

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: P691276

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3185.9 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 32.7
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

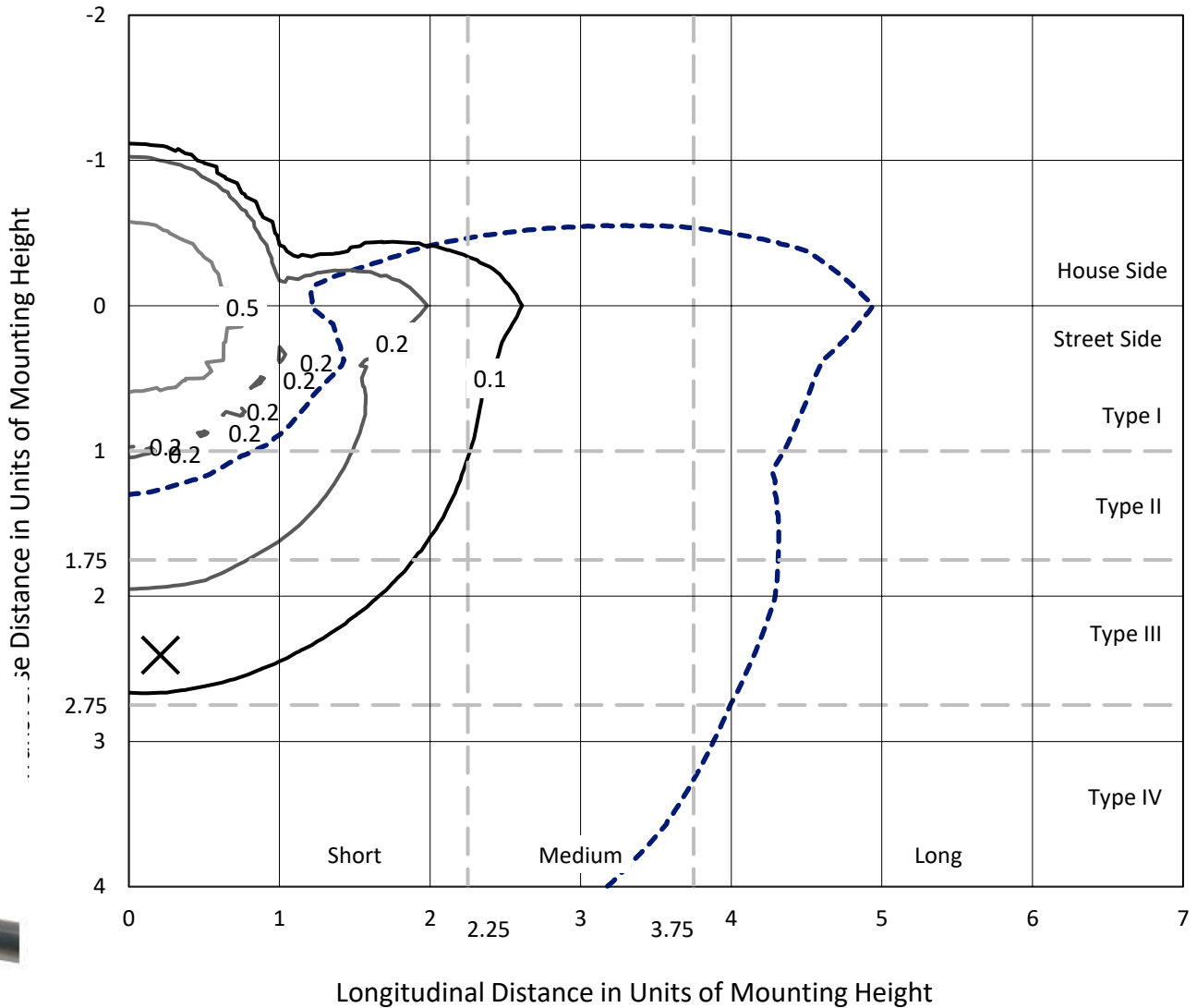


REPORT NUMBER: P691276

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

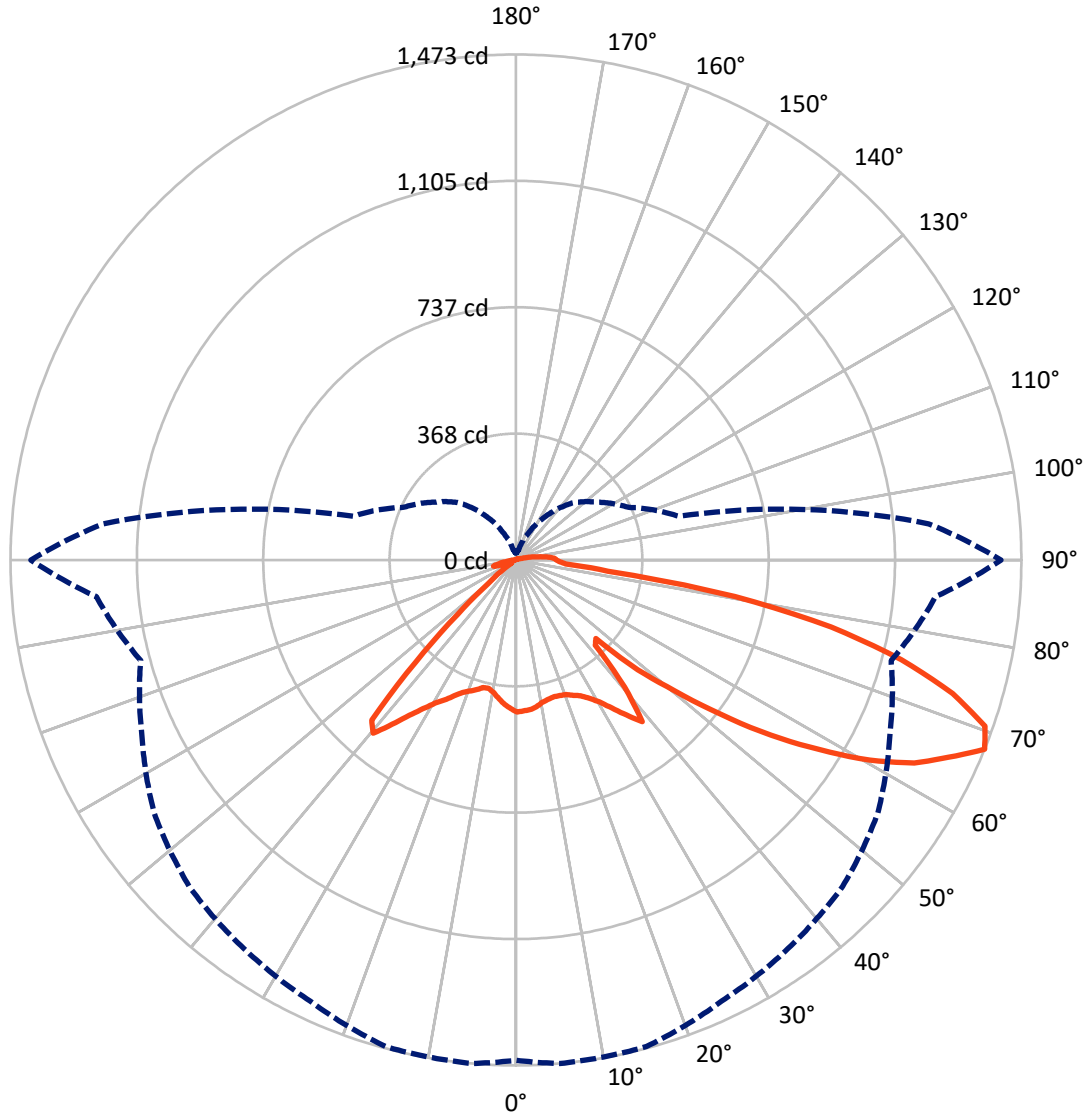
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P691276
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P691276

CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

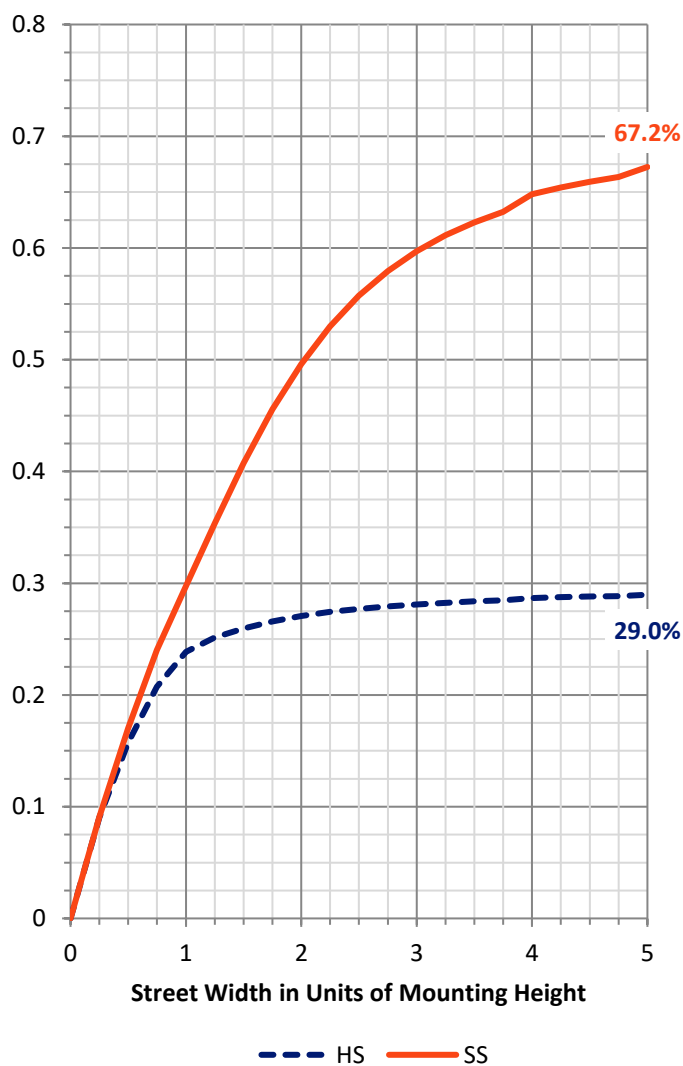
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	933.7	14.0	947.7
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2183.4	54.8	2238.2
	% Fixture	68.5	1.7	70.3
Total	Lumens	3117.1	68.8	3185.9
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	1.3
10°-20°	118.2	3.7
20°-30°	210.0	6.6
30°-40°	351.2	11.0
40°-50°	320.7	10.1
50°-60°	476.1	14.9
60°-70°	781.0	24.5
70°-80°	670.3	21.0
80°-90°	148.7	4.7
90°-100°	50.2	1.6
100°-110°	12.4	0.4
110°-120°	3.9	0.1
120°-130°	2.2	0.1
130°-140°	0.2	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3117.1	97.8
0°-180°	3185.9	100.0

Coefficient of Utilization



REPORT NUMBER: P691276

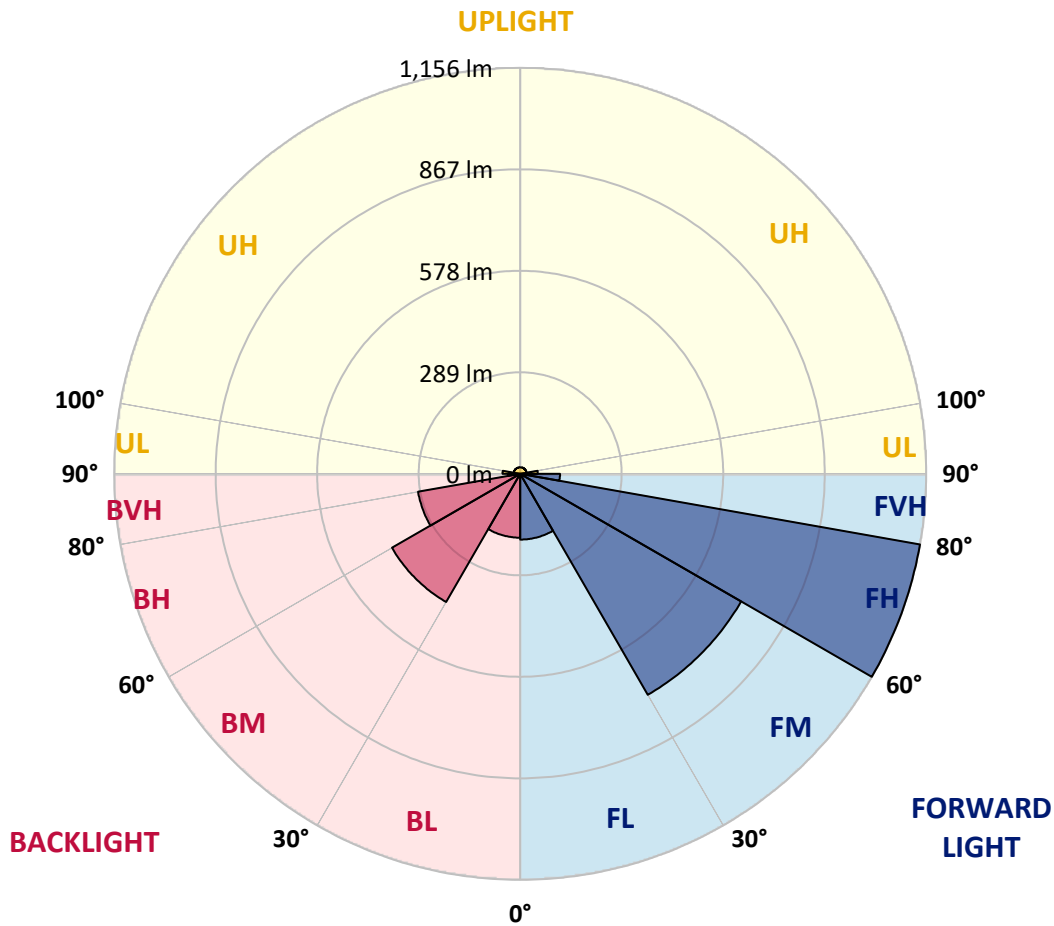
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.3	5.9			
FM (30°-60°)	726.6	22.8			
FH (60°-80°)	1156.1	36.3			G1/1800
FVH (80°-90°)	113.4	3.6			G2/225
BL (0°-30°)	181.9	5.7	B1/500		
BM (30°-60°)	421.4	13.2	B1/1000		
BH (60°-80°)	295.1	9.3	B1/500		G1/500
BVH (80°-90°)	35.3	1.1			G1/100
UL (90°-100°)	50.2	1.6		U3/500	
UH (100°-180°)	18.7	0.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Short





REPORT NUMBER: P691276

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	443.3	443.3	443.3	443.3	443.3	443.3	443.3	443.3	443.3	443.3	443.3
2.5°	440.0	440.0	440.0	441.6	443.3	441.6	440.0	438.3	436.7	438.3	438.3
5°	438.3	438.3	440.0	440.0	441.6	443.3	441.6	440.0	438.3	438.3	438.3
7.5°	430.1	431.7	431.7	433.4	435.0	438.3	438.3	435.0	435.0	435.0	435.0
10°	421.8	421.8	423.5	425.1	426.8	430.1	430.1	426.8	428.4	430.1	430.1
12.5°	416.9	416.9	418.6	421.8	423.5	425.1	426.8	426.8	428.4	426.8	428.4
15°	413.6	413.6	413.6	418.6	423.5	425.1	428.4	430.1	431.7	431.7	431.7
17.5°	415.3	415.3	415.3	421.8	425.1	430.1	433.4	435.0	435.0	436.7	436.7
20°	418.6	418.6	420.2	425.1	431.7	436.7	440.0	441.6	441.6	444.9	444.9
22.5°	425.1	428.4	426.8	431.7	436.7	443.3	448.2	451.5	451.5	454.8	454.8
25°	440.0	438.3	440.0	444.9	449.9	454.8	458.1	463.0	464.7	468.0	468.0
27.5°	456.5	456.5	456.5	461.4	464.7	469.6	472.9	476.2	479.5	484.5	486.1
30°	481.2	479.5	477.9	482.8	486.1	491.1	494.4	496.0	496.0	499.3	502.6
32.5°	514.1	514.1	514.1	517.4	519.1	524.0	525.7	527.3	525.7	530.6	532.3
35°	555.3	555.3	557.0	560.3	565.2	568.5	570.2	568.5	570.2	573.5	576.7
37.5°	596.5	598.2	603.1	608.1	611.4	617.9	622.9	622.9	624.5	634.4	634.4
40°	482.8	487.8	492.7	504.2	519.1	538.8	571.8	585.0	622.9	642.7	647.6
42.5°	327.9	339.5	352.6	367.5	379.0	380.7	412.0	430.1	468.0	504.2	514.1
45°	313.1	326.3	339.5	329.6	337.8	311.4	342.8	346.0	364.2	392.2	466.3
47.5°	459.7	477.9	496.0	471.3	476.2	418.6	430.1	416.9	375.7	421.8	545.4
50°	599.8	598.2	624.5	613.0	626.2	563.6	568.5	542.1	477.9	542.1	718.5
52.5°	734.9	748.1	776.1	772.8	782.7	702.0	687.2	664.1	563.6	662.4	870.1
55°	891.5	901.4	927.7	919.5	914.6	833.8	807.4	784.4	687.2	815.7	1031.6
57.5°	1038.1	1043.1	1074.4	1046.4	1029.9	968.9	932.7	894.8	799.2	955.8	1143.6
60°	1178.2	1184.8	1202.9	1165.0	1138.7	1090.9	1046.4	1005.2	916.2	1081.0	1247.4
62.5°	1310.0	1303.4	1311.7	1263.9	1245.8	1202.9	1155.1	1104.1	1026.6	1179.9	1347.9
65°	1385.8	1385.8	1395.7	1334.8	1306.7	1280.4	1227.6	1168.3	1097.5	1227.6	1410.6
67.5°	1458.3	1473.2	1468.2	1418.8	1382.5	1346.3	1287.0	1202.9	1132.1	1227.6	1413.9
70°	1432.0	1450.1	1430.3	1390.8	1354.5	1311.7	1257.3	1174.9	1095.8	1168.3	1338.1
72.5°	1318.3	1331.5	1323.2	1288.6	1244.1	1216.1	1158.4	1095.8	1003.5	1066.2	1214.5
75°	1163.4	1160.1	1174.9	1135.4	1097.5	1071.1	1015.1	975.5	889.8	936.0	1077.7
77.5°	937.6	939.3	970.6	926.1	896.4	878.3	827.2	794.3	716.8	758.0	866.8
80°	629.5	647.6	677.3	629.5	624.5	599.8	557.0	535.5	476.2	496.0	553.7
82.5°	262.0	270.2	280.1	265.3	260.4	252.1	234.0	227.4	204.3	214.2	214.2
85°	146.7	145.0	150.0	150.0	146.7	140.1	133.5	121.9	112.1	110.4	102.2
87.5°	123.6	125.2	128.5	128.5	121.9	117.0	108.8	100.5	92.3	87.3	79.1
90°	115.3	117.0	118.6	113.7	107.1	102.2	95.6	89.0	82.4	79.1	70.9
92.5°	110.4	110.4	110.4	103.8	97.2	92.3	87.3	80.7	75.8	72.5	65.9
95°	92.3	90.6	89.0	85.7	79.1	74.2	70.9	64.3	61.0	57.7	54.4
97.5°	69.2	67.6	65.9	64.3	57.7	54.4	52.7	49.4	46.1	41.2	39.5
100°	49.4	47.8	47.8	46.1	42.8	39.5	37.9	34.6	31.3	28.0	26.4
102.5°	33.0	31.3	31.3	29.7	28.0	26.4	23.1	21.4	18.1	16.5	14.8
105°	18.1	18.1	18.1	16.5	16.5	14.8	13.2	11.5	9.9	9.9	8.2
107.5°	13.2	13.2	13.2	13.2	11.5	11.5	9.9	8.2	8.2	6.6	6.6
110°	9.9	9.9	9.9	9.9	9.9	8.2	8.2	6.6	6.6	4.9	4.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.2	8.2	8.2	8.2	8.2	8.2	6.6	6.6	4.9	4.9	4.9
115°	8.2	8.2	8.2	8.2	6.6	6.6	4.9	4.9	4.9	4.9	3.3
117.5°	6.6	6.6	6.6	6.6	6.6	4.9	4.9	4.9	4.9	3.3	4.9
120°	6.6	6.6	6.6	6.6	4.9	4.9	4.9	3.3	3.3	3.3	3.3
122.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3
125°	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3
127.5°	4.9	4.9	3.3	4.9	3.3	3.3	3.3	3.3	3.3	1.6	3.3
130°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	443.3	443.3	443.3	443.3	443.3	443.3	443.3	443.3	443.3	443.3
2.5°	440.0	440.0	441.6	440.0	440.0	436.7	435.0	433.4	433.4	433.4
5°	438.3	438.3	436.7	433.4	431.7	428.4	425.1	423.5	421.8	423.5
7.5°	435.0	431.7	428.4	421.8	416.9	415.3	408.7	407.0	407.0	407.0
10°	428.4	425.1	416.9	408.7	405.4	400.4	395.5	390.5	392.2	393.8
12.5°	426.8	418.6	412.0	403.7	398.8	390.5	388.9	383.9	382.3	382.3
15°	428.4	421.8	413.6	407.0	400.4	397.1	390.5	388.9	383.9	387.2
17.5°	435.0	425.1	418.6	412.0	405.4	402.1	397.1	393.8	395.5	395.5
20°	441.6	431.7	425.1	420.2	413.6	408.7	407.0	403.7	405.4	402.1
22.5°	451.5	441.6	436.7	430.1	425.1	421.8	418.6	420.2	416.9	418.6
25°	464.7	456.5	449.9	444.9	440.0	436.7	436.7	436.7	435.0	436.7
27.5°	482.8	474.6	469.6	466.3	461.4	458.1	454.8	456.5	458.1	456.5
30°	499.3	489.4	487.8	484.5	481.2	479.5	479.5	479.5	479.5	482.8
32.5°	525.7	515.8	512.5	512.5	509.2	507.5	505.9	509.2	510.8	509.2
35°	566.9	553.7	550.4	548.7	547.1	547.1	548.7	548.7	548.7	548.7
37.5°	617.9	599.8	596.5	594.9	594.9	594.9	593.2	594.9	599.8	601.5
40°	641.0	629.5	634.4	642.7	647.6	647.6	646.0	649.3	654.2	654.2
42.5°	519.1	494.4	512.5	545.4	566.9	593.2	598.2	614.6	627.8	627.8
45°	421.8	319.7	326.3	347.7	357.6	380.7	393.8	408.7	416.9	405.4
47.5°	474.6	206.0	169.7	176.3	151.6	182.9	204.3	227.4	232.3	237.3
50°	744.8	212.6	143.4	103.8	69.2	92.3	97.2	110.4	107.1	108.8
52.5°	904.7	243.9	143.4	92.3	57.7	61.0	56.0	62.6	65.9	72.5
55°	1015.1	293.3	186.2	117.0	67.6	41.2	28.0	21.4	19.8	19.8
57.5°	1067.8	359.2	242.2	166.4	105.5	57.7	24.7	18.1	16.5	14.8
60°	1117.2	430.1	306.5	227.4	166.4	102.2	46.1	18.1	14.8	14.8
62.5°	1161.7	500.9	370.8	295.0	234.0	159.8	85.7	31.3	16.5	16.5
65°	1198.0	515.8	375.7	319.7	252.1	187.9	112.1	37.9	18.1	18.1
67.5°	1207.9	491.1	362.5	293.3	235.6	159.8	87.3	31.3	21.4	19.8
70°	1142.0	466.3	364.2	278.5	212.6	141.7	57.7	36.3	28.0	26.4
72.5°	1033.2	431.7	346.0	270.2	204.3	143.4	67.6	59.3	52.7	49.4
75°	909.6	390.5	319.7	258.7	197.7	138.4	79.1	74.2	67.6	65.9
77.5°	730.0	324.6	268.6	219.2	166.4	110.4	65.9	62.6	54.4	54.4
80°	479.5	242.2	202.7	168.1	126.9	77.4	49.4	44.5	39.5	37.9
82.5°	196.1	141.7	121.9	105.5	82.4	49.4	33.0	28.0	23.1	21.4
85°	95.6	70.9	61.0	49.4	41.2	28.0	21.4	18.1	13.2	13.2
87.5°	77.4	56.0	46.1	37.9	28.0	19.8	14.8	11.5	8.2	6.6
90°	70.9	49.4	39.5	31.3	23.1	16.5	9.9	8.2	4.9	3.3
92.5°	64.3	42.8	34.6	24.7	18.1	13.2	6.6	4.9	3.3	3.3
95°	52.7	33.0	26.4	19.8	14.8	9.9	6.6	3.3	1.6	1.6
97.5°	37.9	24.7	19.8	14.8	11.5	6.6	4.9	3.3	1.6	1.6
100°	26.4	16.5	14.8	11.5	8.2	4.9	3.3	1.6	1.6	1.6
102.5°	13.2	9.9	9.9	8.2	6.6	4.9	1.6	1.6	0.0	0.0
105°	8.2	6.6	6.6	4.9	3.3	3.3	1.6	1.6	0.0	0.0
107.5°	4.9	4.9	4.9	3.3	3.3	1.6	1.6	0.0	0.0	0.0
110°	4.9	3.3	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
115°	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
117.5°	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
120°	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	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
167.5°	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
172.5°	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
177.5°	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

(END OF REPORT)