

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: P691465

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-8027-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T5R-8027-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3696 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 42.8
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



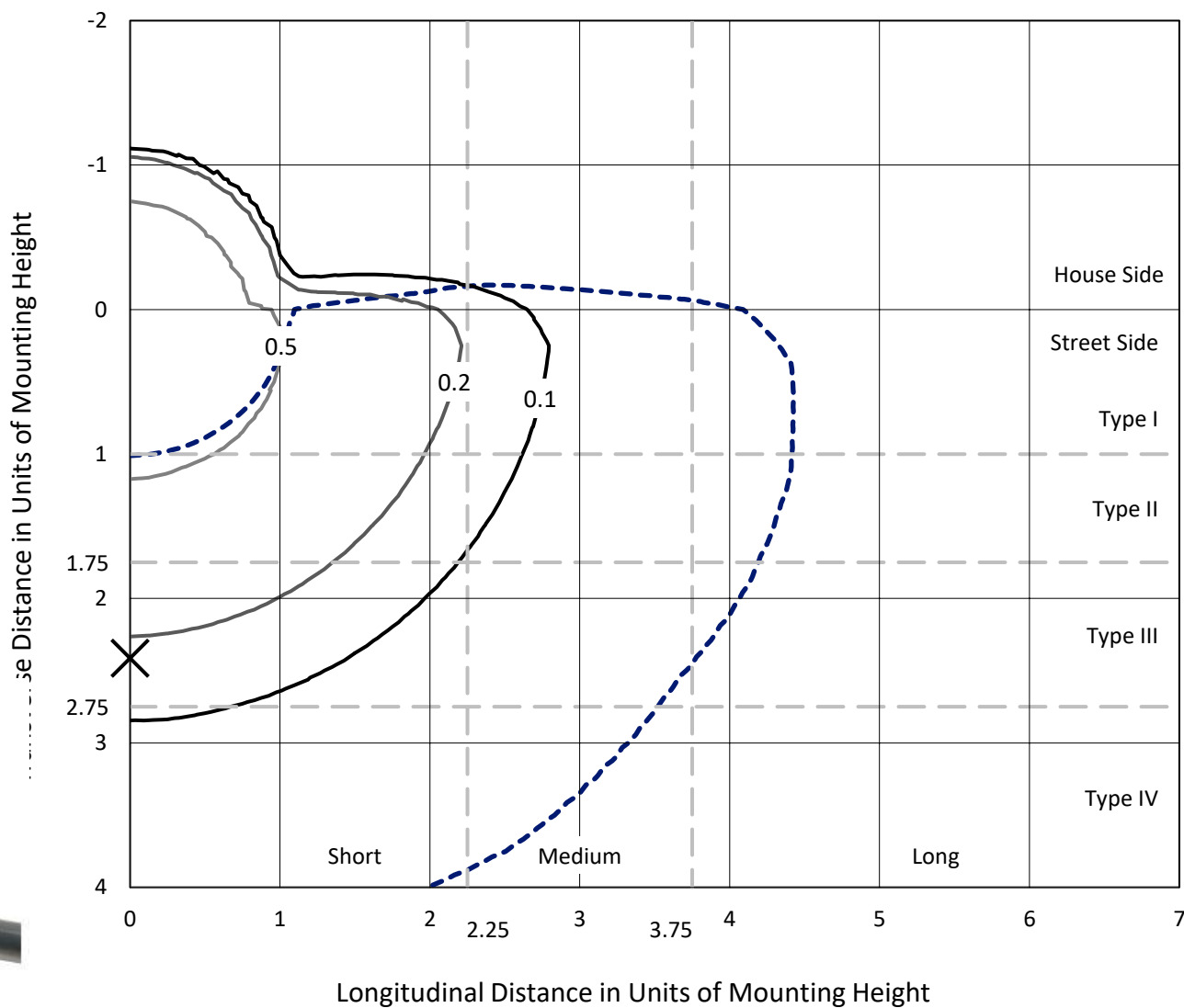
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

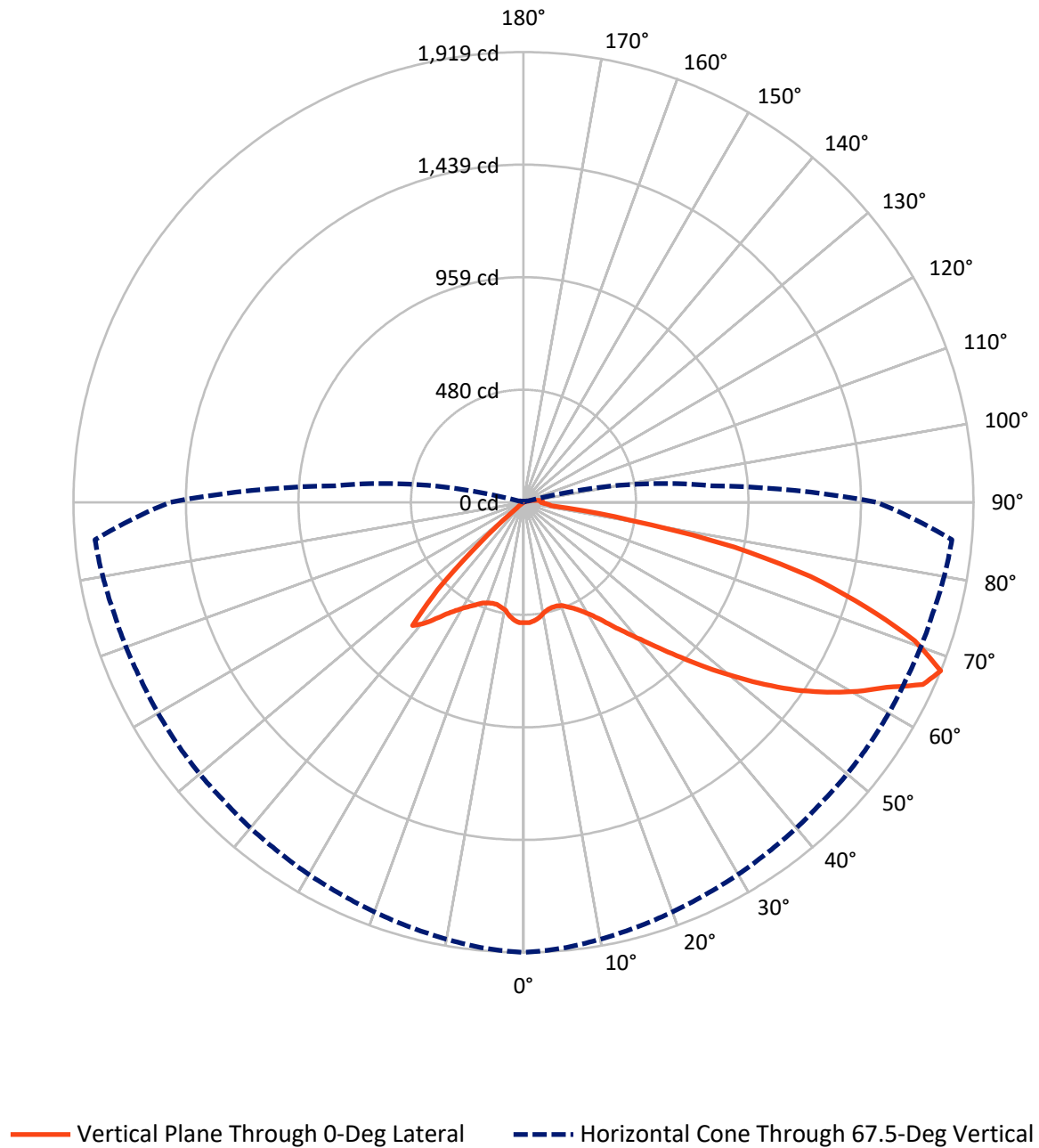


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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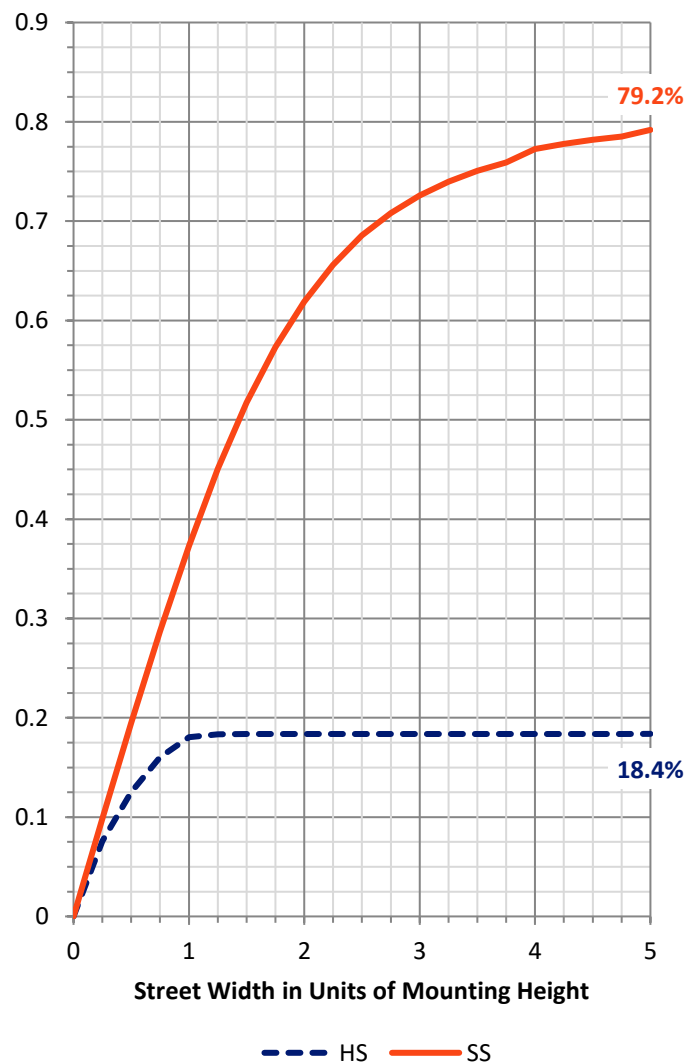
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	683.6	2.7	686.3
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	2958.3	51.4	3009.7
	% Fixture	80.0	1.4	81.4
Total	Lumens	3641.9	54.1	3696.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	1.3
10°-20°	127.7	3.5
20°-30°	224.9	6.1
30°-40°	384.4	10.4
40°-50°	528.3	14.3
50°-60°	653.0	17.7
60°-70°	912.5	24.7
70°-80°	666.6	18.0
80°-90°	97.9	2.6
90°-100°	43.1	1.2
100°-110°	9.9	0.3
110°-120°	0.6	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3641.9	98.5
0°-180°	3696.0	100.0

Coefficient of Utilization



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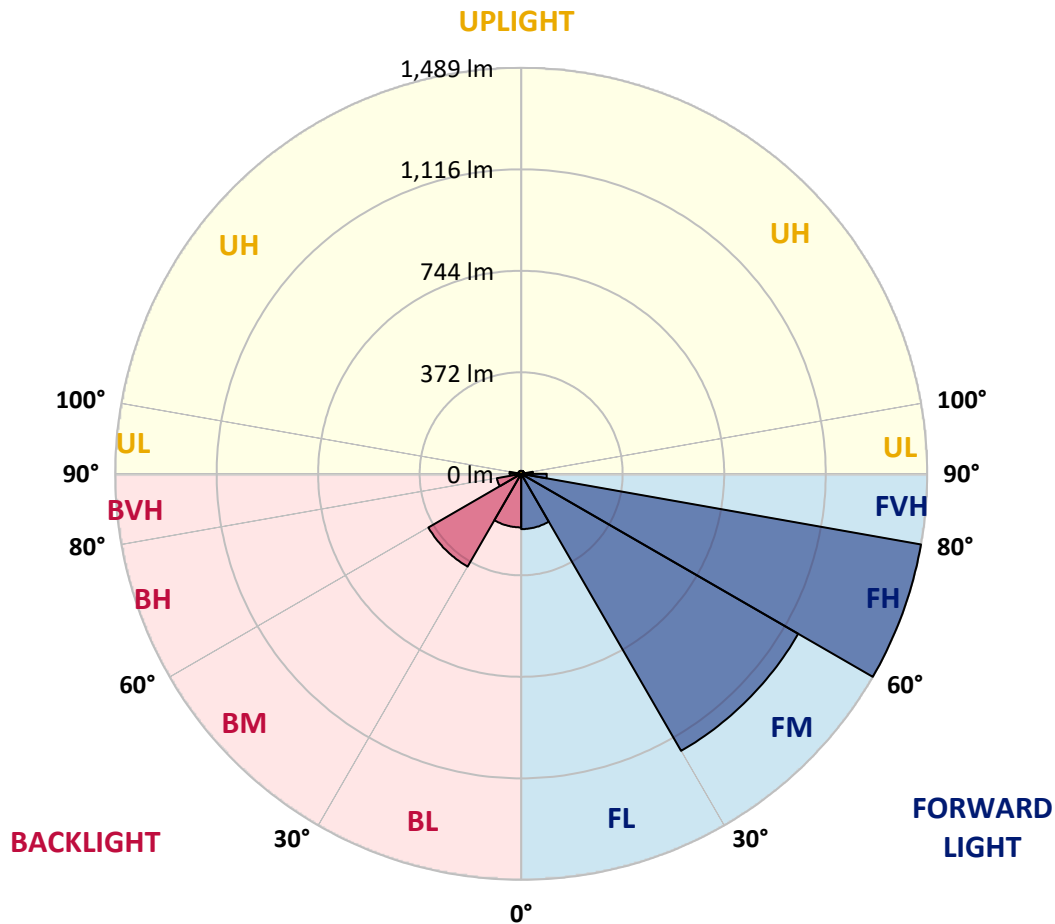
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	202.7	5.5			
FM	(30°-60°)	1172.9	31.7			
FH	(60°-80°)	1488.6	40.3			G1/1800
FVH	(80°-90°)	94.1	2.5			G1/100
BL	(0°-30°)	196.5	5.3	B1/500		
BM	(30°-60°)	392.8	10.6	B1/1000		
BH	(60°-80°)	90.4	2.4	B0/110		G0/110
BVH	(80°-90°)	3.8	0.1			G0/10
UL	(90°-100°)	43.1	1.2		U2/50	
UH	(100°-180°)	11.0	0.3		U2/50	

BUG Rating: B1-U2-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	513.1	513.1	513.1	513.1	514.9	513.1	511.3	507.7	507.7	507.7	507.7
5°	505.9	505.9	507.7	507.7	505.9	504.1	500.5	500.5	498.7	498.7	498.7
7.5°	495.0	495.0	495.0	496.9	493.2	487.8	486.0	484.2	482.4	480.6	478.8
10°	478.8	478.8	478.8	477.0	473.4	467.9	464.3	460.7	460.7	458.9	457.1
12.5°	467.9	467.9	467.9	466.1	460.7	457.1	451.7	448.1	446.3	446.3	444.5
15°	464.3	464.3	464.3	462.5	457.1	453.5	448.1	444.5	440.8	439.0	437.2
17.5°	464.3	464.3	464.3	460.7	458.9	453.5	448.1	444.5	442.6	440.8	439.0
20°	469.7	471.6	469.7	467.9	462.5	458.9	453.5	448.1	446.3	446.3	444.5
22.5°	484.2	482.4	482.4	480.6	475.2	469.7	466.1	462.5	458.9	458.9	457.1
25°	500.5	502.3	502.3	498.7	495.0	489.6	484.2	478.8	477.0	475.2	473.4
27.5°	524.0	524.0	525.8	522.1	516.7	513.1	507.7	504.1	500.5	496.9	495.0
30°	552.9	554.7	554.7	551.1	545.6	538.4	534.8	529.4	524.0	524.0	518.5
32.5°	590.8	594.4	592.6	589.0	583.6	576.3	572.7	567.3	563.7	558.3	554.7
35°	643.2	645.0	643.2	639.6	630.5	623.3	619.7	616.1	612.5	605.3	598.0
37.5°	701.0	702.8	704.6	701.0	690.2	679.3	675.7	670.3	668.5	659.5	655.8
40°	767.9	771.5	769.7	764.2	755.2	744.4	742.6	737.1	731.7	726.3	717.3
42.5°	849.2	849.2	847.4	843.7	836.5	823.9	820.3	814.8	811.2	800.4	785.9
45°	943.1	944.9	939.5	934.1	932.3	921.4	912.4	907.0	896.1	883.5	867.2
47.5°	1053.3	1051.5	1044.3	1038.9	1037.1	1028.0	1020.8	1010.0	995.5	981.1	950.3
50°	1167.1	1167.1	1154.5	1149.1	1152.7	1140.0	1131.0	1118.4	1103.9	1089.5	1044.3
52.5°	1290.0	1284.6	1271.9	1273.7	1268.3	1255.7	1244.8	1235.8	1221.3	1208.7	1136.4
55°	1412.9	1405.6	1385.8	1387.6	1378.5	1364.1	1356.9	1346.0	1342.4	1327.9	1225.0
57.5°	1526.7	1517.7	1496.0	1494.2	1486.9	1470.7	1467.1	1454.4	1445.4	1438.2	1291.8
60°	1636.9	1627.9	1608.0	1600.8	1586.3	1570.0	1571.9	1564.6	1559.2	1552.0	1365.9
62.5°	1736.3	1725.4	1707.4	1692.9	1673.0	1658.6	1660.4	1656.8	1660.4	1658.6	1429.1
65°	1871.8	1860.9	1833.8	1808.5	1779.6	1757.9	1756.1	1761.6	1799.5	1803.1	1526.7
67.5°	1918.7	1907.9	1873.6	1842.9	1819.4	1803.1	1799.5	1797.7	1808.5	1833.8	1506.8
70°	1770.6	1763.4	1730.8	1709.2	1685.7	1674.8	1664.0	1669.4	1680.3	1678.5	1382.1
72.5°	1528.5	1568.2	1526.7	1506.8	1501.4	1472.5	1479.7	1474.3	1481.5	1479.7	1228.6
75°	1264.7	1253.9	1244.8	1279.2	1253.9	1232.2	1244.8	1257.5	1270.1	1255.7	1076.8
77.5°	919.6	926.9	923.2	935.9	959.4	948.5	941.3	972.0	977.4	928.7	836.5
80°	462.5	491.4	500.5	522.1	534.8	511.3	491.4	534.8	527.6	471.6	424.6
82.5°	121.1	122.9	140.9	166.2	169.8	166.2	169.8	166.2	144.5	92.1	77.7
85°	101.2	101.2	124.7	151.8	157.2	150.0	150.0	140.9	112.0	57.8	47.0
87.5°	83.1	86.7	112.0	137.3	140.9	133.7	131.9	121.1	97.6	50.6	39.7
90°	74.1	77.7	101.2	122.9	124.7	117.4	115.6	108.4	88.5	50.6	39.7
92.5°	81.3	83.1	99.4	112.0	112.0	106.6	104.8	99.4	86.7	63.2	48.8
95°	72.3	74.1	81.3	86.7	84.9	79.5	83.1	77.7	72.3	59.6	45.2
97.5°	59.6	61.4	63.2	63.2	61.4	57.8	61.4	59.6	56.0	48.8	36.1
100°	45.2	45.2	45.2	47.0	45.2	43.4	45.2	41.6	39.7	34.3	25.3
102.5°	30.7	30.7	30.7	30.7	30.7	30.7	30.7	27.1	25.3	21.7	14.5
105°	18.1	18.1	16.3	18.1	18.1	16.3	16.3	14.5	10.8	9.0	5.4
107.5°	7.2	7.2	5.4	5.4	5.4	5.4	3.6	1.8	1.8	1.8	1.8
110°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.8
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	1.8	1.8	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
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°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	507.7	507.7	507.7	507.7	507.7	507.7	509.5	511.3	513.1	513.1
5°	498.7	498.7	498.7	496.9	498.7	500.5	502.3	502.3	504.1	504.1
7.5°	480.6	478.8	478.8	478.8	480.6	484.2	484.2	486.0	487.8	487.8
10°	457.1	457.1	457.1	457.1	458.9	462.5	462.5	466.1	466.1	466.1
12.5°	444.5	444.5	442.6	440.8	444.5	444.5	449.9	451.7	453.5	457.1
15°	437.2	435.4	437.2	437.2	439.0	440.8	442.6	446.3	448.1	449.9
17.5°	437.2	437.2	437.2	439.0	440.8	440.8	442.6	446.3	448.1	449.9
20°	444.5	444.5	442.6	442.6	444.5	444.5	448.1	451.7	453.5	455.3
22.5°	455.3	453.5	453.5	451.7	453.5	455.3	458.9	462.5	462.5	462.5
25°	469.7	467.9	467.9	467.9	471.6	471.6	475.2	478.8	478.8	478.8
27.5°	493.2	489.6	487.8	487.8	487.8	489.6	493.2	495.0	496.9	496.9
30°	513.1	509.5	507.7	505.9	507.7	509.5	513.1	516.7	516.7	516.7
32.5°	549.2	540.2	534.8	536.6	536.6	538.4	542.0	542.0	543.8	543.8
35°	590.8	581.8	572.7	574.5	574.5	576.3	576.3	576.3	580.0	576.3
37.5°	643.2	628.7	621.5	623.3	619.7	619.7	619.7	619.7	617.9	621.5
40°	699.2	677.5	670.3	672.1	670.3	668.5	668.5	670.3	668.5	670.3
42.5°	690.2	599.8	621.5	646.8	664.9	677.5	692.0	699.2	699.2	706.4
45°	603.4	355.9	381.2	415.5	444.5	475.2	489.6	500.5	507.7	522.1
47.5°	524.0	128.3	146.3	169.8	200.5	200.5	225.8	236.7	240.3	252.9
50°	509.5	19.9	16.3	18.1	19.9	21.7	23.5	28.9	28.9	36.1
52.5°	554.7	18.1	10.8	7.2	7.2	5.4	3.6	3.6	3.6	5.4
55°	605.3	19.9	10.8	7.2	5.4	5.4	1.8	1.8	1.8	1.8
57.5°	648.6	18.1	9.0	7.2	5.4	3.6	0.0	0.0	0.0	0.0
60°	695.6	19.9	10.8	7.2	5.4	3.6	0.0	0.0	0.0	0.0
62.5°	737.1	19.9	10.8	7.2	5.4	1.8	0.0	0.0	0.0	0.0
65°	796.8	21.7	10.8	7.2	3.6	0.0	0.0	0.0	0.0	0.0
67.5°	807.6	21.7	10.8	5.4	1.8	0.0	0.0	0.0	0.0	0.0
70°	720.9	18.1	7.2	3.6	1.8	0.0	0.0	0.0	0.0	0.0
72.5°	619.7	10.8	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	498.7	9.0	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	334.2	7.2	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	150.0	5.4	1.8	1.8	0.0	0.0	1.8	1.8	0.0	0.0
82.5°	32.5	3.6	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.7	3.6	1.8	1.8	0.0	0.0	1.8	1.8	0.0	0.0
87.5°	19.9	1.8	1.8	1.8	0.0	0.0	0.0	1.8	0.0	0.0
90°	19.9	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	23.5	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	21.7	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	16.3	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	10.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	5.4	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-8027-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.8	1.8	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
130°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.8	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°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.8	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°	1.8	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°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.8	1.8	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	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.8	1.8	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)