

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: P691813

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691813
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-C01H-5TLD-U-T5R-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8632 lumens
Efficiency: N/A
Efficacy: 115.2 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): 74.9
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



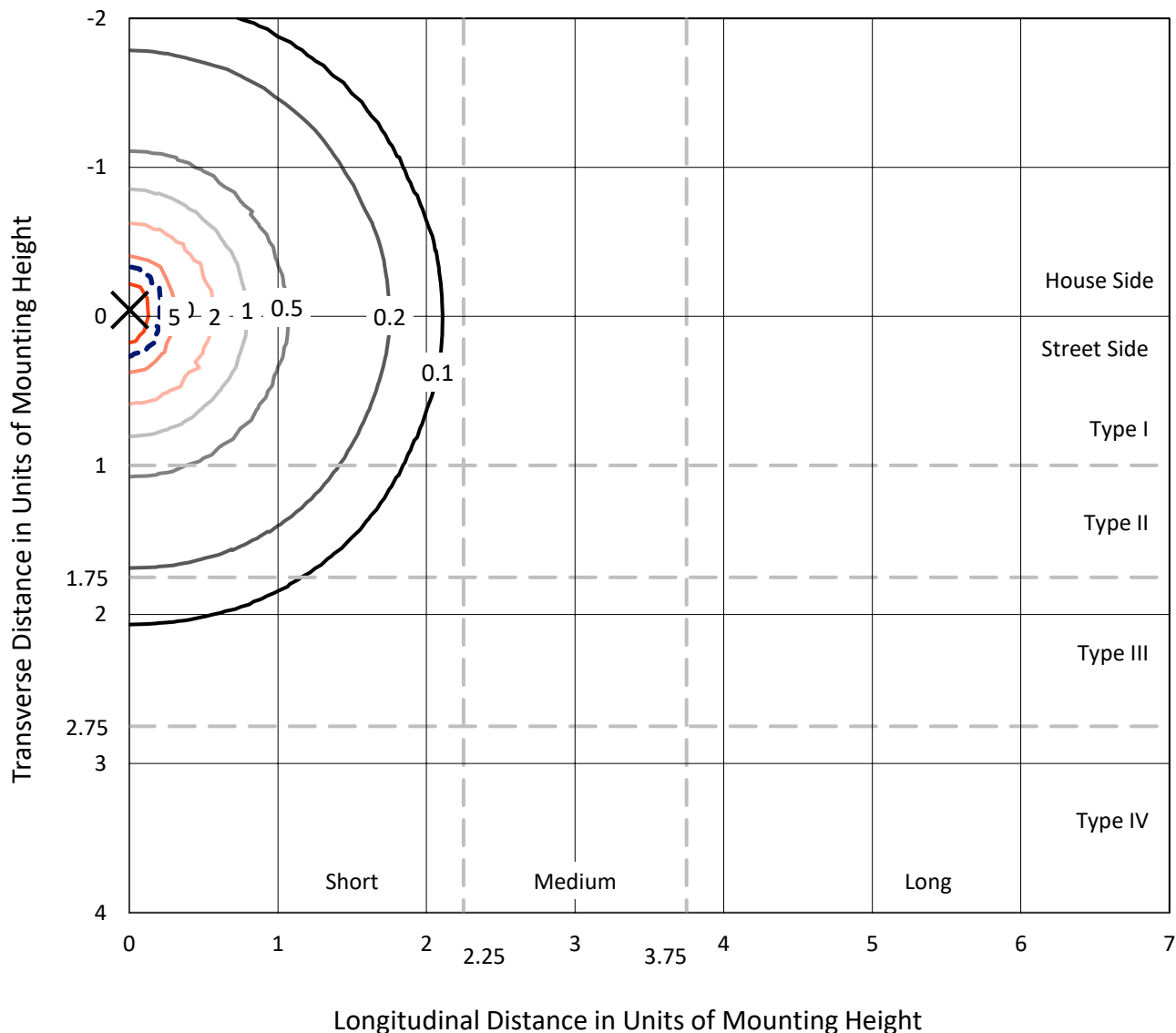
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

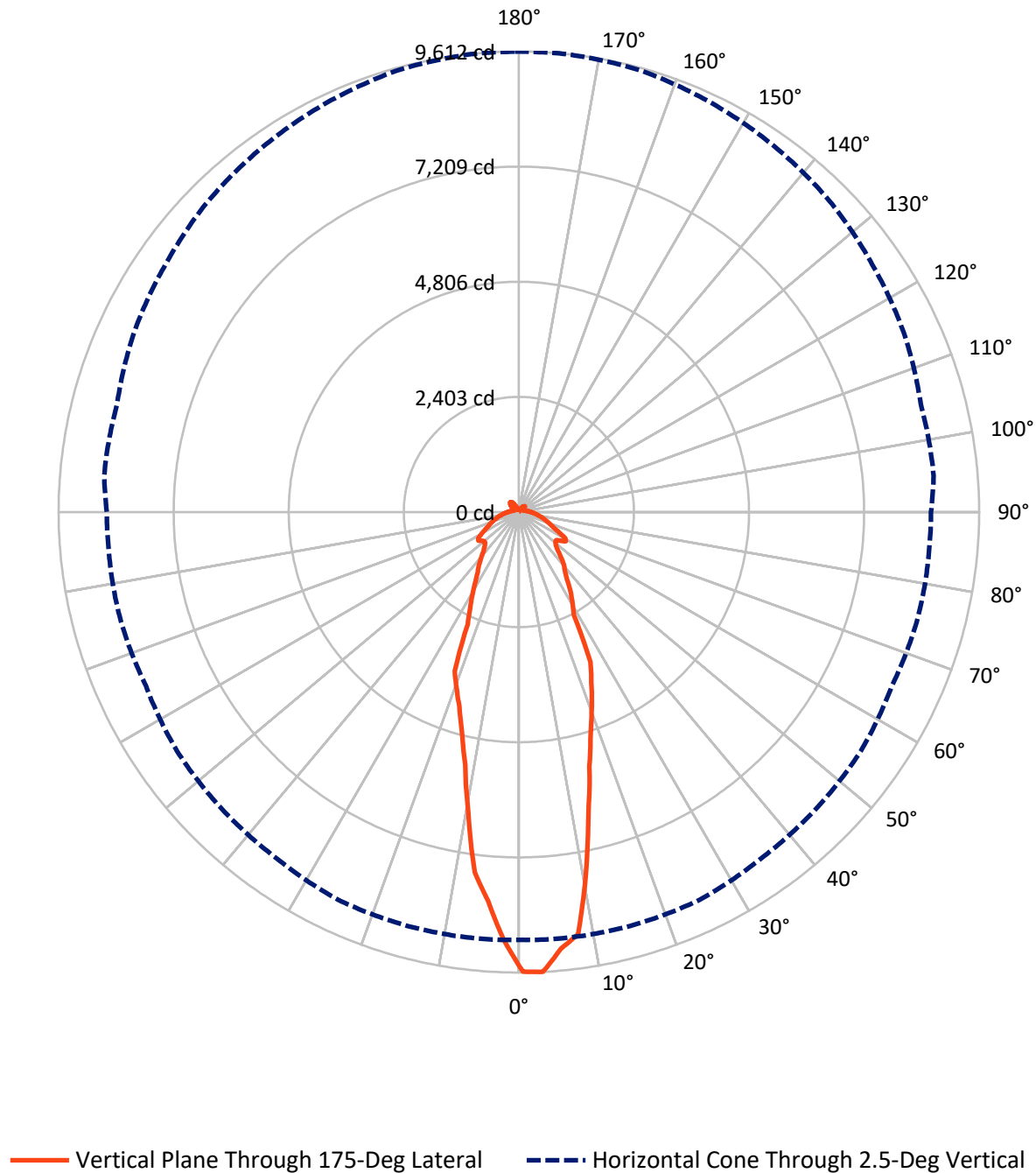


Based on 25 foot mounting height. Maximum calculated value = 15.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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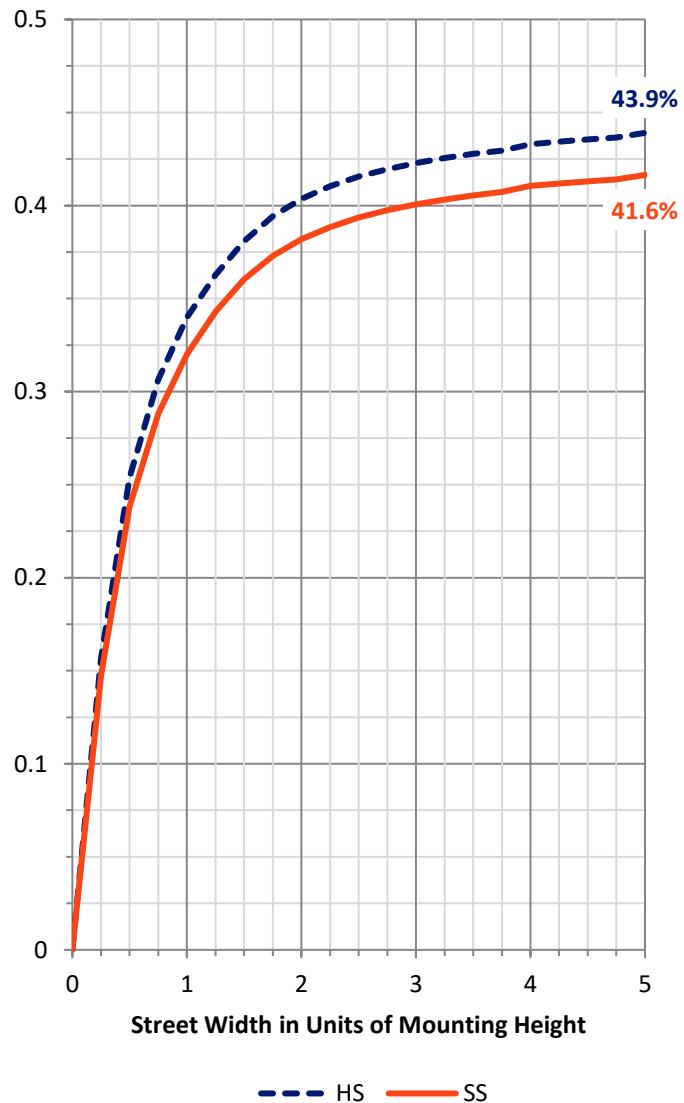
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3906.7	516.1	4422.8
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3679.5	529.7	4209.2
	% Fixture	42.6	6.1	48.8
Total	Lumens	7586.2	1045.8	8632.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.2	8.3
10°-20°	1253.4	14.5
20°-30°	1242.9	14.4
30°-40°	958.1	11.1
40°-50°	821.4	9.5
50°-60°	918.7	10.6
60°-70°	787.1	9.1
70°-80°	541.6	6.3
80°-90°	348.7	4.0
90°-100°	208.9	2.4
100°-110°	124.3	1.4
110°-120°	115.0	1.3
120°-130°	164.2	1.9
130°-140°	212.2	2.5
140°-150°	157.1	1.8
150°-160°	57.4	0.7
160°-170°	6.7	0.1
170°-180°	0.0	0.0
0°-90°	7586.2	87.9
0°-180°	8632.0	100.0

Coefficient of Utilization



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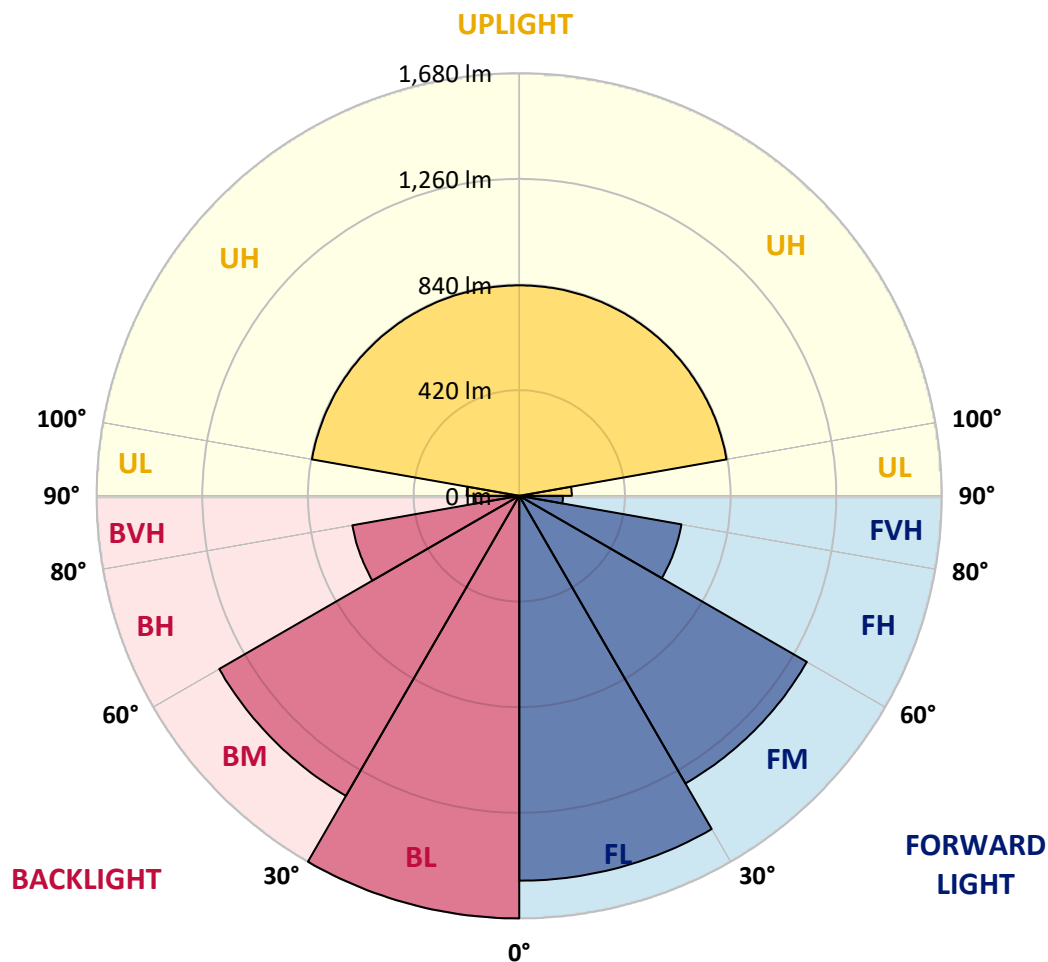
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1530.3	17.7			
FM	(30°-60°)	1320.7	15.3			
FH	(60°-80°)	654.7	7.6			G0/660
FVH	(80°-90°)	173.8	2.0			G2/225
BL	(0°-30°)	1680.3	19.5	B3/2500		
BM	(30°-60°)	1377.6	16.0	B2/2500		
BH	(60°-80°)	674.0	7.8	B2/1000		G1/1800
BVH	(80°-90°)	174.9	2.0			G2/225
UL	(90°-100°)	208.9	2.4		U3/500	
UH	(100°-180°)	836.9	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7
2.5°	8930.3	8943.3	8946.5	8930.3	8823.1	8767.9	8709.5	8592.6	8618.5	8602.3	8605.5
5°	8099.0	8150.9	8069.7	8047.0	7884.6	7764.5	7647.6	7520.9	7491.7	7439.7	7459.2
7.5°	7546.9	7576.1	7443.0	7306.6	7046.8	6861.7	6666.9	6472.0	6325.9	6270.7	6293.4
10°	6283.7	6381.1	6247.9	6108.3	5861.5	5640.7	5436.1	5244.5	5111.4	5069.2	5075.6
12.5°	5341.9	5397.1	5283.5	5189.3	4913.3	4702.2	4513.8	4335.2	4228.1	4182.6	4182.6
15°	4718.4	4741.2	4653.5	4471.6	4263.8	4072.2	3913.1	3783.2	3695.5	3679.3	3685.8
17.5°	4247.6	4247.6	4159.9	4017.0	3857.9	3689.0	3578.6	3481.2	3442.2	3455.2	3458.5
20°	3893.6	3896.8	3818.9	3679.3	3542.9	3390.3	3299.3	3231.1	3208.4	3231.1	3234.4
22.5°	3559.1	3575.4	3490.9	3387.0	3237.6	3117.5	3042.8	2968.1	2955.1	2964.9	2964.9
25°	2575.2	2575.2	2545.9	2464.8	2497.2	2510.2	2597.9	2786.2	2747.3	2783.0	2779.8
27.5°	2221.2	2234.2	2175.7	2104.3	2029.6	1941.9	1925.7	1909.5	1893.2	1967.9	1993.9
30°	1961.4	1967.9	1919.2	1870.5	1808.8	1760.1	1747.1	1747.1	1730.9	1789.3	1786.1
32.5°	1714.6	1704.9	1691.9	1646.4	1607.5	1565.2	1575.0	1568.5	1568.5	1620.4	1623.7
35°	1519.8	1516.5	1506.8	1474.3	1435.3	1402.9	1412.6	1419.1	1415.9	1448.3	1448.3
37.5°	1376.9	1380.1	1373.6	1360.6	1321.7	1295.7	1302.2	1295.7	1305.4	1328.2	1328.2
40°	1237.2	1237.2	1240.5	1237.2	1211.3	1201.5	1221.0	1211.3	1234.0	1250.2	1243.7
42.5°	1104.1	1107.4	1113.8	1107.4	1091.1	1081.4	1091.1	1094.4	1126.8	1149.6	1146.3
45°	1019.7	1019.7	1022.9	1019.7	1006.7	996.9	996.9	987.2	1009.9	1022.9	1019.7
47.5°	964.5	964.5	971.0	967.7	961.2	951.5	945.0	932.0	941.7	951.5	941.7
50°	945.0	945.0	958.0	958.0	954.7	945.0	935.2	919.0	922.3	928.7	915.8
52.5°	974.2	974.2	996.9	1006.7	1006.7	990.4	977.5	954.7	954.7	961.2	941.7
55°	1035.9	1035.9	1071.6	1091.1	1094.4	1094.4	1078.1	1055.4	1058.6	1071.6	1052.1
57.5°	1013.2	1016.4	1045.7	1071.6	1087.9	1097.6	1097.6	1084.6	1094.4	1126.8	1117.1
60°	906.0	912.5	932.0	954.7	984.0	993.7	993.7	990.4	1006.7	1045.7	1045.7
62.5°	805.3	808.6	818.3	837.8	854.1	860.6	860.6	847.6	867.0	886.5	880.0
65°	727.4	724.2	743.6	759.9	769.6	779.4	769.6	756.6	766.4	779.4	776.1
67.5°	662.5	662.5	678.7	691.7	698.2	707.9	701.4	694.9	707.9	714.4	707.9
70°	600.8	604.0	617.0	626.7	633.2	643.0	633.2	630.0	643.0	649.5	646.2
72.5°	539.1	542.3	552.1	565.0	571.5	574.8	571.5	568.3	578.0	584.5	584.5
75°	483.9	487.1	493.6	506.6	506.6	513.1	509.8	506.6	516.3	522.8	522.8
77.5°	431.9	438.4	441.6	451.4	454.6	457.9	454.6	454.6	461.1	467.6	470.9
80°	386.4	389.7	392.9	402.7	402.7	405.9	402.7	402.7	409.2	418.9	418.9
82.5°	344.2	347.5	350.7	357.2	354.0	357.2	357.2	357.2	363.7	373.4	373.4
85°	302.0	308.5	308.5	315.0	315.0	315.0	315.0	318.2	321.5	331.2	331.2
87.5°	266.3	269.5	272.8	276.0	276.0	279.3	279.3	282.5	285.8	292.3	295.5
90°	230.6	233.8	237.1	237.1	237.1	240.3	240.3	243.6	246.8	253.3	256.5
92.5°	204.6	207.8	207.8	211.1	211.1	211.1	214.3	217.6	220.8	227.3	227.3
95°	181.9	185.1	185.1	185.1	185.1	188.3	188.3	191.6	194.8	201.3	201.3
97.5°	162.4	162.4	162.4	162.4	162.4	165.6	165.6	168.9	172.1	175.4	175.4
100°	142.9	142.9	142.9	142.9	142.9	142.9	142.9	146.1	146.1	152.6	152.6
102.5°	126.6	126.6	123.4	123.4	123.4	120.2	120.2	123.4	123.4	126.6	126.6
105°	113.7	113.7	113.7	113.7	110.4	110.4	110.4	110.4	110.4	113.7	113.7
107.5°	110.4	110.4	107.2	107.2	107.2	103.9	103.9	103.9	103.9	107.2	107.2
110°	107.2	107.2	107.2	107.2	103.9	103.9	100.7	100.7	100.7	103.9	103.9



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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	110.4	110.4	110.4	107.2	107.2	103.9	103.9	103.9	103.9	103.9	107.2
115°	116.9	113.7	113.7	113.7	113.7	110.4	107.2	107.2	110.4	110.4	110.4
117.5°	126.6	123.4	123.4	126.6	123.4	120.2	116.9	116.9	120.2	120.2	123.4
120°	139.6	136.4	139.6	139.6	139.6	136.4	133.1	129.9	133.1	136.4	136.4
122.5°	155.9	152.6	155.9	159.1	159.1	155.9	149.4	149.4	152.6	155.9	159.1
125°	175.4	175.4	178.6	181.9	185.1	178.6	175.4	172.1	178.6	181.9	181.9
127.5°	198.1	194.8	201.3	211.1	214.3	207.8	201.3	198.1	204.6	211.1	211.1
130°	220.8	217.6	227.3	237.1	243.6	237.1	230.6	227.3	233.8	240.3	240.3
132.5°	240.3	237.1	250.0	263.0	269.5	266.3	259.8	253.3	263.0	269.5	266.3
135°	256.5	256.5	272.8	285.8	292.3	289.0	282.5	276.0	289.0	295.5	289.0
137.5°	266.3	266.3	285.8	298.8	305.3	305.3	302.0	295.5	308.5	311.7	302.0
140°	266.3	269.5	285.8	298.8	302.0	305.3	305.3	302.0	315.0	315.0	305.3
142.5°	256.5	259.8	276.0	289.0	292.3	295.5	298.8	295.5	305.3	305.3	298.8
145°	240.3	243.6	259.8	272.8	272.8	276.0	282.5	279.3	285.8	289.0	282.5
147.5°	217.6	220.8	233.8	240.3	243.6	250.0	256.5	256.5	259.8	263.0	259.8
150°	188.3	188.3	198.1	204.6	207.8	214.3	220.8	224.1	224.1	227.3	224.1
152.5°	149.4	149.4	155.9	162.4	165.6	175.4	178.6	181.9	185.1	188.3	185.1
155°	113.7	113.7	116.9	120.2	123.4	133.1	136.4	139.6	142.9	146.1	142.9
157.5°	81.2	81.2	84.4	87.7	90.9	97.4	100.7	103.9	103.9	107.2	107.2
160°	52.0	55.2	55.2	58.5	58.5	64.9	68.2	68.2	71.4	74.7	74.7
162.5°	26.0	29.2	29.2	32.5	35.7	39.0	42.2	42.2	45.5	45.5	45.5
165°	6.5	9.7	9.7	13.0	13.0	16.2	19.5	19.5	22.7	22.7	22.7
167.5°	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.5	6.5	6.5	6.5
170°	0.0	0.0	0.0	0.0	3.2	0.0	0.0	3.2	3.2	3.2	3.2
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°	178°	180°
0°	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7	9592.7
2.5°	8693.2	8686.7	8865.3	9008.2	9177.1	9310.2	9440.1	9563.5	9612.2	9609.0	9612.2
5°	7546.9	7660.6	7894.4	8124.9	8397.7	8654.3	8894.6	9053.7	9154.3	9154.3	9164.1
7.5°	6397.3	6579.2	6868.2	7235.1	7644.3	7978.8	8384.7	8670.5	8897.8	8891.3	8933.5
10°	5166.6	5309.5	5598.5	5991.4	6442.8	6829.2	7183.2	7449.5	7670.3	7657.3	7712.5
12.5°	4244.3	4345.0	4595.0	4952.2	5364.7	5738.1	6085.6	6293.4	6449.3	6446.0	6475.3
15°	3702.0	3805.9	3968.3	4215.1	4556.1	4887.3	5234.8	5423.1	5510.8	5501.1	5549.8
17.5°	3481.2	3523.4	3624.1	3789.7	4036.5	4306.0	4582.0	4744.4	4845.1	4832.1	4867.8
20°	3244.1	3283.1	3351.3	3474.7	3650.0	3854.6	4088.4	4267.0	4341.7	4338.5	4361.2
22.5°	2971.3	2990.8	3065.5	3162.9	3289.6	3455.2	3633.8	3796.2	3870.9	3867.6	3890.4
25°	2783.0	2815.5	2860.9	2919.4	3007.1	3137.0	3286.3	3400.0	3468.2	3461.7	3490.9
27.5°	2032.9	2065.3	2088.1	2123.8	2127.0	2234.2	2286.2	2380.3	2442.0	2438.8	2458.3
30°	1786.1	1792.6	1812.0	1860.7	1890.0	1974.4	2078.3	2149.8	2201.7	2221.2	2234.2
32.5°	1630.2	1649.7	1672.4	1695.1	1730.9	1782.8	1864.0	1928.9	1984.1	1993.9	2016.6
35°	1451.6	1464.6	1480.8	1503.5	1526.3	1568.5	1630.2	1682.1	1724.4	1740.6	1753.6
37.5°	1324.9	1328.2	1344.4	1370.4	1389.9	1425.6	1480.8	1519.8	1562.0	1565.2	1578.2
40°	1240.5	1243.7	1260.0	1282.7	1305.4	1328.2	1376.9	1412.6	1441.8	1445.1	1454.8
42.5°	1143.1	1152.8	1159.3	1169.1	1185.3	1204.8	1247.0	1266.5	1286.0	1289.2	1302.2
45°	1009.9	1013.2	1019.7	1029.4	1048.9	1068.4	1097.6	1120.3	1133.3	1133.3	1130.1
47.5°	935.2	938.5	938.5	951.5	967.7	987.2	1013.2	1032.7	1039.2	1039.2	1039.2
50°	909.3	909.3	902.8	912.5	928.7	941.7	967.7	984.0	987.2	990.4	993.7
52.5°	928.7	922.3	902.8	912.5	928.7	941.7	967.7	974.2	974.2	980.7	984.0
55°	1035.9	1026.2	987.2	993.7	1013.2	1029.4	1048.9	1052.1	1058.6	1068.4	1065.1
57.5°	1104.1	1110.6	1065.1	1074.9	1110.6	1123.6	1146.3	1143.1	1156.1	1169.1	1172.3
60°	1039.2	1058.6	1022.9	1035.9	1078.1	1084.6	1107.4	1094.4	1113.8	1113.8	1113.8
62.5°	883.3	889.8	870.3	889.8	928.7	928.7	945.0	935.2	941.7	935.2	938.5
65°	772.9	769.6	746.9	772.9	785.9	792.4	805.3	808.6	808.6	802.1	802.1
67.5°	704.7	698.2	678.7	685.2	698.2	701.4	720.9	724.2	720.9	720.9	724.2
70°	643.0	633.2	613.8	617.0	626.7	630.0	646.2	652.7	649.5	646.2	649.5
72.5°	581.3	571.5	552.1	552.1	561.8	568.3	581.3	587.8	581.3	581.3	584.5
75°	522.8	513.1	493.6	493.6	500.1	503.3	519.6	522.8	519.6	516.3	519.6
77.5°	470.9	464.4	444.9	444.9	448.1	451.4	461.1	464.4	461.1	457.9	461.1
80°	422.2	412.4	399.4	396.2	399.4	399.4	409.2	412.4	405.9	405.9	409.2
82.5°	376.7	367.0	354.0	354.0	350.7	354.0	360.5	363.7	360.5	357.2	360.5
85°	334.5	328.0	315.0	311.7	311.7	311.7	318.2	318.2	315.0	315.0	315.0
87.5°	295.5	289.0	276.0	276.0	272.8	276.0	279.3	279.3	276.0	276.0	276.0
90°	256.5	250.0	240.3	240.3	237.1	240.3	243.6	243.6	240.3	240.3	240.3
92.5°	227.3	224.1	214.3	214.3	211.1	214.3	214.3	214.3	211.1	211.1	211.1
95°	201.3	198.1	191.6	188.3	188.3	188.3	188.3	188.3	185.1	185.1	185.1
97.5°	175.4	172.1	165.6	165.6	162.4	165.6	165.6	165.6	162.4	162.4	162.4
100°	152.6	149.4	146.1	146.1	142.9	142.9	142.9	142.9	142.9	142.9	142.9
102.5°	126.6	126.6	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4	123.4
105°	113.7	113.7	113.7	113.7	116.9	116.9	116.9	113.7	113.7	113.7	113.7
107.5°	107.2	107.2	107.2	110.4	110.4	110.4	113.7	107.2	103.9	103.9	103.9
110°	103.9	103.9	107.2	107.2	110.4	110.4	113.7	100.7	97.4	97.4	97.4



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	107.2	107.2	107.2	110.4	113.7	113.7	116.9	100.7	97.4	97.4	97.4
115°	113.7	113.7	113.7	116.9	120.2	123.4	123.4	107.2	100.7	100.7	103.9
117.5°	123.4	123.4	123.4	126.6	133.1	133.1	133.1	113.7	110.4	110.4	110.4
120°	136.4	139.6	139.6	142.9	149.4	152.6	146.1	129.9	110.4	120.2	120.2
122.5°	155.9	159.1	162.4	165.6	175.4	175.4	165.6	149.4	120.2	133.1	136.4
125°	181.9	185.1	188.3	194.8	204.6	204.6	191.6	168.9	136.4	149.4	152.6
127.5°	207.8	214.3	217.6	227.3	240.3	240.3	224.1	194.8	152.6	162.4	165.6
130°	237.1	243.6	250.0	263.0	279.3	272.8	259.8	220.8	165.6	172.1	172.1
132.5°	263.0	272.8	276.0	295.5	311.7	305.3	289.0	237.1	172.1	172.1	168.9
135°	282.5	289.0	292.3	311.7	328.0	318.2	298.8	243.6	168.9	162.4	162.4
137.5°	295.5	302.0	305.3	318.2	331.2	315.0	289.0	230.6	162.4	159.1	155.9
140°	302.0	302.0	302.0	311.7	318.2	298.8	266.3	207.8	146.1	152.6	152.6
142.5°	295.5	292.3	289.0	295.5	298.8	276.0	246.8	185.1	133.1	139.6	139.6
145°	279.3	272.8	269.5	272.8	272.8	246.8	214.3	159.1	116.9	120.2	120.2
147.5°	256.5	246.8	240.3	240.3	237.1	211.1	181.9	133.1	100.7	97.4	97.4
150°	220.8	211.1	204.6	204.6	194.8	172.1	146.1	103.9	81.2	81.2	81.2
152.5°	181.9	172.1	165.6	165.6	155.9	133.1	110.4	77.9	61.7	61.7	61.7
155°	142.9	133.1	126.6	123.4	116.9	100.7	81.2	58.5	45.5	45.5	45.5
157.5°	107.2	100.7	94.2	90.9	84.4	74.7	58.5	42.2	29.2	32.5	32.5
160°	74.7	68.2	64.9	61.7	58.5	48.7	39.0	26.0	16.2	16.2	16.2
162.5°	45.5	42.2	42.2	39.0	35.7	32.5	22.7	13.0	6.5	6.5	6.5
165°	22.7	22.7	19.5	19.5	16.2	13.0	9.7	3.2	0.0	0.0	0.0
167.5°	6.5	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
170°	3.2	3.2	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)