

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: P691462

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
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-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND UO SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4162 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - G1

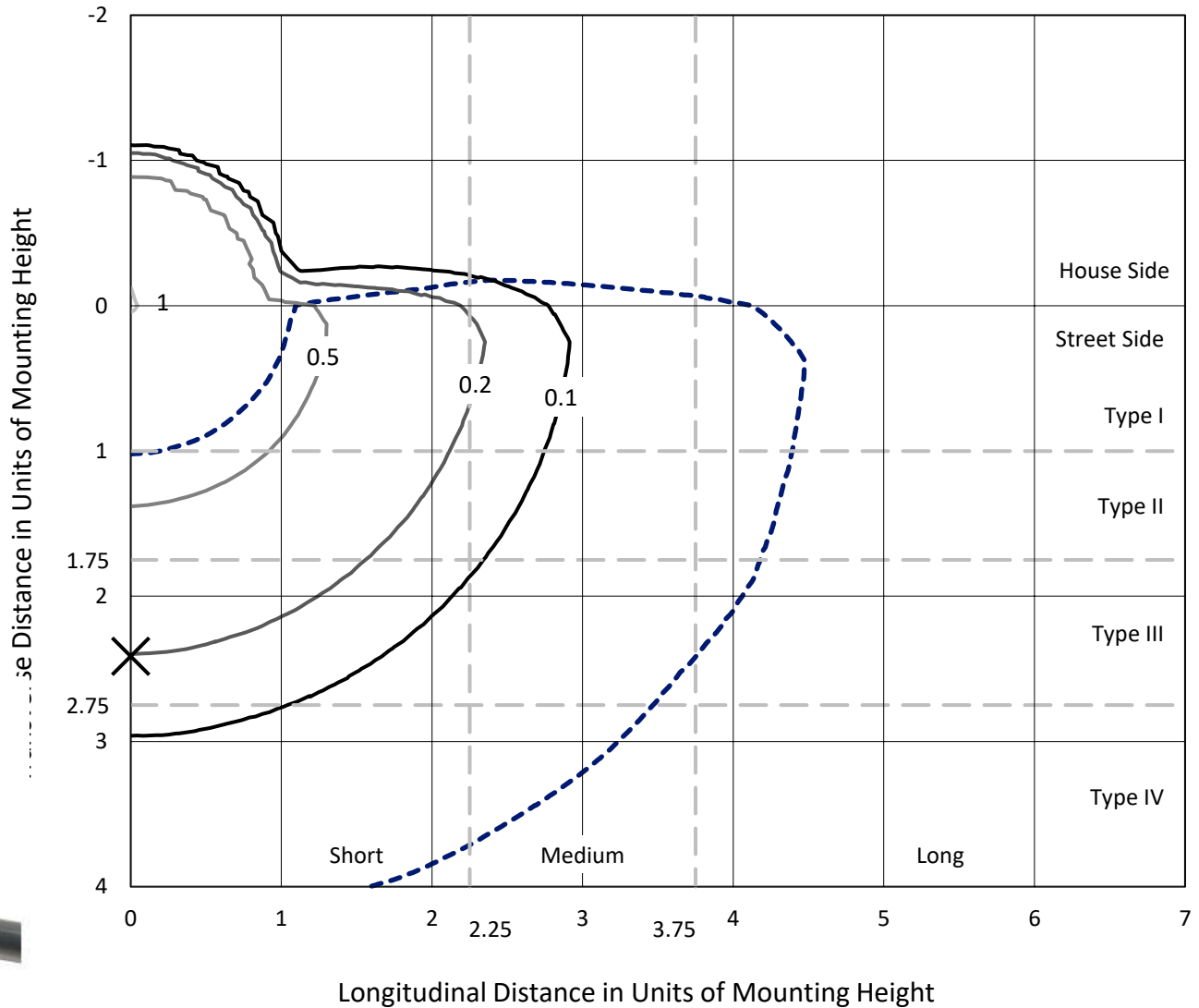
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691462
 CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

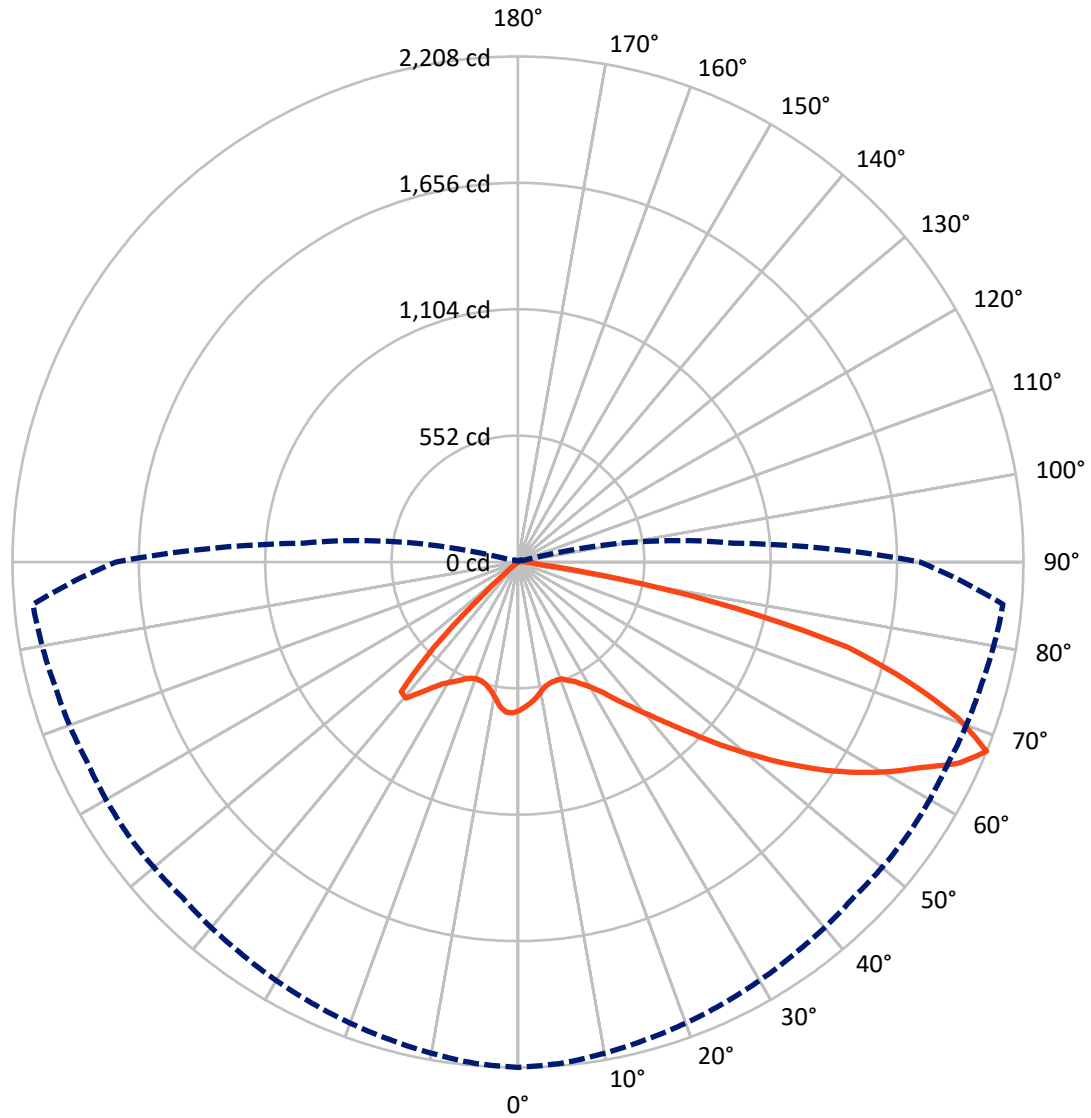
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P691462
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P691462

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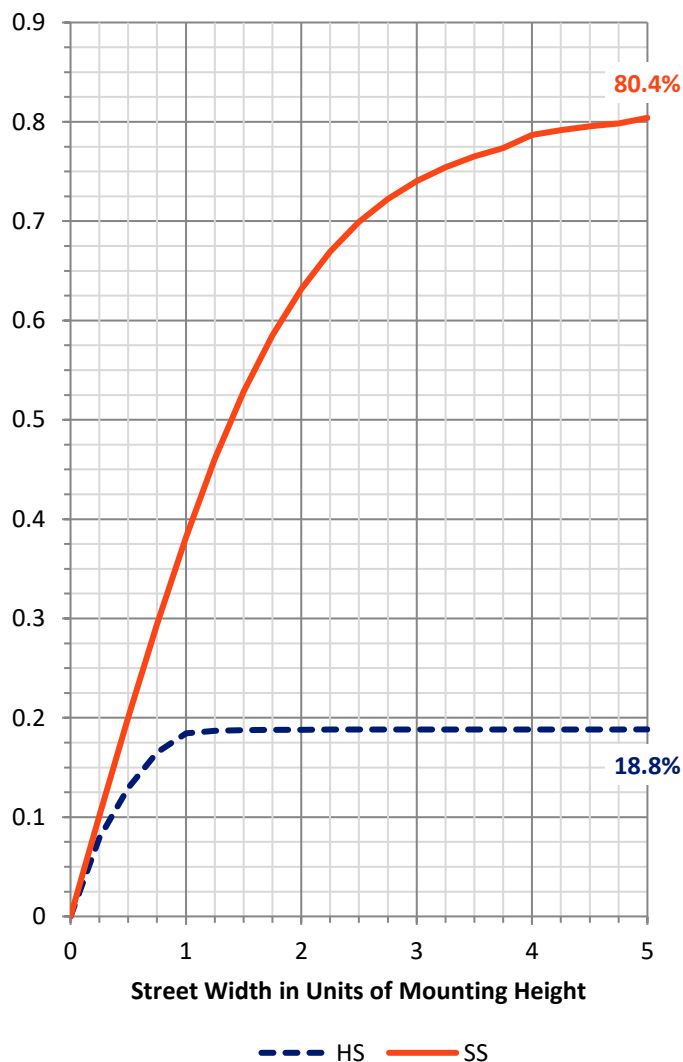
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	788.2	1.5	789.7
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	3362.9	9.5	3372.3
	% Fixture	80.8	0.2	81.0
Total	Lumens	4151.1	11.0	4162.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	1.4
10°-20°	152.8	3.7
20°-30°	262.0	6.3
30°-40°	443.0	10.6
40°-50°	591.1	14.2
50°-60°	750.6	18.0
60°-70°	1051.1	25.3
70°-80°	761.3	18.3
80°-90°	81.1	1.9
90°-100°	9.1	0.2
100°-110°	0.9	0.0
110°-120°	0.4	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°	0.1	0.0
0°-90°	4151.1	99.7
0°-180°	4162.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691462

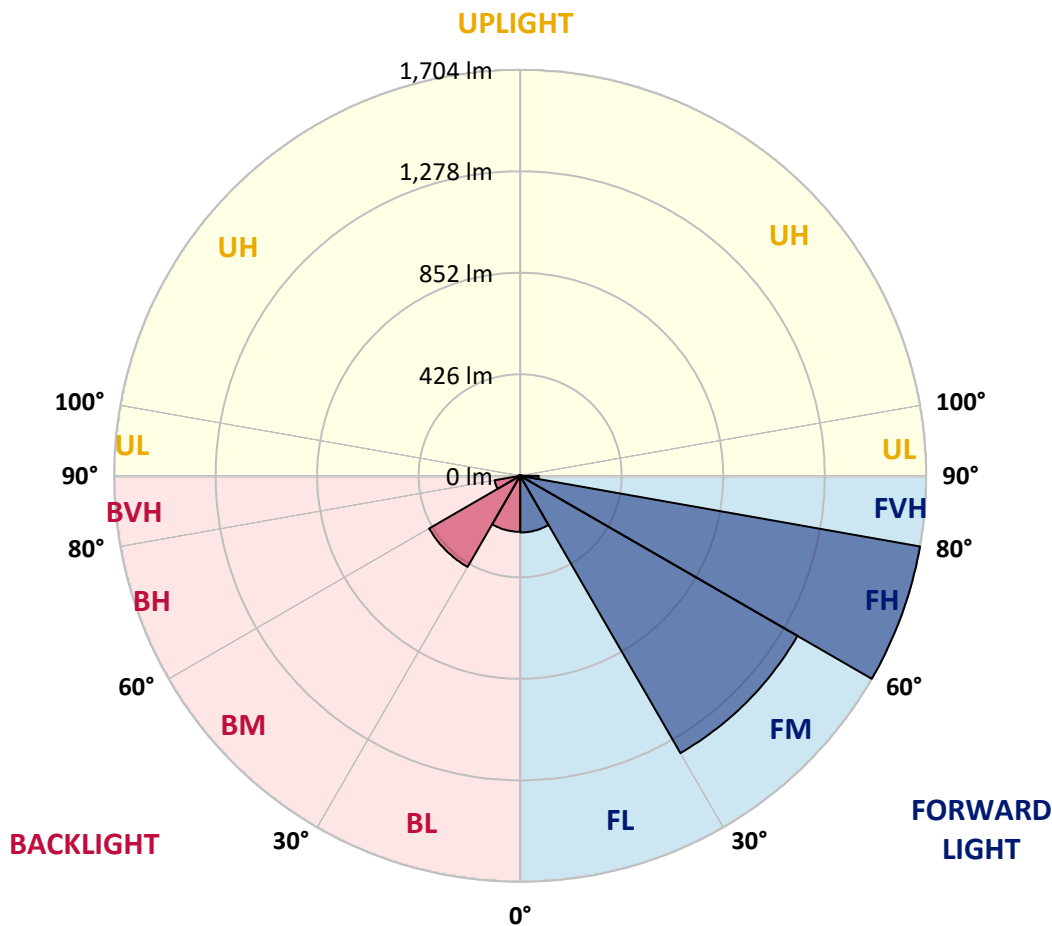
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.9	5.7			
FM (30°-60°)	1343.4	32.3			
FH (60°-80°)	1703.5	40.9			G1/1800
FVH (80°-90°)	78.1	1.9			G1/100
BL (0°-30°)	235.0	5.6	B1/500		
BM (30°-60°)	441.4	10.6	B1/1000		
BH (60°-80°)	108.8	2.6	B0/110		G0/110
BVH (80°-90°)	3.0	0.1			G0/10
UL (90°-100°)	9.1	0.2		U1/10	
UH (100°-180°)	1.9	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short





REPORT NUMBER: P691462

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	649.4	649.4	649.4	649.4	649.4	649.4	649.4	649.4	649.4	649.4	649.4
2.5°	632.8	634.8	634.8	634.8	636.9	634.8	634.8	634.8	634.8	636.9	636.9
5°	616.1	616.1	616.1	618.2	618.2	616.1	614.0	616.1	616.1	618.2	618.2
7.5°	595.3	595.3	595.3	597.4	595.3	591.1	587.0	589.1	587.0	589.1	591.1
10°	570.3	572.4	572.4	570.3	568.2	562.0	555.8	557.8	555.8	557.8	557.8
12.5°	553.7	555.8	555.8	553.7	547.4	543.3	539.1	534.9	532.9	537.0	534.9
15°	545.3	547.4	547.4	545.3	541.2	537.0	528.7	526.6	522.4	520.4	522.4
17.5°	543.3	543.3	543.3	541.2	537.0	530.8	526.6	522.4	520.4	520.4	518.3
20°	545.3	549.5	547.4	545.3	541.2	537.0	530.8	524.5	524.5	524.5	522.4
22.5°	562.0	562.0	559.9	559.9	555.8	549.5	543.3	539.1	534.9	534.9	534.9
25°	578.6	580.7	580.7	578.6	572.4	564.1	562.0	555.8	553.7	551.6	549.5
27.5°	605.7	603.6	605.7	605.7	597.4	593.2	587.0	582.8	580.7	576.6	574.5
30°	636.9	636.9	636.9	636.9	630.7	622.4	618.2	612.0	605.7	605.7	601.5
32.5°	678.6	680.6	680.6	678.6	672.3	664.0	659.8	651.5	649.4	645.3	641.1
35°	736.8	736.8	736.8	732.7	724.4	718.1	713.9	707.7	705.6	699.4	689.0
37.5°	801.4	801.4	805.5	801.4	793.0	784.7	778.5	774.3	768.1	763.9	757.7
40°	876.3	876.3	878.4	872.1	863.8	859.6	853.4	845.1	840.9	838.8	826.3
42.5°	963.7	967.9	967.9	961.6	955.4	949.2	940.8	934.6	930.4	922.1	905.4
45°	1069.9	1067.8	1072.0	1065.7	1061.6	1059.5	1047.0	1032.4	1034.5	1015.8	997.0
47.5°	1194.8	1196.8	1194.8	1188.5	1184.4	1182.3	1169.8	1151.1	1142.7	1128.2	1092.8
50°	1321.7	1323.8	1321.7	1317.6	1321.7	1309.2	1294.7	1278.0	1275.9	1257.2	1203.1
52.5°	1461.2	1454.9	1452.9	1450.8	1446.6	1440.4	1425.8	1407.1	1409.2	1388.3	1303.0
55°	1600.7	1594.4	1584.0	1579.8	1575.7	1565.3	1552.8	1546.5	1544.5	1523.6	1409.2
57.5°	1733.9	1723.5	1708.9	1706.8	1700.6	1686.0	1679.7	1669.3	1669.3	1646.4	1486.2
60°	1860.8	1848.3	1831.7	1823.4	1813.0	1800.5	1798.4	1792.1	1794.2	1781.7	1569.4
62.5°	1977.4	1967.0	1946.2	1933.7	1917.0	1906.6	1908.7	1904.5	1912.9	1904.5	1642.3
65°	2118.9	2106.4	2081.5	2054.4	2031.5	2014.9	2008.6	2021.1	2056.5	2064.8	1740.1
67.5°	2208.4	2198.0	2160.6	2127.3	2096.0	2073.1	2079.4	2075.2	2094.0	2127.3	1756.8
70°	2039.8	2035.7	1998.2	1977.4	1954.5	1931.6	1933.7	1927.4	1942.0	1950.3	1611.1
72.5°	1779.7	1800.5	1752.6	1750.5	1735.9	1738.0	1715.1	1731.8	1721.4	1721.4	1425.8
75°	1488.3	1444.5	1430.0	1465.4	1444.5	1446.6	1442.5	1461.2	1459.1	1461.2	1240.6
77.5°	976.2	984.5	965.8	1003.3	1022.0	1053.2	1067.8	1117.7	1099.0	1094.9	982.5
80°	437.1	447.5	449.6	485.0	507.9	539.1	528.7	564.1	541.2	503.7	480.8
82.5°	97.8	97.8	110.3	141.5	149.9	156.1	156.1	162.4	129.1	79.1	64.5
85°	66.6	64.5	87.4	118.6	124.9	120.7	116.6	108.2	74.9	22.9	18.7
87.5°	43.7	45.8	70.8	97.8	102.0	95.7	89.5	81.2	54.1	6.2	4.2
90°	29.1	33.3	54.1	74.9	74.9	70.8	64.5	54.1	33.3	2.1	2.1
92.5°	14.6	16.7	27.1	33.3	31.2	27.1	25.0	20.8	12.5	2.1	2.1
95°	8.3	8.3	12.5	12.5	12.5	10.4	10.4	8.3	4.2	2.1	2.1
97.5°	6.2	6.2	8.3	8.3	6.2	6.2	6.2	4.2	2.1	2.1	2.1
100°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	2.1	2.1	2.1	2.1
102.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
105°	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1
107.5°	0.0	0.0	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	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	2.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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	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	2.1
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	2.1
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	2.1	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	2.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1
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	2.1	0.0	2.1	2.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	2.1	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
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	2.1	2.1	0.0	2.1	2.1
175°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1
177.5°	0.0	0.0	0.0	0.0	0.0	2.1	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°	649.4	649.4	649.4	649.4	649.4	649.4	649.4	649.4	649.4	649.4
2.5°	639.0	641.1	643.2	647.3	647.3	653.6	655.7	657.7	659.8	659.8
5°	622.4	624.4	630.7	634.8	641.1	645.3	651.5	653.6	655.7	657.7
7.5°	591.1	595.3	601.5	603.6	612.0	618.2	624.4	630.7	632.8	636.9
10°	559.9	562.0	564.1	570.3	574.5	582.8	591.1	595.3	599.5	599.5
12.5°	537.0	539.1	541.2	543.3	549.5	553.7	562.0	566.2	568.2	572.4
15°	522.4	522.4	526.6	526.6	530.8	537.0	541.2	547.4	549.5	553.7
17.5°	518.3	518.3	520.4	522.4	526.6	528.7	532.9	539.1	541.2	543.3
20°	520.4	522.4	522.4	524.5	528.7	530.8	534.9	537.0	539.1	541.2
22.5°	530.8	528.7	530.8	530.8	532.9	537.0	541.2	545.3	547.4	547.4
25°	545.3	543.3	543.3	547.4	549.5	551.6	557.8	559.9	562.0	562.0
27.5°	570.3	568.2	570.3	570.3	572.4	572.4	578.6	578.6	580.7	582.8
30°	595.3	589.1	589.1	589.1	591.1	595.3	597.4	601.5	603.6	603.6
32.5°	632.8	620.3	618.2	620.3	620.3	622.4	628.6	626.5	630.7	628.6
35°	680.6	668.2	664.0	664.0	664.0	664.0	670.2	666.1	670.2	668.2
37.5°	738.9	722.3	720.2	720.2	716.0	718.1	720.2	716.0	713.9	716.0
40°	801.4	772.2	770.1	772.2	772.2	772.2	772.2	770.1	768.1	770.1
42.5°	772.2	655.7	670.2	691.0	711.9	736.8	743.1	759.7	761.8	761.8
45°	674.4	378.8	399.6	430.9	443.4	451.7	474.6	510.0	520.4	522.4
47.5°	595.3	127.0	135.3	147.8	168.6	179.0	181.1	206.1	216.5	195.7
50°	589.1	29.1	20.8	20.8	22.9	18.7	18.7	20.8	20.8	20.8
52.5°	643.2	27.1	18.7	16.7	16.7	16.7	14.6	16.7	16.7	16.7
55°	699.4	27.1	18.7	16.7	16.7	16.7	14.6	14.6	14.6	14.6
57.5°	745.2	27.1	18.7	16.7	16.7	14.6	12.5	12.5	12.5	12.5
60°	799.3	27.1	18.7	16.7	16.7	12.5	10.4	10.4	10.4	10.4
62.5°	845.1	29.1	18.7	16.7	14.6	10.4	10.4	10.4	10.4	10.4
65°	911.7	29.1	18.7	14.6	10.4	8.3	8.3	8.3	8.3	8.3
67.5°	942.9	29.1	16.7	12.5	8.3	6.2	6.2	6.2	6.2	6.2
70°	849.2	22.9	12.5	8.3	6.2	6.2	6.2	6.2	6.2	6.2
72.5°	726.4	16.7	8.3	6.2	4.2	4.2	4.2	4.2	4.2	2.1
75°	578.6	10.4	4.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0
77.5°	405.9	8.3	4.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0
80°	168.6	6.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	25.0	4.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.3	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.1	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-U0-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	2.1	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°	2.1	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°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.1	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.1	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	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.1	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°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.1	2.1	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)