

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: P691285

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
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-8027-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2861 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - G1

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



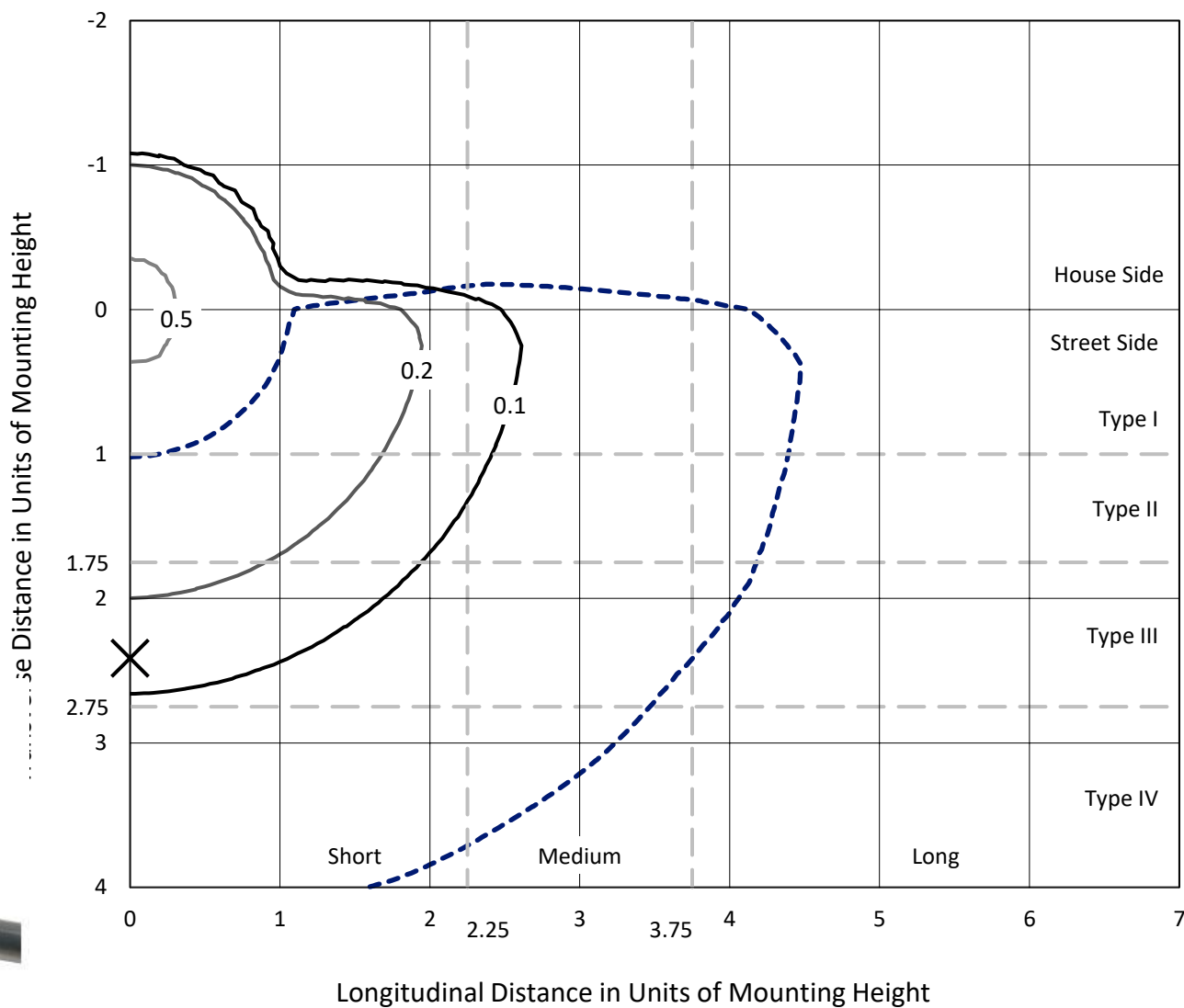
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

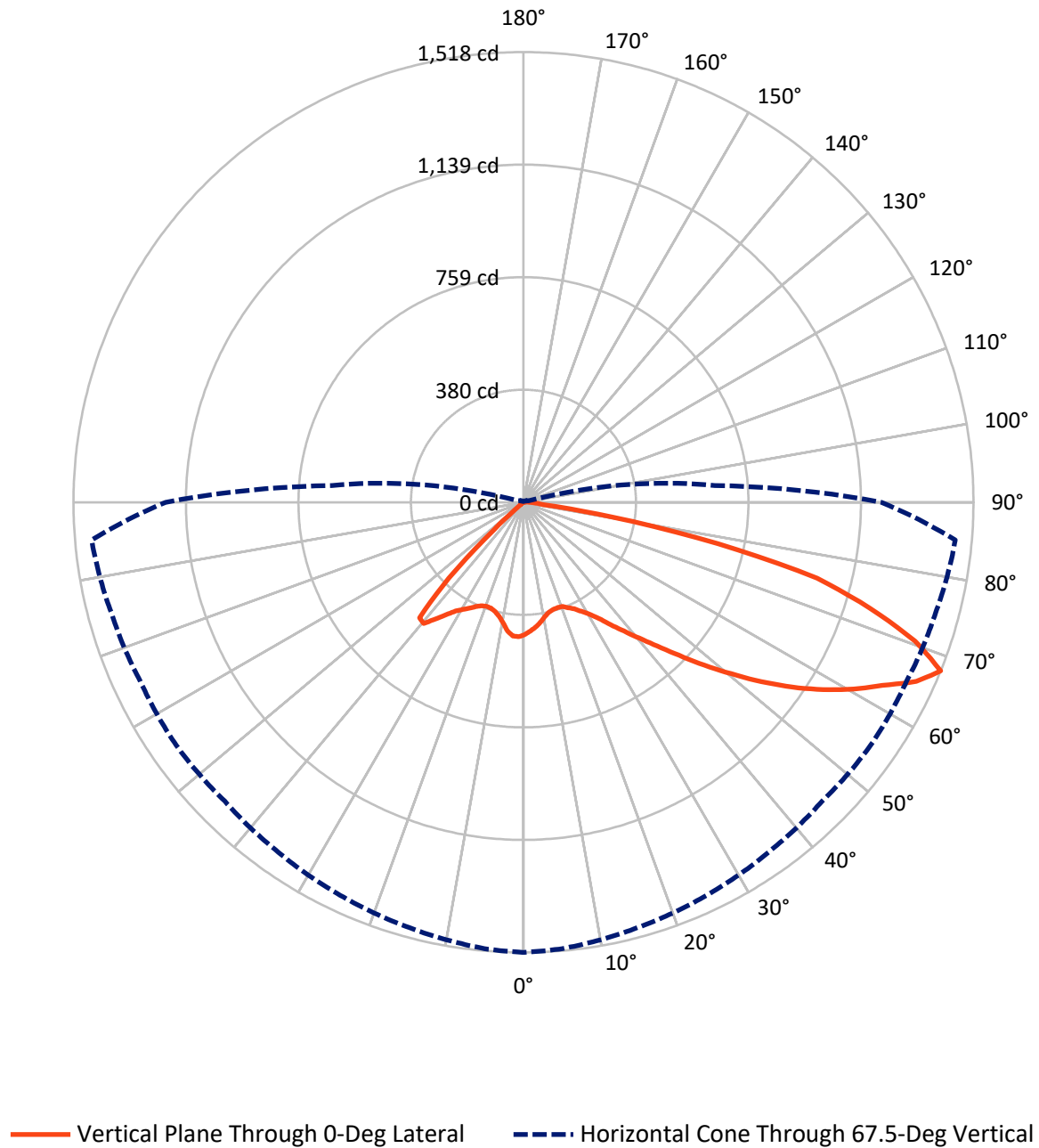


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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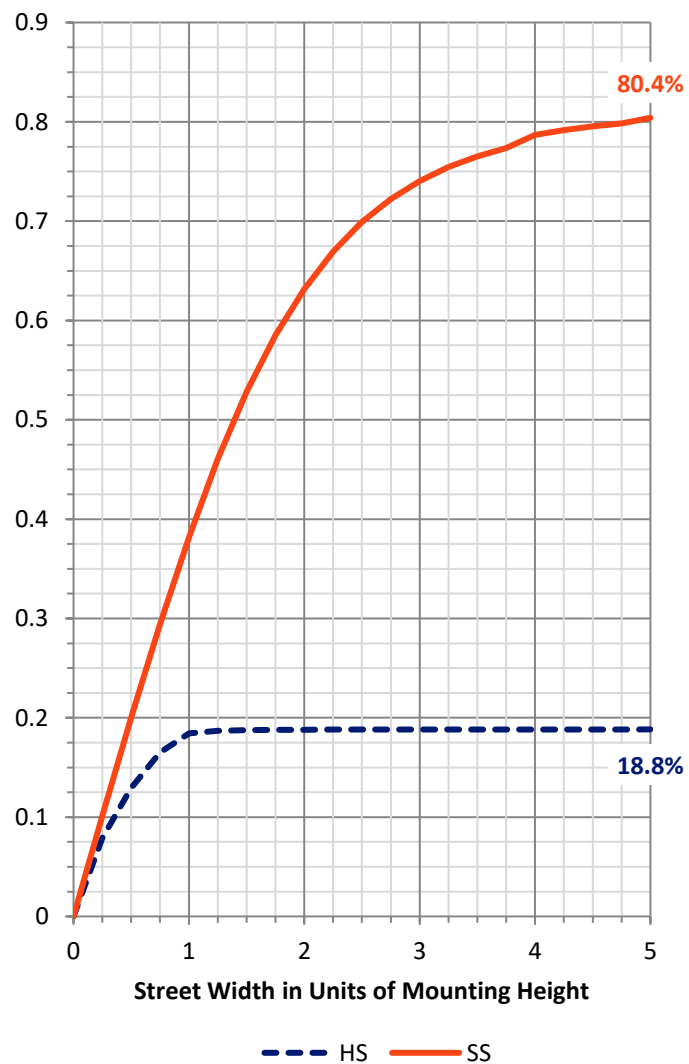
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	541.8	1.0	542.8
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	2311.7	6.5	2318.1
	% Fixture	80.8	0.2	81.0
Total	Lumens	2853.5	7.5	2861.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	1.4
10°-20°	105.0	3.7
20°-30°	180.1	6.3
30°-40°	304.5	10.6
40°-50°	406.4	14.2
50°-60°	515.9	18.0
60°-70°	722.5	25.3
70°-80°	523.3	18.3
80°-90°	55.8	1.9
90°-100°	6.2	0.2
100°-110°	0.6	0.0
110°-120°	0.2	0.0
120°-130°	0.1	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2853.5	99.7
0°-180°	2861.0	100.0

Coefficient of Utilization



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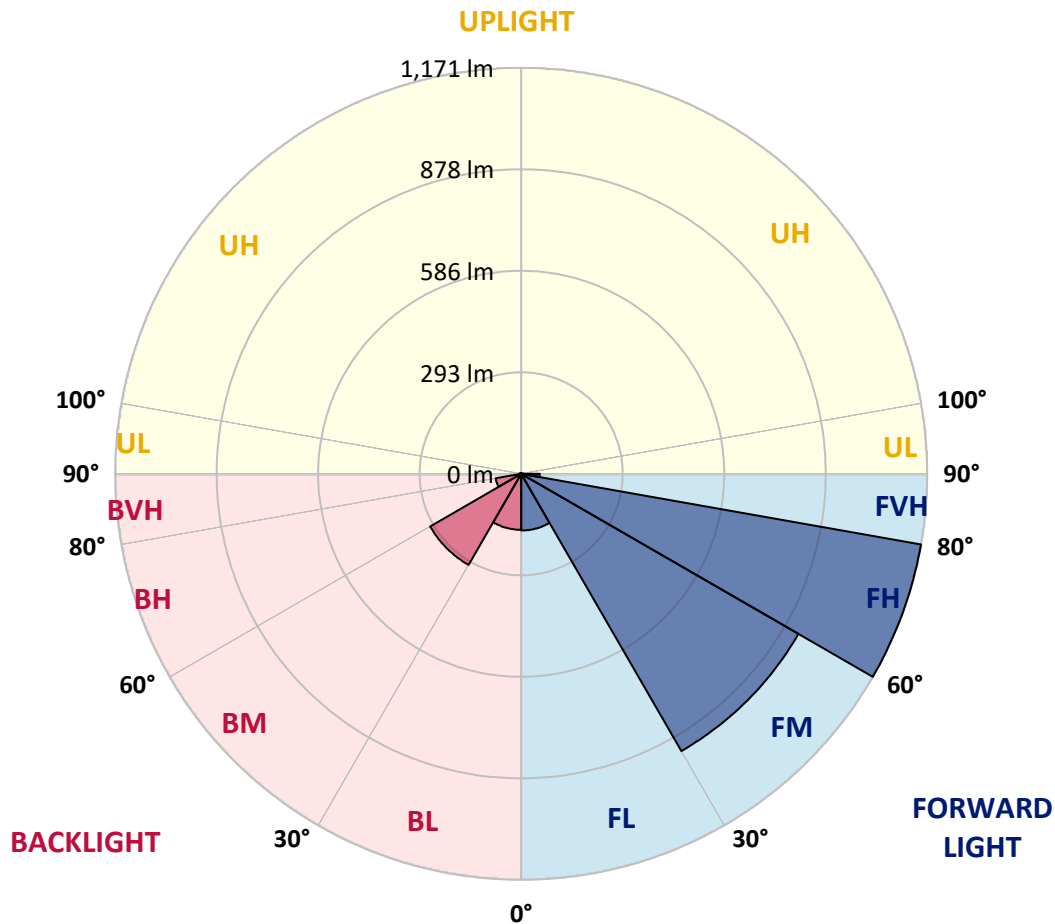
CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.5	5.7			
FM	(30°-60°)	923.4	32.3			
FH	(60°-80°)	1171.0	40.9			G1/1800
FVH	(80°-90°)	53.7	1.9			G1/100
BL	(0°-30°)	161.5	5.6	B1/500		
BM	(30°-60°)	303.4	10.6	B1/1000		
BH	(60°-80°)	74.8	2.6	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			G0/10
UL	(90°-100°)	6.2	0.2		U1/10	
UH	(100°-180°)	1.2	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short



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CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	446.4	446.4	446.4	446.4	446.4	446.4	446.4	446.4	446.4	446.4	446.4
2.5°	435.0	436.4	436.4	436.4	437.8	436.4	436.4	436.4	436.4	437.8	437.8
5°	423.5	423.5	423.5	425.0	425.0	423.5	422.1	423.5	423.5	425.0	425.0
7.5°	409.2	409.2	409.2	410.6	409.2	406.4	403.5	404.9	403.5	404.9	406.4
10°	392.0	393.5	393.5	392.0	390.6	386.3	382.0	383.5	382.0	383.5	383.5
12.5°	380.6	382.0	382.0	380.6	376.3	373.4	370.6	367.7	366.3	369.2	367.7
15°	374.9	376.3	376.3	374.9	372.0	369.2	363.4	362.0	359.1	357.7	359.1
17.5°	373.4	373.4	373.4	372.0	369.2	364.9	362.0	359.1	357.7	357.7	356.3
20°	374.9	377.7	376.3	374.9	372.0	369.2	364.9	360.6	360.6	360.6	359.1
22.5°	386.3	386.3	384.9	384.9	382.0	377.7	373.4	370.6	367.7	367.7	367.7
25°	397.8	399.2	399.2	397.8	393.5	387.8	386.3	382.0	380.6	379.2	377.7
27.5°	416.4	414.9	416.4	416.4	410.6	407.8	403.5	400.6	399.2	396.3	394.9
30°	437.8	437.8	437.8	437.8	433.5	427.8	425.0	420.7	416.4	416.4	413.5
32.5°	466.4	467.9	467.9	466.4	462.2	456.4	453.6	447.8	446.4	443.6	440.7
35°	506.5	506.5	506.5	503.6	497.9	493.6	490.8	486.5	485.0	480.8	473.6
37.5°	550.9	550.9	553.7	550.9	545.1	539.4	535.1	532.3	528.0	525.1	520.8
40°	602.4	602.4	603.8	599.5	593.8	590.9	586.6	580.9	578.1	576.6	568.0
42.5°	662.5	665.3	665.3	661.0	656.7	652.5	646.7	642.4	639.6	633.9	622.4
45°	735.4	734.0	736.9	732.6	729.7	728.3	719.7	709.7	711.1	698.2	685.4
47.5°	821.3	822.7	821.3	817.0	814.1	812.7	804.1	791.2	785.5	775.5	751.2
50°	908.6	910.0	908.6	905.7	908.6	900.0	890.0	878.5	877.1	864.2	827.0
52.5°	1004.4	1000.1	998.7	997.3	994.4	990.1	980.1	967.2	968.7	954.4	895.7
55°	1100.3	1096.0	1088.9	1086.0	1083.1	1076.0	1067.4	1063.1	1061.7	1047.4	968.7
57.5°	1191.9	1184.7	1174.7	1173.3	1169.0	1159.0	1154.7	1147.5	1147.5	1131.8	1021.6
60°	1279.2	1270.6	1259.1	1253.4	1246.2	1237.7	1236.2	1231.9	1233.4	1224.8	1078.8
62.5°	1359.3	1352.1	1337.8	1329.2	1317.8	1310.6	1312.1	1309.2	1314.9	1309.2	1128.9
65°	1456.6	1448.0	1430.8	1412.2	1396.5	1385.0	1380.7	1389.3	1413.7	1419.4	1196.2
67.5°	1518.1	1510.9	1485.2	1462.3	1440.8	1425.1	1429.4	1426.5	1439.4	1462.3	1207.6
70°	1402.2	1399.3	1373.6	1359.3	1343.5	1327.8	1329.2	1324.9	1335.0	1340.7	1107.5
72.5°	1223.4	1237.7	1204.8	1203.3	1193.3	1194.7	1179.0	1190.4	1183.3	1183.3	980.1
75°	1023.0	993.0	983.0	1007.3	993.0	994.4	991.6	1004.4	1003.0	1004.4	852.8
77.5°	671.1	676.8	663.9	689.7	702.5	724.0	734.0	768.4	755.5	752.6	675.3
80°	300.5	307.6	309.1	333.4	349.1	370.6	363.4	387.8	372.0	346.3	330.5
82.5°	67.2	67.2	75.8	97.3	103.0	107.3	107.3	111.6	88.7	54.4	44.4
85°	45.8	44.4	60.1	81.6	85.8	83.0	80.1	74.4	51.5	15.7	12.9
87.5°	30.0	31.5	48.6	67.2	70.1	65.8	61.5	55.8	37.2	4.3	2.9
90°	20.0	22.9	37.2	51.5	51.5	48.6	44.4	37.2	22.9	1.4	1.4
92.5°	10.0	11.4	18.6	22.9	21.5	18.6	17.2	14.3	8.6	1.4	1.4
95°	5.7	5.7	8.6	8.6	8.6	7.2	7.2	5.7	2.9	1.4	1.4
97.5°	4.3	4.3	5.7	5.7	4.3	4.3	4.3	2.9	1.4	1.4	1.4
100°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4
102.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
105°	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
130°	0.0	0.0	0.0	0.0	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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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	1.4	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	1.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4
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	1.4	0.0	1.4	1.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0	1.4	1.4
175°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4
177.5°	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4	1.4	1.4
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°	446.4	446.4	446.4	446.4	446.4	446.4	446.4	446.4	446.4	446.4
2.5°	439.3	440.7	442.1	445.0	445.0	449.3	450.7	452.1	453.6	453.6
5°	427.8	429.2	433.5	436.4	440.7	443.6	447.8	449.3	450.7	452.1
7.5°	406.4	409.2	413.5	414.9	420.7	425.0	429.2	433.5	435.0	437.8
10°	384.9	386.3	387.8	392.0	394.9	400.6	406.4	409.2	412.1	412.1
12.5°	369.2	370.6	372.0	373.4	377.7	380.6	386.3	389.2	390.6	393.5
15°	359.1	359.1	362.0	362.0	364.9	369.2	372.0	376.3	377.7	380.6
17.5°	356.3	356.3	357.7	359.1	362.0	363.4	366.3	370.6	372.0	373.4
20°	357.7	359.1	359.1	360.6	363.4	364.9	367.7	369.2	370.6	372.0
22.5°	364.9	363.4	364.9	364.9	366.3	369.2	372.0	374.9	376.3	376.3
25°	374.9	373.4	373.4	376.3	377.7	379.2	383.5	384.9	386.3	386.3
27.5°	392.0	390.6	392.0	392.0	393.5	393.5	397.8	397.8	399.2	400.6
30°	409.2	404.9	404.9	404.9	406.4	409.2	410.6	413.5	414.9	414.9
32.5°	435.0	426.4	425.0	426.4	426.4	427.8	432.1	430.7	433.5	432.1
35°	467.9	459.3	456.4	456.4	456.4	456.4	460.7	457.9	460.7	459.3
37.5°	507.9	496.5	495.1	495.1	492.2	493.6	495.1	492.2	490.8	492.2
40°	550.9	530.8	529.4	530.8	530.8	530.8	530.8	529.4	528.0	529.4
42.5°	530.8	450.7	460.7	475.0	489.3	506.5	510.8	522.3	523.7	523.7
45°	463.6	260.4	274.7	296.2	304.8	310.5	326.2	350.6	357.7	359.1
47.5°	409.2	87.3	93.0	101.6	115.9	123.1	124.5	141.7	148.8	134.5
50°	404.9	20.0	14.3	14.3	15.7	12.9	12.9	14.3	14.3	14.3
52.5°	442.1	18.6	12.9	11.4	11.4	11.4	10.0	11.4	11.4	11.4
55°	480.8	18.6	12.9	11.4	11.4	11.4	10.0	10.0	10.0	10.0
57.5°	512.2	18.6	12.9	11.4	11.4	10.0	8.6	8.6	8.6	8.6
60°	549.4	18.6	12.9	11.4	11.4	8.6	7.2	7.2	7.2	7.2
62.5°	580.9	20.0	12.9	11.4	10.0	7.2	7.2	7.2	7.2	7.2
65°	626.7	20.0	12.9	10.0	7.2	5.7	5.7	5.7	5.7	5.7
67.5°	648.2	20.0	11.4	8.6	5.7	4.3	4.3	4.3	4.3	4.3
70°	583.8	15.7	8.6	5.7	4.3	4.3	4.3	4.3	4.3	4.3
72.5°	499.4	11.4	5.7	4.3	2.9	2.9	2.9	2.9	2.9	1.4
75°	397.8	7.2	2.9	1.4	1.4	0.0	0.0	0.0	0.0	0.0
77.5°	279.0	5.7	2.9	1.4	1.4	0.0	0.0	0.0	0.0	0.0
80°	115.9	4.3	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.2	2.9	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.7	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
90°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.4	1.4	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°	1.4	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	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	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°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.4	1.4	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)