

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: P691604

Luminaire Tested: **CRTK2-C018-5TLD-U-T3-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T3-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7371.9 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 53.7
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



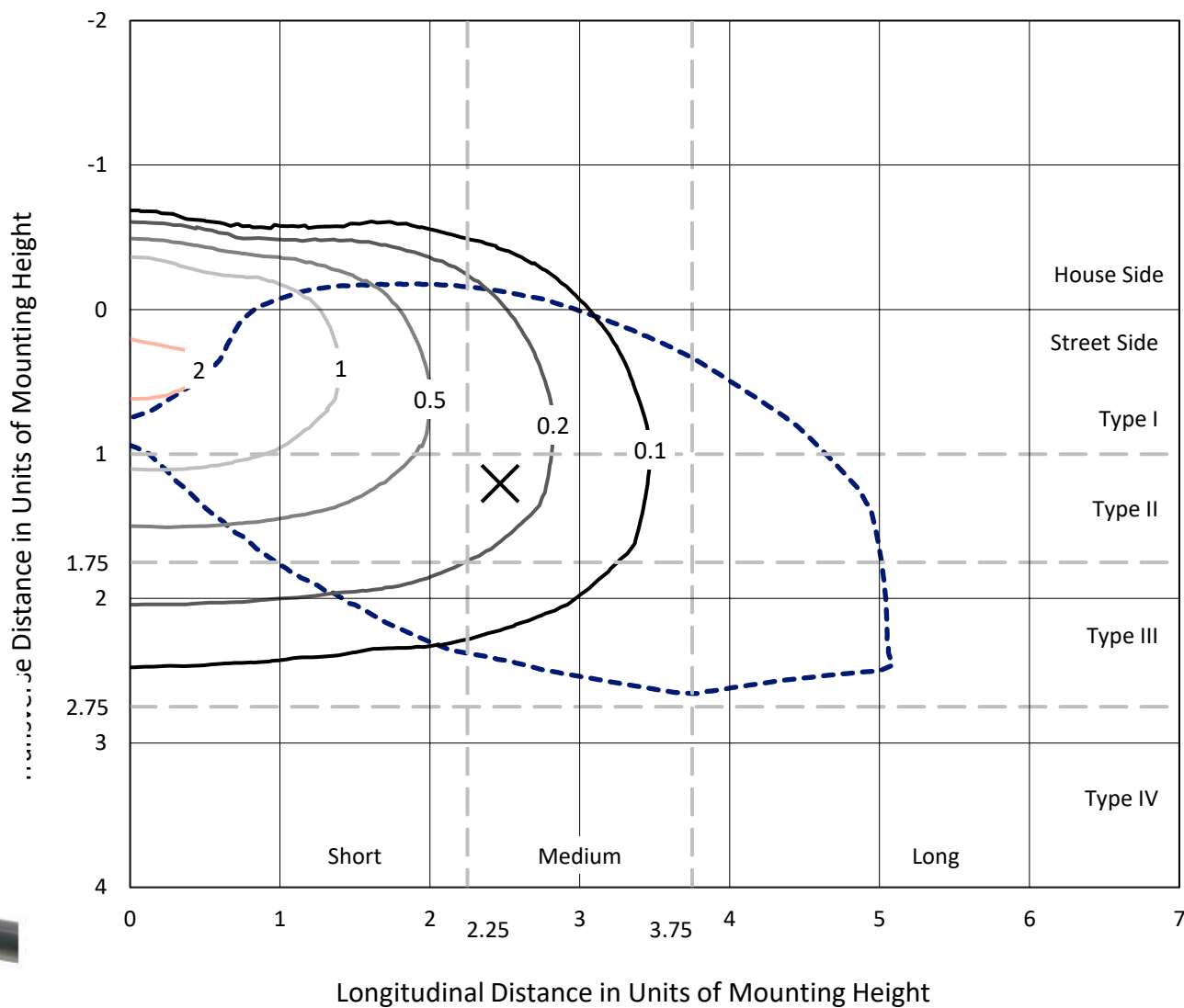
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

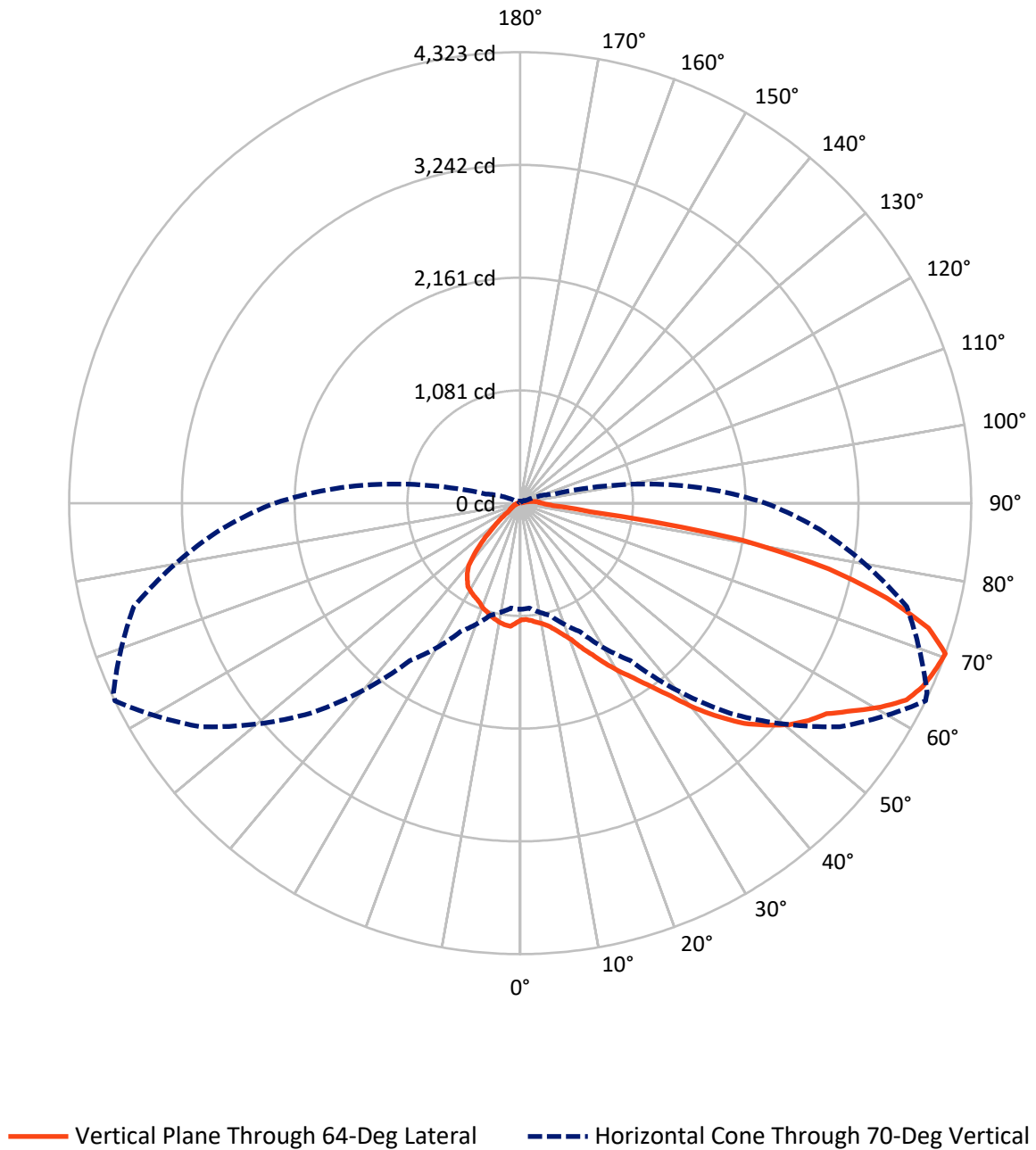


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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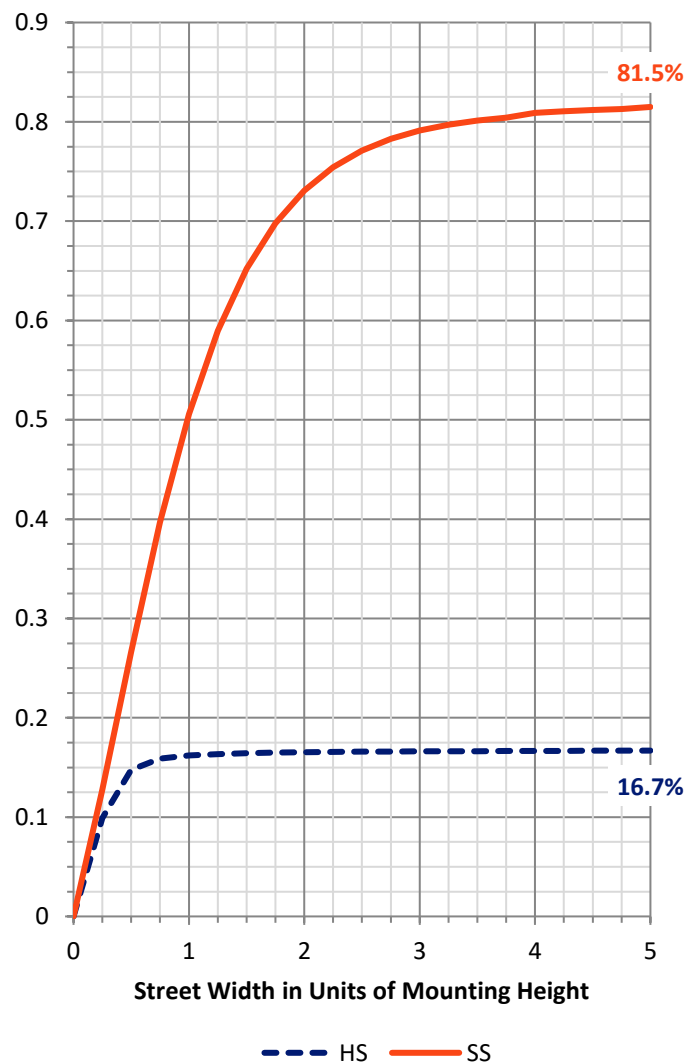
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1250.2	15.2	1265.4
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	6044.4	62.1	6106.5
	% Fixture	82.0	0.8	82.8
Total	Lumens	7294.6	77.3	7371.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	1.5
10°-20°	339.8	4.6
20°-30°	587.3	8.0
30°-40°	871.5	11.8
40°-50°	1197.2	16.2
50°-60°	1453.9	19.7
60°-70°	1544.6	21.0
70°-80°	1020.5	13.8
80°-90°	169.0	2.3
90°-100°	63.0	0.9
100°-110°	10.6	0.1
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7294.6	99.0
0°-180°	7371.9	100.0

Coefficient of Utilization



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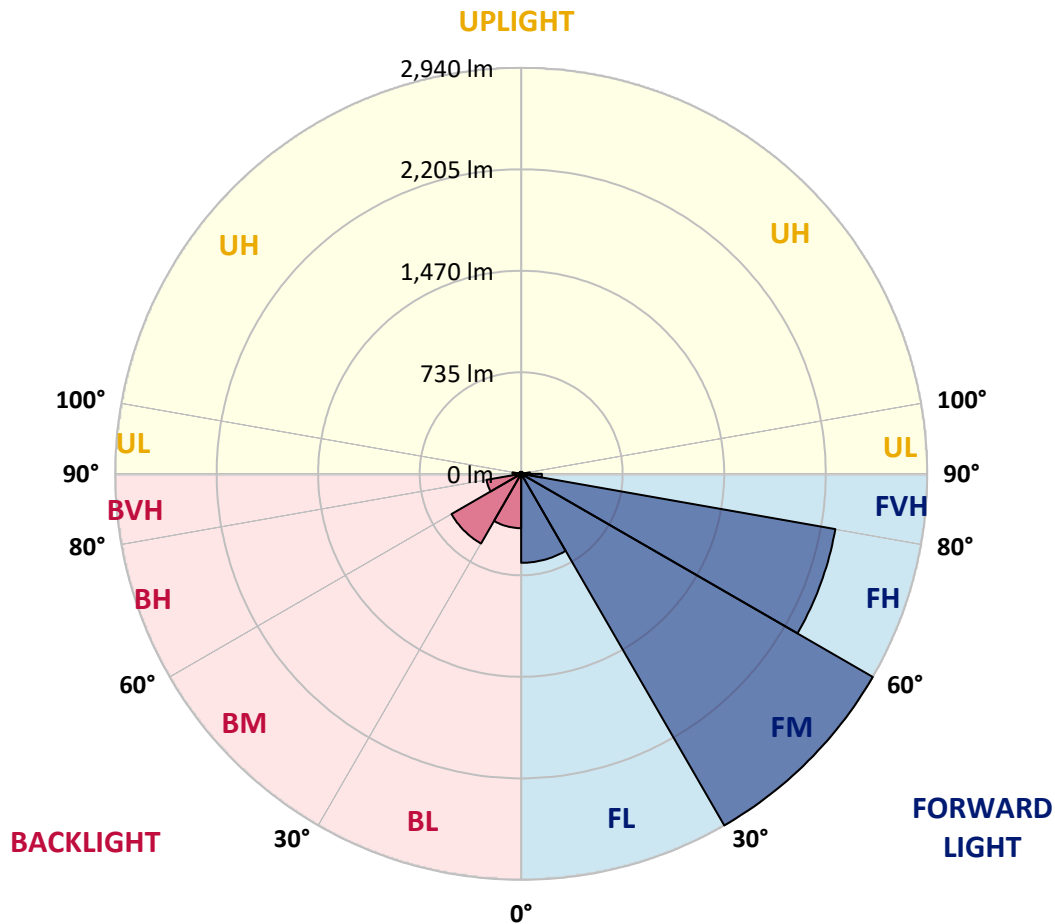
CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	644.4	8.7			
FM	(30°-60°)	2939.8	39.9			
FH	(60°-80°)	2310.2	31.3			G2/5000
FVH	(80°-90°)	150.0	2.0			G2/225
BL	(0°-30°)	393.6	5.3	B1/500		
BM	(30°-60°)	582.8	7.9	B1/1000		
BH	(60°-80°)	254.9	3.5	B1/500		G1/500
BVH	(80°-90°)	19.0	0.3			G1/100
UL	(90°-100°)	63.0	0.9		U3/500	
UH	(100°-180°)	14.3	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3
2.5°	1126.2	1123.6	1126.2	1123.6	1120.9	1118.3	1115.7	1115.7	1113.0	1115.7	1118.3
5°	1176.3	1179.0	1173.7	1163.1	1149.9	1139.4	1134.1	1131.5	1131.5	1134.1	1144.7
7.5°	1213.2	1210.6	1208.0	1205.3	1194.8	1171.0	1157.9	1152.6	1152.6	1147.3	1165.8
10°	1279.2	1273.9	1260.7	1244.9	1234.3	1208.0	1184.2	1176.3	1173.7	1176.3	1192.1
12.5°	1350.4	1345.1	1342.5	1326.7	1289.7	1266.0	1226.4	1208.0	1208.0	1208.0	1215.9
15°	1453.3	1445.3	1419.0	1400.5	1368.9	1329.3	1284.5	1258.1	1258.1	1263.4	1242.3
17.5°	1527.1	1521.8	1519.2	1487.5	1461.2	1400.5	1366.2	1321.4	1321.4	1331.9	1287.1
20°	1603.6	1598.3	1601.0	1595.7	1556.1	1508.6	1448.0	1395.2	1395.2	1397.9	1334.6
22.5°	1706.5	1698.5	1698.5	1695.9	1674.8	1619.4	1548.2	1503.4	1495.5	1474.4	1395.2
25°	1809.3	1806.7	1801.4	1804.0	1798.8	1735.5	1659.0	1608.9	1608.9	1579.9	1477.0
27.5°	1912.2	1912.2	1909.5	1912.2	1909.5	1870.0	1793.5	1740.7	1743.4	1706.5	1566.7
30°	1986.0	1983.4	2001.9	2009.8	2015.0	1999.2	1925.4	1867.3	1872.6	1835.7	1672.2
32.5°	2054.6	2052.0	2083.6	2102.1	2107.4	2104.7	2044.1	1996.6	2009.8	1975.5	1798.8
35°	2117.9	2115.3	2157.5	2204.9	2226.0	2220.8	2181.2	2154.8	2168.0	2165.4	1970.2
37.5°	2165.4	2173.3	2228.7	2294.6	2331.5	2334.2	2315.7	2344.7	2360.6	2413.3	2183.8
40°	2220.8	2220.8	2273.5	2344.7	2410.7	2437.0	2452.9	2584.7	2600.6	2611.1	2326.3
42.5°	2162.7	2178.6	2292.0	2397.5	2481.9	2542.5	2629.6	2801.0	2835.3	2756.2	2500.3
45°	2117.9	2131.1	2247.1	2423.9	2545.2	2658.6	2822.1	3012.0	3038.4	2901.2	2592.6
47.5°	2070.4	2091.5	2210.2	2405.4	2605.8	2801.0	2983.0	3178.2	3201.9	3025.2	2721.9
50°	2015.0	2038.8	2165.4	2379.0	2637.5	2935.5	3128.1	3339.1	3341.7	3133.3	2793.1
52.5°	1962.3	1978.1	2110.0	2344.7	2663.9	3038.4	3265.2	3460.4	3444.6	3270.5	2869.6
55°	1872.6	1904.3	2044.1	2297.3	2677.0	3096.4	3360.2	3563.2	3573.8	3418.2	2972.4
57.5°	1790.9	1812.0	1959.7	2228.7	2666.5	3130.7	3452.5	3755.8	3776.9	3550.1	3046.3
60°	1688.0	1701.2	1843.6	2133.7	2597.9	3188.7	3658.2	3969.4	3993.2	3676.7	3075.3
62.5°	1558.8	1558.8	1701.2	2007.1	2510.9	3230.9	3800.6	4154.0	4154.0	3776.9	3085.9
65°	1392.6	1400.5	1527.1	1835.7	2365.8	3207.2	3842.8	4241.1	4249.0	3848.1	3080.6
67.5°	1231.7	1229.1	1339.8	1611.5	2146.9	3083.2	3811.2	4285.9	4317.6	3890.3	3012.0
70°	1018.1	1010.2	1113.0	1358.3	1841.0	2848.5	3737.3	4322.8	4301.7	3834.9	2877.5
72.5°	783.3	775.4	851.9	1039.2	1450.6	2444.9	3521.0	4090.7	4053.8	3534.2	2600.6
75°	556.5	546.0	606.6	730.6	954.8	1788.2	3019.9	3629.2	3587.0	3178.2	2170.7
77.5°	316.5	305.9	361.3	461.6	577.6	1012.8	2286.7	3025.2	3083.2	2621.7	1659.0
80°	139.8	134.5	158.2	221.5	324.4	482.7	1244.9	2162.7	2083.6	1788.2	944.2
82.5°	118.7	118.7	121.3	126.6	131.9	221.5	466.8	680.5	651.5	524.9	300.7
85°	102.9	100.2	105.5	110.8	113.4	145.1	271.7	327.0	321.8	290.1	208.4
87.5°	84.4	79.1	87.0	92.3	92.3	118.7	203.1	240.0	240.0	242.6	184.6
90°	73.8	73.8	68.6	68.6	71.2	84.4	155.6	197.8	203.1	250.6	213.6
92.5°	63.3	63.3	63.3	63.3	52.7	60.7	110.8	176.7	189.9	245.3	192.5
95°	60.7	58.0	60.7	55.4	52.7	55.4	84.4	155.6	171.4	216.3	168.8
97.5°	42.2	39.6	44.8	44.8	47.5	50.1	71.2	116.0	121.3	160.9	126.6
100°	29.0	26.4	26.4	26.4	34.3	34.3	58.0	71.2	73.8	102.9	84.4
102.5°	15.8	13.2	13.2	13.2	18.5	21.1	29.0	39.6	39.6	55.4	47.5
105°	5.3	5.3	7.9	7.9	7.9	10.5	10.5	13.2	13.2	15.8	21.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6

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CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3	1118.3
2.5°	1120.9	1126.2	1139.4	1147.3	1157.9	1168.4	1176.3	1176.3	1184.2	1179.0	1176.3
5°	1155.2	1157.9	1173.7	1184.2	1181.6	1171.0	1163.1	1157.9	1160.5	1165.8	1165.8
7.5°	1179.0	1189.5	1176.3	1176.3	1173.7	1160.5	1144.7	1128.8	1120.9	1118.3	1118.3
10°	1192.1	1181.6	1176.3	1163.1	1134.1	1126.2	1113.0	1084.0	1076.1	1076.1	1065.5
12.5°	1200.1	1194.8	1165.8	1142.0	1115.7	1073.5	1044.4	1039.2	1015.4	1012.8	1015.4
15°	1231.7	1205.3	1168.4	1123.6	1073.5	1036.5	997.0	954.8	936.3	938.9	941.6
17.5°	1252.8	1229.1	1163.1	1091.9	1047.1	978.5	933.7	909.9	880.9	880.9	880.9
20°	1287.1	1247.5	1155.2	1078.7	973.2	923.1	870.4	844.0	815.0	764.9	759.6
22.5°	1331.9	1281.8	1152.6	1039.2	944.2	862.5	786.0	704.2	662.0	633.0	625.1
25°	1387.3	1329.3	1171.0	1020.7	888.8	788.6	691.0	580.2	501.1	485.3	485.3
27.5°	1482.3	1390.0	1194.8	1002.2	857.2	706.8	553.9	456.3	387.7	366.6	364.0
30°	1574.6	1466.4	1202.7	983.8	796.5	596.1	427.3	324.4	263.7	237.4	232.1
32.5°	1719.6	1571.9	1271.3	968.0	727.9	480.0	303.3	205.7	155.6	139.8	137.1
35°	1867.3	1714.4	1295.0	925.8	604.0	350.8	174.1	110.8	84.4	71.2	68.6
37.5°	2057.2	1893.7	1366.2	880.9	480.0	200.4	97.6	60.7	52.7	52.7	52.7
40°	2168.0	1972.8	1429.5	822.9	329.7	102.9	58.0	47.5	47.5	44.8	44.8
42.5°	2310.4	2070.4	1484.9	709.5	174.1	63.3	50.1	44.8	39.6	39.6	39.6
45°	2392.2	2133.7	1466.4	569.7	81.8	58.0	47.5	39.6	36.9	36.9	36.9
47.5°	2492.4	2212.9	1426.9	422.0	71.2	52.7	44.8	36.9	34.3	36.9	36.9
50°	2592.6	2292.0	1326.7	324.4	65.9	50.1	39.6	31.6	31.6	34.3	34.3
52.5°	2642.8	2347.4	1208.0	224.2	65.9	47.5	36.9	31.6	29.0	29.0	29.0
55°	2700.8	2360.6	1107.7	147.7	63.3	44.8	34.3	26.4	26.4	23.7	23.7
57.5°	2732.4	2326.3	1033.9	124.0	60.7	42.2	31.6	23.7	21.1	18.5	18.5
60°	2719.2	2276.2	970.6	108.1	55.4	39.6	29.0	21.1	15.8	13.2	13.2
62.5°	2692.9	2234.0	854.5	94.9	52.7	34.3	23.7	18.5	13.2	10.5	10.5
65°	2663.9	2120.5	720.0	81.8	47.5	31.6	21.1	15.8	10.5	7.9	7.9
67.5°	2529.3	1970.2	527.5	73.8	44.8	29.0	18.5	13.2	10.5	7.9	7.9
70°	2352.6	1719.6	340.2	63.3	39.6	26.4	18.5	10.5	7.9	5.3	5.3
72.5°	2001.9	1403.1	171.4	55.4	36.9	26.4	15.8	10.5	7.9	5.3	2.6
75°	1635.2	1047.1	110.8	47.5	34.3	26.4	15.8	10.5	5.3	2.6	2.6
77.5°	1171.0	567.1	84.4	42.2	29.0	26.4	13.2	7.9	5.3	5.3	2.6
80°	487.9	205.7	68.6	34.3	26.4	23.7	13.2	7.9	5.3	5.3	2.6
82.5°	205.7	142.4	60.7	29.0	23.7	23.7	10.5	7.9	5.3	5.3	5.3
85°	160.9	118.7	52.7	26.4	21.1	26.4	10.5	7.9	7.9	7.9	7.9
87.5°	150.3	121.3	47.5	23.7	21.1	18.5	10.5	7.9	13.2	13.2	15.8
90°	168.8	126.6	36.9	21.1	18.5	15.8	7.9	5.3	5.3	0.0	0.0
92.5°	155.6	116.0	26.4	15.8	23.7	10.5	5.3	0.0	0.0	0.0	0.0
95°	134.5	97.6	15.8	10.5	26.4	13.2	2.6	0.0	0.0	0.0	0.0
97.5°	100.2	71.2	10.5	5.3	21.1	15.8	2.6	0.0	0.0	0.0	0.0
100°	71.2	44.8	7.9	5.3	13.2	15.8	2.6	0.0	0.0	0.0	0.0
102.5°	39.6	23.7	5.3	2.6	5.3	5.3	0.0	0.0	0.0	0.0	0.0
105°	18.5	7.9	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C018-5TLD-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
115°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
122.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
125°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
127.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
130°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
132.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
135°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
137.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
140°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
150°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
157.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.6	2.6	2.6	2.6	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	0.0

(END OF REPORT)