

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: P691458

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7050-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691458
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-7050-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4258 lumens
Efficiency: N/A
Efficacy: 99.5 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

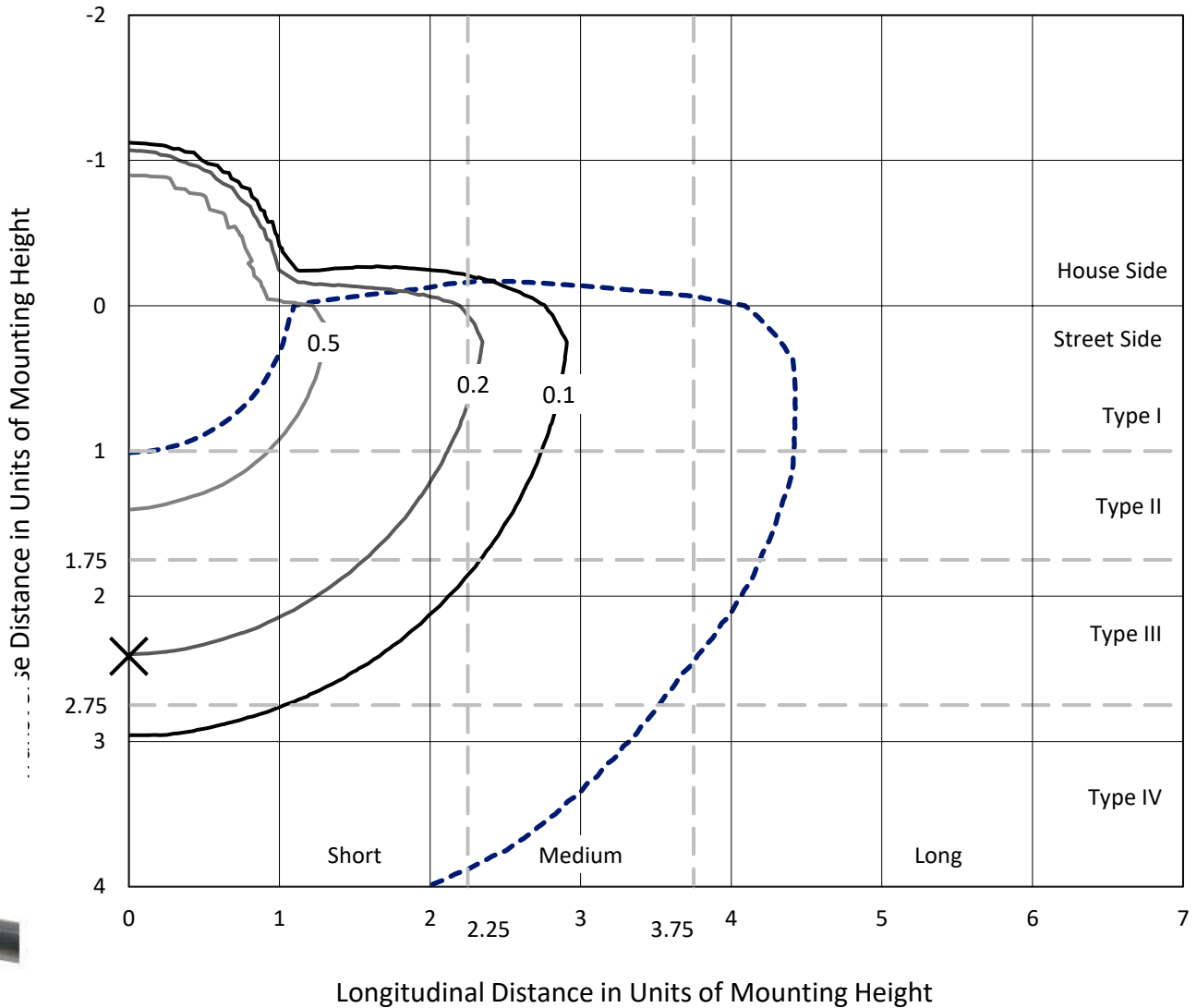


REPORT NUMBER: P691458

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

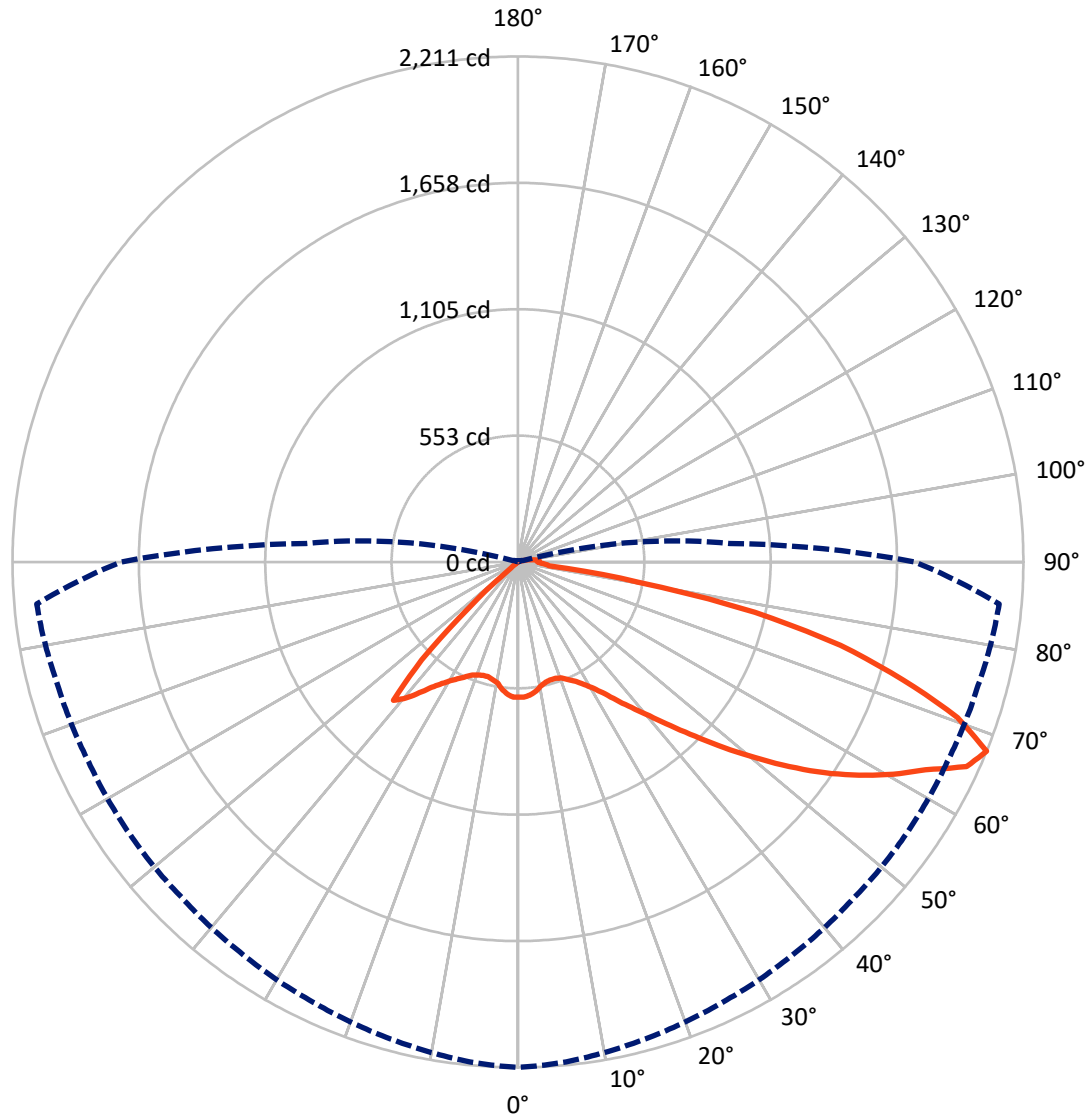
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P691458
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-DS-HSS-CRTK2

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P691458

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-DS-HSS-CRTK2

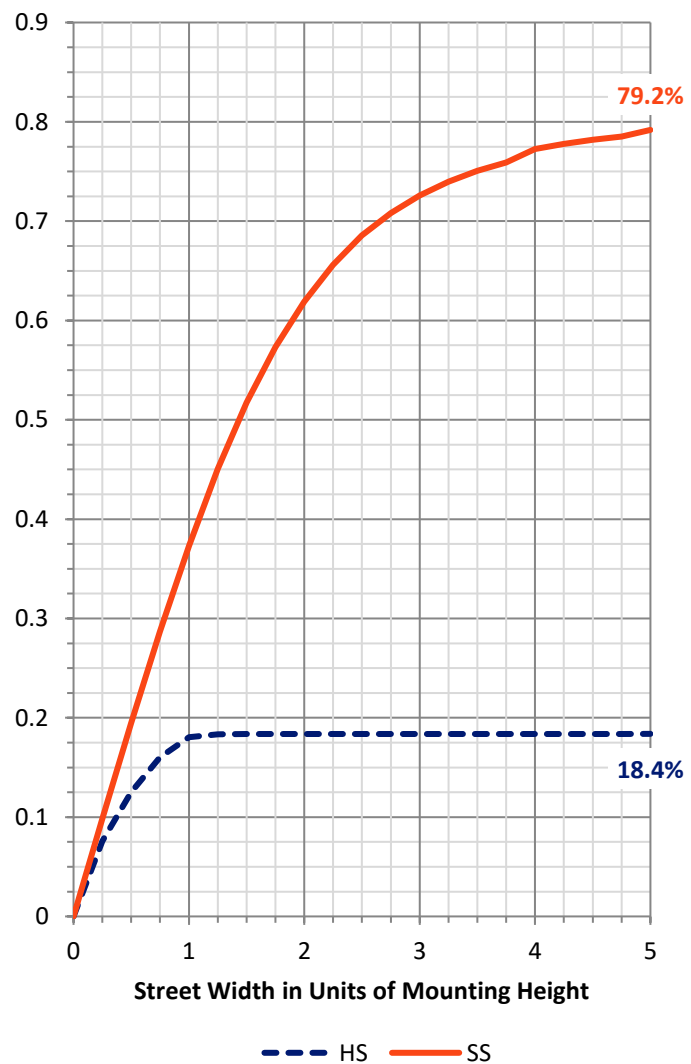
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	787.5	3.2	790.7
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	3408.1	59.2	3467.3
	% Fixture	80.0	1.4	81.4
Total	Lumens	4195.7	62.3	4258.0
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.8	1.3
10°-20°	147.1	3.5
20°-30°	259.1	6.1
30°-40°	442.9	10.4
40°-50°	608.6	14.3
50°-60°	752.2	17.7
60°-70°	1051.3	24.7
70°-80°	767.9	18.0
80°-90°	112.8	2.6
90°-100°	49.7	1.2
100°-110°	11.4	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°	4195.7	98.5
0°-180°	4258.0	100.0



REPORT NUMBER: P691458

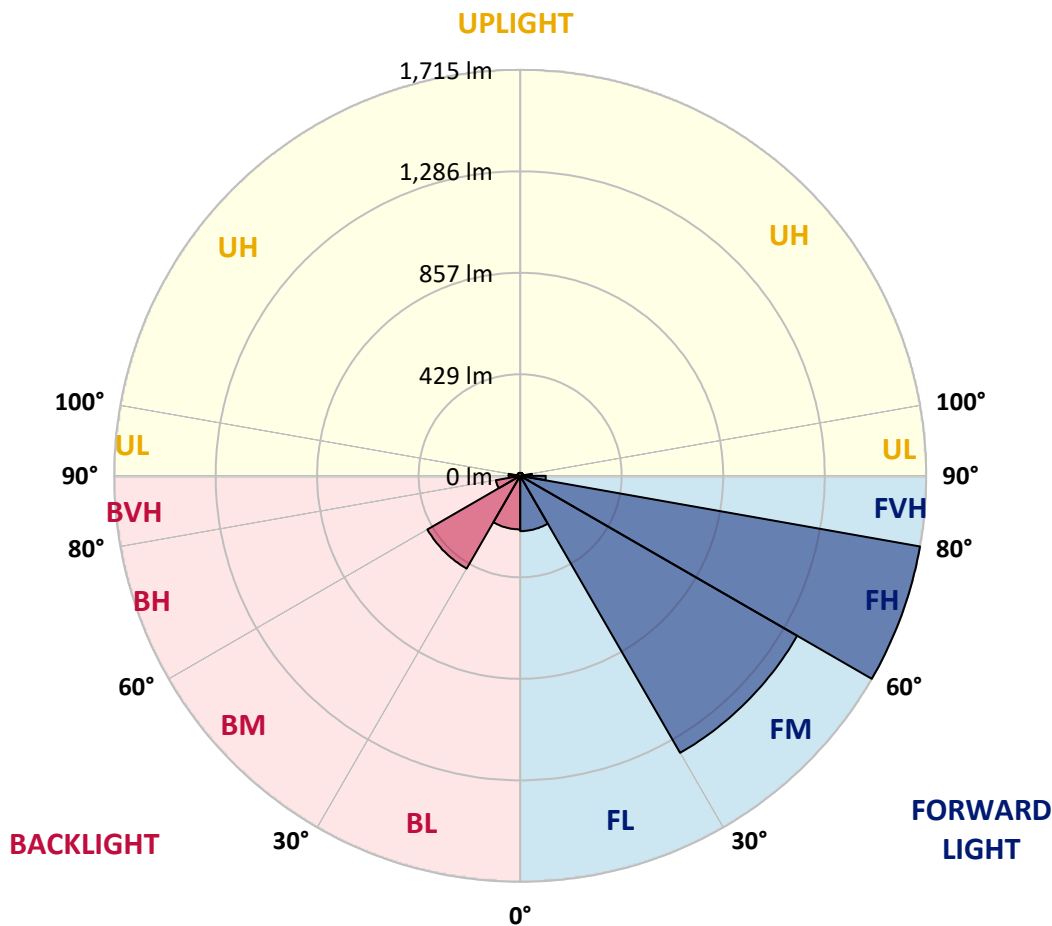
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.5	5.5			
FM (30°-60°)	1351.3	31.7			
FH (60°-80°)	1715.0	40.3			G1/1800
FVH (80°-90°)	108.4	2.5			G2/225
BL (0°-30°)	226.4	5.3	B1/500		
BM (30°-60°)	452.5	10.6	B1/1000		
BH (60°-80°)	104.2	2.4	B0/110		G0/110
BVH (80°-90°)	4.4	0.1			G0/10
UL (90°-100°)	49.7	1.2		U2/50	
UH (100°-180°)	12.6	0.3		U2/50	

BUG Rating: B1-U2-G2

Type IV Short





REPORT NUMBER: P691458

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1
2.5°	591.1	591.1	591.1	591.1	593.2	591.1	589.1	584.9	584.9	584.9	584.9
5°	582.8	582.8	584.9	584.9	582.8	580.7	576.6	576.6	574.5	574.5	574.5
7.5°	570.3	570.3	570.3	572.4	568.2	562.0	559.9	557.8	555.7	553.7	551.6
10°	551.6	551.6	551.6	549.5	545.3	539.1	534.9	530.8	530.8	528.7	526.6
12.5°	539.1	539.1	539.1	537.0	530.8	526.6	520.4	516.2	514.1	514.1	512.0
15°	534.9	534.9	534.9	532.9	526.6	522.4	516.2	512.0	507.9	505.8	503.7
17.5°	534.9	534.9	534.9	530.8	528.7	522.4	516.2	512.0	510.0	507.9	505.8
20°	541.2	543.3	541.2	539.1	532.9	528.7	522.4	516.2	514.1	514.1	512.0
22.5°	557.8	555.7	555.7	553.7	547.4	541.2	537.0	532.9	528.7	528.7	526.6
25°	576.6	578.6	578.6	574.5	570.3	564.1	557.8	551.6	549.5	547.4	545.3
27.5°	603.6	603.6	605.7	601.5	595.3	591.1	584.9	580.7	576.6	572.4	570.3
30°	636.9	639.0	639.0	634.8	628.6	620.3	616.1	609.9	603.6	603.6	597.4
32.5°	680.6	684.8	682.7	678.6	672.3	664.0	659.8	653.6	649.4	643.2	639.0
35°	741.0	743.1	741.0	736.8	726.4	718.1	713.9	709.8	705.6	697.3	689.0
37.5°	807.6	809.7	811.8	807.6	795.1	782.6	778.5	772.2	770.1	759.7	755.6
40°	884.6	888.8	886.7	880.5	870.0	857.6	855.5	849.2	843.0	836.7	826.3
42.5°	978.3	978.3	976.2	972.0	963.7	949.1	945.0	938.7	934.6	922.1	905.4
45°	1086.5	1088.6	1082.4	1076.1	1074.0	1061.5	1051.1	1044.9	1032.4	1017.8	999.1
47.5°	1213.5	1211.4	1203.1	1196.8	1194.8	1184.3	1176.0	1163.5	1146.9	1130.2	1094.8
50°	1344.6	1344.6	1330.0	1323.8	1328.0	1313.4	1303.0	1288.4	1271.8	1255.1	1203.1
52.5°	1486.2	1479.9	1465.3	1467.4	1461.2	1446.6	1434.1	1423.7	1407.1	1392.5	1309.2
55°	1627.7	1619.4	1596.5	1598.6	1588.2	1571.5	1563.2	1550.7	1546.5	1529.9	1411.2
57.5°	1758.8	1748.4	1723.4	1721.4	1713.0	1694.3	1690.1	1675.6	1665.2	1656.8	1488.2
60°	1885.8	1875.4	1852.5	1844.2	1827.5	1808.8	1810.9	1802.5	1796.3	1788.0	1573.6
62.5°	2000.3	1987.8	1967.0	1950.3	1927.4	1910.8	1912.9	1908.7	1912.9	1910.8	1646.4
65°	2156.4	2143.9	2112.7	2083.5	2050.2	2025.3	2023.2	2029.4	2073.1	2077.3	1758.8
67.5°	2210.5	2198.0	2158.5	2123.1	2096.0	2077.3	2073.1	2071.0	2083.5	2112.7	1735.9
70°	2039.8	2031.5	1994.0	1969.1	1942.0	1929.5	1917.0	1923.3	1935.8	1933.7	1592.3
72.5°	1760.9	1806.7	1758.8	1735.9	1729.7	1696.4	1704.7	1698.5	1706.8	1704.7	1415.4
75°	1457.0	1444.5	1434.1	1473.7	1444.5	1419.6	1434.1	1448.7	1463.3	1446.6	1240.5
77.5°	1059.5	1067.8	1063.6	1078.2	1105.3	1092.8	1084.4	1119.8	1126.1	1069.9	963.7
80°	532.9	566.2	576.6	601.5	616.1	589.1	566.2	616.1	607.8	543.3	489.1
82.5°	139.5	141.5	162.4	191.5	195.7	191.5	195.7	191.5	166.5	106.2	89.5
85°	116.6	116.6	143.6	174.8	181.1	172.8	172.8	162.4	129.1	66.6	54.1
87.5°	95.7	99.9	129.1	158.2	162.4	154.0	151.9	139.5	112.4	58.3	45.8
90°	85.3	89.5	116.6	141.5	143.6	135.3	133.2	124.9	102.0	58.3	45.8
92.5°	93.7	95.7	114.5	129.1	129.1	122.8	120.7	114.5	99.9	72.9	56.2
95°	83.3	85.3	93.7	99.9	97.8	91.6	95.7	89.5	83.3	68.7	52.0
97.5°	68.7	70.8	72.9	72.9	70.8	66.6	70.8	68.7	64.5	56.2	41.6
100°	52.0	52.0	52.0	54.1	52.0	50.0	52.0	47.9	45.8	39.5	29.1
102.5°	35.4	35.4	35.4	35.4	35.4	35.4	35.4	31.2	29.1	25.0	16.7
105°	20.8	20.8	18.7	20.8	20.8	18.7	18.7	16.7	12.5	10.4	6.2
107.5°	8.3	8.3	6.2	6.2	6.2	6.2	4.2	2.1	2.1	2.1	2.1
110°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0



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CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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	2.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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	2.1
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	2.1	2.1	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
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°	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1	591.1
2.5°	584.9	584.9	584.9	584.9	584.9	584.9	587.0	589.1	591.1	591.1
5°	574.5	574.5	574.5	572.4	574.5	576.6	578.6	578.6	580.7	580.7
7.5°	553.7	551.6	551.6	551.6	553.7	557.8	557.8	559.9	562.0	562.0
10°	526.6	526.6	526.6	526.6	528.7	532.9	532.9	537.0	537.0	537.0
12.5°	512.0	512.0	510.0	507.9	512.0	512.0	518.3	520.4	522.4	526.6
15°	503.7	501.6	503.7	503.7	505.8	507.9	510.0	514.1	516.2	518.3
17.5°	503.7	503.7	503.7	505.8	507.9	507.9	510.0	514.1	516.2	518.3
20°	512.0	512.0	510.0	510.0	512.0	512.0	516.2	520.4	522.4	524.5
22.5°	524.5	522.4	522.4	520.4	522.4	524.5	528.7	532.9	532.9	532.9
25°	541.2	539.1	539.1	539.1	543.3	543.3	547.4	551.6	551.6	551.6
27.5°	568.2	564.1	562.0	562.0	562.0	564.1	568.2	570.3	572.4	572.4
30°	591.1	587.0	584.9	582.8	584.9	587.0	591.1	595.3	595.3	595.3
32.5°	632.8	622.4	616.1	618.2	618.2	620.3	624.4	624.4	626.5	626.5
35°	680.6	670.2	659.8	661.9	661.9	664.0	664.0	664.0	668.1	664.0
37.5°	741.0	724.3	716.0	718.1	713.9	713.9	713.9	713.9	711.9	716.0
40°	805.5	780.5	772.2	774.3	772.2	770.1	770.1	772.2	770.1	772.2
42.5°	795.1	691.0	716.0	745.2	766.0	780.5	797.2	805.5	805.5	813.8
45°	695.2	410.0	439.2	478.7	512.0	547.4	564.1	576.6	584.9	601.5
47.5°	603.6	147.8	168.6	195.7	231.0	231.0	260.2	272.7	276.8	291.4
50°	587.0	22.9	18.7	20.8	22.9	25.0	27.1	33.3	33.3	41.6
52.5°	639.0	20.8	12.5	8.3	8.3	6.2	4.2	4.2	4.2	6.2
55°	697.3	22.9	12.5	8.3	6.2	6.2	2.1	2.1	2.1	2.1
57.5°	747.2	20.8	10.4	8.3	6.2	4.2	0.0	0.0	0.0	0.0
60°	801.4	22.9	12.5	8.3	6.2	4.2	0.0	0.0	0.0	0.0
62.5°	849.2	22.9	12.5	8.3	6.2	2.1	0.0	0.0	0.0	0.0
65°	917.9	25.0	12.5	8.3	4.2	0.0	0.0	0.0	0.0	0.0
67.5°	930.4	25.0	12.5	6.2	2.1	0.0	0.0	0.0	0.0	0.0
70°	830.5	20.8	8.3	4.2	2.1	0.0	0.0	0.0	0.0	0.0
72.5°	713.9	12.5	6.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	574.5	10.4	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	385.1	8.3	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	172.8	6.2	2.1	2.1	0.0	0.0	2.1	2.1	0.0	0.0
82.5°	37.5	4.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.0	4.2	2.1	2.1	0.0	0.0	2.1	2.1	0.0	0.0
87.5°	22.9	2.1	2.1	2.1	0.0	0.0	0.0	2.1	0.0	0.0
90°	22.9	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	27.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	25.0	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	18.7	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	12.5	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	6.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.1	2.1	2.1	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-7050-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.1	2.1	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°	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.1	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°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.1	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°	2.1	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°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.1	2.1	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	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.1	2.1	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)