

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: P691550

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691550
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-D-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: 4052 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

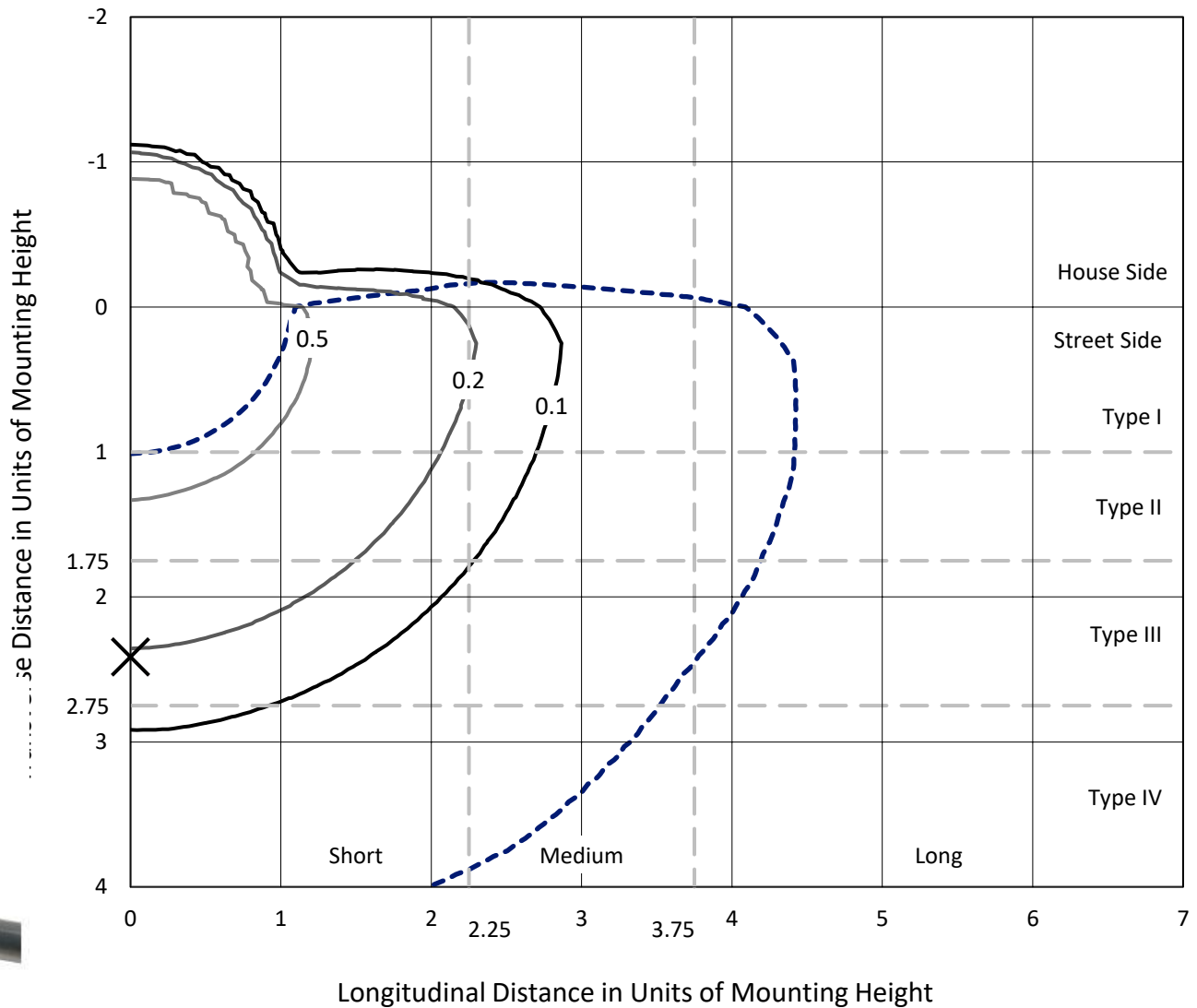
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

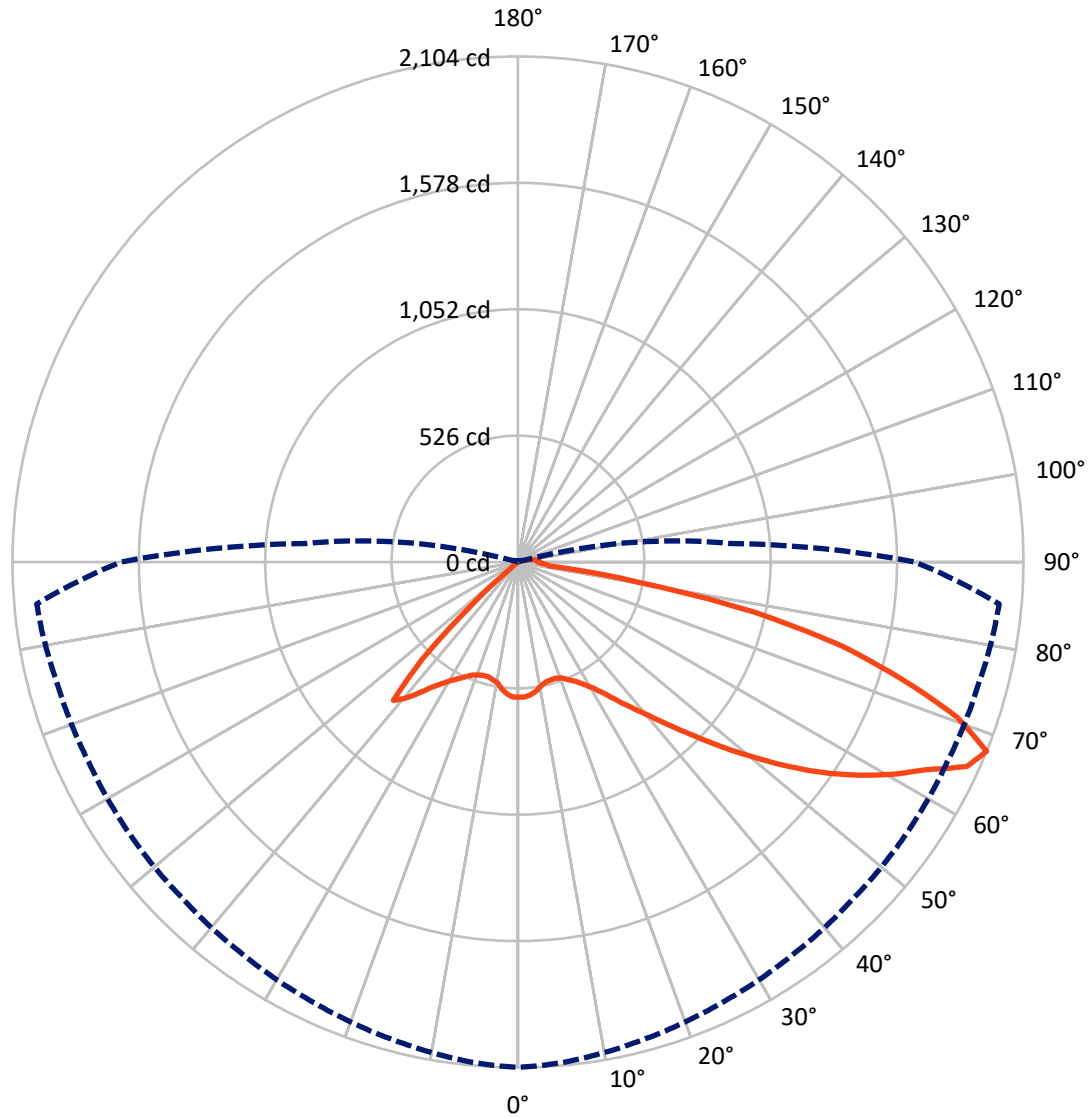
× Max cd
 - - - 1/2 Max cd



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



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

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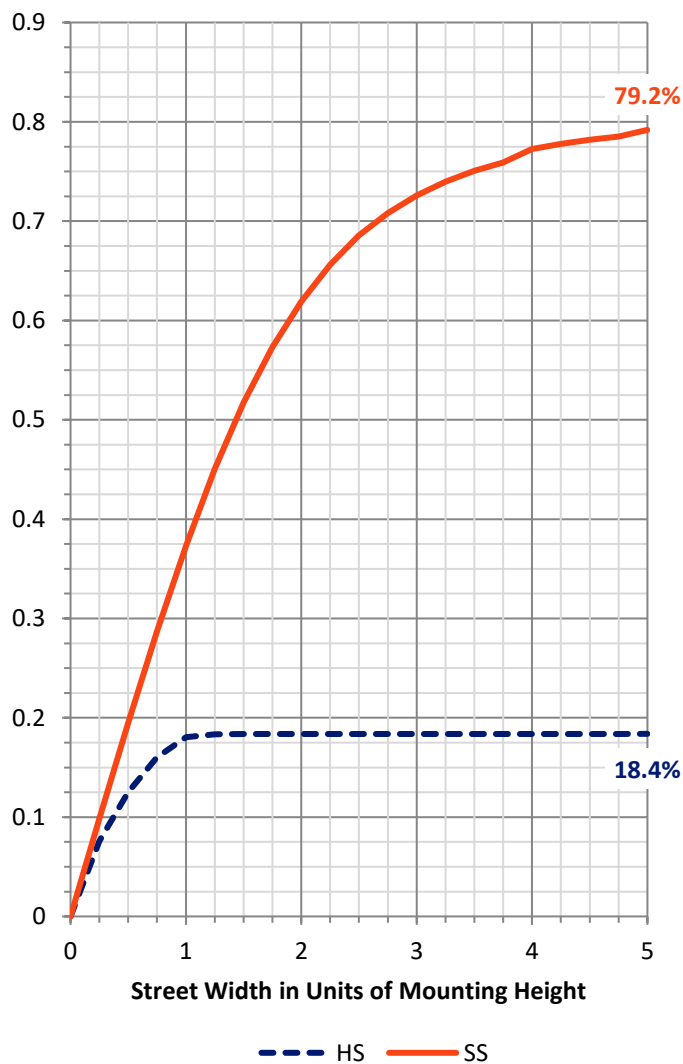
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	749.4	3.0	752.5
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	3243.3	56.3	3299.6
	% Fixture	80.0	1.4	81.4
Total	Lumens	3992.7	59.3	4052.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	1.3
10°-20°	140.0	3.5
20°-30°	246.6	6.1
30°-40°	421.5	10.4
40°-50°	579.2	14.3
50°-60°	715.8	17.7
60°-70°	1000.4	24.7
70°-80°	730.8	18.0
80°-90°	107.3	2.6
90°-100°	47.3	1.2
100°-110°	10.8	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°	3992.7	98.5
0°-180°	4052.0	100.0

Coefficient of Utilization



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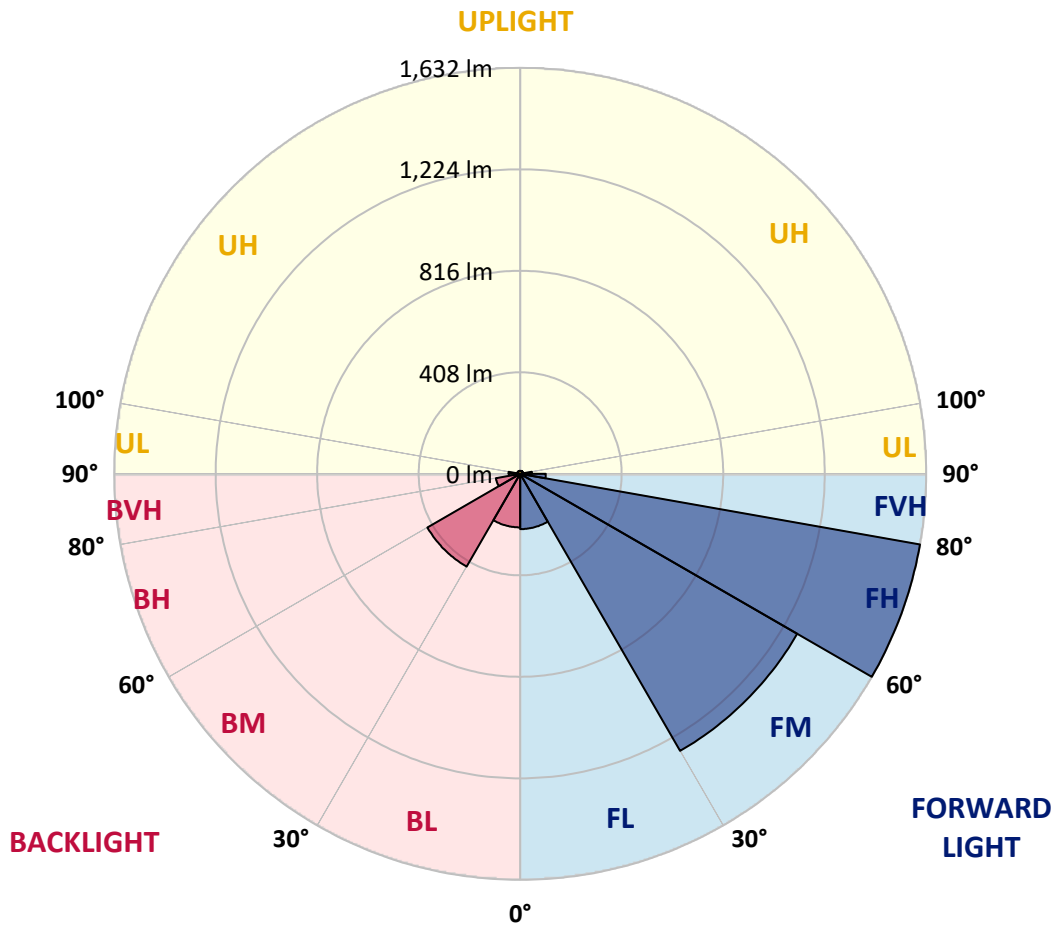
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7050-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.2	5.5			
FM (30°-60°)	1285.9	31.7			
FH (60°-80°)	1632.0	40.3			G1/1800
FVH (80°-90°)	103.1	2.5			G2/225
BL (0°-30°)	215.5	5.3	B1/500		
BM (30°-60°)	430.6	10.6	B1/1000		
BH (60°-80°)	99.2	2.4	B0/110		G0/110
BVH (80°-90°)	4.2	0.1			G0/10
UL (90°-100°)	47.3	1.2		U2/50	
UH (100°-180°)	12.0	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°	562.5	562.5	562.5	562.5	562.5	562.5	562.5	562.5	562.5	562.5	562.5
2.5°	562.5	562.5	562.5	562.5	564.5	562.5	560.6	556.6	556.6	556.6	556.6
5°	554.6	554.6	556.6	556.6	554.6	552.6	548.7	548.7	546.7	546.7	546.7
7.5°	542.7	542.7	542.7	544.7	540.7	534.8	532.8	530.8	528.9	526.9	524.9
10°	524.9	524.9	524.9	522.9	519.0	513.0	509.1	505.1	505.1	503.1	501.1
12.5°	513.0	513.0	513.0	511.0	505.1	501.1	495.2	491.2	489.2	489.2	487.3
15°	509.1	509.1	509.1	507.1	501.1	497.2	491.2	487.3	483.3	481.3	479.3
17.5°	509.1	509.1	509.1	505.1	503.1	497.2	491.2	487.3	485.3	483.3	481.3
20°	515.0	517.0	515.0	513.0	507.1	503.1	497.2	491.2	489.2	489.2	487.3
22.5°	530.8	528.9	528.9	526.9	520.9	515.0	511.0	507.1	503.1	503.1	501.1
25°	548.7	550.6	550.6	546.7	542.7	536.8	530.8	524.9	522.9	520.9	519.0
27.5°	574.4	574.4	576.4	572.4	566.5	562.5	556.6	552.6	548.7	544.7	542.7
30°	606.1	608.1	608.1	604.1	598.2	590.3	586.3	580.4	574.4	574.4	568.5
32.5°	647.7	651.7	649.7	645.7	639.8	631.9	627.9	622.0	618.0	612.1	608.1
35°	705.1	707.1	705.1	701.2	691.3	683.4	679.4	675.4	671.5	663.6	655.6
37.5°	768.5	770.5	772.5	768.5	756.6	744.8	740.8	734.9	732.9	723.0	719.0
40°	841.8	845.8	843.8	837.9	828.0	816.1	814.1	808.1	802.2	796.3	786.4
42.5°	931.0	931.0	929.0	925.0	917.1	903.2	899.3	893.3	889.4	877.5	861.6
45°	1034.0	1035.9	1030.0	1024.1	1022.1	1010.2	1000.3	994.3	982.5	968.6	950.8
47.5°	1154.8	1152.8	1144.9	1138.9	1137.0	1127.0	1119.1	1107.2	1091.4	1075.5	1041.9
50°	1279.6	1279.6	1265.7	1259.8	1263.7	1249.9	1240.0	1226.1	1210.2	1194.4	1144.9
52.5°	1414.3	1408.3	1394.5	1396.4	1390.5	1376.6	1364.7	1354.8	1339.0	1325.1	1245.9
55°	1549.0	1541.0	1519.2	1521.2	1511.3	1495.5	1487.5	1475.7	1471.7	1455.9	1343.0
57.5°	1673.7	1663.8	1640.1	1638.1	1630.2	1612.3	1608.4	1594.5	1584.6	1576.7	1416.2
60°	1794.6	1784.7	1762.9	1754.9	1739.1	1721.3	1723.3	1715.3	1709.4	1701.5	1497.5
62.5°	1903.5	1891.6	1871.8	1856.0	1834.2	1818.3	1820.3	1816.4	1820.3	1818.3	1566.8
65°	2052.1	2040.2	2010.5	1982.7	1951.0	1927.3	1925.3	1931.2	1972.8	1976.8	1673.7
67.5°	2103.6	2091.7	2054.0	2020.4	1994.6	1976.8	1972.8	1970.9	1982.7	2010.5	1651.9
70°	1941.1	1933.2	1897.6	1873.8	1848.0	1836.2	1824.3	1830.2	1842.1	1840.1	1515.3
72.5°	1675.7	1719.3	1673.7	1651.9	1646.0	1614.3	1622.2	1616.3	1624.2	1622.2	1346.9
75°	1386.5	1374.6	1364.7	1402.4	1374.6	1350.9	1364.7	1378.6	1392.5	1376.6	1180.5
77.5°	1008.2	1016.1	1012.2	1026.0	1051.8	1039.9	1032.0	1065.6	1071.6	1018.1	917.1
80°	507.1	538.8	548.7	572.4	586.3	560.6	538.8	586.3	578.4	517.0	465.5
82.5°	132.7	134.7	154.5	182.2	186.2	182.2	186.2	182.2	158.5	101.0	85.2
85°	110.9	110.9	136.7	166.4	172.3	164.4	164.4	154.5	122.8	63.4	51.5
87.5°	91.1	95.1	122.8	150.5	154.5	146.6	144.6	132.7	107.0	55.5	43.6
90°	81.2	85.2	110.9	134.7	136.7	128.7	126.8	118.8	97.1	55.5	43.6
92.5°	89.1	91.1	108.9	122.8	122.8	116.9	114.9	108.9	95.1	69.3	53.5
95°	79.2	81.2	89.1	95.1	93.1	87.2	91.1	85.2	79.2	65.4	49.5
97.5°	65.4	67.3	69.3	69.3	67.3	63.4	67.3	65.4	61.4	53.5	39.6
100°	49.5	49.5	49.5	51.5	49.5	47.5	49.5	45.6	43.6	37.6	27.7
102.5°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	29.7	27.7	23.8	15.8
105°	19.8	19.8	17.8	19.8	19.8	17.8	17.8	15.8	11.9	9.9	5.9
107.5°	7.9	7.9	5.9	5.9	5.9	5.9	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°	562.5	562.5	562.5	562.5	562.5	562.5	562.5	562.5	562.5	562.5
2.5°	556.6	556.6	556.6	556.6	556.6	556.6	558.6	560.6	562.5	562.5
5°	546.7	546.7	546.7	544.7	546.7	548.7	550.6	550.6	552.6	552.6
7.5°	526.9	524.9	524.9	524.9	526.9	530.8	530.8	532.8	534.8	534.8
10°	501.1	501.1	501.1	501.1	503.1	507.1	507.1	511.0	511.0	511.0
12.5°	487.3	487.3	485.3	483.3	487.3	487.3	493.2	495.2	497.2	501.1
15°	479.3	477.4	479.3	479.3	481.3	483.3	485.3	489.2	491.2	493.2
17.5°	479.3	479.3	479.3	481.3	483.3	483.3	485.3	489.2	491.2	493.2
20°	487.3	487.3	485.3	485.3	487.3	487.3	491.2	495.2	497.2	499.2
22.5°	499.2	497.2	497.2	495.2	497.2	499.2	503.1	507.1	507.1	507.1
25°	515.0	513.0	513.0	513.0	517.0	517.0	520.9	524.9	524.9	524.9
27.5°	540.7	536.8	534.8	534.8	534.8	536.8	540.7	542.7	544.7	544.7
30°	562.5	558.6	556.6	554.6	556.6	558.6	562.5	566.5	566.5	566.5
32.5°	602.1	592.2	586.3	588.3	588.3	590.3	594.2	594.2	596.2	596.2
35°	647.7	637.8	627.9	629.9	629.9	631.9	631.9	631.9	635.8	631.9
37.5°	705.1	689.3	681.4	683.4	679.4	679.4	679.4	679.4	677.4	681.4
40°	766.6	742.8	734.9	736.8	734.9	732.9	732.9	734.9	732.9	734.9
42.5°	756.6	657.6	681.4	709.1	728.9	742.8	758.6	766.6	766.6	774.5
45°	661.6	390.2	417.9	455.6	487.3	520.9	536.8	548.7	556.6	572.4
47.5°	574.4	140.6	160.4	186.2	219.9	219.9	247.6	259.5	263.4	277.3
50°	558.6	21.8	17.8	19.8	21.8	23.8	25.7	31.7	31.7	39.6
52.5°	608.1	19.8	11.9	7.9	7.9	5.9	4.0	4.0	4.0	5.9
55°	663.6	21.8	11.9	7.9	5.9	5.9	2.0	2.0	2.0	2.0
57.5°	711.1	19.8	9.9	7.9	5.9	4.0	0.0	0.0	0.0	0.0
60°	762.6	21.8	11.9	7.9	5.9	4.0	0.0	0.0	0.0	0.0
62.5°	808.1	21.8	11.9	7.9	5.9	2.0	0.0	0.0	0.0	0.0
65°	873.5	23.8	11.9	7.9	4.0	0.0	0.0	0.0	0.0	0.0
67.5°	885.4	23.8	11.9	5.9	2.0	0.0	0.0	0.0	0.0	0.0
70°	790.3	19.8	7.9	4.0	2.0	0.0	0.0	0.0	0.0	0.0
72.5°	679.4	11.9	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	546.7	9.9	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	366.4	7.9	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	164.4	5.9	2.0	2.0	0.0	0.0	2.0	2.0	0.0	0.0
82.5°	35.7	4.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.8	4.0	2.0	2.0	0.0	0.0	2.0	2.0	0.0	0.0
87.5°	21.8	2.0	2.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0
90°	21.8	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	25.7	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	23.8	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	17.8	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	11.9	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	5.9	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-D-U-T5R-7050-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)