

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: P690900

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T5R-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7657 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 60
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



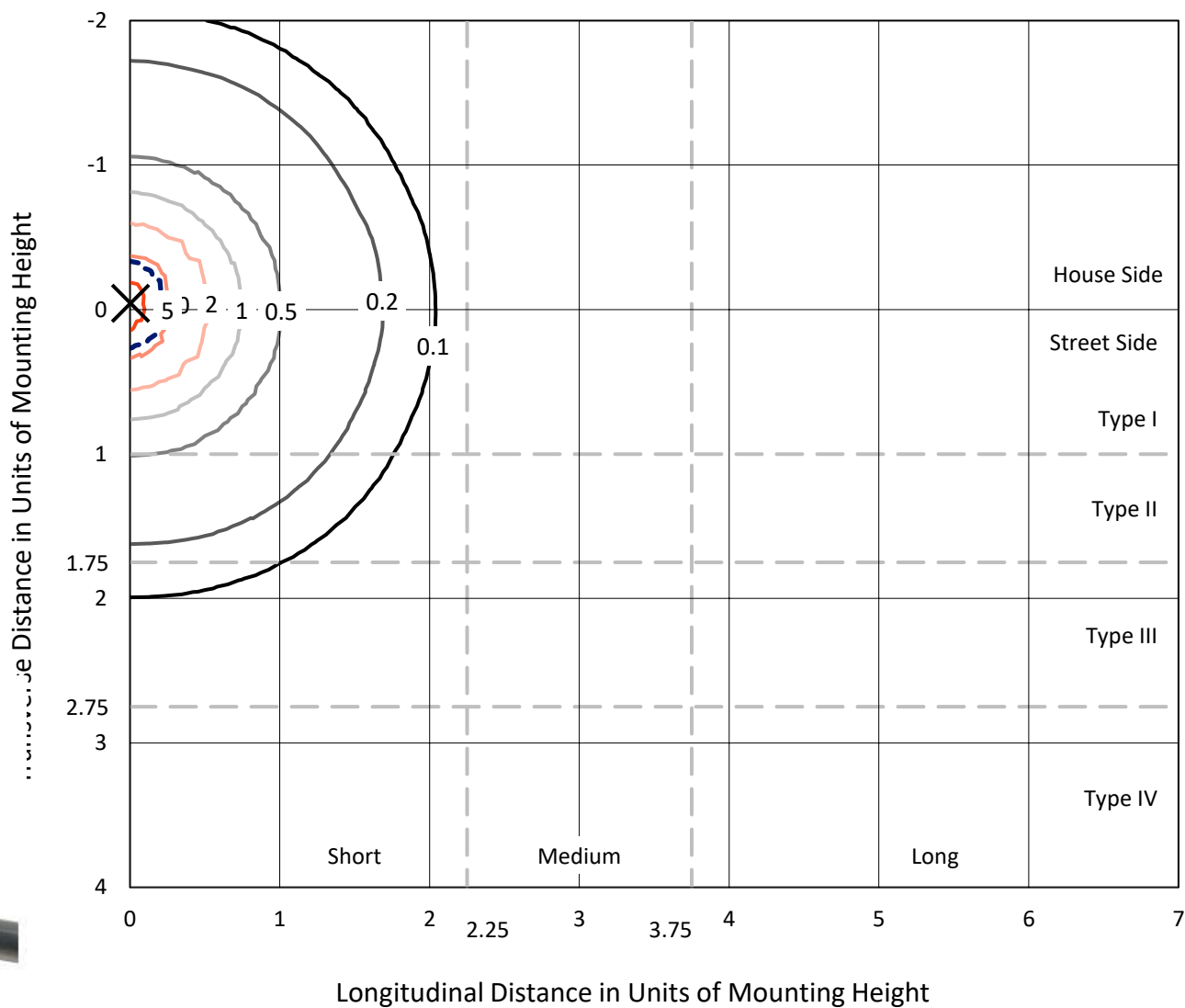
REPORT NUMBER: P690900

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

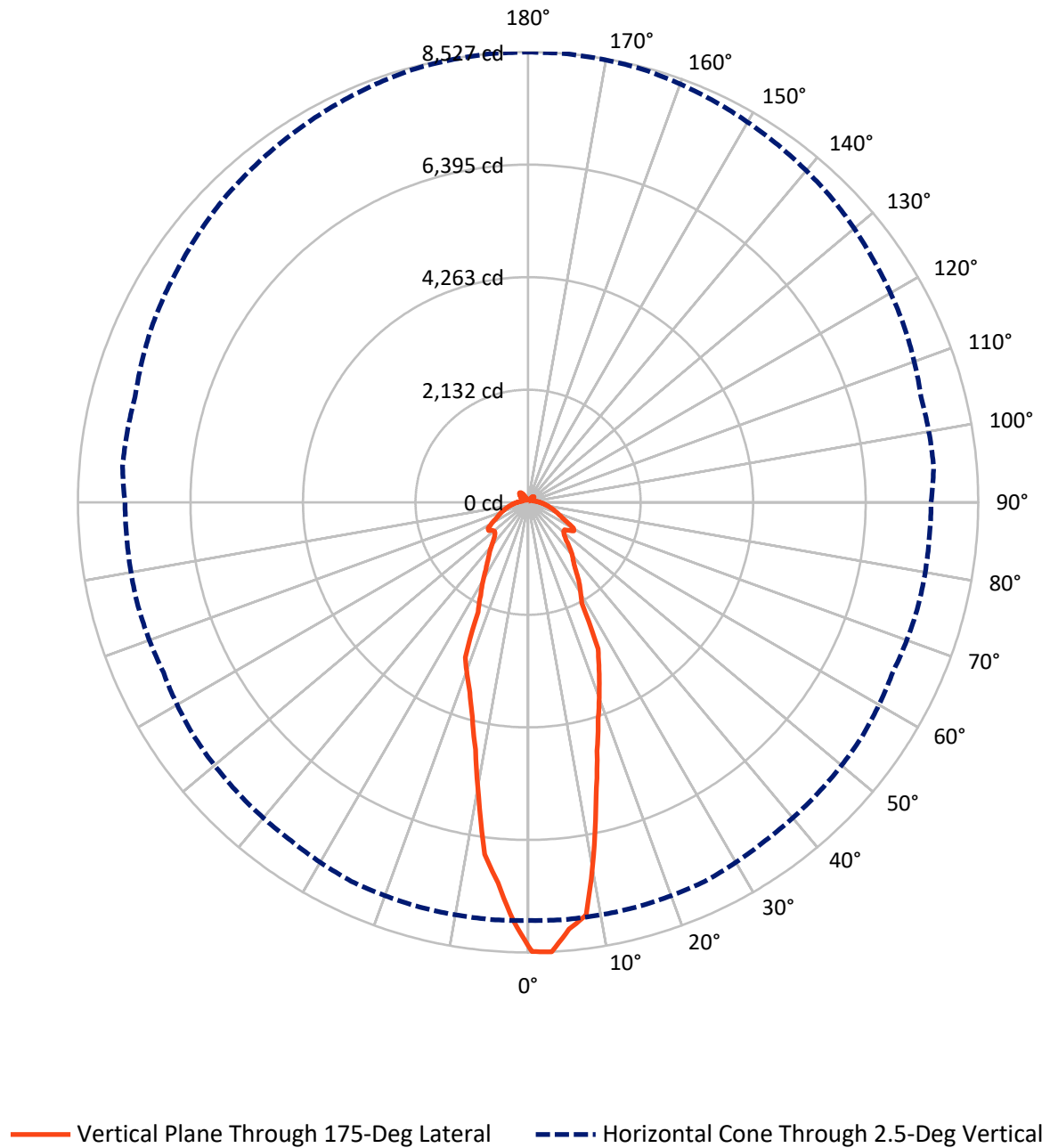


Based on 25 foot mounting height. Maximum calculated value = 13.6 fc
 Type V - Short - N/A

REPORT NUMBER: P690900

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Luminous Intensity Polar Plot



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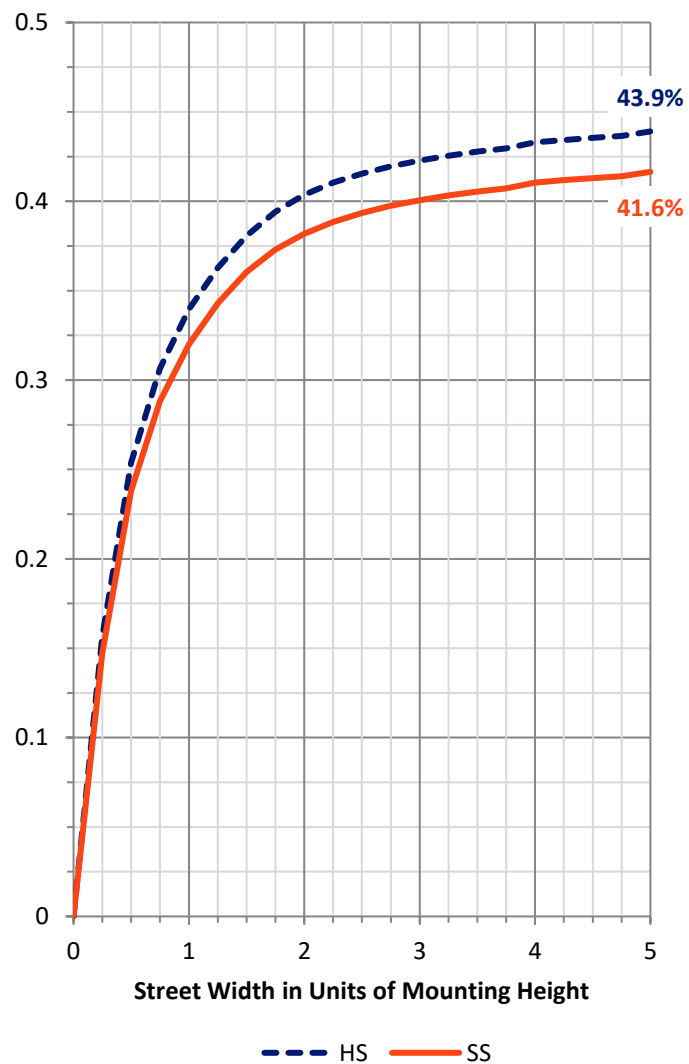
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3465.4	457.8	3923.2
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3263.9	469.9	3733.8
	% Fixture	42.6	6.1	48.8
Total	Lumens	6729.4	927.7	7657.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.5	8.3
10°-20°	1111.9	14.5
20°-30°	1102.6	14.4
30°-40°	849.9	11.1
40°-50°	728.7	9.5
50°-60°	814.9	10.6
60°-70°	698.2	9.1
70°-80°	480.5	6.3
80°-90°	309.3	4.0
90°-100°	185.3	2.4
100°-110°	110.3	1.4
110°-120°	102.0	1.3
120°-130°	145.6	1.9
130°-140°	188.2	2.5
140°-150°	139.3	1.8
150°-160°	50.9	0.7
160°-170°	5.9	0.1
170°-180°	0.0	0.0
0°-90°	6729.4	87.9
0°-180°	7657.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690900

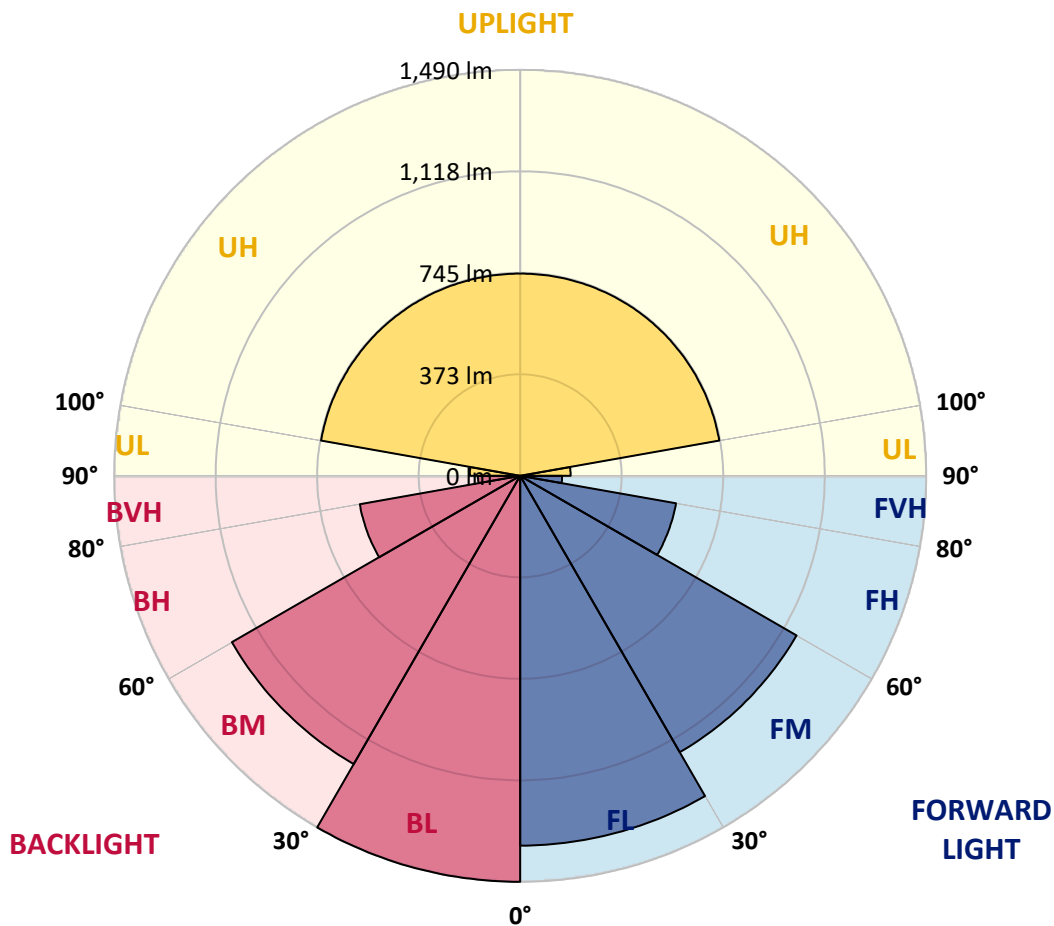
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1357.4	17.7			
FM	(30°-60°)	1171.5	15.3			
FH	(60°-80°)	580.8	7.6			G0/660
FVH	(80°-90°)	154.2	2.0			G2/225
BL	(0°-30°)	1490.5	19.5	B3/2500		
BM	(30°-60°)	1222.0	16.0	B2/2500		
BH	(60°-80°)	597.8	7.8	B2/1000		G0/660
BVH	(80°-90°)	155.1	2.0			G2/225
UL	(90°-100°)	185.3	2.4		U3/500	
UH	(100°-180°)	742.3	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short



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CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-RMARROA5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2
2.5°	7921.6	7933.1	7936.0	7921.6	7826.5	7777.6	7725.7	7622.0	7645.1	7630.6	7633.5
5°	7184.2	7230.2	7158.2	7138.1	6994.0	6887.5	6783.8	6671.4	6645.5	6599.4	6616.7
7.5°	6694.5	6720.4	6602.3	6481.3	6250.9	6086.7	5913.8	5741.0	5611.4	5562.4	5582.6
10°	5573.9	5660.3	5542.2	5418.4	5199.4	5003.6	4822.1	4652.1	4534.0	4496.6	4502.3
12.5°	4738.5	4787.5	4686.7	4603.2	4358.3	4171.1	4004.0	3845.6	3750.5	3710.2	3710.2
15°	4185.5	4205.6	4127.9	3966.6	3782.2	3612.2	3471.1	3355.9	3278.1	3263.7	3269.5
17.5°	3767.8	3767.8	3690.0	3563.3	3422.1	3272.3	3174.4	3088.0	3053.4	3064.9	3067.8
20°	3453.8	3456.7	3387.6	3263.7	3142.7	3007.3	2926.7	2866.2	2846.0	2866.2	2869.1
22.5°	3157.1	3171.5	3096.6	3004.4	2871.9	2765.4	2699.1	2632.8	2621.3	2630.0	2630.0
25°	2284.3	2284.3	2258.4	2186.4	2215.2	2226.7	2304.5	2471.5	2437.0	2468.7	2465.8
27.5°	1970.3	1981.8	1930.0	1866.6	1800.4	1722.6	1708.2	1693.8	1679.4	1745.6	1768.7
30°	1739.9	1745.6	1702.4	1659.2	1604.5	1561.3	1549.8	1549.8	1535.3	1587.2	1584.3
32.5°	1520.9	1512.3	1500.8	1460.5	1425.9	1388.4	1397.1	1391.3	1391.3	1437.4	1440.3
35°	1348.1	1345.2	1336.6	1307.8	1273.2	1244.4	1253.1	1258.8	1255.9	1284.7	1284.7
37.5°	1221.4	1224.2	1218.5	1207.0	1172.4	1149.4	1155.1	1149.4	1158.0	1178.2	1178.2
40°	1097.5	1097.5	1100.4	1097.5	1074.5	1065.8	1083.1	1074.5	1094.6	1109.0	1103.3
42.5°	979.4	982.3	988.0	982.3	967.9	959.2	967.9	970.8	999.6	1019.7	1016.8
45°	904.5	904.5	907.4	904.5	893.0	884.3	884.3	875.7	895.9	907.4	904.5
47.5°	855.5	855.5	861.3	858.4	852.7	844.0	838.2	826.7	835.4	844.0	835.4
50°	838.2	838.2	849.8	849.8	846.9	838.2	829.6	815.2	818.1	823.8	812.3
52.5°	864.2	864.2	884.3	893.0	893.0	878.6	867.1	846.9	846.9	852.7	835.4
55°	918.9	918.9	950.6	967.9	970.8	970.8	956.4	936.2	939.1	950.6	933.3
57.5°	898.7	901.6	927.5	950.6	965.0	973.6	973.6	962.1	970.8	999.6	990.9
60°	803.7	809.4	826.7	846.9	872.8	881.5	881.5	878.6	893.0	927.5	927.5
62.5°	714.4	717.3	725.9	743.2	757.6	763.4	763.4	751.8	769.1	786.4	780.6
65°	645.2	642.4	659.7	674.1	682.7	691.3	682.7	671.2	679.8	691.3	688.5
67.5°	587.6	587.6	602.0	613.6	619.3	628.0	622.2	616.4	628.0	633.7	628.0
70°	532.9	535.8	547.3	556.0	561.7	570.4	561.7	558.8	570.4	576.1	573.2
72.5°	478.2	481.1	489.7	501.2	507.0	509.9	507.0	504.1	512.7	518.5	518.5
75°	429.2	432.1	437.8	449.4	449.4	455.1	452.3	449.4	458.0	463.8	463.8
77.5°	383.1	388.9	391.8	400.4	403.3	406.2	403.3	403.3	409.0	414.8	417.7
80°	342.8	345.7	348.5	357.2	357.2	360.1	357.2	357.2	363.0	371.6	371.6
82.5°	305.3	308.2	311.1	316.9	314.0	316.9	316.9	316.9	322.6	331.3	331.3
85°	267.9	273.7	273.7	279.4	279.4	279.4	279.4	282.3	285.2	293.8	293.8
87.5°	236.2	239.1	242.0	244.8	244.8	247.7	247.7	250.6	253.5	259.3	262.1
90°	204.5	207.4	210.3	210.3	210.3	213.2	213.2	216.0	218.9	224.7	227.6
92.5°	181.5	184.4	184.4	187.2	187.2	187.2	190.1	193.0	195.9	201.6	201.6
95°	161.3	164.2	164.2	164.2	164.2	167.1	167.1	170.0	172.8	178.6	178.6
97.5°	144.0	144.0	144.0	144.0	144.0	146.9	146.9	149.8	152.7	155.6	155.6
100°	126.7	126.7	126.7	126.7	126.7	126.7	126.7	129.6	129.6	135.4	135.4
102.5°	112.3	112.3	109.5	109.5	109.5	106.6	106.6	109.5	109.5	112.3	112.3
105°	100.8	100.8	100.8	100.8	97.9	97.9	97.9	97.9	97.9	100.8	100.8
107.5°	97.9	97.9	95.1	95.1	95.1	92.2	92.2	92.2	92.2	95.1	95.1
110°	95.1	95.1	95.1	95.1	92.2	92.2	89.3	89.3	89.3	92.2	92.2

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CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	97.9	97.9	97.9	95.1	95.1	92.2	92.2	92.2	92.2	92.2	95.1
115°	103.7	100.8	100.8	100.8	100.8	97.9	95.1	95.1	97.9	97.9	97.9
117.5°	112.3	109.5	109.5	112.3	109.5	106.6	103.7	103.7	106.6	106.6	109.5
120°	123.9	121.0	123.9	123.9	123.9	121.0	118.1	115.2	118.1	121.0	121.0
122.5°	138.3	135.4	138.3	141.1	141.1	138.3	132.5	132.5	135.4	138.3	141.1
125°	155.6	155.6	158.4	161.3	164.2	158.4	155.6	152.7	158.4	161.3	161.3
127.5°	175.7	172.8	178.6	187.2	190.1	184.4	178.6	175.7	181.5	187.2	187.2
130°	195.9	193.0	201.6	210.3	216.0	210.3	204.5	201.6	207.4	213.2	213.2
132.5°	213.2	210.3	221.8	233.3	239.1	236.2	230.4	224.7	233.3	239.1	236.2
135°	227.6	227.6	242.0	253.5	259.3	256.4	250.6	244.8	256.4	262.1	256.4
137.5°	236.2	236.2	253.5	265.0	270.8	270.8	267.9	262.1	273.7	276.5	267.9
140°	236.2	239.1	253.5	265.0	267.9	270.8	270.8	267.9	279.4	279.4	270.8
142.5°	227.6	230.4	244.8	256.4	259.3	262.1	265.0	262.1	270.8	270.8	265.0
145°	213.2	216.0	230.4	242.0	242.0	244.8	250.6	247.7	253.5	256.4	250.6
147.5°	193.0	195.9	207.4	213.2	216.0	221.8	227.6	227.6	230.4	233.3	230.4
150°	167.1	167.1	175.7	181.5	184.4	190.1	195.9	198.8	198.8	201.6	198.8
152.5°	132.5	132.5	138.3	144.0	146.9	155.6	158.4	161.3	164.2	167.1	164.2
155°	100.8	100.8	103.7	106.6	109.5	118.1	121.0	123.9	126.7	129.6	126.7
157.5°	72.0	72.0	74.9	77.8	80.7	86.4	89.3	92.2	92.2	95.1	95.1
160°	46.1	49.0	49.0	51.9	51.9	57.6	60.5	60.5	63.4	66.3	66.3
162.5°	23.0	25.9	25.9	28.8	31.7	34.6	37.4	37.4	40.3	40.3	40.3
165°	5.8	8.6	8.6	11.5	11.5	14.4	17.3	17.3	20.2	20.2	20.2
167.5°	0.0	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8	5.8
170°	0.0	0.0	0.0	0.0	2.9	0.0	0.0	2.9	2.9	2.9	2.9
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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CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2	8509.2
2.5°	7711.3	7705.5	7864.0	7990.7	8140.5	8258.6	8373.8	8483.3	8526.5	8523.6	8526.5
5°	6694.5	6795.3	7002.7	7207.2	7449.2	7676.7	7889.9	8031.0	8120.3	8120.3	8129.0
7.5°	5674.7	5836.0	6092.4	6417.9	6780.9	7077.6	7437.7	7691.1	7892.8	7887.0	7924.5
10°	4583.0	4709.7	4966.1	5314.7	5715.1	6057.9	6371.8	6608.0	6803.9	6792.4	6841.4
12.5°	3764.9	3854.2	4076.0	4392.9	4758.7	5090.0	5398.2	5582.6	5720.8	5717.9	5743.9
15°	3283.9	3376.0	3520.1	3739.0	4041.4	4335.3	4643.5	4810.6	4888.3	4879.7	4922.9
17.5°	3088.0	3125.4	3214.7	3361.6	3580.6	3819.6	4064.5	4208.5	4297.8	4286.3	4318.0
20°	2877.7	2912.3	2972.8	3082.2	3237.8	3419.2	3626.6	3785.1	3851.3	3848.5	3868.6
22.5°	2635.7	2653.0	2719.3	2805.7	2918.0	3064.9	3223.4	3367.4	3433.6	3430.8	3450.9
25°	2468.7	2497.5	2537.8	2589.6	2667.4	2782.6	2915.1	3016.0	3076.5	3070.7	3096.6
27.5°	1803.2	1832.0	1852.2	1883.9	1886.8	1981.8	2027.9	2111.5	2166.2	2163.3	2180.6
30°	1584.3	1590.1	1607.4	1650.6	1676.5	1751.4	1843.6	1906.9	1953.0	1970.3	1981.8
32.5°	1446.0	1463.3	1483.5	1503.7	1535.3	1581.4	1653.5	1711.1	1760.0	1768.7	1788.8
35°	1287.6	1299.1	1313.5	1333.7	1353.9	1391.3	1446.0	1492.1	1529.6	1544.0	1555.5
37.5°	1175.3	1178.2	1192.6	1215.6	1232.9	1264.6	1313.5	1348.1	1385.6	1388.4	1400.0
40°	1100.4	1103.3	1117.7	1137.8	1158.0	1178.2	1221.4	1253.1	1279.0	1281.9	1290.5
42.5°	1014.0	1022.6	1028.4	1037.0	1051.4	1068.7	1106.1	1123.4	1140.7	1143.6	1155.1
45°	895.9	898.7	904.5	913.1	930.4	947.7	973.6	993.8	1005.3	1005.3	1002.4
47.5°	829.6	832.5	832.5	844.0	858.4	875.7	898.7	916.0	921.8	921.8	921.8
50°	806.6	806.6	800.8	809.4	823.8	835.4	858.4	872.8	875.7	878.6	881.5
52.5°	823.8	818.1	800.8	809.4	823.8	835.4	858.4	864.2	864.2	869.9	872.8
55°	918.9	910.3	875.7	881.5	898.7	913.1	930.4	933.3	939.1	947.7	944.8
57.5°	979.4	985.2	944.8	953.5	985.2	996.7	1016.8	1014.0	1025.5	1037.0	1039.9
60°	921.8	939.1	907.4	918.9	956.4	962.1	982.3	970.8	988.0	988.0	988.0
62.5°	783.5	789.3	772.0	789.3	823.8	823.8	838.2	829.6	835.4	829.6	832.5
65°	685.6	682.7	662.5	685.6	697.1	702.9	714.4	717.3	717.3	711.5	711.5
67.5°	625.1	619.3	602.0	607.8	619.3	622.2	639.5	642.4	639.5	639.5	642.4
70°	570.4	561.7	544.4	547.3	556.0	558.8	573.2	579.0	576.1	573.2	576.1
72.5°	515.6	507.0	489.7	489.7	498.3	504.1	515.6	521.4	515.6	515.6	518.5
75°	463.8	455.1	437.8	437.8	443.6	446.5	460.9	463.8	460.9	458.0	460.9
77.5°	417.7	411.9	394.6	394.6	397.5	400.4	409.0	411.9	409.0	406.2	409.0
80°	374.5	365.8	354.3	351.4	354.3	354.3	363.0	365.8	360.1	360.1	363.0
82.5°	334.1	325.5	314.0	314.0	311.1	314.0	319.7	322.6	319.7	316.9	319.7
85°	296.7	290.9	279.4	276.5	276.5	276.5	282.3	282.3	279.4	279.4	279.4
87.5°	262.1	256.4	244.8	244.8	242.0	244.8	247.7	247.7	244.8	244.8	244.8
90°	227.6	221.8	213.2	213.2	210.3	213.2	216.0	216.0	213.2	213.2	213.2
92.5°	201.6	198.8	190.1	190.1	187.2	190.1	190.1	190.1	187.2	187.2	187.2
95°	178.6	175.7	170.0	167.1	167.1	167.1	167.1	167.1	164.2	164.2	164.2
97.5°	155.6	152.7	146.9	146.9	144.0	146.9	146.9	146.9	144.0	144.0	144.0
100°	135.4	132.5	129.6	129.6	126.7	126.7	126.7	126.7	126.7	126.7	126.7
102.5°	112.3	112.3	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5
105°	100.8	100.8	100.8	100.8	103.7	103.7	103.7	100.8	100.8	100.8	100.8
107.5°	95.1	95.1	95.1	97.9	97.9	97.9	100.8	95.1	92.2	92.2	92.2
110°	92.2	92.2	95.1	95.1	97.9	97.9	100.8	89.3	86.4	86.4	86.4

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	95.1	95.1	95.1	97.9	100.8	100.8	103.7	89.3	86.4	86.4	86.4
115°	100.8	100.8	100.8	103.7	106.6	109.5	109.5	95.1	89.3	89.3	92.2
117.5°	109.5	109.5	109.5	112.3	118.1	118.1	118.1	100.8	97.9	97.9	97.9
120°	121.0	123.9	123.9	126.7	132.5	135.4	129.6	115.2	97.9	106.6	106.6
122.5°	138.3	141.1	144.0	146.9	155.6	155.6	146.9	132.5	106.6	118.1	121.0
125°	161.3	164.2	167.1	172.8	181.5	181.5	170.0	149.8	121.0	132.5	135.4
127.5°	184.4	190.1	193.0	201.6	213.2	213.2	198.8	172.8	135.4	144.0	146.9
130°	210.3	216.0	221.8	233.3	247.7	242.0	230.4	195.9	146.9	152.7	152.7
132.5°	233.3	242.0	244.8	262.1	276.5	270.8	256.4	210.3	152.7	152.7	149.8
135°	250.6	256.4	259.3	276.5	290.9	282.3	265.0	216.0	149.8	144.0	144.0
137.5°	262.1	267.9	270.8	282.3	293.8	279.4	256.4	204.5	144.0	141.1	138.3
140°	267.9	267.9	267.9	276.5	282.3	265.0	236.2	184.4	129.6	135.4	135.4
142.5°	262.1	259.3	256.4	262.1	265.0	244.8	218.9	164.2	118.1	123.9	123.9
145°	247.7	242.0	239.1	242.0	242.0	218.9	190.1	141.1	103.7	106.6	106.6
147.5°	227.6	218.9	213.2	213.2	210.3	187.2	161.3	118.1	89.3	86.4	86.4
150°	195.9	187.2	181.5	181.5	172.8	152.7	129.6	92.2	72.0	72.0	72.0
152.5°	161.3	152.7	146.9	146.9	138.3	118.1	97.9	69.1	54.7	54.7	54.7
155°	126.7	118.1	112.3	109.5	103.7	89.3	72.0	51.9	40.3	40.3	40.3
157.5°	95.1	89.3	83.5	80.7	74.9	66.3	51.9	37.4	25.9	28.8	28.8
160°	66.3	60.5	57.6	54.7	51.9	43.2	34.6	23.0	14.4	14.4	14.4
162.5°	40.3	37.4	37.4	34.6	31.7	28.8	20.2	11.5	5.8	5.8	5.8
165°	20.2	20.2	17.3	17.3	14.4	11.5	8.6	2.9	0.0	0.0	0.0
167.5°	5.8	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
170°	2.9	2.9	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)