

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: P691958

Luminaire Tested: **CRTK2-C01HO-D-U-T2-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8199 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 79
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



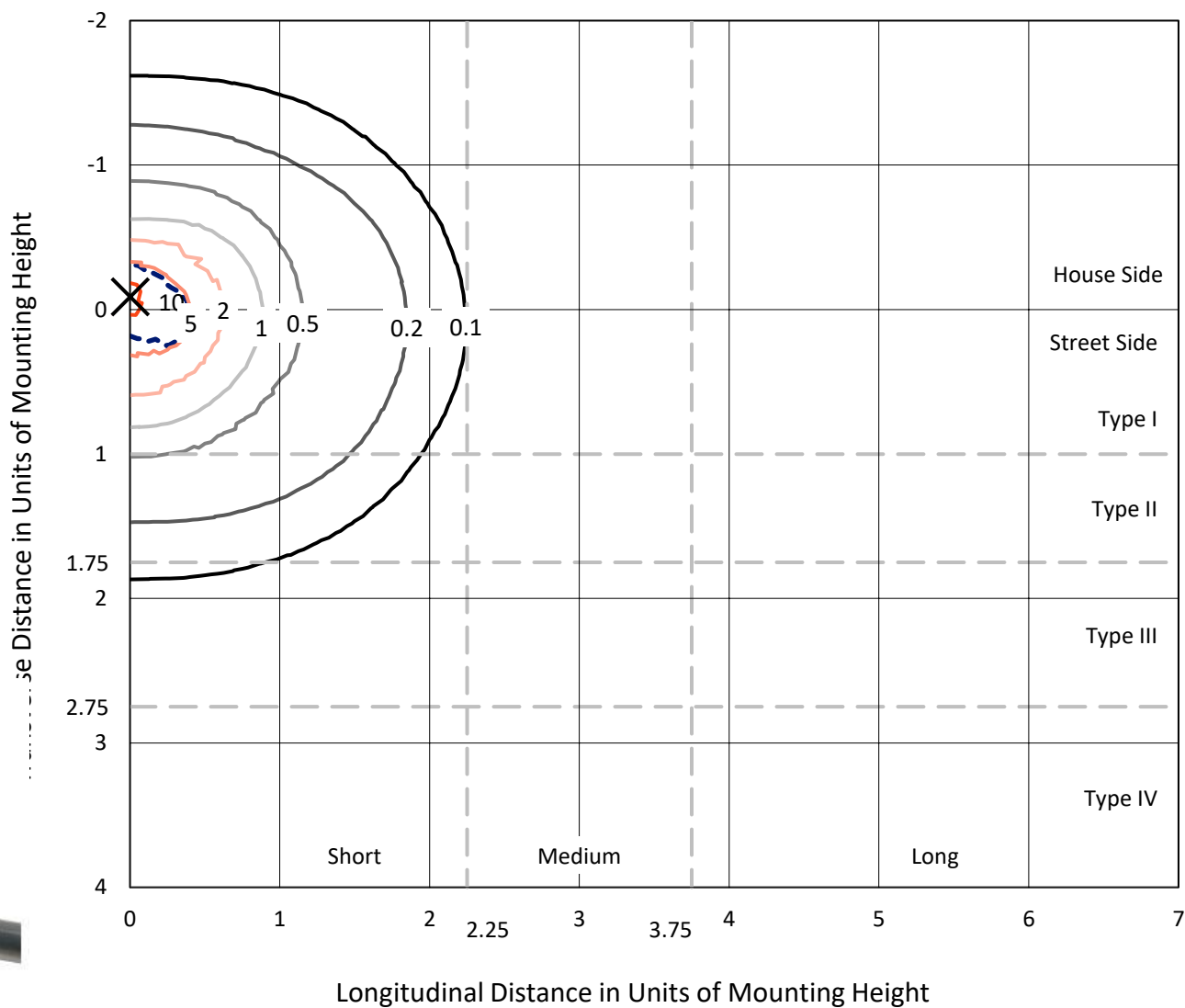
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

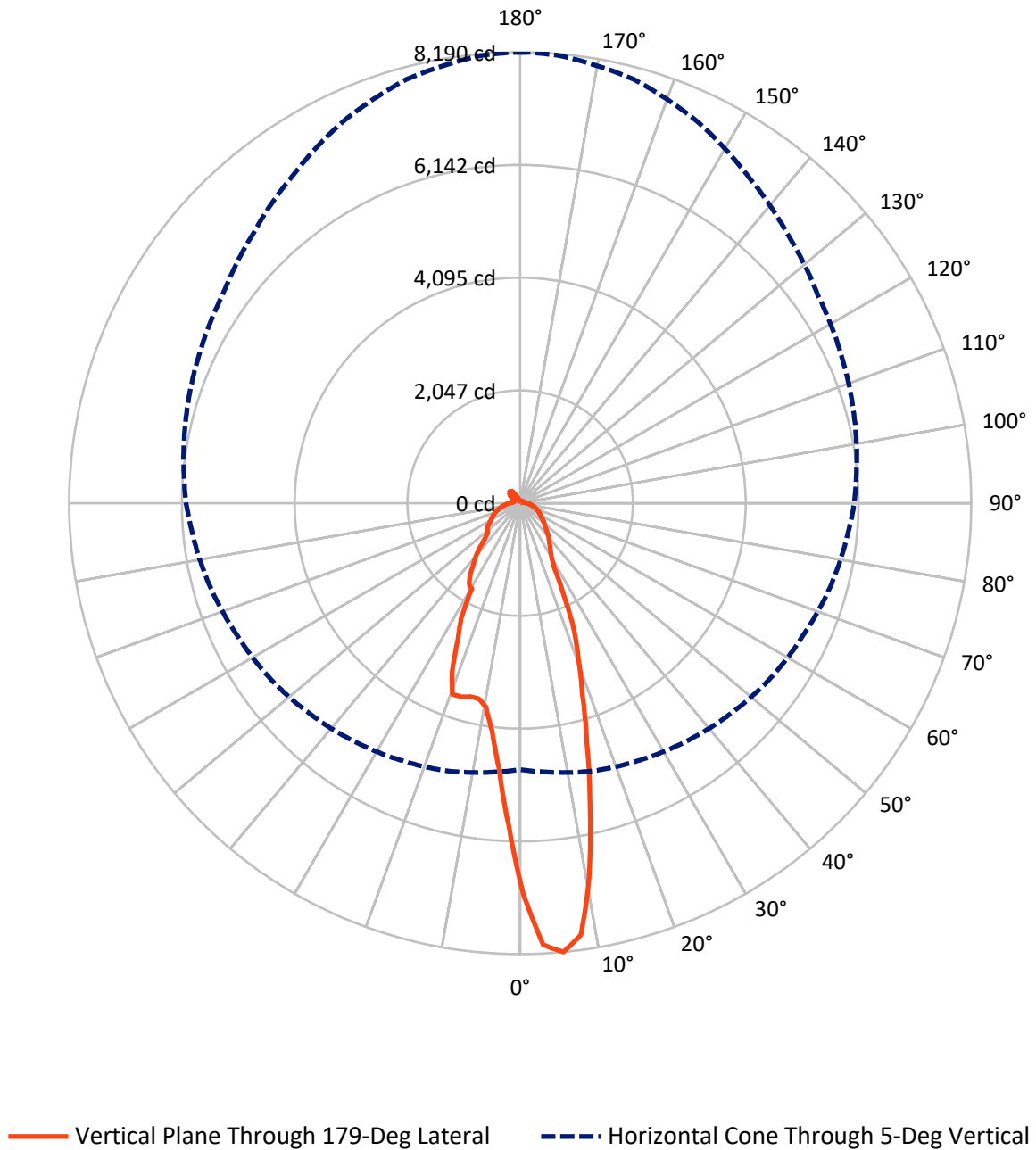


Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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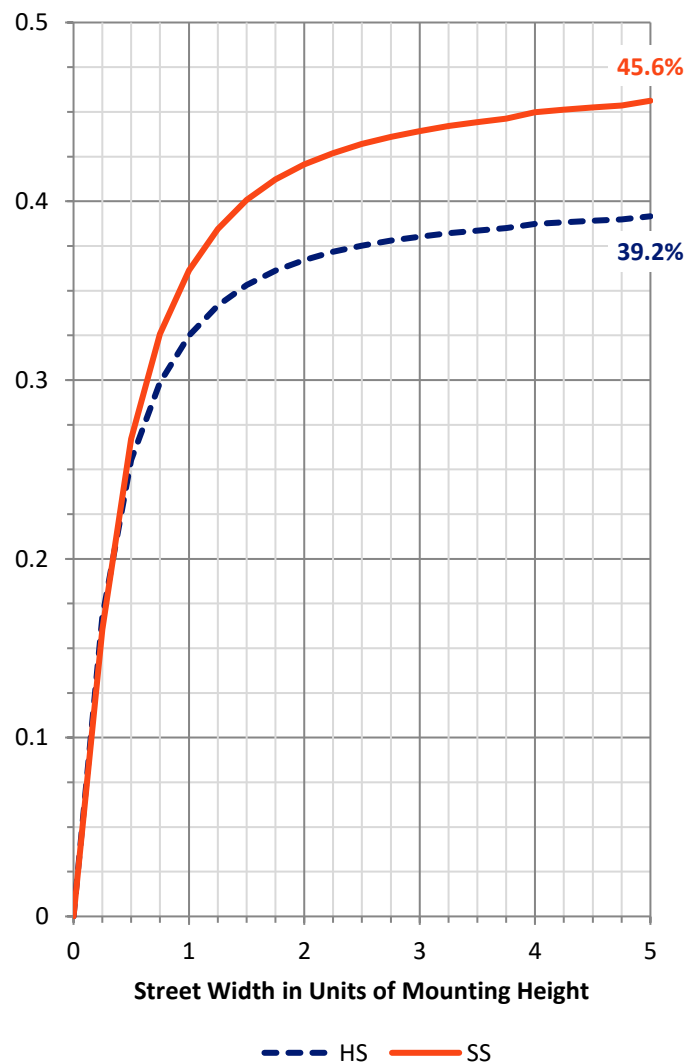
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3299.4	401.2	3700.5
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	3829.6	668.9	4498.5
	% Fixture	46.7	8.2	54.9
Total	Lumens	7128.9	1070.1	8199.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.2	6.8
10°-20°	1186.7	14.5
20°-30°	1289.2	15.7
30°-40°	954.2	11.6
40°-50°	799.2	9.7
50°-60°	803.4	9.8
60°-70°	684.0	8.3
70°-80°	511.0	6.2
80°-90°	344.9	4.2
90°-100°	206.1	2.5
100°-110°	119.1	1.5
110°-120°	109.6	1.3
120°-130°	158.5	1.9
130°-140°	217.0	2.6
140°-150°	178.8	2.2
150°-160°	72.0	0.9
160°-170°	8.9	0.1
170°-180°	0.0	0.0
0°-90°	7128.9	86.9
0°-180°	8199.0	100.0

Coefficient of Utilization



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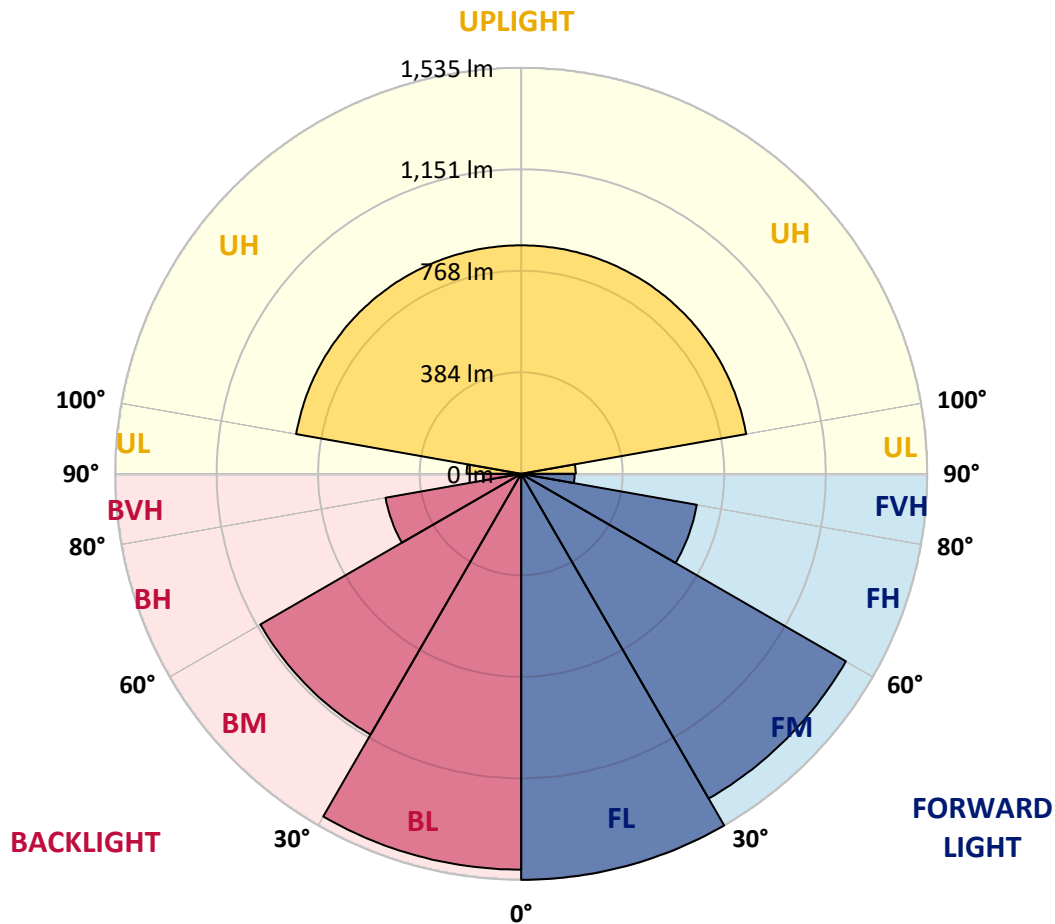
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1535.3	18.7			
FM	(30°-60°)	1417.9	17.3			
FH	(60°-80°)	674.4	8.2			G1/1800
FVH	(80°-90°)	202.0	2.5			G2/225
BL	(0°-30°)	1496.9	18.3	B3/2500		
BM	(30°-60°)	1138.9	13.9	B2/2500		
BH	(60°-80°)	520.6	6.3	B2/1000		G2/1000
BVH	(80°-90°)	143.0	1.7			G2/225
UL	(90°-100°)	206.1	2.5		U3/500	
UH	(100°-180°)	863.9	10.5		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7
2.5°	5865.4	5898.2	5970.6	6006.7	6042.9	6088.9	6158.0	6210.6	6332.2	6444.0	6490.0
5°	4839.6	4898.8	5036.8	5148.6	5273.6	5405.1	5546.4	5671.4	5832.5	5980.4	6065.9
7.5°	4159.0	4208.3	4372.7	4589.7	4810.0	4994.1	5138.8	5234.1	5306.4	5365.6	5428.1
10°	3744.8	3787.5	3951.9	4145.9	4333.3	4504.2	4625.9	4717.9	4744.2	4803.4	4833.0
12.5°	3626.4	3646.1	3761.2	3896.0	4011.1	4178.7	4323.4	4422.0	4464.8	4517.4	4533.8
15°	3629.7	3629.7	3695.4	3780.9	3886.1	4014.4	4175.5	4293.8	4356.3	4385.9	4382.6
17.5°	3679.0	3675.7	3705.3	3774.3	3863.1	3991.3	4155.7	4277.4	4349.7	4359.6	4349.7
20°	3679.0	3682.3	3692.2	3771.1	3856.5	3971.6	4139.3	4241.2	4297.1	4267.5	4234.6
22.5°	3304.2	3300.9	3386.4	3554.1	3784.2	4024.2	4175.5	4300.4	4313.5	4205.0	4116.3
25°	2728.8	2705.8	2755.1	2830.8	2985.3	3264.7	3580.4	4053.8	4336.6	4274.1	4139.3
27.5°	2367.2	2337.6	2380.3	2347.5	2331.0	2311.3	2291.6	2235.7	2271.8	2304.7	2449.4
30°	1785.3	1791.8	1801.7	1821.4	1860.9	1939.8	2022.0	2071.3	2114.0	2199.5	2189.6
32.5°	1745.8	1742.5	1745.8	1765.5	1785.3	1834.6	1883.9	1910.2	1943.1	2025.3	2005.5
35°	1614.3	1607.7	1630.7	1640.6	1637.3	1650.5	1699.8	1729.4	1759.0	1811.6	1791.8
37.5°	1420.3	1426.9	1476.2	1502.5	1512.4	1542.0	1581.4	1607.7	1643.9	1683.3	1673.5
40°	1275.7	1272.4	1325.0	1361.1	1384.1	1430.2	1489.4	1528.8	1588.0	1620.9	1597.9
42.5°	1098.1	1111.3	1150.7	1186.9	1193.5	1216.5	1269.1	1315.1	1387.4	1436.8	1423.6
45°	923.9	933.7	966.6	996.2	1019.2	1048.8	1088.2	1127.7	1186.9	1226.3	1223.0
47.5°	815.4	825.2	851.5	887.7	920.6	963.3	1002.8	1042.2	1098.1	1127.7	1117.8
50°	772.6	779.2	808.8	848.2	897.6	950.2	1002.8	1045.5	1098.1	1117.8	1101.4
52.5°	769.3	769.3	805.5	864.7	933.7	1006.1	1075.1	1134.3	1183.6	1183.6	1150.7
55°	723.3	729.9	775.9	854.8	960.0	1078.4	1200.0	1311.8	1377.6	1364.4	1302.0
57.5°	657.6	660.8	710.2	785.8	897.6	1042.2	1206.6	1348.0	1426.9	1443.3	1377.6
60°	618.1	621.4	654.3	726.6	821.9	937.0	1088.2	1200.0	1278.9	1328.3	1275.7
62.5°	585.2	585.2	618.1	667.4	746.3	831.8	917.3	992.9	1055.4	1091.5	1061.9
65°	549.1	549.1	572.1	618.1	680.6	762.8	828.5	884.4	940.3	966.6	940.3
67.5°	512.9	512.9	535.9	578.6	634.5	703.6	769.3	821.9	877.8	897.6	877.8
70°	476.7	476.7	499.7	535.9	588.5	654.3	703.6	759.5	812.1	825.2	808.8
72.5°	440.6	440.6	463.6	496.5	542.5	604.9	651.0	693.7	743.0	752.9	736.5
75°	407.7	407.7	424.1	457.0	499.7	555.6	601.7	641.1	680.6	680.6	667.4
77.5°	371.5	374.8	388.0	417.5	457.0	509.6	552.3	588.5	621.4	621.4	604.9
80°	335.4	338.6	351.8	378.1	414.3	463.6	503.0	535.9	565.5	565.5	549.1
82.5°	299.2	302.5	315.6	338.6	371.5	417.5	457.0	489.9	516.2	512.9	496.5
85°	266.3	269.6	279.5	299.2	328.8	374.8	411.0	440.6	463.6	460.3	447.1
87.5°	233.4	236.7	246.6	263.0	289.3	332.1	368.2	394.5	414.3	411.0	397.8
90°	203.8	203.8	213.7	230.1	253.2	289.3	322.2	345.2	364.9	358.4	345.2
92.5°	177.5	180.8	187.4	200.6	220.3	253.2	282.7	302.5	322.2	318.9	305.8
95°	157.8	157.8	164.4	174.3	190.7	217.0	246.6	263.0	276.2	276.2	266.3
97.5°	138.1	141.4	144.7	151.2	164.4	184.1	207.1	223.6	233.4	233.4	226.9
100°	124.9	128.2	128.2	134.8	141.4	154.5	171.0	184.1	194.0	194.0	190.7
102.5°	118.4	118.4	118.4	121.6	124.9	131.5	141.4	147.9	154.5	157.8	154.5
105°	111.8	111.8	111.8	115.1	115.1	121.6	124.9	131.5	134.8	134.8	131.5
107.5°	108.5	108.5	111.8	111.8	111.8	115.1	121.6	121.6	124.9	121.6	121.6
110°	111.8	111.8	111.8	111.8	111.8	115.1	118.4	118.4	118.4	118.4	115.1

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CATALOG NUMBER: CRTK2-C01HO-D-U-T2-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	115.1	115.1	115.1	115.1	118.4	118.4	118.4	121.6	121.6	118.4	118.4
115°	124.9	124.9	124.9	124.9	124.9	128.2	128.2	128.2	128.2	124.9	121.6
117.5°	134.8	134.8	134.8	138.1	138.1	141.4	138.1	141.4	138.1	134.8	134.8
120°	151.2	151.2	154.5	157.8	161.1	161.1	157.8	161.1	161.1	154.5	151.2
122.5°	171.0	171.0	174.3	184.1	187.4	190.7	187.4	187.4	187.4	180.8	177.5
125°	190.7	194.0	200.6	213.7	223.6	230.1	223.6	226.9	226.9	217.0	213.7
127.5°	213.7	217.0	230.1	249.9	266.3	272.9	269.6	272.9	276.2	259.7	253.2
130°	236.7	236.7	256.4	286.0	309.0	318.9	322.2	325.5	328.8	312.3	299.2
132.5°	256.4	256.4	282.7	318.9	348.5	364.9	371.5	378.1	384.7	361.7	345.2
135°	269.6	272.9	305.8	348.5	384.7	407.7	417.5	424.1	434.0	407.7	388.0
137.5°	279.5	286.0	318.9	364.9	404.4	437.3	457.0	466.9	473.4	447.1	420.8
140°	282.7	286.0	322.2	368.2	407.7	443.8	473.4	489.9	493.2	466.9	440.6
142.5°	272.9	279.5	312.3	358.4	397.8	437.3	470.1	486.6	489.9	466.9	440.6
145°	259.7	263.0	292.6	335.4	374.8	417.5	453.7	470.1	470.1	450.4	424.1
147.5°	236.7	240.0	266.3	302.5	341.9	384.7	420.8	437.3	440.6	420.8	397.8
150°	203.8	207.1	226.9	256.4	295.9	338.6	371.5	391.2	391.2	371.5	355.1
152.5°	164.4	167.7	184.1	207.1	240.0	279.5	309.0	328.8	328.8	315.6	295.9
155°	128.2	128.2	141.4	161.1	184.1	213.7	236.7	253.2	256.4	243.3	230.1
157.5°	92.1	92.1	101.9	118.4	138.1	161.1	177.5	190.7	190.7	180.8	174.3
160°	62.5	62.5	69.0	78.9	92.1	108.5	121.6	134.8	134.8	128.2	121.6
162.5°	32.9	32.9	39.5	46.0	55.9	69.0	75.6	85.5	85.5	82.2	78.9
165°	9.9	9.9	13.2	16.4	23.0	29.6	32.9	39.5	42.7	39.5	36.2
167.5°	0.0	0.0	3.3	3.3	3.3	3.3	6.6	9.9	9.9	9.9	9.9
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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7	7114.7
2.5°	6539.4	6746.5	6933.9	7127.9	7367.9	7578.3	7805.1	7966.2	8035.3	8035.3	8061.6
5°	6128.4	6273.0	6424.3	6595.2	6881.3	7233.1	7637.5	7969.5	8160.2	8189.8	8186.5
7.5°	5447.8	5546.4	5701.0	5891.7	6154.7	6470.3	6989.8	7509.2	7854.5	7916.9	7893.9
10°	4849.4	4941.5	5033.6	5105.9	5293.3	5543.2	5924.5	6430.9	6828.7	6891.1	6841.8
12.5°	4543.7	4573.3	4570.0	4612.7	4688.3	4813.3	5007.3	5299.9	5572.7	5631.9	5589.2
15°	4382.6	4339.8	4274.1	4198.5	4191.9	4211.6	4260.9	4379.3	4494.4	4543.7	4510.8
17.5°	4316.8	4214.9	4080.1	3932.2	3833.5	3741.5	3679.0	3639.5	3656.0	3659.3	3633.0
20°	4162.3	4040.7	3823.7	3613.2	3455.4	3294.3	3156.2	3054.3	3037.9	3021.4	3001.7
22.5°	3988.1	3780.9	3521.2	3264.7	3031.3	2817.6	2663.1	2541.4	2495.4	2511.8	2502.0
25°	3951.9	3606.7	3291.0	2876.8	2580.9	2340.9	2051.6	1854.3	1765.5	1814.8	1782.0
27.5°	2370.5	2380.3	2202.8	1952.9	1739.2	1597.9	1469.6	1364.4	1305.2	1305.2	1311.8
30°	2146.9	2051.6	1933.2	1778.7	1591.3	1449.9	1308.5	1193.5	1131.0	1114.5	1121.1
32.5°	1962.8	1897.0	1785.3	1637.3	1466.3	1321.7	1173.7	1068.5	1009.3	1006.1	1002.8
35°	1765.5	1696.5	1604.4	1476.2	1328.3	1193.5	1065.2	973.2	920.6	923.9	923.9
37.5°	1630.7	1568.3	1486.1	1364.4	1229.6	1094.8	979.8	894.3	851.5	851.5	848.2
40°	1561.7	1489.4	1400.6	1288.8	1163.9	1022.5	914.0	831.8	795.6	795.6	792.3
42.5°	1410.4	1348.0	1288.8	1173.7	1048.8	933.7	831.8	759.5	723.3	723.3	723.3
45°	1196.7	1160.6	1114.5	1035.6	933.7	838.4	752.9	683.9	654.3	651.0	651.0
47.5°	1104.7	1065.2	1009.3	937.0	854.8	766.0	683.9	634.5	604.9	604.9	604.9
50°	1078.4	1032.4	956.7	871.3	785.8	706.9	634.5	588.5	562.2	562.2	565.5
52.5°	1114.5	1038.9	937.0	831.8	743.0	654.3	591.8	545.8	526.0	526.0	522.8
55°	1239.5	1098.1	950.2	821.9	710.2	614.8	549.1	499.7	476.7	476.7	476.7
57.5°	1308.5	1140.9	960.0	808.8	680.6	585.2	516.2	463.6	440.6	440.6	440.6
60°	1229.6	1091.5	920.6	782.5	657.6	558.9	486.6	437.3	414.3	411.0	407.7
62.5°	1029.1	943.6	821.9	706.9	608.2	522.8	463.6	414.3	391.2	391.2	388.0
65°	917.3	845.0	739.7	641.1	558.9	486.6	430.7	391.2	368.2	364.9	364.9
67.5°	854.8	789.1	683.9	591.8	516.2	450.4	397.8	361.7	345.2	338.6	338.6
70°	785.8	713.4	621.4	539.2	470.1	411.0	368.2	332.1	315.6	312.3	309.0
72.5°	716.7	651.0	565.5	486.6	424.1	374.8	335.4	302.5	286.0	282.7	282.7
75°	644.4	581.9	499.7	434.0	381.4	335.4	299.2	272.9	259.7	256.4	253.2
77.5°	585.2	529.3	450.4	388.0	338.6	302.5	269.6	246.6	233.4	233.4	230.1
80°	529.3	476.7	401.1	345.2	302.5	266.3	240.0	220.3	210.4	207.1	207.1
82.5°	476.7	424.1	355.1	305.8	266.3	236.7	210.4	194.0	184.1	184.1	184.1
85°	427.4	378.1	315.6	269.6	233.4	207.1	184.1	167.7	161.1	157.8	161.1
87.5°	378.1	332.1	279.5	236.7	203.8	177.5	157.8	144.7	138.1	138.1	138.1
90°	332.1	289.3	240.0	200.6	174.3	151.2	134.8	121.6	118.4	115.1	115.1
92.5°	292.6	256.4	213.7	180.8	154.5	138.1	121.6	111.8	105.2	105.2	105.2
95°	256.4	223.6	190.7	161.1	141.4	124.9	111.8	101.9	98.6	98.6	98.6
97.5°	220.3	194.0	167.7	144.7	128.2	115.1	101.9	95.3	92.1	88.8	92.1
100°	184.1	164.4	144.7	128.2	115.1	101.9	92.1	85.5	82.2	82.2	82.2
102.5°	147.9	138.1	121.6	108.5	98.6	92.1	82.2	75.6	72.3	72.3	72.3
105°	128.2	118.4	108.5	98.6	92.1	82.2	75.6	69.0	65.8	65.8	65.8
107.5°	118.4	111.8	101.9	95.3	85.5	78.9	72.3	62.5	59.2	59.2	59.2
110°	115.1	108.5	101.9	92.1	85.5	78.9	72.3	59.2	55.9	55.9	55.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	115.1	108.5	101.9	95.3	88.8	78.9	72.3	59.2	52.6	52.6	52.6
115°	121.6	115.1	108.5	101.9	92.1	82.2	75.6	59.2	52.6	52.6	52.6
117.5°	131.5	124.9	118.4	108.5	98.6	88.8	75.6	59.2	55.9	55.9	55.9
120°	147.9	141.4	131.5	121.6	108.5	95.3	82.2	62.5	52.6	55.9	55.9
122.5°	171.0	164.4	151.2	134.8	121.6	105.2	85.5	65.8	49.3	55.9	55.9
125°	203.8	194.0	174.3	154.5	134.8	115.1	92.1	69.0	52.6	59.2	59.2
127.5°	240.0	226.9	200.6	174.3	151.2	124.9	98.6	72.3	55.9	59.2	59.2
130°	282.7	259.7	226.9	194.0	164.4	134.8	105.2	75.6	59.2	59.2	59.2
132.5°	325.5	292.6	249.9	213.7	177.5	141.4	108.5	75.6	59.2	59.2	59.2
135°	361.7	322.2	272.9	226.9	184.1	144.7	111.8	75.6	59.2	59.2	59.2
137.5°	394.5	341.9	286.0	233.4	187.4	144.7	108.5	75.6	55.9	55.9	55.9
140°	411.0	351.8	292.6	233.4	184.1	141.4	101.9	69.0	52.6	52.6	52.6
142.5°	411.0	348.5	286.0	226.9	177.5	134.8	95.3	65.8	46.0	49.3	49.3
145°	397.8	335.4	272.9	213.7	164.4	121.6	85.5	55.9	42.7	42.7	42.7
147.5°	368.2	309.0	249.9	194.0	147.9	105.2	75.6	49.3	36.2	32.9	36.2
150°	328.8	272.9	217.0	167.7	124.9	88.8	62.5	39.5	29.6	29.6	29.6
152.5°	276.2	226.9	180.8	138.1	98.6	69.0	46.0	29.6	23.0	23.0	23.0
155°	217.0	177.5	141.4	105.2	75.6	52.6	36.2	23.0	16.4	16.4	16.4
157.5°	164.4	134.8	105.2	75.6	55.9	39.5	26.3	16.4	13.2	13.2	13.2
160°	115.1	92.1	72.3	52.6	36.2	26.3	16.4	9.9	6.6	6.6	6.6
162.5°	72.3	59.2	46.0	29.6	23.0	16.4	9.9	6.6	3.3	3.3	3.3
165°	32.9	29.6	19.7	13.2	9.9	6.6	3.3	3.3	0.0	0.0	0.0
167.5°	9.9	6.6	6.6	3.3	3.3	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	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)