

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: P691059

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T3-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3606 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

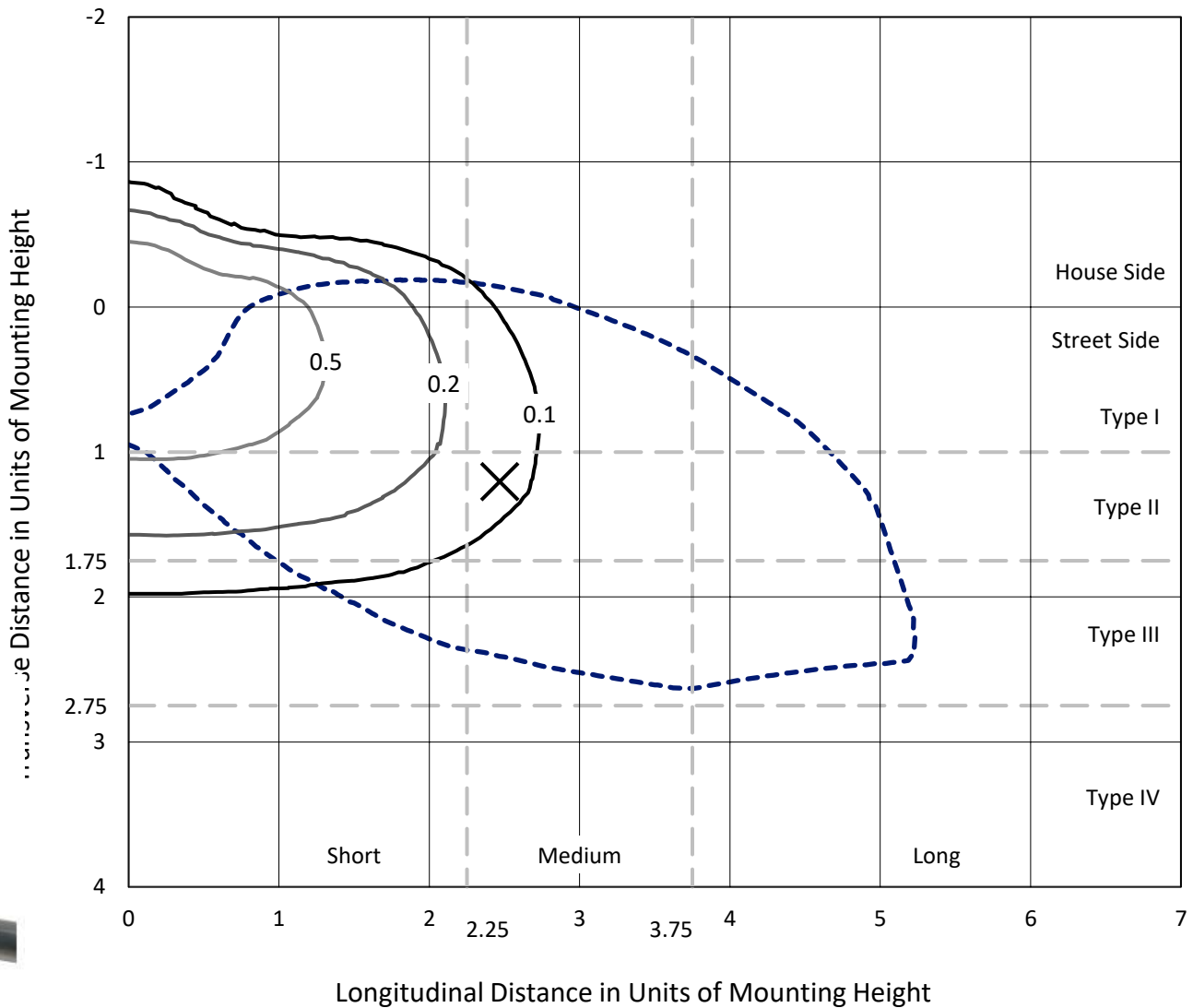
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

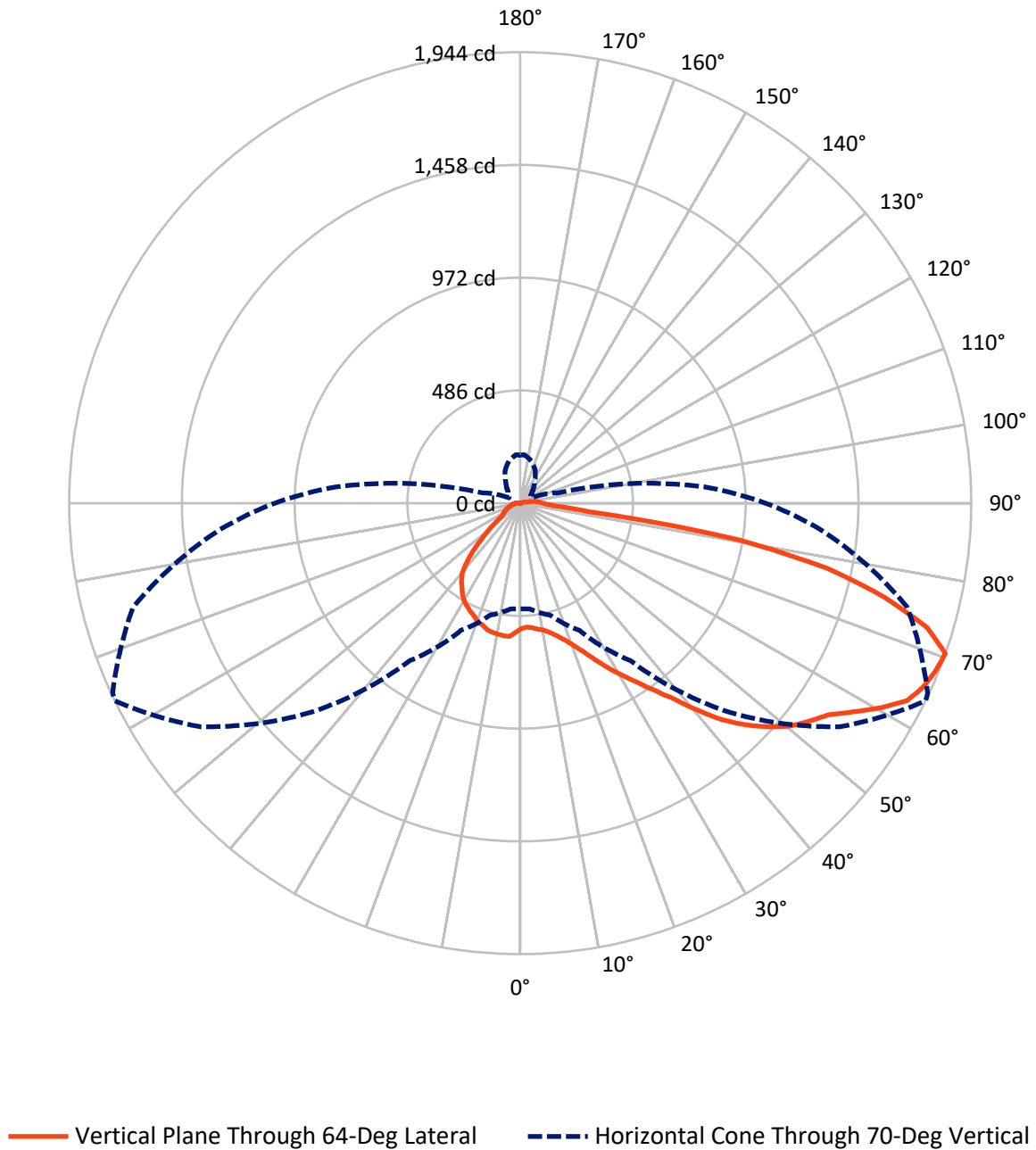
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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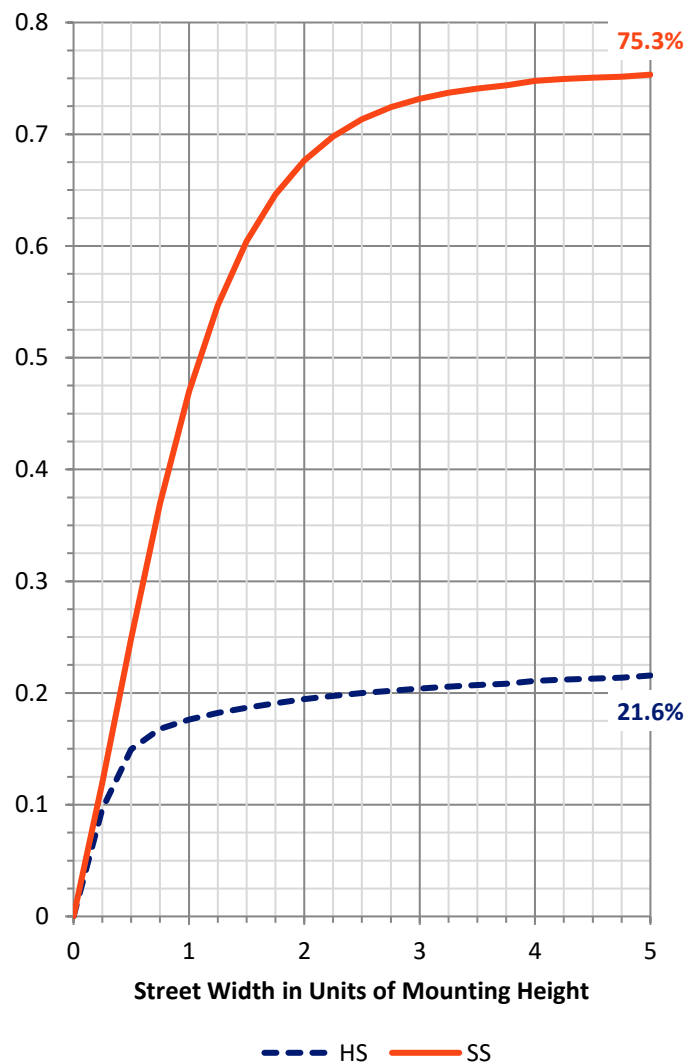
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	822.0	22.3	844.3
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	2732.9	28.8	2761.7
	% Fixture	75.8	0.8	76.6
Total	Lumens	3555.0	51.1	3606.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	1.5
10°-20°	167.9	4.7
20°-30°	291.3	8.1
30°-40°	422.7	11.7
40°-50°	567.2	15.7
50°-60°	685.8	19.0
60°-70°	738.2	20.5
70°-80°	507.0	14.1
80°-90°	121.0	3.4
90°-100°	43.8	1.2
100°-110°	5.5	0.2
110°-120°	0.4	0.0
120°-130°	0.4	0.0
130°-140°	0.3	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°	3555.0	98.6
0°-180°	3606.0	100.0

Coefficient of Utilization



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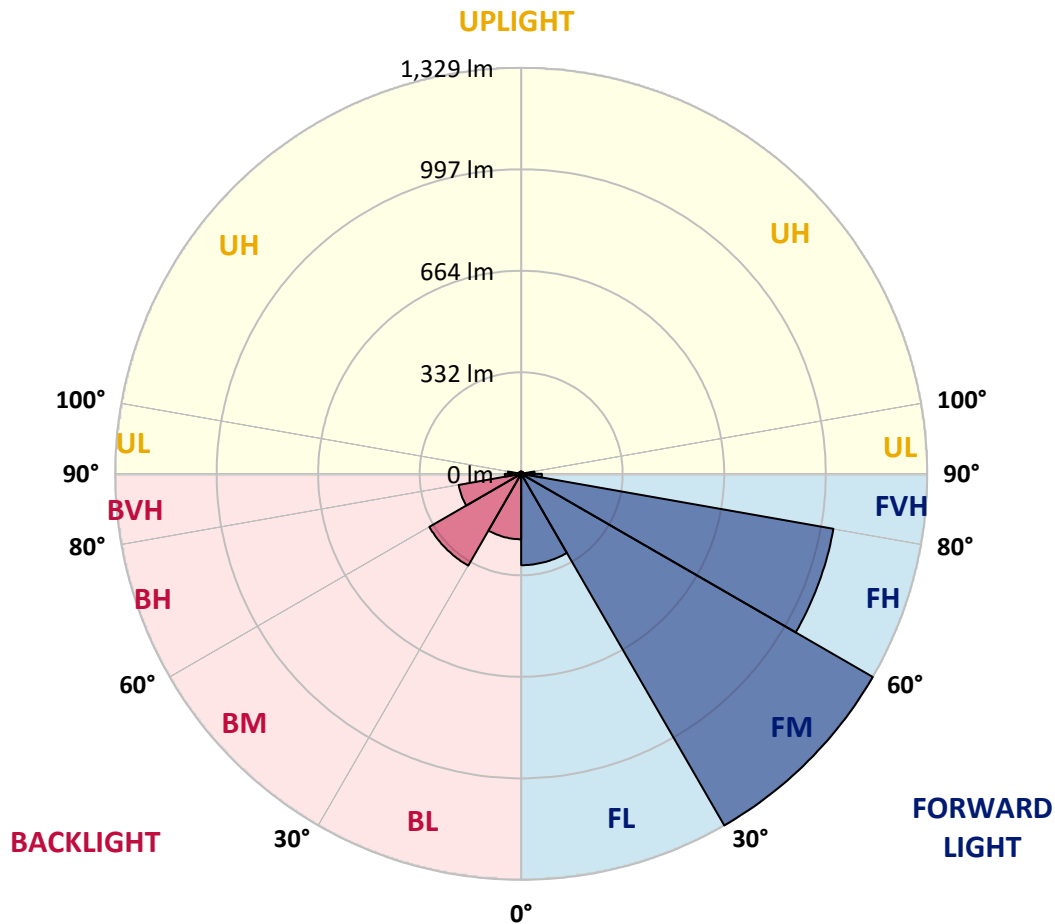
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	299.0	8.3			
FM	(30°-60°)	1328.7	36.8			
FH	(60°-80°)	1037.5	28.8			G1/1800
FVH	(80°-90°)	67.7	1.9			G1/100
BL	(0°-30°)	214.1	5.9	B1/500		
BM	(30°-60°)	346.9	9.6	B1/1000		
BH	(60°-80°)	207.7	5.8	B1/500		G1/500
BVH	(80°-90°)	53.3	1.5			G1/100
UL	(90°-100°)	43.8	1.2		U2/50	
UH	(100°-180°)	7.3	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°	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2
2.5°	536.5	536.5	535.3	535.3	536.5	537.6	536.5	535.3	536.5	537.6	541.2
5°	557.7	556.5	555.4	550.6	545.9	542.4	540.0	538.8	540.0	544.7	553.0
7.5°	571.9	570.7	570.7	569.5	564.8	555.4	549.5	548.3	548.3	549.5	560.1
10°	601.4	599.1	594.4	586.1	581.4	569.5	558.9	556.5	556.5	558.9	571.9
12.5°	633.3	628.6	629.8	620.3	606.2	593.2	577.8	571.9	569.5	571.9	579.0
15°	677.1	673.5	664.1	653.4	639.3	621.5	602.6	593.2	592.0	595.5	589.6
17.5°	709.0	704.2	705.4	690.1	678.2	654.6	636.9	619.2	619.2	623.9	608.5
20°	742.1	739.7	743.2	739.7	722.0	700.7	674.7	653.4	649.9	652.3	629.8
22.5°	784.6	781.0	781.0	782.2	768.1	746.8	716.1	694.8	693.6	684.2	653.4
25°	828.3	824.8	823.6	825.9	823.6	798.8	766.9	745.6	742.1	729.1	685.3
27.5°	869.7	869.7	870.9	873.2	876.8	856.7	825.9	802.3	802.3	788.1	727.9
30°	900.4	900.4	911.0	915.8	919.3	914.6	881.5	859.0	861.4	842.5	776.3
32.5°	928.7	929.9	941.7	953.6	957.1	960.7	932.3	918.1	918.1	900.4	828.3
35°	957.1	957.1	973.7	997.3	1009.1	1005.6	992.6	987.8	989.0	985.5	905.1
37.5°	979.6	981.9	1006.7	1036.3	1052.8	1058.7	1051.6	1067.0	1081.2	1091.8	1005.6
40°	1002.0	1002.0	1025.6	1057.5	1087.1	1103.6	1113.1	1171.0	1181.6	1185.2	1062.3
42.5°	978.4	984.3	1033.9	1081.2	1119.0	1147.3	1189.9	1276.1	1289.1	1249.0	1139.1
45°	955.9	963.0	1012.6	1091.8	1146.2	1202.9	1276.1	1363.6	1374.2	1314.0	1185.2
47.5°	933.5	941.7	996.1	1082.4	1171.0	1264.3	1343.5	1440.4	1445.1	1367.1	1237.2
50°	909.8	918.1	976.0	1071.7	1186.3	1327.0	1410.8	1510.1	1510.1	1414.4	1267.9
52.5°	880.3	889.8	948.8	1055.2	1198.2	1369.5	1472.3	1560.9	1551.5	1471.1	1302.1
55°	842.5	855.5	918.1	1031.6	1202.9	1391.9	1511.3	1610.5	1608.2	1540.8	1345.9
57.5°	802.3	813.0	880.3	1000.8	1198.2	1407.3	1552.6	1696.8	1700.3	1601.1	1380.1
60°	757.4	764.5	829.5	958.3	1167.4	1434.5	1646.0	1789.0	1793.7	1656.6	1393.1
62.5°	698.3	703.1	764.5	900.4	1126.1	1452.2	1713.3	1872.9	1870.5	1706.3	1395.5
65°	623.9	629.8	687.7	823.6	1064.6	1440.4	1729.9	1909.5	1911.9	1729.9	1391.9
67.5°	551.8	555.4	603.8	722.0	965.4	1383.7	1713.3	1930.8	1941.4	1750.0	1357.7
70°	456.1	457.3	499.8	605.0	828.3	1275.0	1680.3	1943.8	1937.8	1726.3	1298.6
72.5°	350.9	352.1	384.0	463.2	644.0	1085.9	1563.3	1833.9	1823.2	1596.4	1171.0
75°	249.3	254.0	273.0	324.9	431.3	792.9	1337.6	1623.5	1630.6	1420.3	976.0
77.5°	141.8	146.5	161.9	203.2	248.1	444.3	1010.3	1354.1	1358.9	1194.6	749.1
80°	61.4	62.6	68.5	96.9	132.3	212.7	517.5	948.8	1017.4	811.8	427.7
82.5°	52.0	52.0	54.4	56.7	57.9	96.9	200.9	294.2	303.7	239.9	139.4
85°	44.9	44.9	47.3	49.6	50.8	66.2	121.7	147.7	153.6	137.1	98.1
87.5°	35.4	35.4	39.0	41.4	41.4	54.4	91.0	109.9	113.4	109.9	87.4
90°	31.9	31.9	30.7	30.7	31.9	39.0	70.9	92.2	95.7	117.0	100.4
92.5°	27.2	28.4	28.4	28.4	24.8	28.4	50.8	81.5	88.6	115.8	91.0
95°	27.2	26.0	26.0	24.8	23.6	24.8	37.8	70.9	79.2	100.4	76.8
97.5°	18.9	17.7	18.9	20.1	21.3	22.5	31.9	52.0	57.9	78.0	56.7
100°	11.8	11.8	11.8	11.8	14.2	15.4	26.0	31.9	35.4	49.6	37.8
102.5°	7.1	5.9	5.9	5.9	7.1	9.5	13.0	17.7	18.9	28.4	22.5
105°	2.4	2.4	2.4	2.4	3.5	4.7	4.7	7.1	7.1	9.5	9.5
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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	1.2	1.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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	1.2	0.0	1.2	1.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	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	1.2	1.2	1.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	1.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	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°	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2
2.5°	543.5	545.9	550.6	556.5	563.6	569.5	574.3	575.4	577.8	577.8	580.2
5°	555.4	560.1	567.2	575.4	579.0	576.6	576.6	577.8	580.2	586.1	588.4
7.5°	568.4	571.9	571.9	575.4	582.5	580.2	579.0	577.8	577.8	575.4	579.0
10°	573.1	568.4	574.3	573.1	570.7	575.4	576.6	569.5	570.7	570.7	571.9
12.5°	574.3	574.3	569.5	569.5	569.5	558.9	556.5	562.4	556.5	558.9	557.7
15°	587.3	577.8	571.9	564.8	555.4	551.8	543.5	534.1	534.1	536.5	536.5
17.5°	596.7	587.3	569.5	550.6	547.1	530.5	524.6	522.3	521.1	522.3	524.6
20°	610.9	596.7	567.2	548.3	517.5	511.6	501.0	499.8	497.5	489.2	486.8
22.5°	629.8	607.4	566.0	528.2	503.4	483.3	464.4	452.6	451.4	445.5	441.9
25°	651.1	628.6	570.7	518.7	477.4	447.8	432.5	405.3	392.3	397.0	394.7
27.5°	694.8	653.4	579.0	505.7	456.1	410.0	374.6	358.0	341.5	341.5	343.9
30°	735.0	685.3	579.0	493.9	420.7	365.1	319.0	293.0	286.0	281.2	278.9
32.5°	795.2	725.5	603.8	477.4	387.6	307.2	255.2	224.5	225.7	230.4	229.2
35°	864.9	789.3	610.9	453.7	339.1	249.3	197.3	180.8	190.2	192.6	192.6
37.5°	948.8	867.3	642.8	434.8	288.3	184.3	156.0	148.9	157.2	156.0	160.7
40°	994.9	905.1	670.0	411.2	221.0	135.9	120.5	115.8	128.8	139.4	141.8
42.5°	1059.9	950.0	696.0	366.3	150.1	99.3	92.2	107.5	126.4	138.2	139.4
45°	1095.4	976.0	685.3	310.8	95.7	80.3	89.8	108.7	128.8	140.6	141.8
47.5°	1137.9	1010.3	666.4	242.2	76.8	79.2	91.0	111.1	132.3	143.0	143.0
50°	1180.4	1044.5	620.3	190.2	72.1	78.0	93.3	112.3	131.2	138.2	138.2
52.5°	1205.2	1074.1	566.0	138.2	70.9	78.0	94.5	113.4	130.0	133.5	133.5
55°	1227.7	1076.5	518.7	102.8	69.7	79.2	95.7	115.8	131.2	134.7	133.5
57.5°	1240.7	1061.1	485.6	88.6	68.5	79.2	96.9	118.2	140.6	148.9	146.5
60°	1233.6	1037.5	460.8	82.7	67.4	79.2	98.1	125.3	178.4	192.6	187.9
62.5°	1221.8	1020.9	408.8	75.6	65.0	79.2	99.3	141.8	198.5	205.6	199.7
65°	1206.4	972.5	349.8	68.5	62.6	78.0	100.4	153.6	189.1	189.1	187.9
67.5°	1142.6	907.5	261.1	61.4	59.1	78.0	102.8	151.2	182.0	197.3	197.3
70°	1057.5	798.8	172.5	54.4	55.5	75.6	107.5	153.6	187.9	209.1	206.8
72.5°	895.7	662.9	95.7	47.3	50.8	74.4	107.5	163.1	203.2	226.9	223.3
75°	731.4	490.4	68.5	42.5	46.1	72.1	108.7	169.0	217.4	242.2	236.3
77.5°	515.2	281.2	54.4	36.6	41.4	68.5	107.5	166.6	224.5	247.0	239.9
80°	217.4	101.6	44.9	33.1	35.4	61.4	99.3	159.5	224.5	261.1	257.6
82.5°	98.1	72.1	39.0	29.5	33.1	50.8	92.2	153.6	217.4	262.3	283.6
85°	76.8	59.1	33.1	26.0	29.5	48.4	82.7	146.5	208.0	242.2	265.9
87.5°	73.3	59.1	29.5	23.6	27.2	41.4	63.8	135.9	186.7	223.3	242.2
90°	79.2	61.4	23.6	20.1	24.8	36.6	52.0	114.6	161.9	196.1	196.1
92.5°	73.3	56.7	17.7	15.4	26.0	29.5	49.6	70.9	117.0	98.1	121.7
95°	61.4	47.3	11.8	10.6	24.8	24.8	27.2	33.1	81.5	2.4	0.0
97.5°	44.9	34.3	7.1	5.9	18.9	20.1	13.0	15.4	33.1	0.0	0.0
100°	33.1	22.5	4.7	4.7	11.8	16.5	8.3	8.3	0.0	0.0	0.0
102.5°	17.7	11.8	3.5	2.4	5.9	9.5	3.5	2.4	0.0	0.0	0.0
105°	9.5	4.7	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
107.5°	2.4	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	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7040

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	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.2	1.2	1.2	1.2	1.2	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.2	1.2	1.2	1.2	1.2	0.0	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	0.0	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	1.2	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)