

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: P691714

Luminaire Tested: **CRTK2-C018-D-U-T3-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T3-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5051 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U4 - 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



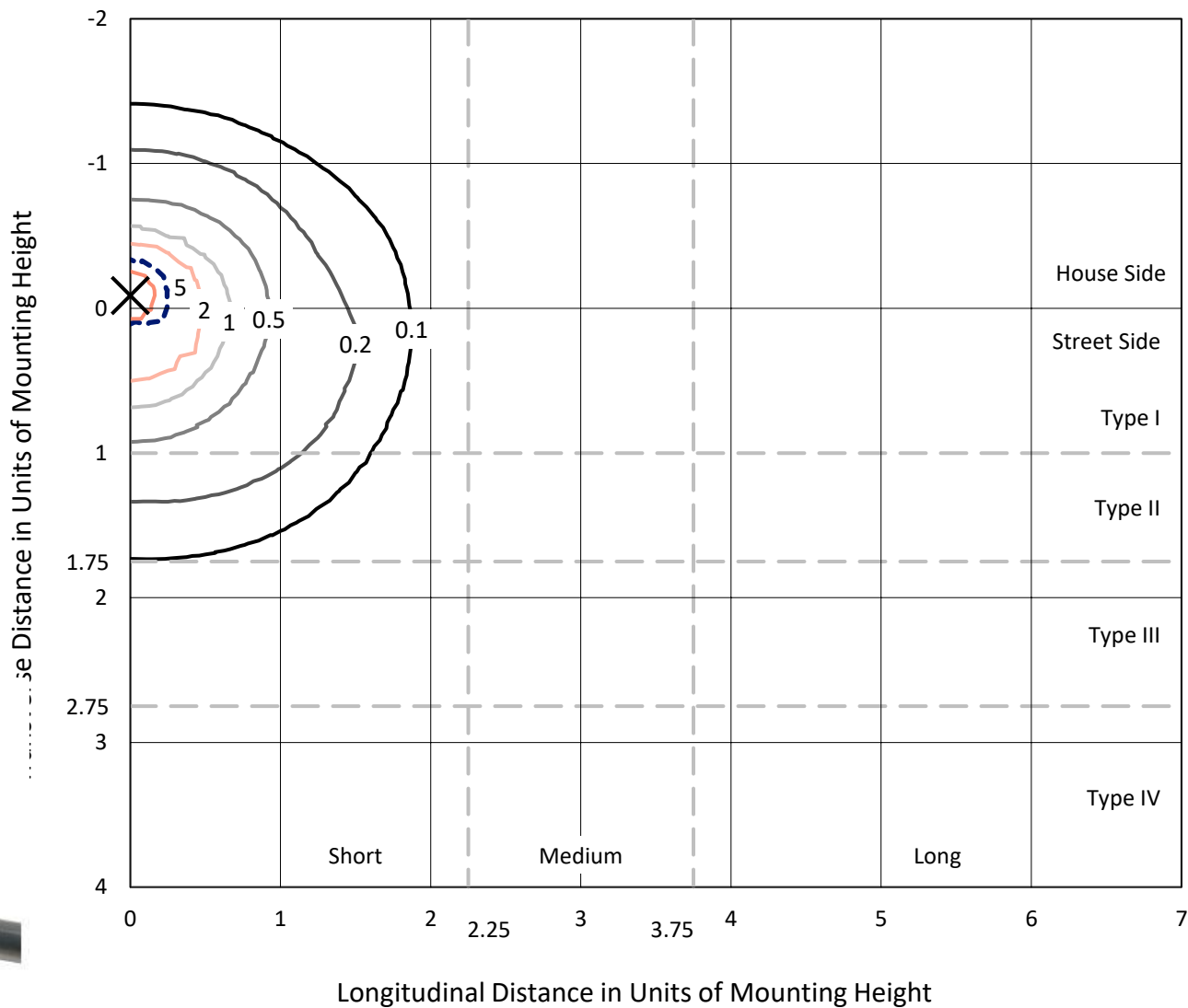
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

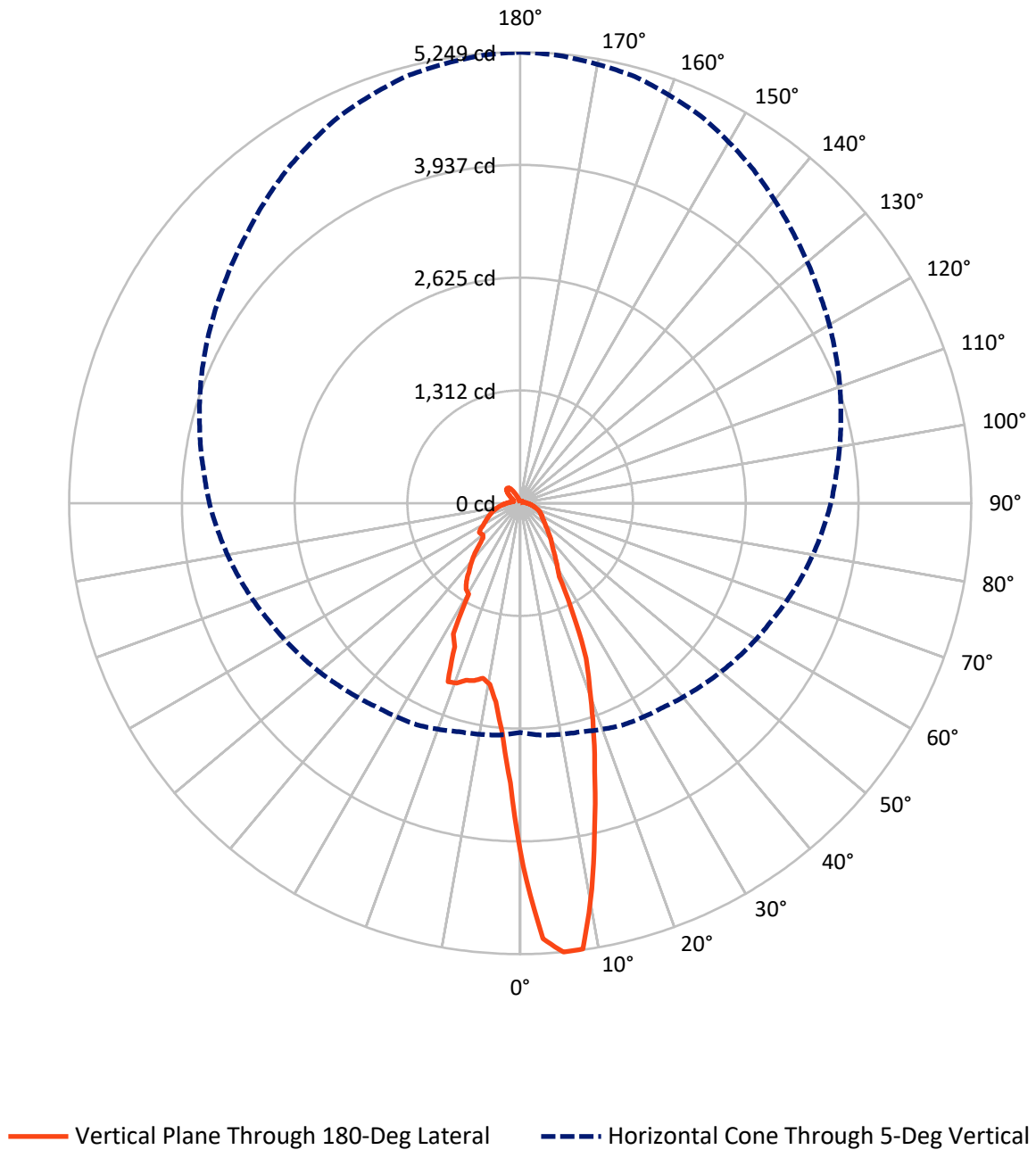


Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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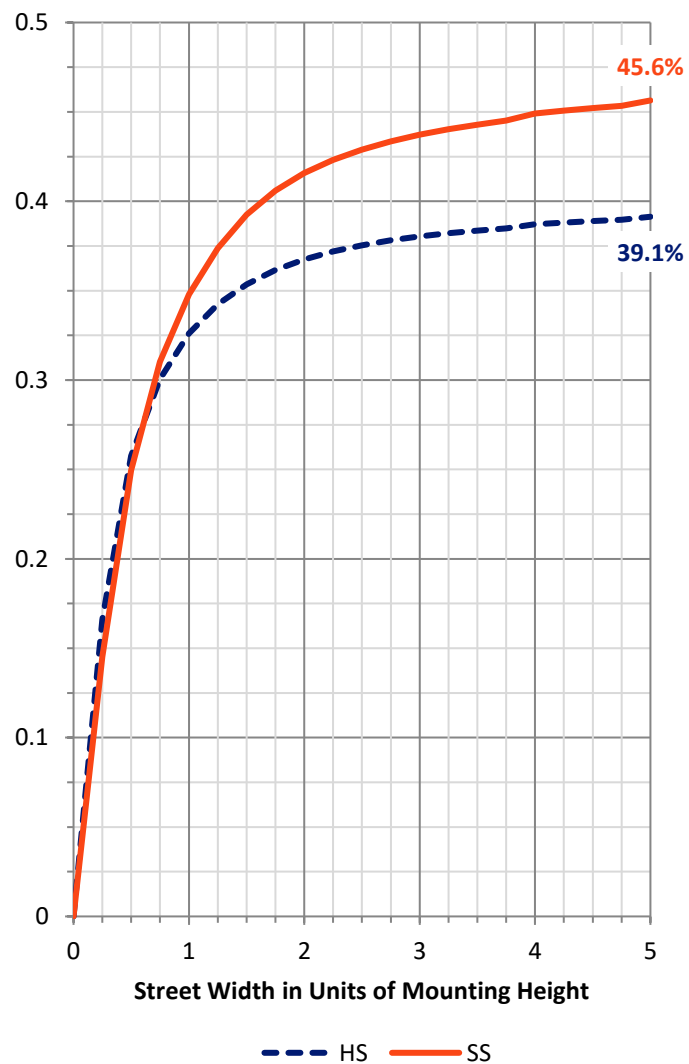
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2030.1	217.7	2247.8
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	2369.1	434.1	2803.2
	% Fixture	46.9	8.6	55.5
Total	Lumens	4399.2	651.8	5051.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.5	6.7
10°-20°	728.2	14.4
20°-30°	801.8	15.9
30°-40°	589.1	11.7
40°-50°	493.6	9.8
50°-60°	495.3	9.8
60°-70°	424.1	8.4
70°-80°	316.0	6.3
80°-90°	211.5	4.2
90°-100°	125.6	2.5
100°-110°	72.9	1.4
110°-120°	67.8	1.3
120°-130°	98.4	1.9
130°-140°	132.4	2.6
140°-150°	107.2	2.1
150°-160°	42.4	0.8
160°-170°	5.2	0.1
170°-180°	0.0	0.0
0°-90°	4399.2	87.1
0°-180°	5051.0	100.0

Coefficient of Utilization



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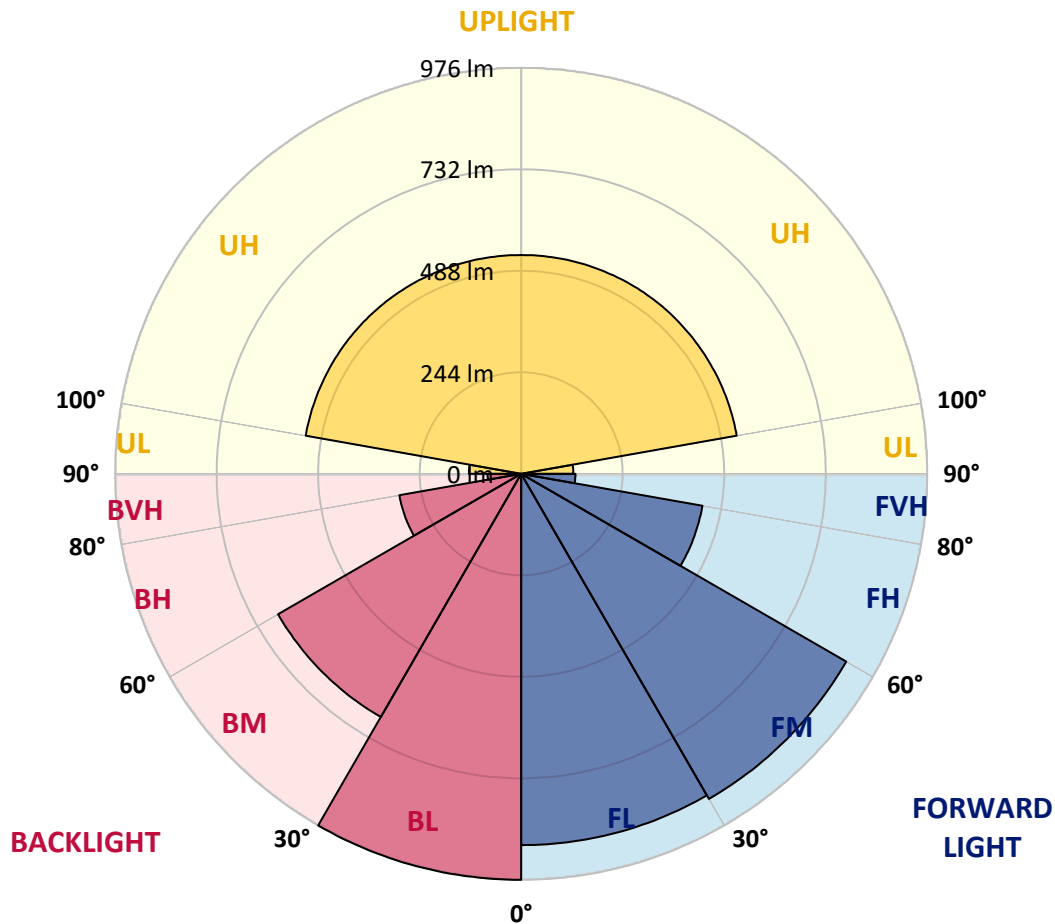
CATALOG NUMBER: CRTK2-C018-D-U-T3-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	893.1	17.7			
FM	(30°-60°)	902.8	17.9			
FH	(60°-80°)	442.6	8.8			G0/660
FVH	(80°-90°)	130.5	2.6			G2/225
BL	(0°-30°)	976.4	19.3	B2/1000		
BM	(30°-60°)	675.2	13.4	B1/1000		
BH	(60°-80°)	297.5	5.9	B1/500		G1/500
BVH	(80°-90°)	80.9	1.6			G1/100
UL	(90°-100°)	125.6	2.5		U3/500	
UH	(100°-180°)	526.2	10.4		U4/1000	

BUG Rating: B2-U4-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2
2.5°	3257.4	3305.5	3329.6	3401.8	3425.9	3472.0	3542.2	3612.4	3730.7	3819.0	3887.2
5°	2669.7	2709.8	2753.9	2846.2	2900.3	2996.6	3108.9	3229.3	3381.7	3536.2	3616.4
7.5°	2326.7	2336.7	2400.9	2513.2	2611.5	2713.8	2836.2	2940.5	3044.8	3171.1	3251.4
10°	2138.2	2152.2	2194.3	2280.6	2364.8	2449.1	2545.3	2625.6	2731.9	2838.2	2886.3
12.5°	2082.0	2088.0	2124.1	2174.3	2228.4	2282.6	2356.8	2429.0	2523.3	2615.5	2647.6
15°	2132.1	2132.1	2138.2	2158.2	2186.3	2228.4	2284.6	2346.8	2433.0	2501.2	2535.3
17.5°	2156.2	2158.2	2174.3	2178.3	2204.3	2222.4	2272.5	2320.7	2402.9	2459.1	2477.1
20°	2220.4	2220.4	2222.4	2232.4	2236.4	2246.5	2268.5	2294.6	2362.8	2392.9	2388.9
22.5°	2240.4	2232.4	2264.5	2322.7	2320.7	2322.7	2302.6	2308.6	2346.8	2334.7	2306.6
25°	1839.3	1829.3	1865.4	1901.5	1953.6	2019.8	2184.3	2312.7	2360.8	2322.7	2260.5
27.5°	1710.9	1666.8	1656.8	1570.5	1492.3	1363.9	1351.9	1271.7	1263.6	1313.8	1359.9
30°	1215.5	1217.5	1215.5	1207.5	1201.5	1207.5	1213.5	1199.5	1203.5	1235.6	1221.5
32.5°	1185.4	1185.4	1177.4	1173.4	1155.3	1149.3	1139.3	1113.2	1117.2	1141.3	1135.3
35°	1105.2	1101.2	1103.2	1093.1	1061.1	1035.0	1031.0	1008.9	1008.9	1022.9	1016.9
37.5°	984.8	978.8	1002.9	1000.9	974.8	964.8	954.7	940.7	940.7	952.7	940.7
40°	890.6	886.6	912.6	920.7	904.6	908.6	910.6	898.6	910.6	912.6	896.6
42.5°	790.3	788.3	810.3	808.3	794.3	792.3	790.3	782.3	802.3	818.4	806.3
45°	671.9	665.9	682.0	688.0	684.0	678.0	675.9	675.9	688.0	696.0	684.0
47.5°	593.7	595.7	607.7	621.8	625.8	629.8	627.8	623.8	631.8	633.8	623.8
50°	567.6	569.6	587.7	603.7	615.8	623.8	623.8	617.8	623.8	617.8	603.7
52.5°	579.7	579.7	603.7	627.8	647.9	661.9	663.9	655.9	655.9	639.8	617.8
55°	583.7	587.7	619.8	659.9	696.0	734.1	752.2	746.1	752.2	718.1	682.0
57.5°	545.6	555.6	587.7	635.8	684.0	744.1	782.3	786.3	784.3	754.2	710.0
60°	495.4	503.4	525.5	567.6	613.8	661.9	700.0	708.0	716.1	702.0	661.9
62.5°	461.3	465.3	483.4	513.5	545.6	571.6	585.7	583.7	591.7	587.7	557.6
65°	431.2	433.2	453.3	477.4	497.4	523.5	527.5	527.5	533.5	525.5	501.4
67.5°	399.1	399.1	415.2	437.3	461.3	483.4	489.4	491.4	499.4	491.4	473.4
70°	371.1	371.1	385.1	403.2	421.2	443.3	449.3	451.3	461.3	451.3	433.2
72.5°	345.0	345.0	357.0	373.1	389.1	407.2	413.2	415.2	423.2	413.2	399.1
75°	316.9	318.9	328.9	343.0	357.0	373.1	381.1	381.1	387.1	375.1	363.0
77.5°	288.8	290.8	300.9	312.9	324.9	341.0	345.0	347.0	353.0	341.0	328.9
80°	260.8	264.8	272.8	282.8	294.8	306.9	314.9	314.9	318.9	306.9	298.9
82.5°	234.7	238.7	244.7	252.7	264.8	276.8	284.8	284.8	286.8	276.8	266.8
85°	208.6	212.6	218.6	224.6	234.7	246.7	254.7	254.7	256.7	246.7	238.7
87.5°	184.5	188.5	192.6	198.6	206.6	218.6	226.7	226.7	226.7	218.6	210.6
90°	160.5	162.5	166.5	172.5	180.5	190.5	196.6	198.6	198.6	188.5	184.5
92.5°	142.4	142.4	146.4	150.4	158.5	166.5	172.5	174.5	174.5	168.5	162.5
95°	122.4	124.4	126.4	130.4	136.4	142.4	150.4	150.4	150.4	146.4	142.4
97.5°	108.3	106.3	108.3	110.3	116.3	120.3	126.4	128.4	128.4	124.4	122.4
100°	92.3	94.3	94.3	96.3	98.3	100.3	104.3	106.3	106.3	104.3	104.3
102.5°	86.2	84.2	84.2	84.2	84.2	84.2	86.2	86.2	88.3	86.2	84.2
105°	80.2	80.2	80.2	80.2	78.2	78.2	78.2	78.2	76.2	74.2	74.2
107.5°	78.2	78.2	78.2	78.2	76.2	76.2	74.2	74.2	72.2	70.2	68.2
110°	78.2	78.2	78.2	78.2	76.2	74.2	74.2	72.2	70.2	68.2	66.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	82.2	82.2	82.2	82.2	78.2	76.2	74.2	74.2	70.2	68.2	66.2
115°	90.3	90.3	88.3	88.3	86.2	82.2	80.2	78.2	76.2	72.2	70.2
117.5°	98.3	98.3	98.3	98.3	96.3	92.3	88.3	86.2	84.2	78.2	76.2
120°	112.3	112.3	112.3	114.3	110.3	106.3	102.3	98.3	96.3	90.3	86.2
122.5°	130.4	128.4	132.4	134.4	132.4	126.4	120.3	116.3	112.3	104.3	100.3
125°	148.4	148.4	152.4	158.5	158.5	152.4	144.4	138.4	134.4	122.4	116.3
127.5°	170.5	170.5	176.5	186.5	188.5	182.5	174.5	166.5	160.5	144.4	138.4
130°	190.5	190.5	202.6	214.6	220.6	214.6	206.6	196.6	188.5	170.5	160.5
132.5°	206.6	208.6	222.6	238.7	246.7	244.7	234.7	226.7	218.6	196.6	184.5
135°	222.6	224.6	240.7	260.8	270.8	270.8	262.8	252.7	242.7	218.6	204.6
137.5°	230.7	232.7	252.7	272.8	284.8	288.8	284.8	274.8	264.8	238.7	220.6
140°	230.7	234.7	254.7	274.8	286.8	292.8	292.8	282.8	272.8	248.7	230.7
142.5°	224.6	228.7	246.7	266.8	278.8	286.8	288.8	280.8	270.8	246.7	228.7
145°	212.6	214.6	232.7	250.7	262.8	272.8	276.8	270.8	258.7	238.7	220.6
147.5°	192.6	192.6	208.6	222.6	238.7	248.7	254.7	250.7	240.7	222.6	206.6
150°	164.5	164.5	176.5	190.5	204.6	216.6	222.6	222.6	212.6	198.6	182.5
152.5°	130.4	132.4	140.4	152.4	166.5	176.5	184.5	184.5	178.5	166.5	152.4
155°	100.3	100.3	106.3	114.3	126.4	136.4	142.4	142.4	138.4	128.4	120.3
157.5°	72.2	72.2	76.2	84.2	92.3	100.3	106.3	106.3	102.3	96.3	90.3
160°	48.1	48.1	50.1	56.2	62.2	68.2	72.2	74.2	72.2	68.2	62.2
162.5°	26.1	26.1	28.1	32.1	36.1	42.1	44.1	46.1	46.1	42.1	40.1
165°	8.0	8.0	8.0	12.0	14.0	18.1	20.1	22.1	22.1	22.1	20.1
167.5°	2.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0	6.0	6.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	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	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2	4228.2
2.5°	3951.4	4099.8	4264.3	4432.8	4605.3	4767.7	4904.1	5012.4	5070.6	5084.6	5076.6
5°	3688.6	3863.1	4055.7	4252.2	4476.9	4735.6	4972.3	5142.8	5231.1	5245.1	5249.1
7.5°	3313.5	3466.0	3654.5	3881.2	4164.0	4440.8	4805.8	5060.6	5203.0	5241.1	5241.1
10°	2918.4	3052.8	3171.1	3369.7	3616.4	3875.2	4186.1	4420.7	4565.1	4611.3	4571.2
12.5°	2695.8	2753.9	2834.2	2980.6	3135.0	3331.6	3600.4	3752.8	3847.1	3875.2	3851.1
15°	2553.4	2583.4	2617.5	2679.7	2788.0	2910.4	3068.8	3163.1	3221.3	3255.4	3243.3
17.5°	2485.2	2485.2	2479.1	2493.2	2521.3	2577.4	2685.7	2719.8	2745.9	2759.9	2751.9
20°	2380.9	2348.8	2322.7	2282.6	2266.5	2264.5	2290.6	2326.7	2324.7	2326.7	2310.7
22.5°	2276.6	2210.4	2146.2	2086.0	2017.8	1983.7	1959.6	1971.7	1961.6	1971.7	1961.6
25°	2226.4	2092.0	1963.7	1817.2	1694.9	1600.6	1538.4	1500.3	1436.1	1460.2	1438.1
27.5°	1382.0	1325.8	1271.7	1163.3	1061.1	1025.0	994.9	978.8	966.8	972.8	968.8
30°	1197.4	1151.3	1109.2	1053.0	974.8	926.7	890.6	858.5	848.4	850.4	848.4
32.5°	1111.2	1075.1	1022.9	964.8	894.6	834.4	792.3	762.2	746.1	756.2	748.2
35°	994.9	958.8	914.6	860.5	800.3	746.1	706.0	678.0	659.9	663.9	661.9
37.5°	918.6	884.5	846.4	788.3	736.1	684.0	643.9	615.8	597.7	601.7	597.7
40°	874.5	836.4	796.3	744.1	692.0	637.8	599.7	567.6	549.6	549.6	549.6
42.5°	784.3	754.2	720.1	665.9	619.8	573.7	535.5	511.5	491.4	493.4	489.4
45°	669.9	647.9	621.8	585.7	547.6	511.5	479.4	461.3	445.3	447.3	445.3
47.5°	611.8	591.7	561.6	533.5	499.4	467.3	439.3	417.2	405.2	407.2	403.2
50°	589.7	565.6	531.5	493.4	461.3	429.2	401.2	385.1	373.1	375.1	373.1
52.5°	597.7	559.6	511.5	465.3	427.2	395.1	373.1	355.0	347.0	349.0	345.0
55°	649.9	583.7	511.5	453.3	405.2	369.1	347.0	326.9	318.9	318.9	318.9
57.5°	667.9	595.7	505.5	439.3	387.1	351.0	324.9	304.9	296.9	296.9	296.9
60°	625.8	563.6	481.4	419.2	371.1	337.0	314.9	300.9	294.8	294.8	294.8
62.5°	535.5	495.4	433.2	383.1	347.0	316.9	294.8	276.8	270.8	268.8	268.8
65°	485.4	447.3	395.1	353.0	320.9	296.9	276.8	262.8	254.7	254.7	254.7
67.5°	453.3	417.2	369.1	328.9	298.9	272.8	254.7	240.7	236.7	234.7	234.7
70°	417.2	383.1	335.0	298.9	270.8	248.7	230.7	218.6	214.6	214.6	212.6
72.5°	381.1	349.0	302.9	268.8	242.7	222.6	206.6	196.6	192.6	190.5	190.5
75°	347.0	314.9	272.8	240.7	216.6	198.6	184.5	174.5	170.5	170.5	170.5
77.5°	314.9	284.8	244.7	214.6	194.6	176.5	164.5	156.5	152.4	152.4	152.4
80°	284.8	254.7	218.6	190.5	170.5	156.5	146.4	138.4	134.4	136.4	134.4
82.5°	252.7	228.7	194.6	168.5	152.4	138.4	128.4	122.4	118.3	120.3	118.3
85°	226.7	202.6	170.5	148.4	132.4	120.3	112.3	106.3	102.3	104.3	102.3
87.5°	200.6	178.5	150.4	130.4	116.3	106.3	96.3	92.3	90.3	90.3	88.3
90°	172.5	152.4	128.4	112.3	98.3	90.3	82.2	78.2	76.2	74.2	74.2
92.5°	152.4	136.4	114.3	100.3	88.3	82.2	74.2	70.2	68.2	68.2	68.2
95°	134.4	120.3	102.3	90.3	82.2	74.2	68.2	66.2	64.2	64.2	62.2
97.5°	116.3	104.3	92.3	82.2	74.2	68.2	62.2	60.2	58.2	58.2	58.2
100°	98.3	90.3	80.2	72.2	66.2	62.2	56.2	54.2	52.2	52.2	52.2
102.5°	82.2	76.2	68.2	62.2	58.2	54.2	50.1	48.1	46.1	46.1	46.1
105°	72.2	66.2	62.2	56.2	52.2	48.1	46.1	42.1	40.1	40.1	40.1
107.5°	66.2	62.2	58.2	54.2	50.1	46.1	42.1	38.1	36.1	36.1	36.1
110°	64.2	60.2	56.2	52.2	48.1	44.1	42.1	36.1	34.1	34.1	34.1

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CATALOG NUMBER: CRTK2-C018-D-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	64.2	62.2	58.2	54.2	50.1	46.1	42.1	34.1	32.1	32.1	32.1
115°	68.2	64.2	60.2	56.2	52.2	48.1	44.1	34.1	32.1	32.1	32.1
117.5°	74.2	70.2	64.2	60.2	56.2	50.1	44.1	36.1	32.1	32.1	32.1
120°	84.2	78.2	72.2	66.2	60.2	54.2	46.1	36.1	30.1	32.1	32.1
122.5°	96.3	90.3	80.2	72.2	66.2	58.2	48.1	38.1	30.1	32.1	32.1
125°	112.3	104.3	92.3	82.2	72.2	62.2	50.1	38.1	30.1	32.1	34.1
127.5°	130.4	118.3	104.3	90.3	78.2	66.2	54.2	40.1	30.1	34.1	34.1
130°	150.4	136.4	118.3	100.3	86.2	70.2	56.2	40.1	32.1	32.1	32.1
132.5°	172.5	152.4	128.4	108.3	90.3	72.2	56.2	40.1	32.1	32.1	32.1
135°	188.5	164.5	138.4	114.3	94.3	74.2	58.2	40.1	30.1	30.1	30.1
137.5°	202.6	174.5	146.4	118.3	96.3	74.2	56.2	38.1	30.1	28.1	28.1
140°	210.6	178.5	146.4	118.3	94.3	72.2	52.2	36.1	26.1	26.1	26.1
142.5°	210.6	176.5	144.4	114.3	88.3	68.2	50.1	32.1	24.1	24.1	24.1
145°	202.6	168.5	136.4	108.3	82.2	62.2	44.1	30.1	22.1	22.1	22.1
147.5°	188.5	154.4	124.4	98.3	72.2	54.2	38.1	24.1	18.1	18.1	18.1
150°	168.5	136.4	108.3	84.2	62.2	44.1	32.1	20.1	14.0	14.0	14.0
152.5°	140.4	114.3	88.3	70.2	50.1	36.1	24.1	16.0	12.0	12.0	12.0
155°	110.3	90.3	70.2	54.2	38.1	26.1	18.1	12.0	8.0	8.0	8.0
157.5°	84.2	68.2	52.2	40.1	28.1	20.1	14.0	8.0	6.0	6.0	6.0
160°	58.2	46.1	36.1	28.1	18.1	14.0	10.0	6.0	4.0	4.0	4.0
162.5°	38.1	30.1	22.1	16.0	12.0	8.0	6.0	4.0	2.0	2.0	2.0
165°	18.1	14.0	12.0	8.0	6.0	4.0	2.0	2.0	0.0	0.0	0.0
167.5°	6.0	4.0	4.0	2.0	2.0	2.0	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	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	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	0.0

(END OF REPORT)