

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: P691543

Luminaire Tested: **CRTK2-C016-D-U-T5R-7040-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691543
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-7040-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4006 lumens
Efficiency: N/A
Efficacy: 96.3 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

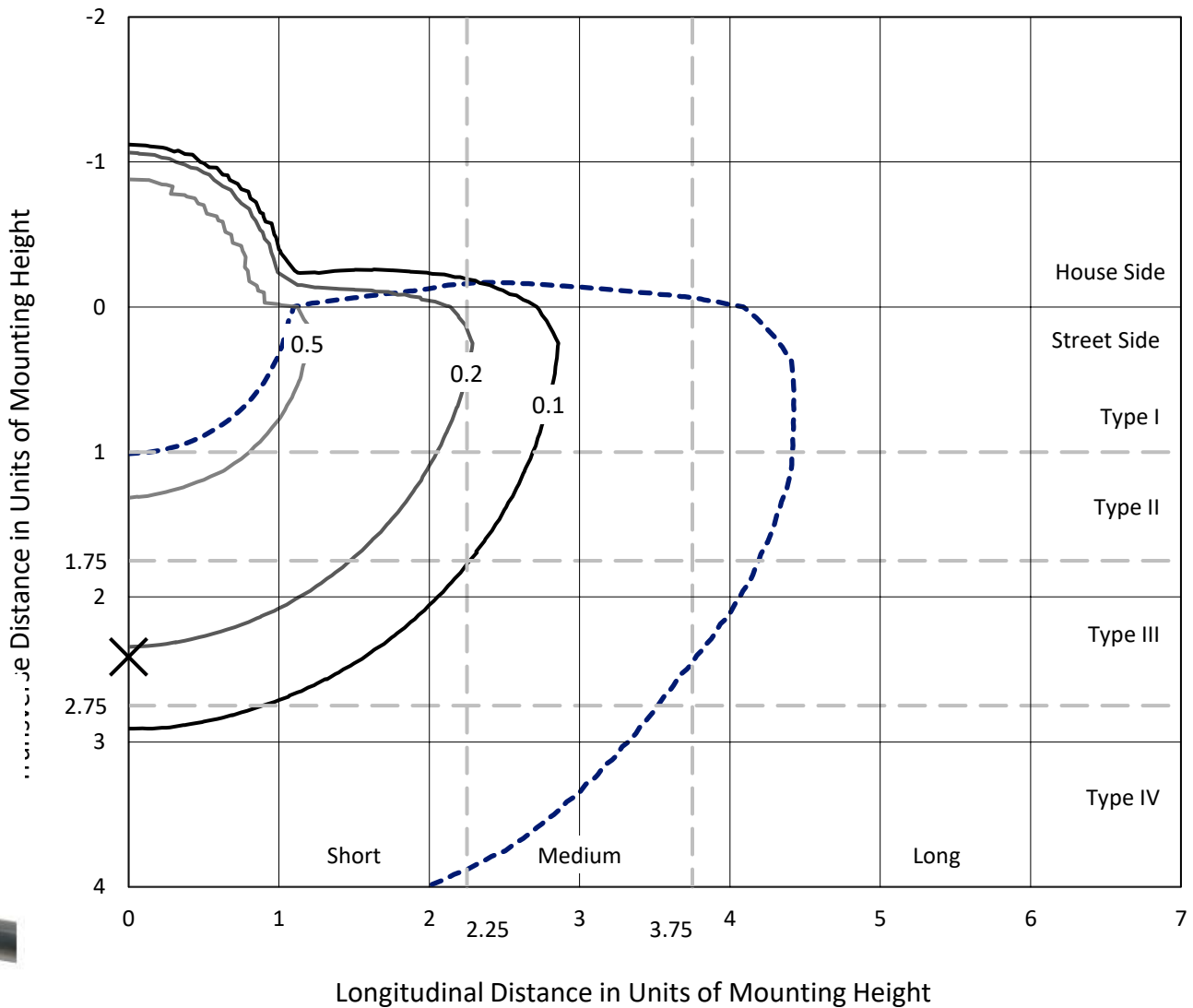


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

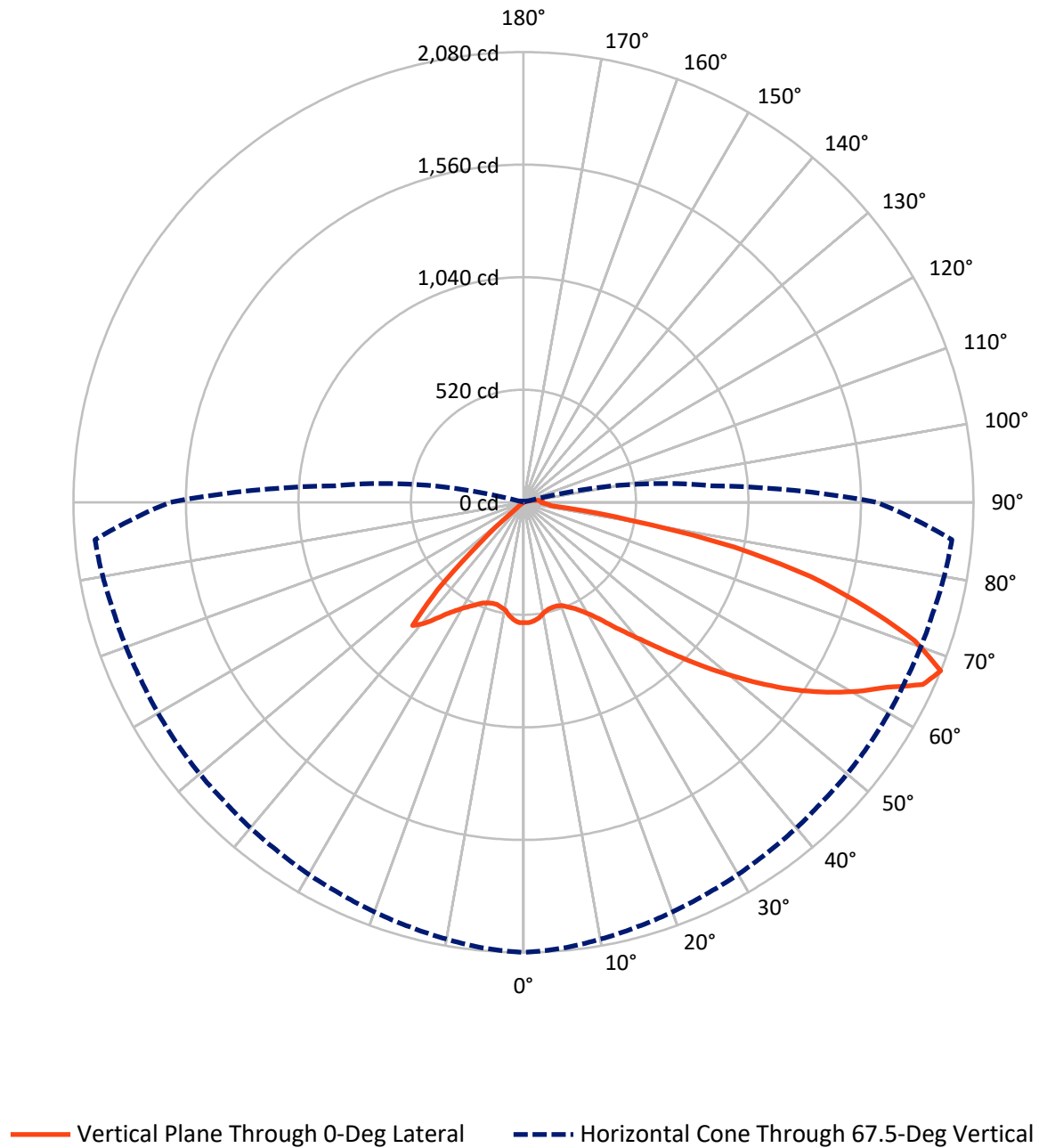


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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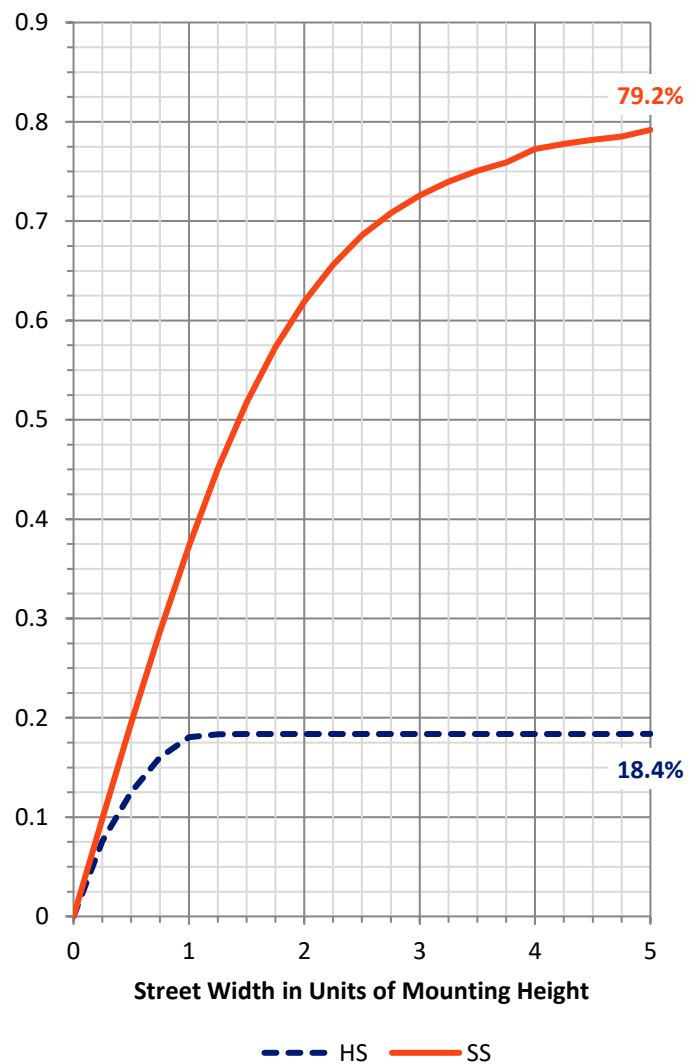
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	740.9	3.0	743.9
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	3206.4	55.7	3262.1
	% Fixture	80.0	1.4	81.4
Total	Lumens	3947.4	58.7	4006.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	1.3
10°-20°	138.4	3.5
20°-30°	243.8	6.1
30°-40°	416.7	10.4
40°-50°	572.6	14.3
50°-60°	707.7	17.7
60°-70°	989.1	24.7
70°-80°	722.5	18.0
80°-90°	106.1	2.6
90°-100°	46.8	1.2
100°-110°	10.7	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°	3947.4	98.5
0°-180°	4006.0	100.0

Coefficient of Utilization



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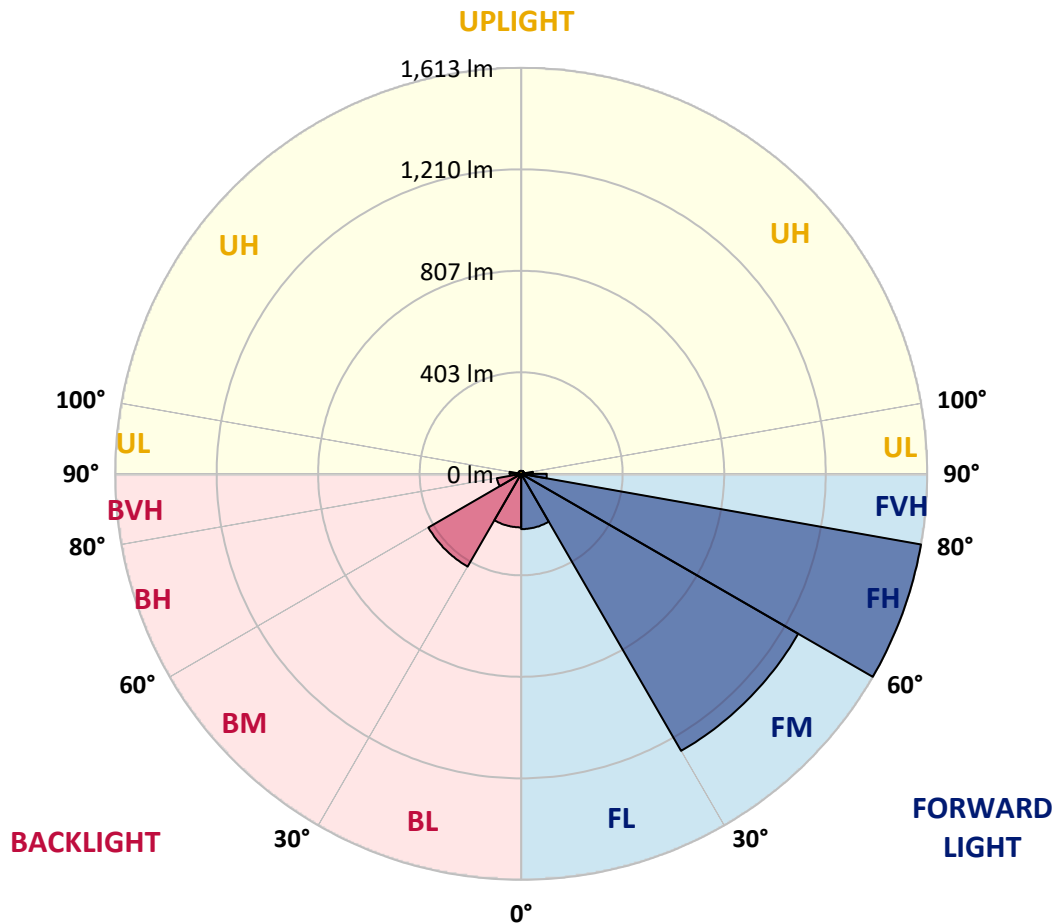
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7040-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.7	5.5			
FM	(30°-60°)	1271.3	31.7			
FH	(60°-80°)	1613.5	40.3			G1/1800
FVH	(80°-90°)	102.0	2.5			G2/225
BL	(0°-30°)	213.0	5.3	B1/500		
BM	(30°-60°)	425.7	10.6	B1/1000		
BH	(60°-80°)	98.0	2.4	B0/110		G0/110
BVH	(80°-90°)	4.1	0.1			G0/10
UL	(90°-100°)	46.8	1.2		U2/50	
UH	(100°-180°)	11.9	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°	556.1	556.1	556.1	556.1	556.1	556.1	556.1	556.1	556.1	556.1	556.1
2.5°	556.1	556.1	556.1	556.1	558.1	556.1	554.2	550.3	550.3	550.3	550.3
5°	548.3	548.3	550.3	550.3	548.3	546.4	542.4	542.4	540.5	540.5	540.5
7.5°	536.6	536.6	536.6	538.5	534.6	528.7	526.8	524.8	522.9	520.9	518.9
10°	518.9	518.9	518.9	517.0	513.1	507.2	503.3	499.4	499.4	497.4	495.4
12.5°	507.2	507.2	507.2	505.2	499.4	495.4	489.6	485.7	483.7	483.7	481.7
15°	503.3	503.3	503.3	501.3	495.4	491.5	485.7	481.7	477.8	475.9	473.9
17.5°	503.3	503.3	503.3	499.4	497.4	491.5	485.7	481.7	479.8	477.8	475.9
20°	509.1	511.1	509.1	507.2	501.3	497.4	491.5	485.7	483.7	483.7	481.7
22.5°	524.8	522.9	522.9	520.9	515.0	509.1	505.2	501.3	497.4	497.4	495.4
25°	542.4	544.4	544.4	540.5	536.6	530.7	524.8	518.9	517.0	515.0	513.1
27.5°	567.9	567.9	569.9	565.9	560.1	556.1	550.3	546.4	542.4	538.5	536.6
30°	599.2	601.2	601.2	597.3	591.4	583.6	579.6	573.8	567.9	567.9	562.0
32.5°	640.4	644.3	642.3	638.4	632.5	624.7	620.8	614.9	611.0	605.1	601.2
35°	697.1	699.1	697.1	693.2	683.4	675.6	671.7	667.8	663.9	656.0	648.2
37.5°	759.8	761.8	763.7	759.8	748.1	736.3	732.4	726.5	724.6	714.8	710.9
40°	832.3	836.2	834.2	828.3	818.6	806.8	804.8	799.0	793.1	787.2	777.4
42.5°	920.4	920.4	918.4	914.5	906.7	893.0	889.1	883.2	879.3	867.5	851.8
45°	1022.2	1024.2	1018.3	1012.4	1010.5	998.7	988.9	983.1	971.3	957.6	940.0
47.5°	1141.7	1139.7	1131.9	1126.0	1124.0	1114.3	1106.4	1094.7	1079.0	1063.3	1030.0
50°	1265.0	1265.0	1251.3	1245.5	1249.4	1235.7	1225.9	1212.2	1196.5	1180.8	1131.9
52.5°	1398.2	1392.3	1378.6	1380.6	1374.7	1361.0	1349.2	1339.5	1323.8	1310.1	1231.8
55°	1531.4	1523.5	1502.0	1504.0	1494.2	1478.5	1470.7	1458.9	1455.0	1439.3	1327.7
57.5°	1654.7	1644.9	1621.4	1619.5	1611.7	1594.0	1590.1	1576.4	1566.6	1558.8	1400.2
60°	1774.2	1764.4	1742.9	1735.0	1719.4	1701.7	1703.7	1695.9	1690.0	1682.2	1480.5
62.5°	1881.9	1870.1	1850.6	1834.9	1813.4	1797.7	1799.6	1795.7	1799.6	1797.7	1549.0
65°	2028.8	2017.0	1987.6	1960.2	1928.9	1905.4	1903.4	1909.3	1950.4	1954.4	1654.7
67.5°	2079.7	2067.9	2030.7	1997.4	1972.0	1954.4	1950.4	1948.5	1960.2	1987.6	1633.2
70°	1919.1	1911.3	1876.0	1852.5	1827.1	1815.3	1803.6	1809.4	1821.2	1819.2	1498.1
72.5°	1656.7	1699.8	1654.7	1633.2	1627.3	1596.0	1603.8	1597.9	1605.8	1603.8	1331.6
75°	1370.8	1359.0	1349.2	1386.5	1359.0	1335.5	1349.2	1363.0	1376.7	1361.0	1167.1
77.5°	996.8	1004.6	1000.7	1014.4	1039.8	1028.1	1020.3	1053.5	1059.4	1006.6	906.7
80°	501.3	532.6	542.4	565.9	579.6	554.2	532.6	579.6	571.8	511.1	460.2
82.5°	131.2	133.2	152.7	180.2	184.1	180.2	184.1	180.2	156.7	99.9	84.2
85°	109.7	109.7	135.1	164.5	170.4	162.5	162.5	152.7	121.4	62.7	50.9
87.5°	90.1	94.0	121.4	148.8	152.7	144.9	143.0	131.2	105.7	54.8	43.1
90°	80.3	84.2	109.7	133.2	135.1	127.3	125.3	117.5	96.0	54.8	43.1
92.5°	88.1	90.1	107.7	121.4	121.4	115.5	113.6	107.7	94.0	68.5	52.9
95°	78.3	80.3	88.1	94.0	92.0	86.2	90.1	84.2	78.3	64.6	49.0
97.5°	64.6	66.6	68.5	68.5	66.6	62.7	66.6	64.6	60.7	52.9	39.2
100°	49.0	49.0	49.0	50.9	49.0	47.0	49.0	45.0	43.1	37.2	27.4
102.5°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	29.4	27.4	23.5	15.7
105°	19.6	19.6	17.6	19.6	19.6	17.6	17.6	15.7	11.7	9.8	5.9
107.5°	7.8	7.8	5.9	5.9	5.9	5.9	3.9	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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CATALOG NUMBER: CRTK2-C016-D-U-T5R-7040-DS-HSS-CRTK2

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°	556.1	556.1	556.1	556.1	556.1	556.1	556.1	556.1	556.1	556.1
2.5°	550.3	550.3	550.3	550.3	550.3	550.3	552.2	554.2	556.1	556.1
5°	540.5	540.5	540.5	538.5	540.5	542.4	544.4	544.4	546.4	546.4
7.5°	520.9	518.9	518.9	518.9	520.9	524.8	524.8	526.8	528.7	528.7
10°	495.4	495.4	495.4	495.4	497.4	501.3	501.3	505.2	505.2	505.2
12.5°	481.7	481.7	479.8	477.8	481.7	481.7	487.6	489.6	491.5	495.4
15°	473.9	471.9	473.9	473.9	475.9	477.8	479.8	483.7	485.7	487.6
17.5°	473.9	473.9	473.9	475.9	477.8	477.8	479.8	483.7	485.7	487.6
20°	481.7	481.7	479.8	479.8	481.7	481.7	485.7	489.6	491.5	493.5
22.5°	493.5	491.5	491.5	489.6	491.5	493.5	497.4	501.3	501.3	501.3
25°	509.1	507.2	507.2	507.2	511.1	511.1	515.0	518.9	518.9	518.9
27.5°	534.6	530.7	528.7	528.7	528.7	530.7	534.6	536.6	538.5	538.5
30°	556.1	552.2	550.3	548.3	550.3	552.2	556.1	560.1	560.1	560.1
32.5°	595.3	585.5	579.6	581.6	581.6	583.6	587.5	587.5	589.4	589.4
35°	640.4	630.6	620.8	622.7	622.7	624.7	624.7	624.7	628.6	624.7
37.5°	697.1	681.5	673.6	675.6	671.7	671.7	671.7	671.7	669.7	673.6
40°	757.8	734.4	726.5	728.5	726.5	724.6	724.6	726.5	724.6	726.5
42.5°	748.1	650.1	673.6	701.1	720.6	734.4	750.0	757.8	757.8	765.7
45°	654.1	385.8	413.2	450.4	481.7	515.0	530.7	542.4	550.3	565.9
47.5°	567.9	139.0	158.6	184.1	217.4	217.4	244.8	256.5	260.4	274.2
50°	552.2	21.5	17.6	19.6	21.5	23.5	25.5	31.3	31.3	39.2
52.5°	601.2	19.6	11.7	7.8	7.8	5.9	3.9	3.9	3.9	5.9
55°	656.0	21.5	11.7	7.8	5.9	5.9	2.0	2.0	2.0	2.0
57.5°	703.0	19.6	9.8	7.8	5.9	3.9	0.0	0.0	0.0	0.0
60°	753.9	21.5	11.7	7.8	5.9	3.9	0.0	0.0	0.0	0.0
62.5°	799.0	21.5	11.7	7.8	5.9	2.0	0.0	0.0	0.0	0.0
65°	863.6	23.5	11.7	7.8	3.9	0.0	0.0	0.0	0.0	0.0
67.5°	875.3	23.5	11.7	5.9	2.0	0.0	0.0	0.0	0.0	0.0
70°	781.3	19.6	7.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0
72.5°	671.7	11.7	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	540.5	9.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	362.3	7.8	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	162.5	5.9	2.0	2.0	0.0	0.0	2.0	2.0	0.0	0.0
82.5°	35.2	3.9	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.5	3.9	2.0	2.0	0.0	0.0	2.0	2.0	0.0	0.0
87.5°	21.5	2.0	2.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0
90°	21.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	25.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	23.5	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	17.6	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	11.7	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-7040-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)