

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: P691731

Luminaire Tested: **CRTK2-C018-D-U-T5R-7040-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691731
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-C018-D-U-T5R-7040-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4568 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U1 - G2

Input Watts (W): 50.4
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



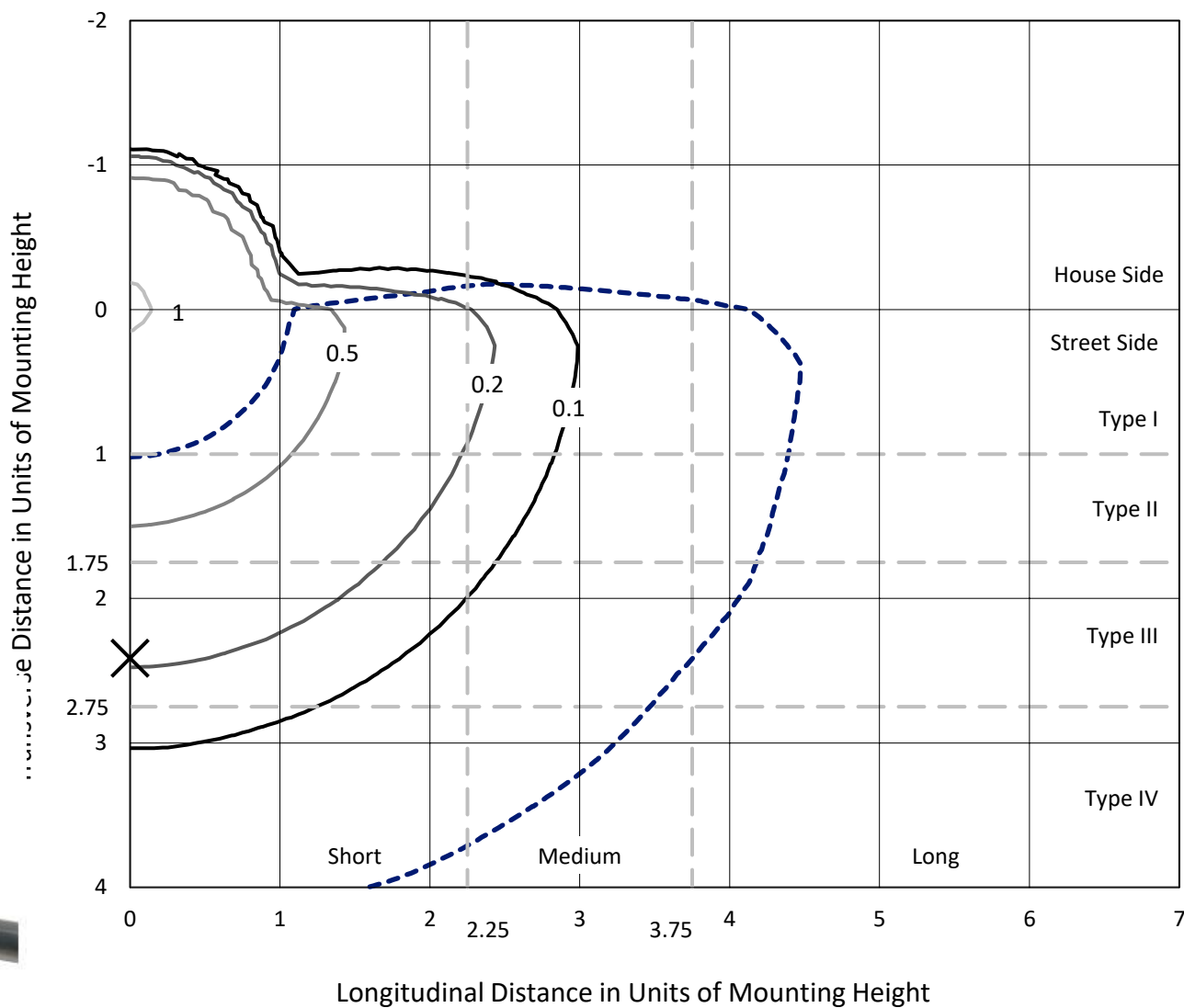
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

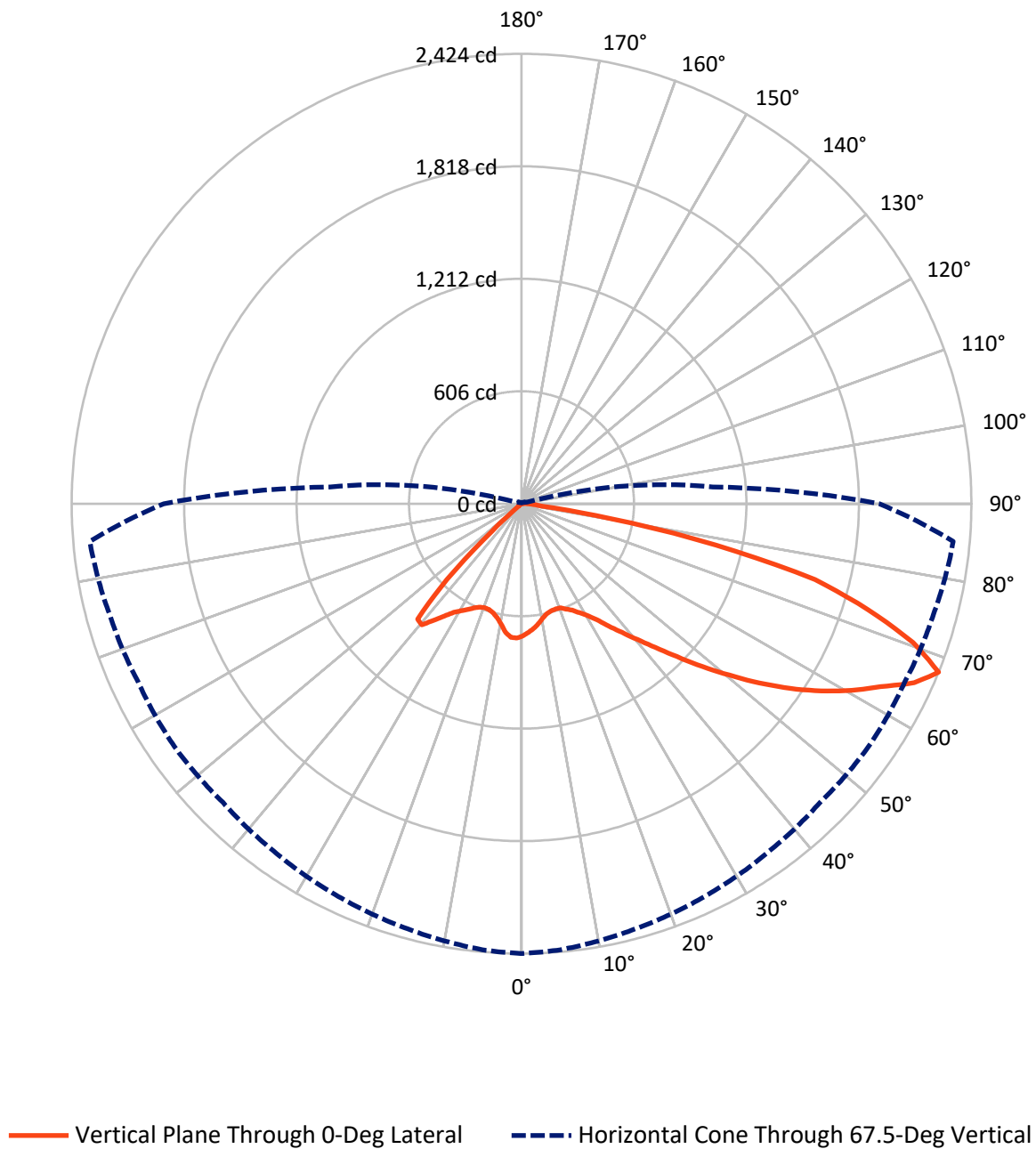


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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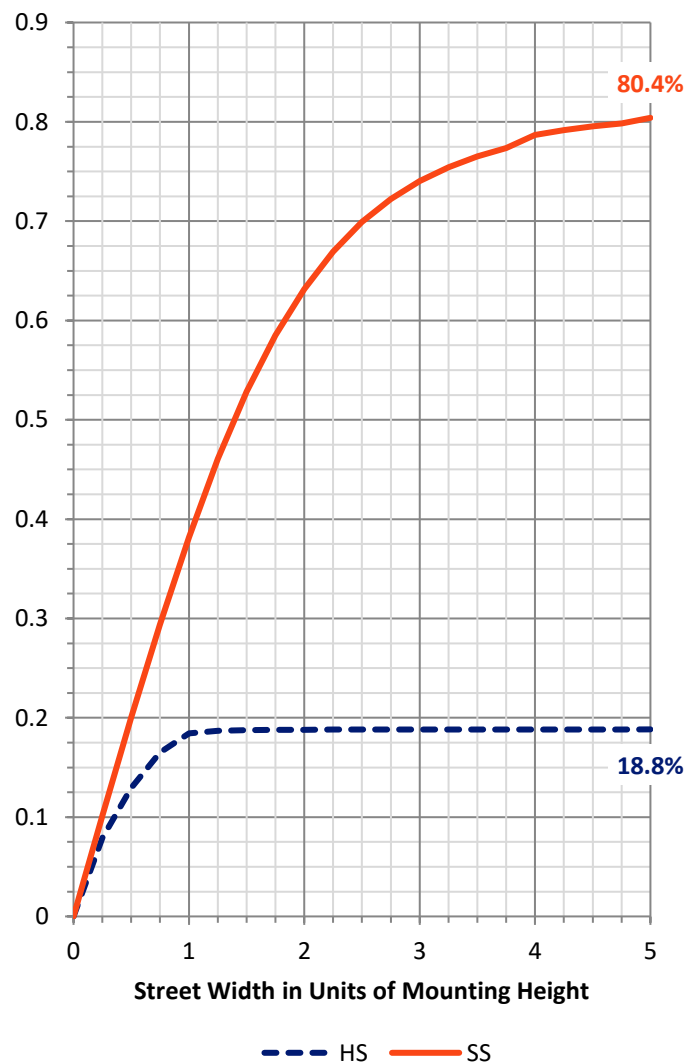
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	865.1	1.6	866.7
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	3690.9	10.4	3701.3
	% Fixture	80.8	0.2	81.0
Total	Lumens	4556.0	12.0	4568.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	1.4
10°-20°	167.7	3.7
20°-30°	287.6	6.3
30°-40°	486.2	10.6
40°-50°	648.8	14.2
50°-60°	823.8	18.0
60°-70°	1153.6	25.3
70°-80°	835.5	18.3
80°-90°	89.0	1.9
90°-100°	10.0	0.2
100°-110°	1.0	0.0
110°-120°	0.4	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	4556.0	99.7
0°-180°	4568.0	100.0

Coefficient of Utilization



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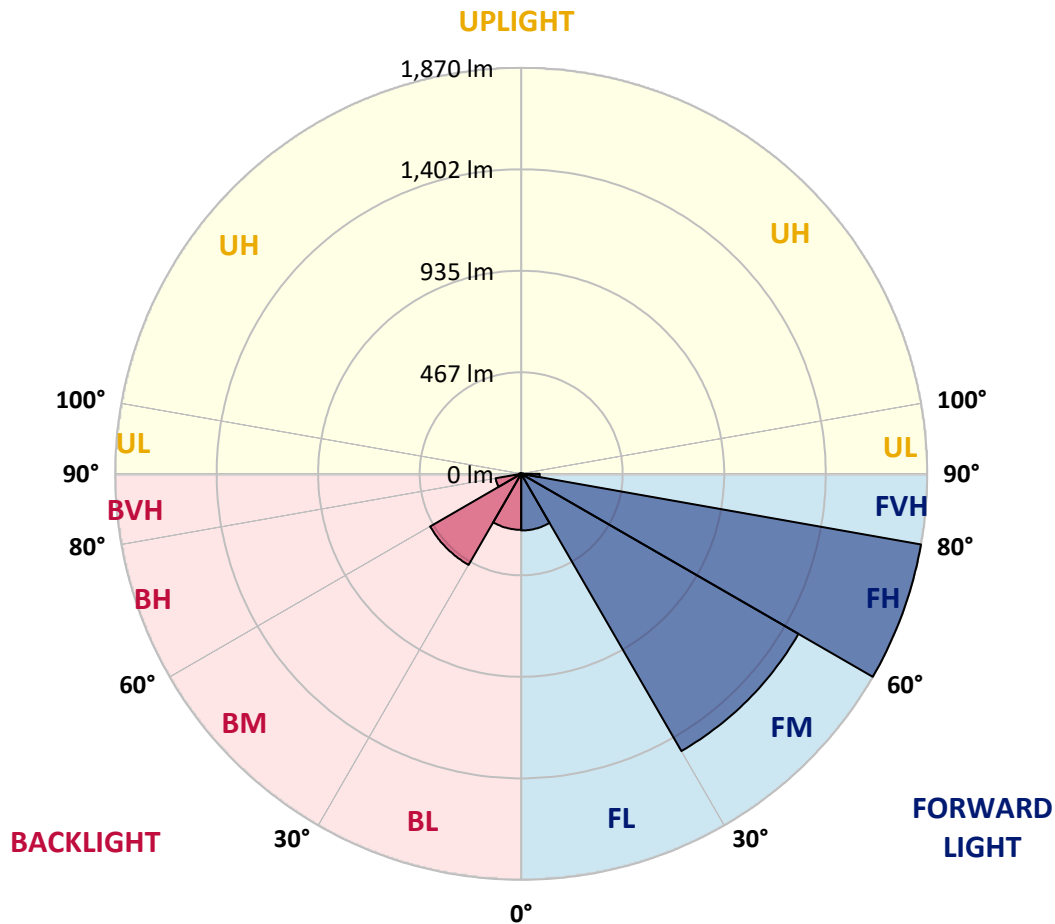
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7040-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.1	5.7			
FM	(30°-60°)	1474.4	32.3			
FH	(60°-80°)	1869.7	40.9			G2/5000
FVH	(80°-90°)	85.7	1.9			G1/100
BL	(0°-30°)	257.9	5.6	B1/500		
BM	(30°-60°)	484.4	10.6	B1/1000		
BH	(60°-80°)	119.5	2.6	B1/500		G1/500
BVH	(80°-90°)	3.3	0.1			G0/10
UL	(90°-100°)	10.0	0.2		U1/10	
UH	(100°-180°)	2.0	0.0		U1/10	

BUG Rating: B1-U1-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8
2.5°	694.5	696.8	696.8	696.8	699.1	696.8	696.8	696.8	696.8	699.1	699.1
5°	676.2	676.2	676.2	678.5	678.5	676.2	673.9	676.2	676.2	678.5	678.5
7.5°	653.4	653.4	653.4	655.7	653.4	648.8	644.2	646.5	644.2	646.5	648.8
10°	626.0	628.2	628.2	626.0	623.7	616.8	610.0	612.3	610.0	612.3	612.3
12.5°	607.7	610.0	610.0	607.7	600.8	596.3	591.7	587.1	584.8	589.4	587.1
15°	598.5	600.8	600.8	598.5	594.0	589.4	580.3	578.0	573.4	571.1	573.4
17.5°	596.3	596.3	596.3	594.0	589.4	582.6	578.0	573.4	571.1	571.1	568.8
20°	598.5	603.1	600.8	598.5	594.0	589.4	582.6	575.7	575.7	575.7	573.4
22.5°	616.8	616.8	614.5	614.5	610.0	603.1	596.3	591.7	587.1	587.1	587.1
25°	635.1	637.4	637.4	635.1	628.2	619.1	616.8	610.0	607.7	605.4	603.1
27.5°	664.8	662.5	664.8	664.8	655.7	651.1	644.2	639.7	637.4	632.8	630.5
30°	699.1	699.1	699.1	699.1	692.2	683.1	678.5	671.6	664.8	664.8	660.2
32.5°	744.8	747.0	747.0	744.8	737.9	728.8	724.2	715.1	712.8	708.2	703.6
35°	808.7	808.7	808.7	804.1	795.0	788.2	783.6	776.7	774.5	767.6	756.2
37.5°	879.5	879.5	884.1	879.5	870.4	861.3	854.4	849.8	843.0	838.4	831.6
40°	961.8	961.8	964.1	957.2	948.1	943.5	936.7	927.5	922.9	920.7	907.0
42.5°	1057.7	1062.3	1062.3	1055.4	1048.6	1041.7	1032.6	1025.7	1021.2	1012.0	993.8
45°	1174.2	1172.0	1176.5	1169.7	1165.1	1162.8	1149.1	1133.1	1135.4	1114.8	1094.3
47.5°	1311.3	1313.6	1311.3	1304.5	1299.9	1297.6	1283.9	1263.3	1254.2	1238.2	1199.4
50°	1450.7	1453.0	1450.7	1446.1	1450.7	1437.0	1421.0	1402.7	1400.4	1379.8	1320.5
52.5°	1603.7	1596.9	1594.6	1592.3	1587.7	1580.9	1564.9	1544.3	1546.6	1523.8	1430.1
55°	1756.8	1749.9	1738.5	1733.9	1729.4	1718.0	1704.2	1697.4	1695.1	1672.3	1546.6
57.5°	1903.0	1891.6	1875.6	1873.3	1866.5	1850.5	1843.6	1832.2	1832.2	1807.1	1631.1
60°	2042.4	2028.7	2010.4	2001.2	1989.8	1976.1	1973.8	1967.0	1969.3	1955.5	1722.5
62.5°	2170.3	2158.9	2136.0	2122.3	2104.0	2092.6	2094.9	2090.3	2099.5	2090.3	1802.5
65°	2325.6	2311.9	2284.5	2254.8	2229.7	2211.4	2204.6	2218.3	2257.1	2266.2	1909.9
67.5°	2423.9	2412.4	2371.3	2334.8	2300.5	2275.4	2282.2	2277.7	2298.2	2334.8	1928.1
70°	2238.8	2234.3	2193.1	2170.3	2145.2	2120.0	2122.3	2115.5	2131.5	2140.6	1768.2
72.5°	1953.3	1976.1	1923.6	1921.3	1905.3	1907.6	1882.4	1900.7	1889.3	1889.3	1564.9
75°	1633.4	1585.5	1569.5	1608.3	1585.5	1587.7	1583.2	1603.7	1601.4	1603.7	1361.6
77.5°	1071.4	1080.6	1060.0	1101.1	1121.7	1156.0	1172.0	1226.8	1206.2	1201.7	1078.3
80°	479.7	491.2	493.5	532.3	557.4	591.7	580.3	619.1	594.0	552.9	527.7
82.5°	107.4	107.4	121.1	155.3	164.5	171.3	171.3	178.2	141.6	86.8	70.8
85°	73.1	70.8	95.9	130.2	137.1	132.5	127.9	118.8	82.2	25.1	20.6
87.5°	48.0	50.3	77.7	107.4	111.9	105.1	98.2	89.1	59.4	6.9	4.6
90°	32.0	36.6	59.4	82.2	82.2	77.7	70.8	59.4	36.6	2.3	2.3
92.5°	16.0	18.3	29.7	36.6	34.3	29.7	27.4	22.8	13.7	2.3	2.3
95°	9.1	9.1	13.7	13.7	13.7	11.4	11.4	9.1	4.6	2.3	2.3
97.5°	6.9	6.9	9.1	9.1	6.9	6.9	6.9	4.6	2.3	2.3	2.3
100°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	2.3	2.3	2.3	2.3
102.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
105°	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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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CATALOG NUMBER: CRTK2-C018-D-U-T5R-7040-U0-DS-HSS-CRTK2

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	2.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	2.3
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	2.3
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	2.3	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	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3
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	2.3	0.0	2.3	2.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	0.0	2.3	2.3
175°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3
177.5°	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.3	2.3	2.3	2.3
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°	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8	712.8
2.5°	701.3	703.6	705.9	710.5	710.5	717.3	719.6	721.9	724.2	724.2
5°	683.1	685.4	692.2	696.8	703.6	708.2	715.1	717.3	719.6	721.9
7.5°	648.8	653.4	660.2	662.5	671.6	678.5	685.4	692.2	694.5	699.1
10°	614.5	616.8	619.1	626.0	630.5	639.7	648.8	653.4	657.9	657.9
12.5°	589.4	591.7	594.0	596.3	603.1	607.7	616.8	621.4	623.7	628.2
15°	573.4	573.4	578.0	578.0	582.6	589.4	594.0	600.8	603.1	607.7
17.5°	568.8	568.8	571.1	573.4	578.0	580.3	584.8	591.7	594.0	596.3
20°	571.1	573.4	573.4	575.7	580.3	582.6	587.1	589.4	591.7	594.0
22.5°	582.6	580.3	582.6	582.6	584.8	589.4	594.0	598.5	600.8	600.8
25°	598.5	596.3	596.3	600.8	603.1	605.4	612.3	614.5	616.8	616.8
27.5°	626.0	623.7	626.0	626.0	628.2	628.2	635.1	635.1	637.4	639.7
30°	653.4	646.5	646.5	646.5	648.8	653.4	655.7	660.2	662.5	662.5
32.5°	694.5	680.8	678.5	680.8	680.8	683.1	689.9	687.6	692.2	689.9
35°	747.0	733.3	728.8	728.8	728.8	728.8	735.6	731.0	735.6	733.3
37.5°	811.0	792.7	790.4	790.4	785.9	788.2	790.4	785.9	783.6	785.9
40°	879.5	847.6	845.3	847.6	847.6	847.6	847.6	845.3	843.0	845.3
42.5°	847.6	719.6	735.6	758.5	781.3	808.7	815.6	833.8	836.1	836.1
45°	740.2	415.8	438.6	472.9	486.6	495.7	520.9	559.7	571.1	573.4
47.5°	653.4	139.4	148.5	162.2	185.0	196.5	198.8	226.2	237.6	214.7
50°	646.5	32.0	22.8	22.8	25.1	20.6	20.6	22.8	22.8	22.8
52.5°	705.9	29.7	20.6	18.3	18.3	18.3	16.0	18.3	18.3	18.3
55°	767.6	29.7	20.6	18.3	18.3	18.3	16.0	16.0	16.0	16.0
57.5°	817.9	29.7	20.6	18.3	18.3	16.0	13.7	13.7	13.7	13.7
60°	877.3	29.7	20.6	18.3	18.3	13.7	11.4	11.4	11.4	11.4
62.5°	927.5	32.0	20.6	18.3	16.0	11.4	11.4	11.4	11.4	11.4
65°	1000.6	32.0	20.6	16.0	11.4	9.1	9.1	9.1	9.1	9.1
67.5°	1034.9	32.0	18.3	13.7	9.1	6.9	6.9	6.9	6.9	6.9
70°	932.1	25.1	13.7	9.1	6.9	6.9	6.9	6.9	6.9	6.9
72.5°	797.3	18.3	9.1	6.9	4.6	4.6	4.6	4.6	4.6	2.3
75°	635.1	11.4	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0
77.5°	445.5	9.1	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0
80°	185.0	6.9	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.4	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.1	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C018-D-U-T5R-7040-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.3	2.3	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°	2.3	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	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	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°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.3	2.3	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)