.1	953.9	926.4	904.9	910.8	895.3	815.2
35°	959.8	958.6	977.8	999.3	1008.8	1006.5	988.5	976.6	982.5	981.4	892.9
37.5°	981.4	984.9	1010.0	1039.9	1056.7	1057.9	1049.5	1062.6	1069.8	1093.7	989.7
40°	1006.5	1006.5	1030.4	1062.6	1092.5	1104.5	1111.6	1171.4	1178.6	1183.4	1054.3
42.5°	980.2	987.3	1038.7	1086.5	1124.8	1152.3	1191.7	1269.4	1285.0	1249.1	1133.2
45°	959.8	965.8	1018.4	1098.5	1153.5	1204.9	1279.0	1365.0	1377.0	1314.8	1175.0
47.5°	938.3	947.9	1001.7	1090.1	1181.0	1269.4	1351.9	1440.4	1451.1	1371.0	1233.6
50°	913.2	924.0	981.4	1078.2	1195.3	1330.4	1417.6	1513.3	1514.5	1420.0	1265.8
52.5°	889.3	896.5	956.2	1062.6	1207.3	1377.0	1479.8	1568.2	1561.1	1482.2	1300.5
55°	848.7	863.0	926.4	1041.1	1213.2	1403.3	1522.8	1614.9	1619.6	1549.1	1347.1
57.5°	811.6	821.2	888.1	1010.0	1208.5	1418.8	1564.7	1702.1	1711.7	1608.9	1380.6
60°	765.0	771.0	835.5	967.0	1177.4	1445.1	1657.9	1798.9	1809.7	1666.3	1393.7
62.5°	706.4	706.4	771.0	909.6	1137.9	1464.3	1722.4	1882.6	1882.6	1711.7	1398.5
65°	631.1	634.7	692.1	831.9	1072.2	1453.5	1741.6	1922.1	1925.6	1744.0	1396.1
67.5°	558.2	557.0	607.2	730.3	973.0	1397.3	1727.2	1942.4	1956.7	1763.1	1365.0
70°	461.4	457.8	504.4	615.6	834.3	1290.9	1693.8	1959.1	1949.6	1738.0	1304.1
72.5°	355.0	351.4	386.1	471.0	657.4	1108.1	1595.7	1853.9	1837.2	1601.7	1178.6
75°	252.2	247.4	274.9	331.1	432.7	810.4	1368.6	1644.7	1625.6	1440.4	983.7
77.5°	143.4	138.7	163.8	209.2	261.8	459.0	1036.3	1371.0	1397.3	1188.1	751.9
80°	63.4	61.0	71.7	100.4	147.0	218.7	564.2	980.2	944.3	810.4	427.9
82.5°	53.8	53.8	55.0	57.4	59.8	100.4	211.6	308.4	295.2	237.9	136.3
85°	46.6	45.4	47.8	50.2	51.4	65.7	123.1	148.2	145.8	131.5	94.4
87.5°	38.2	35.9	39.4	41.8	41.8	53.8	92.0	108.8	108.8	110.0	83.7
90°	33.5	33.5	31.1	31.1	32.3	38.2	70.5	89.6	92.0	113.6	96.8
92.5°	28.7	28.7	28.7	28.7	23.9	27.5	50.2	80.1	86.1	111.2	87.3
95°	27.5	26.3	27.5	25.1	23.9	25.1	38.2	70.5	77.7	98.0	76.5
97.5°	19.1	17.9	20.3	20.3	21.5	22.7	32.3	52.6	55.0	72.9	57.4
100°	13.1	12.0	12.0	12.0	15.5	15.5	26.3	32.3	33.5	46.6	38.2
102.5°	7.2	6.0	6.0	6.0	8.4	9.6	13.1	17.9	17.9	25.1	21.5
105°	2.4	2.4	3.6	3.6	3.6	4.8	4.8	6.0	6.0	7.2	9.6
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2



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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	0.0	1.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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°	506.8	506.8	506.8	506.8	506.8	506.8	506.8	506.8	506.8	506.8	506.8
2.5°	508.0	510.4	516.4	520.0	524.7	529.5	533.1	533.1	536.7	534.3	533.1
5°	523.5	524.7	531.9	536.7	535.5	530.7	527.1	524.7	525.9	528.3	528.3
7.5°	534.3	539.1	533.1	533.1	531.9	525.9	518.8	511.6	508.0	506.8	506.8
10°	540.3	535.5	533.1	527.1	514.0	510.4	504.4	491.3	487.7	487.7	482.9
12.5°	543.9	541.5	528.3	517.6	505.6	486.5	473.3	471.0	460.2	459.0	460.2
15°	558.2	546.3	529.5	509.2	486.5	469.8	451.8	432.7	424.3	425.5	426.7
17.5°	567.8	557.0	527.1	494.9	474.5	443.5	423.1	412.4	399.2	399.2	399.2
20°	583.3	565.4	523.5	488.9	441.1	418.4	394.5	382.5	369.4	346.6	344.2
22.5°	603.6	580.9	522.4	471.0	427.9	390.9	356.2	319.1	300.0	286.9	283.3
25°	628.7	602.4	530.7	462.6	402.8	357.4	313.2	263.0	227.1	219.9	219.9
27.5°	671.8	629.9	541.5	454.2	388.5	320.3	251.0	206.8	175.7	166.1	165.0
30°	713.6	664.6	545.1	445.9	361.0	270.1	193.6	147.0	119.5	107.6	105.2
32.5°	779.3	712.4	576.1	438.7	329.9	217.5	137.5	93.2	70.5	63.4	62.2
35°	846.3	777.0	586.9	419.6	273.7	159.0	78.9	50.2	38.2	32.3	31.1
37.5°	932.3	858.2	619.2	399.2	217.5	90.8	44.2	27.5	23.9	23.9	23.9
40°	982.5	894.1	647.9	372.9	149.4	46.6	26.3	21.5	21.5	20.3	20.3
42.5°	1047.1	938.3	673.0	321.5	78.9	28.7	22.7	20.3	17.9	17.9	17.9
45°	1084.1	967.0	664.6	258.2	37.1	26.3	21.5	17.9	16.7	16.7	16.7
47.5°	1129.6	1002.9	646.7	191.2	32.3	23.9	20.3	16.7	15.5	16.7	16.7
50°	1175.0	1038.7	601.2	147.0	29.9	22.7	17.9	14.3	14.3	15.5	15.5
52.5°	1197.7	1063.8	547.5	101.6	29.9	21.5	16.7	14.3	13.1	13.1	13.1
55°	1224.0	1069.8	502.0	66.9	28.7	20.3	15.5	12.0	12.0	10.8	10.8
57.5°	1238.3	1054.3	468.6	56.2	27.5	19.1	14.3	10.8	9.6	8.4	8.4
60°	1232.4	1031.6	439.9	49.0	25.1	17.9	13.1	9.6	7.2	6.0	6.0
62.5°	1220.4	1012.4	387.3	43.0	23.9	15.5	10.8	8.4	6.0	4.8	4.8
65°	1207.3	961.0	326.3	37.1	21.5	14.3	9.6	7.2	4.8	3.6	3.6
67.5°	1146.3	892.9	239.1	33.5	20.3	13.1	8.4	6.0	4.8	3.6	3.6
70°	1066.2	779.3	154.2	28.7	17.9	12.0	8.4	4.8	3.6	2.4	2.4
72.5°	907.2	635.9	77.7	25.1	16.7	12.0	7.2	4.8	3.6	2.4	1.2
75°	741.1	474.5	50.2	21.5	15.5	12.0	7.2	4.8	2.4	1.2	1.2
77.5°	530.7	257.0	38.2	19.1	13.1	12.0	6.0	3.6	2.4	2.4	1.2
80°	221.1	93.2	31.1	15.5	12.0	10.8	6.0	3.6	2.4	2.4	1.2
82.5°	93.2	64.5	27.5	13.1	10.8	10.8	4.8	3.6	2.4	2.4	2.4
85°	72.9	53.8	23.9	12.0	9.6	12.0	4.8	3.6	3.6	3.6	3.6
87.5°	68.1	55.0	21.5	10.8	9.6	8.4	4.8	3.6	6.0	6.0	7.2
90°	76.5	57.4	16.7	9.6	8.4	7.2	3.6	2.4	2.4	0.0	0.0
92.5°	70.5	52.6	12.0	7.2	10.8	4.8	2.4	0.0	0.0	0.0	0.0
95°	61.0	44.2	7.2	4.8	12.0	6.0	1.2	0.0	0.0	0.0	0.0
97.5°	45.4	32.3	4.8	2.4	9.6	7.2	1.2	0.0	0.0	0.0	0.0
100°	32.3	20.3	3.6	2.4	6.0	7.2	1.2	0.0	0.0	0.0	0.0
102.5°	17.9	10.8	2.4	1.2	2.4	2.4	0.0	0.0	0.0	0.0	0.0
105°	8.4	3.6	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691060
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
115°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
122.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
125°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
127.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
130°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
132.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
135°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
140°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
145°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
150°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
157.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.2	1.2	1.2	1.2	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)