

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: P691450

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
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
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6410 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G1

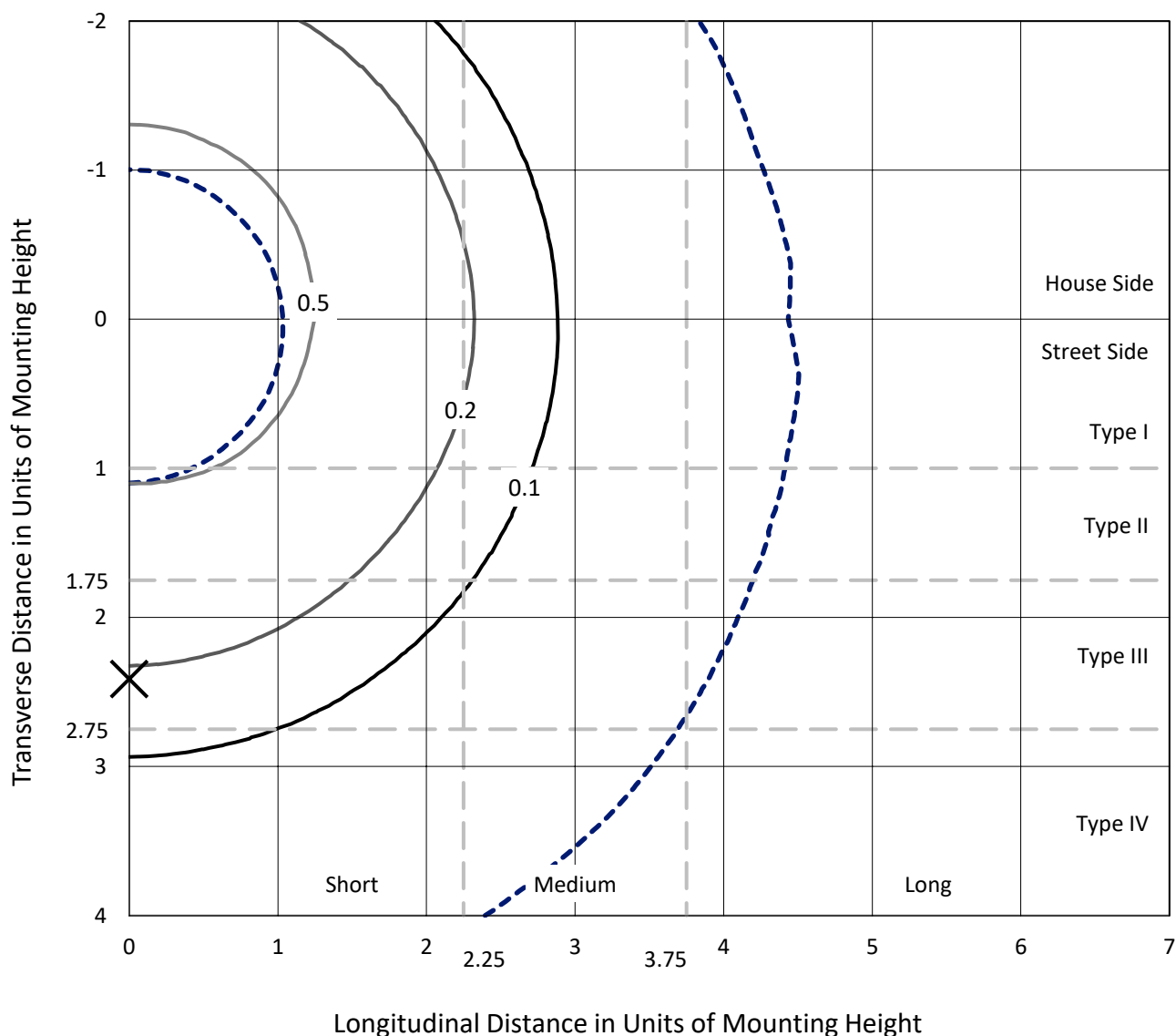
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

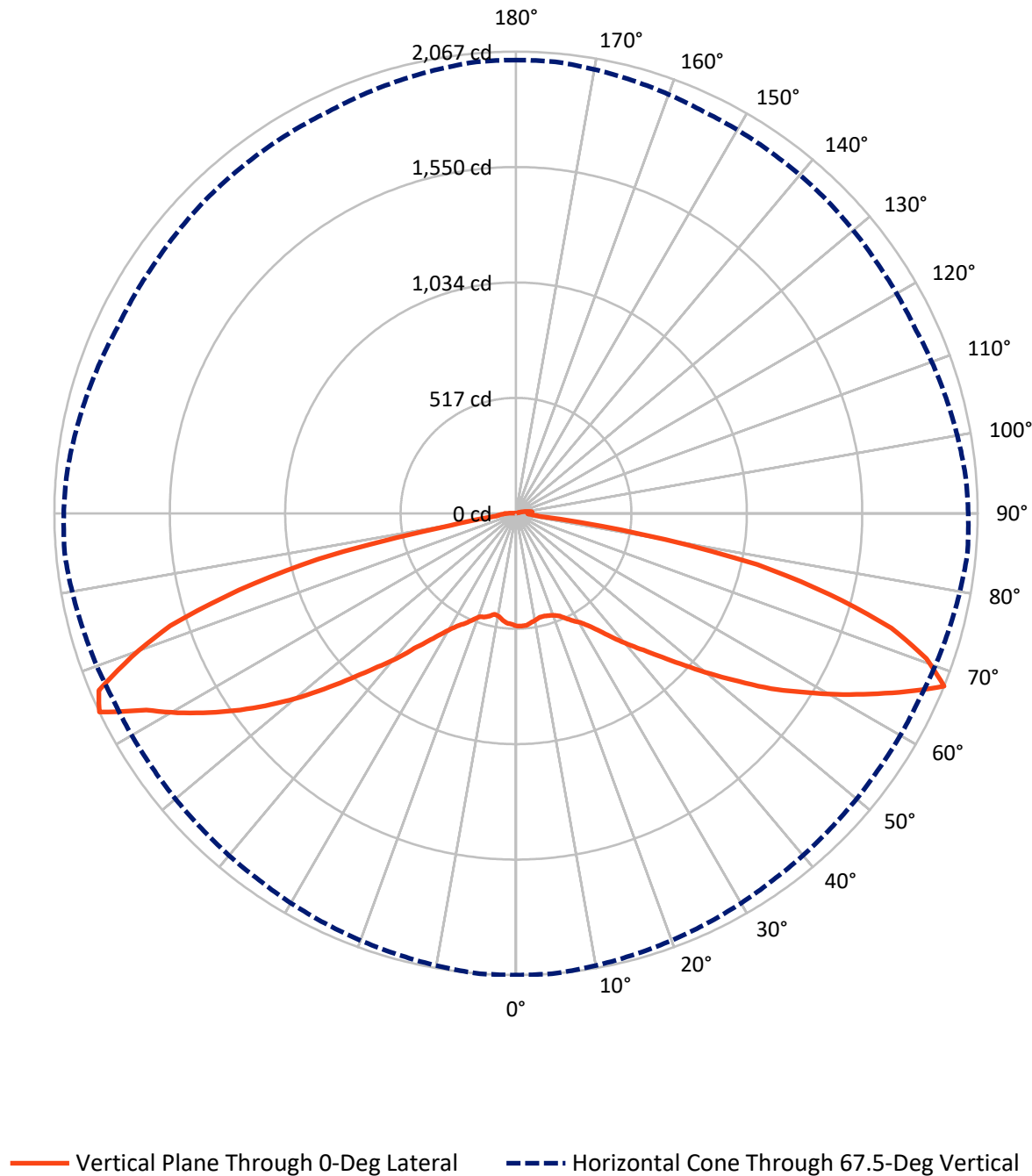
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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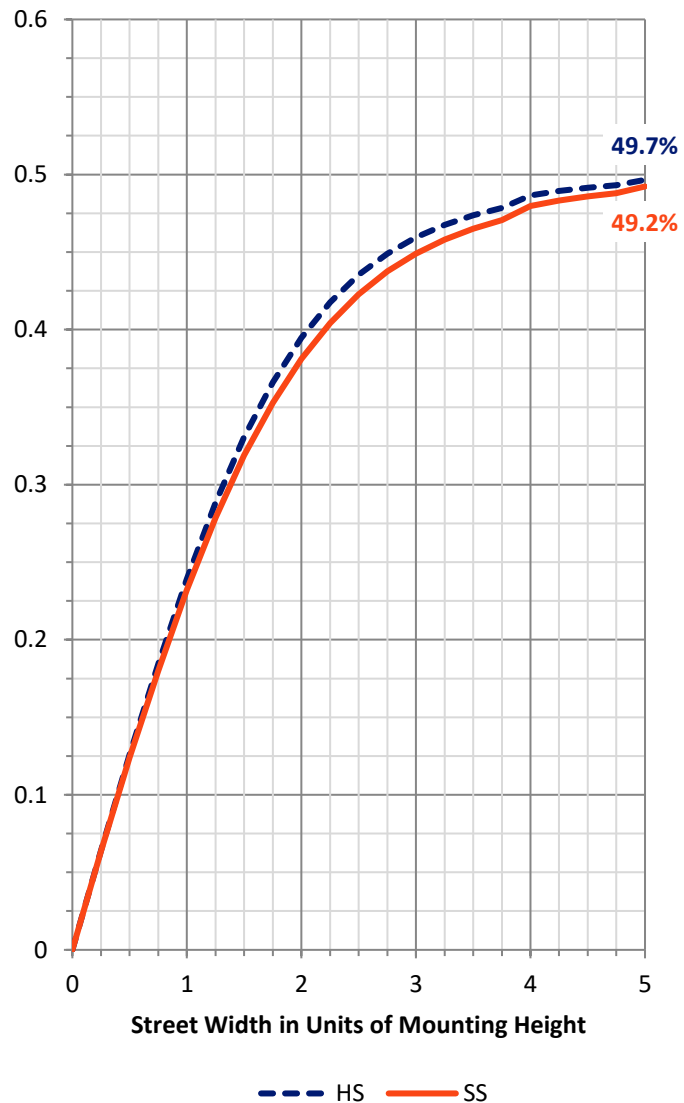
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3173.7	30.1	3203.8
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	3163.6	42.6	3206.2
	% Fixture	49.4	0.7	50.0
Total	Lumens	6337.4	72.6	6410.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	0.7
10°-20°	139.5	2.2
20°-30°	252.1	3.9
30°-40°	434.8	6.8
40°-50°	771.3	12.0
50°-60°	1313.1	20.5
60°-70°	1881.4	29.4
70°-80°	1367.9	21.3
80°-90°	129.9	2.0
90°-100°	58.6	0.9
100°-110°	14.0	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	6337.4	98.9
0°-180°	6410.0	100.0

Coefficient of Utilization



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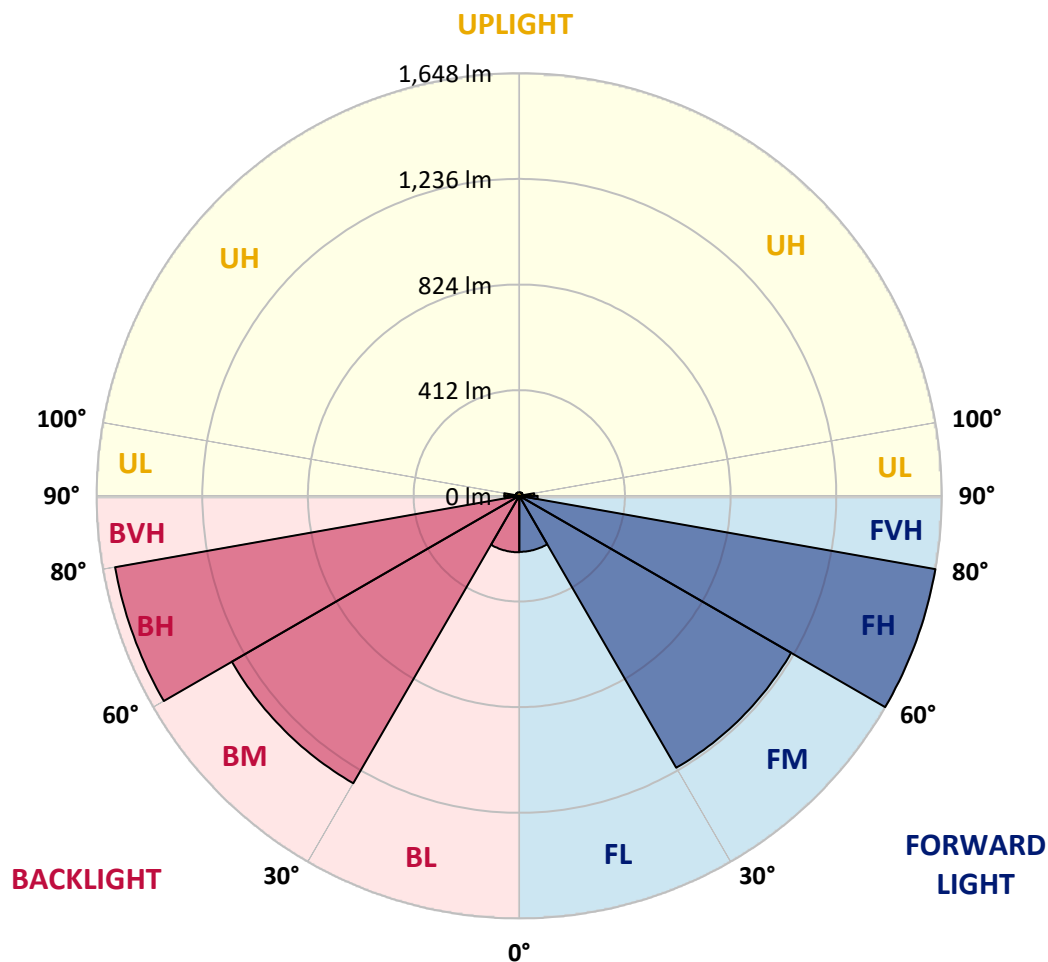
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.4	3.4			
FM	(30°-60°)	1224.6	19.1			
FH	(60°-80°)	1648.4	25.7			G1/1800
FVH	(80°-90°)	72.1	1.1			G1/100
BL	(0°-30°)	220.5	3.4	B1/500		
BM	(30°-60°)	1294.7	20.2	B2/2500		
BH	(60°-80°)	1600.8	25.0	B3/2500		G1/1800
BVH	(80°-90°)	57.7	0.9			G1/100
UL	(90°-100°)	58.6	0.9		U3/500	
UH	(100°-180°)	14.0	0.2		U2/50	

BUG Rating: B3-U3-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3
2.5°	505.3	505.3	505.3	505.3	505.3	505.3	503.3	499.3	499.3	499.3	499.3
5°	503.3	503.3	503.3	503.3	505.3	505.3	505.3	501.3	501.3	501.3	501.3
7.5°	493.3	493.3	495.3	495.3	497.3	499.3	497.3	497.3	497.3	499.3	499.3
10°	485.3	485.3	487.3	487.3	489.3	489.3	493.3	493.3	495.3	497.3	497.3
12.5°	477.3	477.3	479.3	483.3	485.3	487.3	489.3	491.3	495.3	497.3	497.3
15°	477.3	477.3	477.3	481.3	487.3	491.3	493.3	497.3	501.3	503.3	505.3
17.5°	481.3	481.3	481.3	485.3	489.3	495.3	501.3	503.3	507.3	511.3	511.3
20°	487.3	487.3	489.3	493.3	499.3	503.3	507.3	513.3	517.3	521.3	523.3
22.5°	499.3	501.3	501.3	503.3	509.3	515.3	519.3	523.3	529.3	533.3	537.3
25°	521.3	519.3	519.3	523.3	527.3	533.3	535.3	539.3	545.2	551.2	553.2
27.5°	545.2	543.3	543.3	547.2	551.2	555.2	557.2	563.2	569.2	575.2	577.2
30°	567.2	567.2	569.2	573.2	577.2	583.2	585.2	591.2	595.2	603.2	603.2
32.5°	601.2	603.2	605.2	607.2	611.2	617.2	623.1	625.1	629.1	635.1	639.1
35°	647.1	651.1	651.1	653.1	663.1	669.1	665.1	671.1	677.1	685.1	689.1
37.5°	707.0	705.0	711.0	719.0	721.0	727.0	725.0	729.0	737.0	747.0	753.0
40°	770.9	772.9	772.9	774.9	780.9	782.9	790.9	796.9	804.9	818.9	822.9
42.5°	836.8	840.8	844.8	846.8	856.8	858.8	864.8	872.8	882.8	892.8	896.8
45°	918.7	916.7	926.7	930.7	940.7	952.7	952.7	956.7	972.7	982.6	988.6
47.5°	1016.6	1020.6	1026.6	1032.6	1048.6	1050.6	1060.5	1066.5	1076.5	1086.5	1088.5
50°	1130.4	1130.4	1136.4	1148.4	1158.4	1168.4	1174.4	1182.4	1190.4	1206.3	1214.3
52.5°	1250.3	1252.3	1260.3	1272.2	1288.2	1290.2	1296.2	1310.2	1316.2	1320.2	1334.2
55°	1386.1	1380.1	1386.1	1404.1	1422.0	1420.0	1422.0	1438.0	1448.0	1456.0	1460.0
57.5°	1509.9	1509.9	1515.9	1529.9	1533.9	1539.9	1541.9	1555.9	1567.8	1577.8	1579.8
60°	1645.7	1643.7	1647.7	1659.7	1673.7	1673.7	1671.7	1685.7	1697.7	1699.7	1713.6
62.5°	1781.5	1775.6	1779.6	1787.5	1795.5	1787.5	1795.5	1807.5	1817.5	1825.5	1829.5
65°	1923.4	1915.4	1917.4	1909.4	1897.4	1887.4	1905.4	1939.3	1969.3	1985.3	1987.3
67.5°	2067.2	2067.2	2045.2	2025.2	2005.2	1993.3	1987.3	1987.3	2007.2	2029.2	2025.2
70°	1949.3	1953.3	1935.3	1921.4	1889.4	1879.4	1873.4	1853.4	1863.4	1869.4	1855.4
72.5°	1757.6	1735.6	1727.6	1721.6	1697.7	1679.7	1659.7	1645.7	1639.7	1643.7	1627.8
75°	1452.0	1495.9	1472.0	1460.0	1444.0	1436.0	1384.1	1368.1	1366.1	1382.1	1382.1
77.5°	1104.5	1128.4	1112.5	1118.5	1094.5	1090.5	1070.5	1052.6	1038.6	1034.6	994.6
80°	573.2	591.2	595.2	615.2	611.2	599.2	585.2	533.3	519.3	527.3	489.3
82.5°	103.9	107.9	109.8	111.8	103.9	107.9	109.8	99.9	105.9	103.9	99.9
85°	59.9	59.9	61.9	61.9	57.9	53.9	57.9	55.9	55.9	59.9	59.9
87.5°	51.9	53.9	55.9	55.9	49.9	45.9	49.9	49.9	51.9	53.9	53.9
90°	53.9	53.9	57.9	57.9	51.9	47.9	53.9	55.9	55.9	55.9	57.9
92.5°	71.9	69.9	71.9	71.9	65.9	61.9	69.9	69.9	69.9	69.9	71.9
95°	69.9	67.9	69.9	67.9	63.9	59.9	65.9	67.9	67.9	67.9	69.9
97.5°	59.9	59.9	59.9	59.9	53.9	51.9	59.9	59.9	57.9	57.9	59.9
100°	45.9	43.9	43.9	43.9	41.9	41.9	45.9	43.9	41.9	43.9	45.9
102.5°	30.0	30.0	30.0	30.0	30.0	30.0	30.0	28.0	28.0	28.0	32.0
105°	18.0	18.0	16.0	16.0	16.0	16.0	16.0	14.0	14.0	14.0	18.0
107.5°	6.0	6.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	6.0
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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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	0.0
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	0.0
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	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	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°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3
2.5°	501.3	501.3	503.3	501.3	501.3	499.3	497.3	495.3	497.3	497.3
5°	501.3	503.3	501.3	499.3	497.3	495.3	495.3	491.3	491.3	493.3
7.5°	499.3	503.3	499.3	497.3	491.3	489.3	487.3	483.3	483.3	483.3
10°	497.3	497.3	495.3	487.3	483.3	477.3	475.3	471.4	469.4	467.4
12.5°	497.3	497.3	491.3	485.3	479.3	471.4	469.4	465.4	463.4	461.4
15°	503.3	505.3	501.3	493.3	483.3	481.3	475.3	473.3	471.4	475.3
17.5°	513.3	511.3	507.3	499.3	493.3	491.3	483.3	483.3	481.3	485.3
20°	523.3	519.3	515.3	511.3	503.3	499.3	499.3	493.3	495.3	491.3
22.5°	535.3	537.3	531.3	525.3	519.3	517.3	515.3	515.3	513.3	513.3
25°	555.2	555.2	551.2	545.2	541.3	537.3	535.3	537.3	533.3	539.3
27.5°	579.2	577.2	577.2	573.2	567.2	565.2	563.2	565.2	563.2	563.2
30°	603.2	607.2	603.2	601.2	597.2	597.2	595.2	595.2	597.2	595.2
32.5°	641.1	643.1	643.1	641.1	637.1	635.1	635.1	637.1	641.1	639.1
35°	691.0	693.0	697.0	701.0	701.0	697.0	693.0	691.0	693.0	693.0
37.5°	757.0	759.0	763.0	763.0	761.0	759.0	761.0	764.9	757.0	757.0
40°	824.9	822.9	826.9	830.9	832.9	830.9	828.9	832.9	836.8	842.8
42.5°	900.8	904.8	906.8	914.7	918.7	918.7	916.7	922.7	924.7	924.7
45°	990.6	1000.6	996.6	1010.6	1022.6	1024.6	1018.6	1022.6	1018.6	1022.6
47.5°	1094.5	1102.5	1110.5	1122.5	1128.4	1132.4	1130.4	1134.4	1138.4	1138.4
50°	1212.3	1218.3	1232.3	1248.3	1258.3	1258.3	1250.3	1258.3	1266.3	1264.3
52.5°	1336.2	1348.1	1362.1	1376.1	1384.1	1386.1	1386.1	1392.1	1390.1	1390.1
55°	1466.0	1476.0	1493.9	1501.9	1511.9	1515.9	1515.9	1517.9	1515.9	1515.9
57.5°	1589.8	1601.8	1615.8	1631.8	1641.7	1645.7	1641.7	1641.7	1641.7	1637.7
60°	1717.6	1725.6	1739.6	1751.6	1757.6	1765.6	1765.6	1763.6	1761.6	1759.6
62.5°	1835.5	1839.5	1843.5	1845.5	1851.5	1867.4	1867.4	1877.4	1877.4	1875.4
65°	1989.3	1971.3	1955.3	1959.3	1973.3	1987.3	1999.2	2039.2	2059.2	2067.2
67.5°	2019.2	1993.3	1969.3	1967.3	1975.3	1979.3	1985.3	2007.2	2029.2	2029.2
70°	1843.5	1827.5	1805.5	1815.5	1821.5	1815.5	1823.5	1837.5	1857.4	1839.5
72.5°	1615.8	1589.8	1605.8	1615.8	1605.8	1597.8	1601.8	1599.8	1613.8	1627.8
75°	1364.1	1310.2	1310.2	1310.2	1314.2	1296.2	1296.2	1298.2	1324.2	1288.2
77.5°	1010.6	972.7	962.7	922.7	918.7	894.8	910.7	900.8	924.7	910.7
80°	471.4	455.4	449.4	409.4	401.4	337.5	361.5	321.6	333.5	299.6
82.5°	97.9	95.9	93.9	83.9	75.9	65.9	77.9	87.9	89.9	87.9
85°	61.9	63.9	63.9	59.9	55.9	49.9	59.9	73.9	77.9	77.9
87.5°	53.9	55.9	55.9	53.9	49.9	43.9	49.9	55.9	57.9	55.9
90°	57.9	59.9	57.9	55.9	51.9	45.9	51.9	53.9	43.9	45.9
92.5°	69.9	69.9	67.9	67.9	65.9	57.9	63.9	51.9	20.0	6.0
95°	67.9	65.9	65.9	63.9	61.9	51.9	51.9	14.0	0.0	0.0
97.5°	57.9	53.9	53.9	51.9	51.9	43.9	32.0	0.0	0.0	0.0
100°	43.9	37.9	37.9	36.0	36.0	30.0	12.0	0.0	0.0	0.0
102.5°	30.0	24.0	22.0	20.0	20.0	18.0	2.0	0.0	0.0	0.0
105°	16.0	10.0	8.0	6.0	6.0	4.0	0.0	0.0	0.0	0.0
107.5°	6.0	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



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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	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
120°	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
125°	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
130°	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
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)