

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: P691444

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7030-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691444
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-7030-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4087 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

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



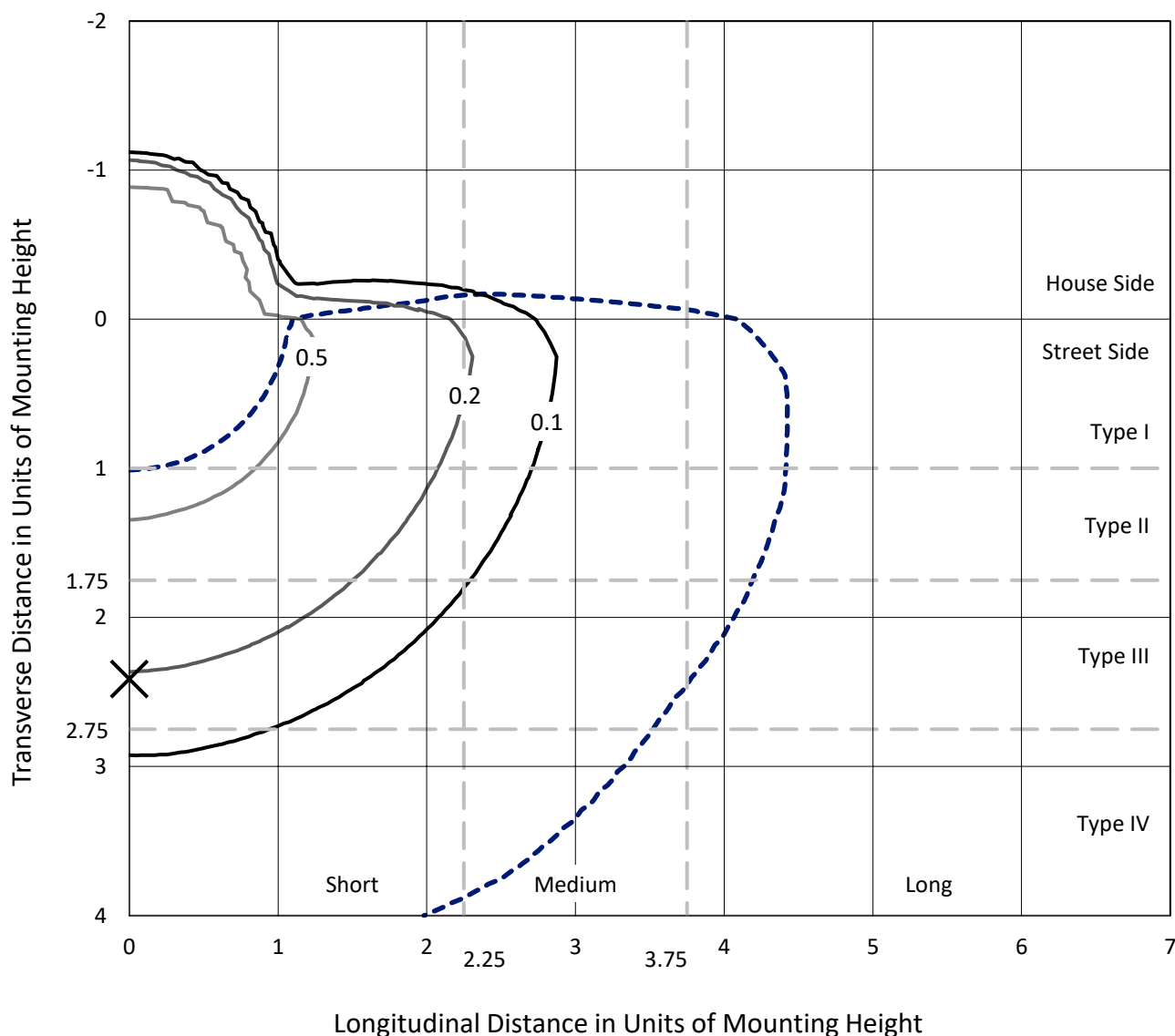
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



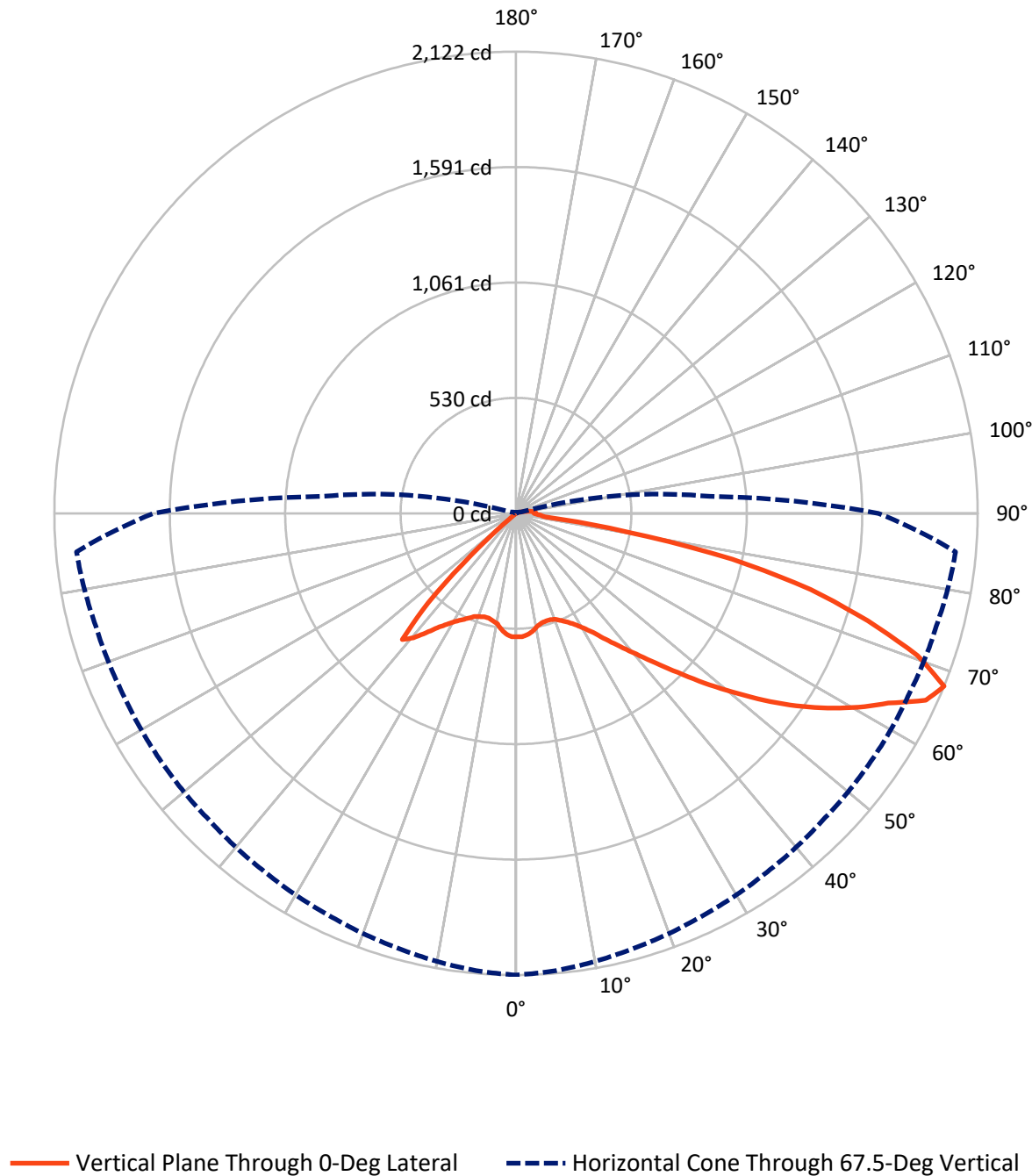
Based on 25 foot mounting height. Maximum calculated value = 0.9 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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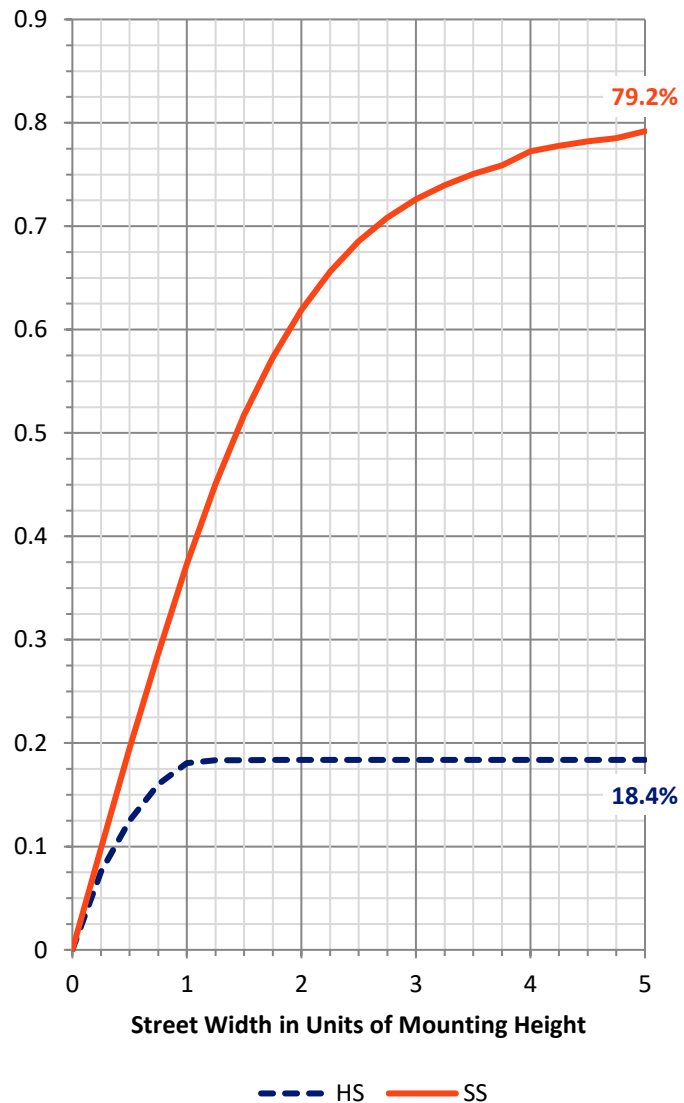
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	755.9	3.0	759.0
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	3271.3	56.8	3328.1
	% Fixture	80.0	1.4	81.4
Total	Lumens	4027.2	59.8	4087.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	1.3
10°-20°	141.2	3.5
20°-30°	248.7	6.1
30°-40°	425.1	10.4
40°-50°	584.2	14.3
50°-60°	722.0	17.7
60°-70°	1009.1	24.7
70°-80°	737.1	18.0
80°-90°	108.2	2.6
90°-100°	47.7	1.2
100°-110°	10.9	0.3
110°-120°	0.7	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°	4027.2	98.5
0°-180°	4087.0	100.0

Coefficient of Utilization



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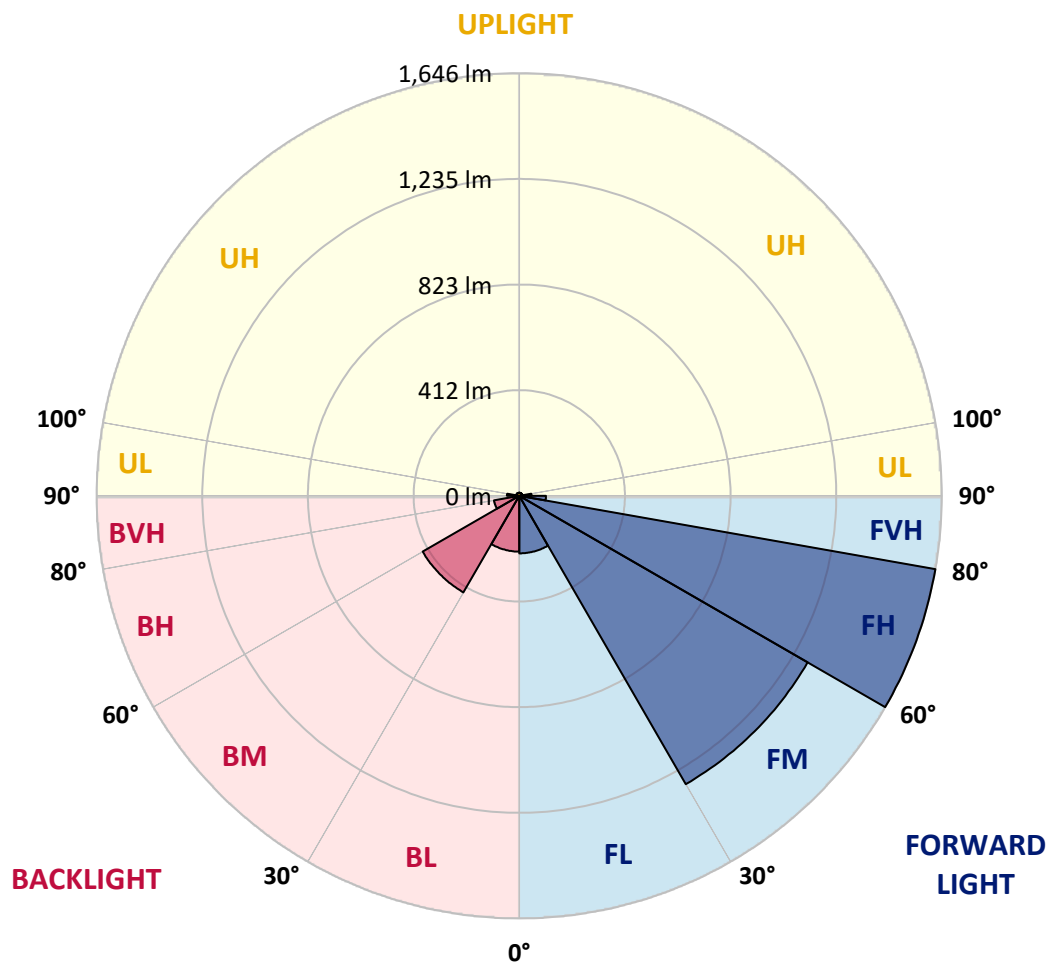
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.1	5.5			
FM	(30°-60°)	1297.0	31.7			
FH	(60°-80°)	1646.1	40.3			G1/1800
FVH	(80°-90°)	104.0	2.5			G2/225
BL	(0°-30°)	217.3	5.3	B1/500		
BM	(30°-60°)	434.3	10.6	B1/1000		
BH	(60°-80°)	100.0	2.4	B0/110		G0/110
BVH	(80°-90°)	4.2	0.1			G0/10
UL	(90°-100°)	47.7	1.2		U2/50	
UH	(100°-180°)	12.1	0.3		U2/50	

BUG Rating: B1-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	567.4	567.4	567.4	567.4	567.4	567.4	567.4	567.4	567.4	567.4	567.4
2.5°	567.4	567.4	567.4	567.4	569.4	567.4	565.4	561.4	561.4	561.4	561.4
5°	559.4	559.4	561.4	561.4	559.4	557.4	553.4	553.4	551.4	551.4	551.4
7.5°	547.4	547.4	547.4	549.4	545.4	539.4	537.4	535.4	533.4	531.4	529.4
10°	529.4	529.4	529.4	527.4	523.4	517.4	513.5	509.5	509.5	507.5	505.5
12.5°	517.4	517.4	517.4	515.4	509.5	505.5	499.5	495.5	493.5	493.5	491.5
15°	513.5	513.5	513.5	511.5	505.5	501.5	495.5	491.5	487.5	485.5	483.5
17.5°	513.5	513.5	513.5	509.5	507.5	501.5	495.5	491.5	489.5	487.5	485.5
20°	519.4	521.4	519.4	517.4	511.5	507.5	501.5	495.5	493.5	493.5	491.5
22.5°	535.4	533.4	533.4	531.4	525.4	519.4	515.4	511.5	507.5	507.5	505.5
25°	553.4	555.4	555.4	551.4	547.4	541.4	535.4	529.4	527.4	525.4	523.4
27.5°	579.4	579.4	581.4	577.4	571.4	567.4	561.4	557.4	553.4	549.4	547.4
30°	611.3	613.3	613.3	609.3	603.4	595.4	591.4	585.4	579.4	579.4	573.4
32.5°	653.3	657.3	655.3	651.3	645.3	637.3	633.3	627.3	623.3	617.3	613.3
35°	711.2	713.2	711.2	707.2	697.3	689.3	685.3	681.3	677.3	669.3	661.3
37.5°	775.2	777.2	779.2	775.2	763.2	751.2	747.2	741.2	739.2	729.2	725.2
40°	849.1	853.1	851.1	845.1	835.1	823.1	821.1	815.1	809.1	803.1	793.2
42.5°	939.0	939.0	937.0	933.0	925.0	911.0	907.0	901.0	897.0	885.1	869.1
45°	1042.9	1044.9	1038.9	1032.9	1030.9	1018.9	1008.9	1002.9	990.9	977.0	959.0
47.5°	1164.8	1162.8	1154.8	1148.8	1146.8	1136.8	1128.8	1116.8	1100.8	1084.8	1050.9
50°	1290.6	1290.6	1276.6	1270.6	1274.6	1260.7	1250.7	1236.7	1220.7	1204.7	1154.8
52.5°	1426.5	1420.5	1406.5	1408.5	1402.5	1388.5	1376.5	1366.5	1350.6	1336.6	1256.7
55°	1562.3	1554.3	1532.4	1534.4	1524.4	1508.4	1500.4	1488.4	1484.4	1468.4	1354.6
57.5°	1688.2	1678.2	1654.2	1652.2	1644.2	1626.3	1622.3	1608.3	1598.3	1590.3	1428.5
60°	1810.1	1800.1	1778.1	1770.1	1754.1	1736.1	1738.1	1730.2	1724.2	1716.2	1510.4
62.5°	1919.9	1908.0	1888.0	1872.0	1850.0	1834.0	1836.0	1832.0	1836.0	1834.0	1580.3
65°	2069.8	2057.8	2027.8	1999.9	1967.9	1943.9	1941.9	1947.9	1989.9	1993.9	1688.2
67.5°	2121.7	2109.7	2071.8	2037.8	2011.8	1993.9	1989.9	1987.9	1999.9	2027.8	1666.2
70°	1957.9	1949.9	1914.0	1890.0	1864.0	1852.0	1840.0	1846.0	1858.0	1856.0	1528.4
72.5°	1690.2	1734.1	1688.2	1666.2	1660.2	1628.3	1636.3	1630.3	1638.2	1636.3	1358.5
75°	1398.5	1386.5	1376.5	1414.5	1386.5	1362.5	1376.5	1390.5	1404.5	1388.5	1190.7
77.5°	1016.9	1024.9	1020.9	1034.9	1060.9	1048.9	1040.9	1074.9	1080.8	1026.9	925.0
80°	511.5	543.4	553.4	577.4	591.4	565.4	543.4	591.4	583.4	521.4	469.5
82.5°	133.9	135.9	155.8	183.8	187.8	183.8	187.8	183.8	159.8	101.9	85.9
85°	111.9	111.9	137.9	167.8	173.8	165.8	165.8	155.8	123.9	63.9	51.9
87.5°	91.9	95.9	123.9	151.8	155.8	147.8	145.8	133.9	107.9	55.9	44.0
90°	81.9	85.9	111.9	135.9	137.9	129.9	127.9	119.9	97.9	55.9	44.0
92.5°	89.9	91.9	109.9	123.9	123.9	117.9	115.9	109.9	95.9	69.9	53.9
95°	79.9	81.9	89.9	95.9	93.9	87.9	91.9	85.9	79.9	65.9	49.9
97.5°	65.9	67.9	69.9	69.9	67.9	63.9	67.9	65.9	61.9	53.9	40.0
100°	49.9	49.9	49.9	51.9	49.9	47.9	49.9	46.0	44.0	38.0	28.0
102.5°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	30.0	28.0	24.0	16.0
105°	20.0	20.0	18.0	20.0	20.0	18.0	18.0	16.0	12.0	10.0	6.0
107.5°	8.0	8.0	6.0	6.0	6.0	6.0	4.0	2.0	2.0	2.0	2.0
110°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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	2.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0
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	2.0	2.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
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°	567.4	567.4	567.4	567.4	567.4	567.4	567.4	567.4	567.4	567.4
2.5°	561.4	561.4	561.4	561.4	561.4	561.4	563.4	565.4	567.4	567.4
5°	551.4	551.4	551.4	549.4	551.4	553.4	555.4	555.4	557.4	557.4
7.5°	531.4	529.4	529.4	529.4	531.4	535.4	535.4	537.4	539.4	539.4
10°	505.5	505.5	505.5	505.5	507.5	511.5	511.5	515.4	515.4	515.4
12.5°	491.5	491.5	489.5	487.5	491.5	491.5	497.5	499.5	501.5	505.5
15°	483.5	481.5	483.5	483.5	485.5	487.5	489.5	493.5	495.5	497.5
17.5°	483.5	483.5	483.5	485.5	487.5	487.5	489.5	493.5	495.5	497.5
20°	491.5	491.5	489.5	489.5	491.5	491.5	495.5	499.5	501.5	503.5
22.5°	503.5	501.5	501.5	499.5	501.5	503.5	507.5	511.5	511.5	511.5
25°	519.4	517.4	517.4	517.4	521.4	521.4	525.4	529.4	529.4	529.4
27.5°	545.4	541.4	539.4	539.4	539.4	541.4	545.4	547.4	549.4	549.4
30°	567.4	563.4	561.4	559.4	561.4	563.4	567.4	571.4	571.4	571.4
32.5°	607.4	597.4	591.4	593.4	593.4	595.4	599.4	599.4	601.4	601.4
35°	653.3	643.3	633.3	635.3	635.3	637.3	637.3	637.3	641.3	637.3
37.5°	711.2	695.3	687.3	689.3	685.3	685.3	685.3	685.3	683.3	687.3
40°	773.2	749.2	741.2	743.2	741.2	739.2	739.2	741.2	739.2	741.2
42.5°	763.2	663.3	687.3	715.2	735.2	749.2	765.2	773.2	773.2	781.2
45°	667.3	393.6	421.5	459.5	491.5	525.4	541.4	553.4	561.4	577.4
47.5°	579.4	141.8	161.8	187.8	221.8	221.8	249.7	261.7	265.7	279.7
50°	563.4	22.0	18.0	20.0	22.0	24.0	26.0	32.0	32.0	40.0
52.5°	613.3	20.0	12.0	8.0	8.0	6.0	4.0	4.0	4.0	6.0
55°	669.3	22.0	12.0	8.0	6.0	6.0	2.0	2.0	2.0	2.0
57.5°	717.2	20.0	10.0	8.0	6.0	4.0	0.0	0.0	0.0	0.0
60°	769.2	22.0	12.0	8.0	6.0	4.0	0.0	0.0	0.0	0.0
62.5°	815.1	22.0	12.0	8.0	6.0	2.0	0.0	0.0	0.0	0.0
65°	881.1	24.0	12.0	8.0	4.0	0.0	0.0	0.0	0.0	0.0
67.5°	893.0	24.0	12.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0
70°	797.1	20.0	8.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0
72.5°	685.3	12.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	551.4	10.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	369.6	8.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	165.8	6.0	2.0	2.0	0.0	0.0	2.0	2.0	0.0	0.0
82.5°	36.0	4.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.0	4.0	2.0	2.0	0.0	0.0	2.0	2.0	0.0	0.0
87.5°	22.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0
90°	22.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	26.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	24.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	18.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	12.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	6.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	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-7030-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	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
130°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.0	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°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.0	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°	2.0	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°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	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	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.0	2.0	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)