

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: P691774

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691774
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-C01H-5TLD-U-T2-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7324 lumens
Efficiency: N/A
Efficacy: 97.8 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): 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



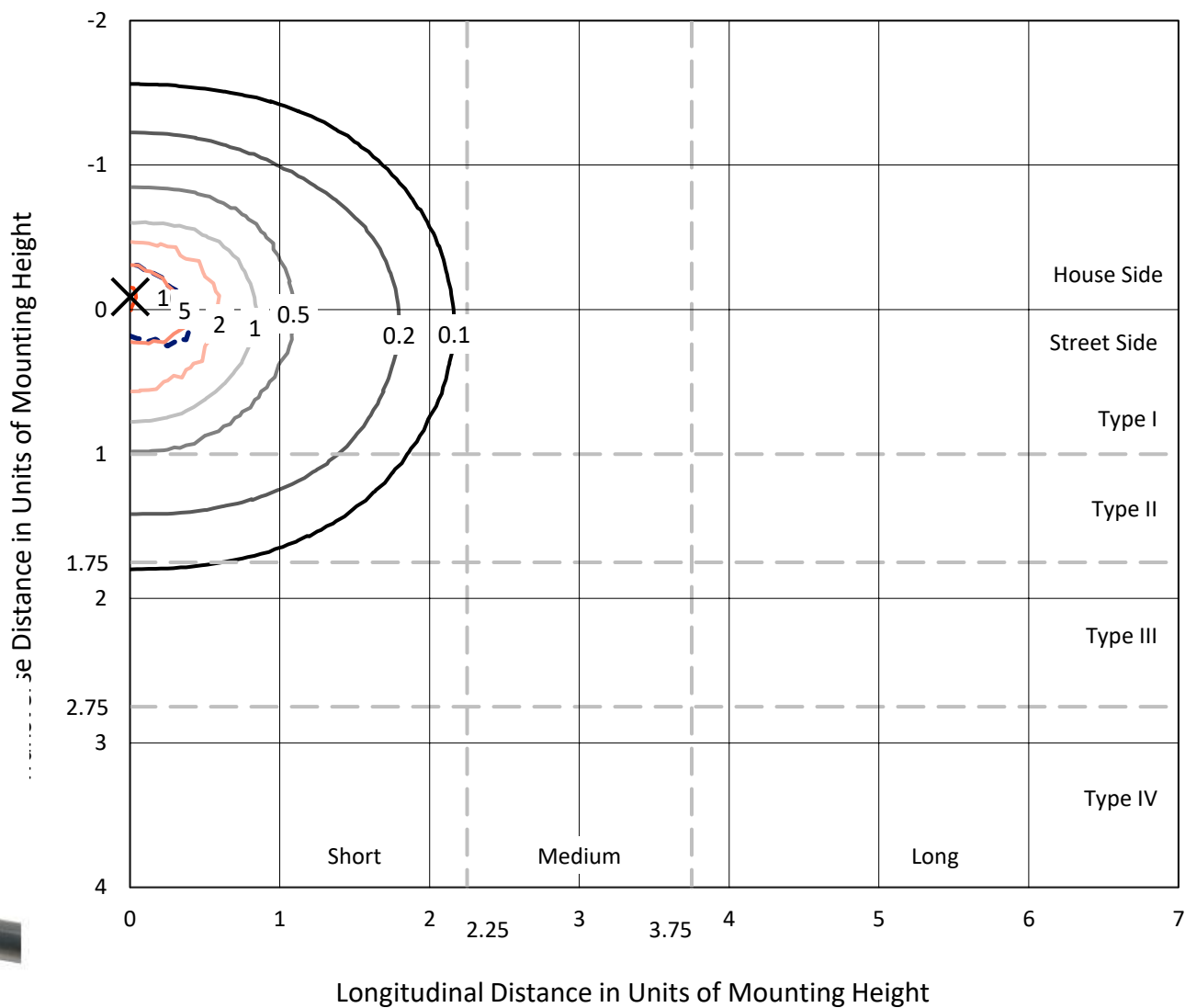
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



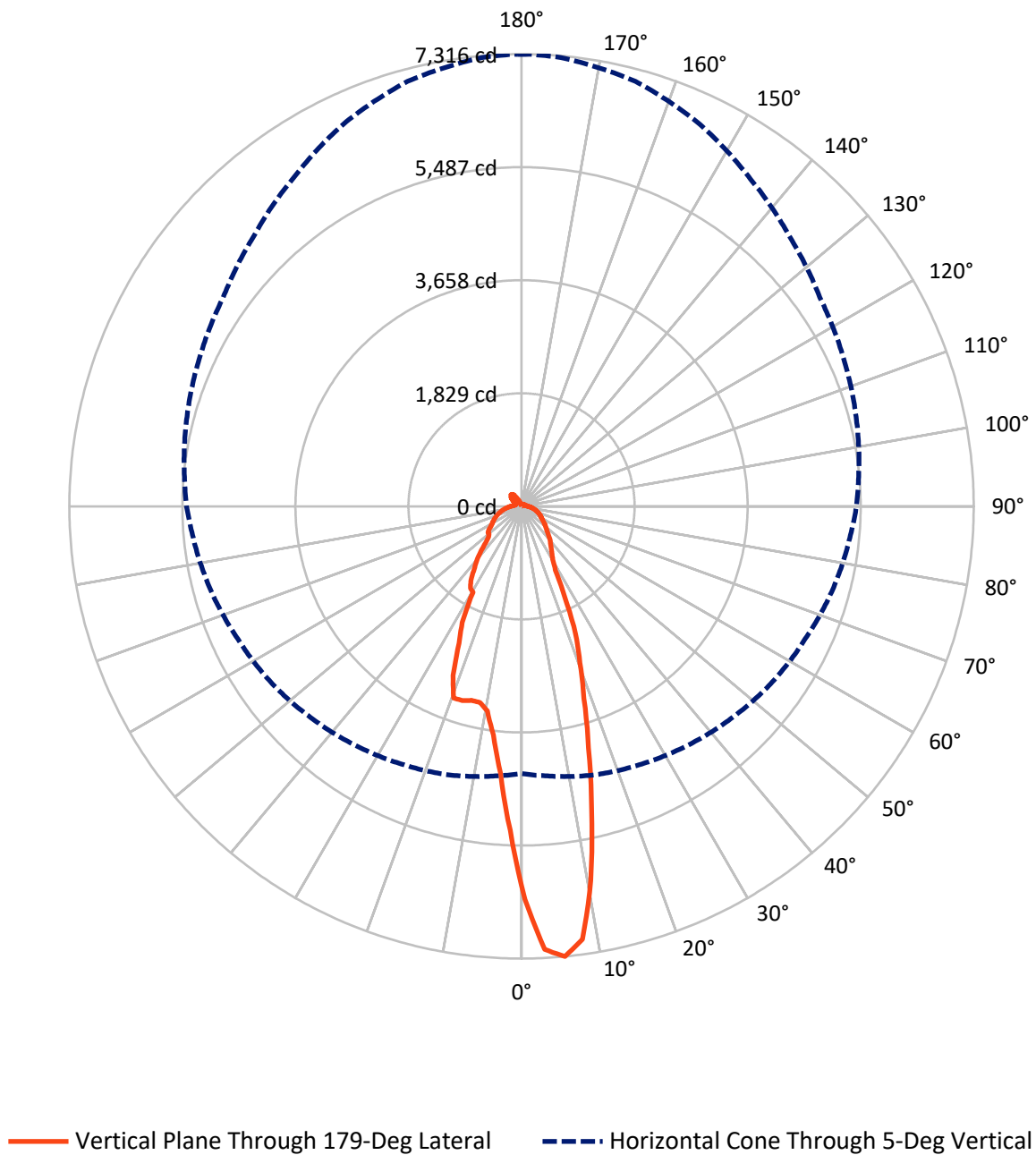
Based on 25 foot mounting height. Maximum calculated value = 11.1 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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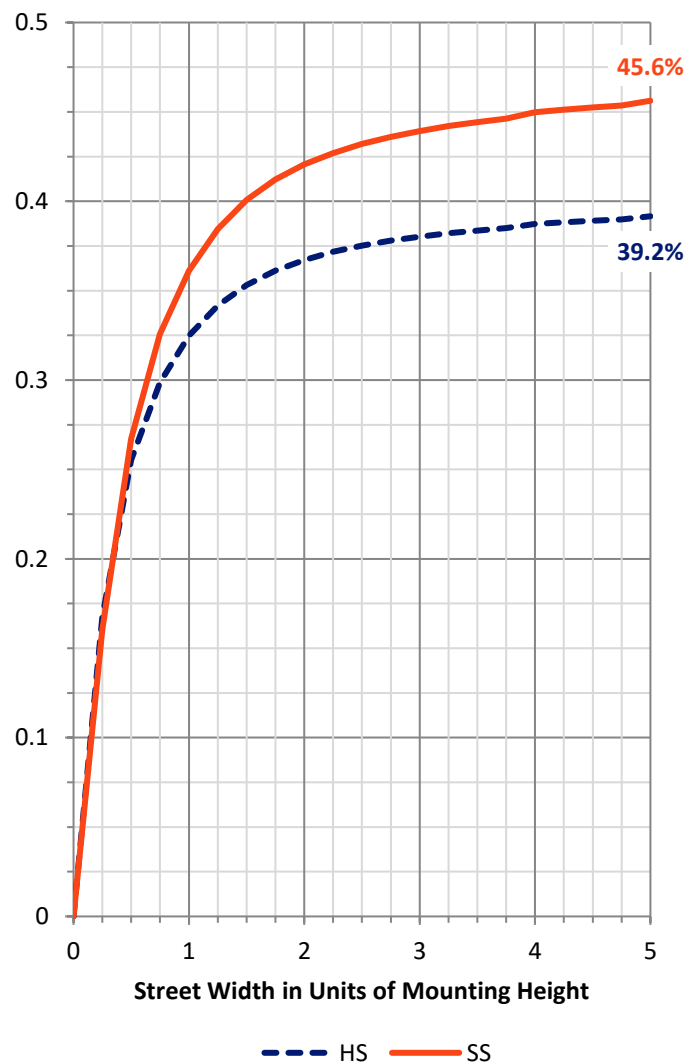
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2947.3	358.3	3305.6
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	3420.9	597.5	4018.4
	% Fixture	46.7	8.2	54.9
Total	Lumens	6368.1	955.9	7324.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.9	6.8
10°-20°	1060.1	14.5
20°-30°	1151.6	15.7
30°-40°	852.4	11.6
40°-50°	713.9	9.7
50°-60°	717.7	9.8
60°-70°	611.0	8.3
70°-80°	456.4	6.2
80°-90°	308.1	4.2
90°-100°	184.1	2.5
100°-110°	106.4	1.5
110°-120°	97.9	1.3
120°-130°	141.6	1.9
130°-140°	193.8	2.6
140°-150°	159.7	2.2
150°-160°	64.3	0.9
160°-170°	7.9	0.1
170°-180°	0.0	0.0
0°-90°	6368.1	86.9
0°-180°	7324.0	100.0

Coefficient of Utilization



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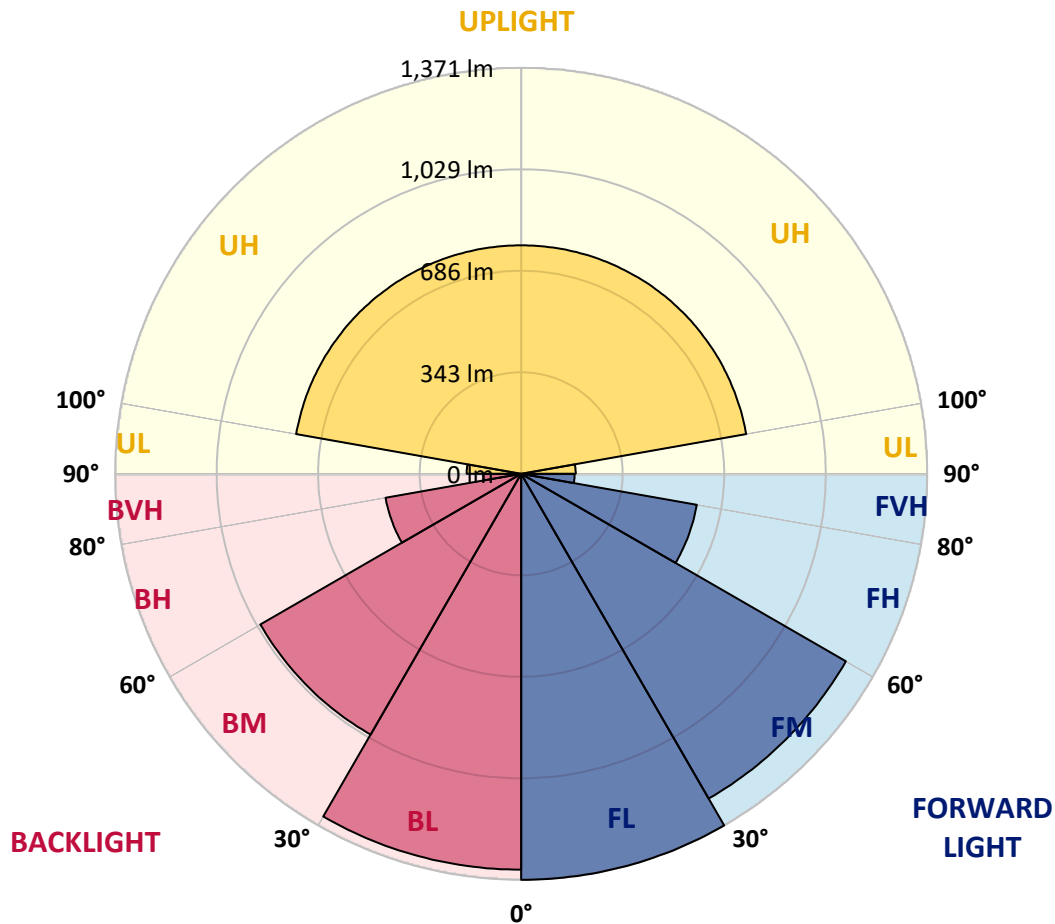
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1371.5	18.7			
FM	(30°-60°)	1266.6	17.3			
FH	(60°-80°)	602.4	8.2			G0/660
FVH	(80°-90°)	180.4	2.5			G2/225
BL	(0°-30°)	1337.1	18.3	B3/2500		
BM	(30°-60°)	1017.4	13.9	B2/2500		
BH	(60°-80°)	465.0	6.3	B1/500		G1/500
BVH	(80°-90°)	127.7	1.7			G2/225
UL	(90°-100°)	184.1	2.5		U3/500	
UH	(100°-180°)	771.7	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°	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4
2.5°	5239.4	5268.8	5333.4	5365.7	5398.0	5439.1	5500.8	5547.8	5656.4	5756.3	5797.4
5°	4323.1	4376.0	4499.3	4599.2	4710.8	4828.2	4954.5	5066.1	5210.0	5342.2	5418.6
7.5°	3715.2	3759.2	3906.1	4099.9	4296.7	4461.1	4590.4	4675.5	4740.1	4793.0	4848.8
10°	3345.1	3383.3	3530.1	3703.4	3870.8	4023.5	4132.2	4214.4	4237.9	4290.8	4317.2
12.5°	3239.4	3257.0	3359.8	3480.2	3583.0	3732.8	3862.0	3950.1	3988.3	4035.3	4050.0
15°	3242.3	3242.3	3301.1	3377.4	3471.4	3585.9	3729.8	3835.6	3891.4	3917.8	3914.9
17.5°	3286.4	3283.4	3309.9	3371.5	3450.8	3565.4	3712.2	3820.9	3885.5	3894.3	3885.5
20°	3286.4	3289.3	3298.1	3368.6	3445.0	3547.8	3697.5	3788.6	3838.5	3812.1	3782.7
22.5°	2951.6	2948.6	3025.0	3174.8	3380.4	3594.7	3729.8	3841.4	3853.2	3756.3	3677.0
25°	2437.6	2417.1	2461.1	2528.7	2666.7	2916.3	3198.3	3621.2	3873.8	3818.0	3697.5
27.5°	2114.6	2088.1	2126.3	2096.9	2082.3	2064.6	2047.0	1997.1	2029.4	2058.8	2188.0
30°	1594.7	1600.6	1609.4	1627.0	1662.3	1732.8	1806.2	1850.2	1888.4	1964.8	1956.0
32.5°	1559.5	1556.6	1559.5	1577.1	1594.7	1638.8	1682.8	1706.3	1735.7	1809.1	1791.5
35°	1442.0	1436.1	1456.7	1465.5	1462.6	1474.3	1518.4	1544.8	1571.2	1618.2	1600.6
37.5°	1268.7	1274.6	1318.7	1342.2	1351.0	1377.4	1412.6	1436.1	1468.4	1503.7	1494.9
40°	1139.5	1136.6	1183.6	1215.9	1236.4	1277.5	1330.4	1365.7	1418.5	1447.9	1427.3
42.5°	980.9	992.7	1027.9	1060.2	1066.1	1086.6	1133.6	1174.8	1239.4	1283.4	1271.7
45°	825.3	834.1	863.4	889.9	910.4	936.9	972.1	1007.4	1060.2	1095.5	1092.5
47.5°	728.3	737.2	760.7	793.0	822.3	860.5	895.8	931.0	980.9	1007.4	998.5
50°	690.2	696.0	722.5	757.7	801.8	848.8	895.8	933.9	980.9	998.5	983.9
52.5°	687.2	687.2	719.5	772.4	834.1	898.7	960.4	1013.2	1057.3	1057.3	1027.9
55°	646.1	652.0	693.1	763.6	857.6	963.3	1072.0	1171.8	1230.6	1218.8	1163.0
57.5°	587.4	590.3	634.4	701.9	801.8	931.0	1077.8	1204.1	1274.6	1289.3	1230.6
60°	552.1	555.1	584.4	649.1	734.2	837.0	972.1	1072.0	1142.4	1186.5	1139.5
62.5°	522.8	522.8	552.1	596.2	666.7	743.0	819.4	886.9	942.7	975.0	948.6
65°	490.5	490.5	511.0	552.1	607.9	681.4	740.1	790.0	839.9	863.4	839.9
67.5°	458.2	458.2	478.7	516.9	566.8	628.5	687.2	734.2	784.1	801.8	784.1
70°	425.8	425.8	446.4	478.7	525.7	584.4	628.5	678.4	725.4	737.2	722.5
72.5°	393.5	393.5	414.1	443.5	484.6	540.4	581.5	619.7	663.7	672.5	657.9
75°	364.2	364.2	378.9	408.2	446.4	496.3	537.5	572.7	607.9	607.9	596.2
77.5°	331.9	334.8	346.6	373.0	408.2	455.2	493.4	525.7	555.1	555.1	540.4
80°	299.6	302.5	314.2	337.7	370.0	414.1	449.3	478.7	505.1	505.1	490.5
82.5°	267.3	270.2	281.9	302.5	331.9	373.0	408.2	437.6	461.1	458.2	443.5
85°	237.9	240.8	249.6	267.3	293.7	334.8	367.1	393.5	414.1	411.2	399.4
87.5°	208.5	211.5	220.3	235.0	258.4	296.6	328.9	352.4	370.0	367.1	355.4
90°	182.1	182.1	190.9	205.6	226.1	258.4	287.8	308.4	326.0	320.1	308.4
92.5°	158.6	161.5	167.4	179.2	196.8	226.1	252.6	270.2	287.8	284.9	273.1
95°	141.0	141.0	146.8	155.7	170.3	193.8	220.3	235.0	246.7	246.7	237.9
97.5°	123.3	126.3	129.2	135.1	146.8	164.5	185.0	199.7	208.5	208.5	202.6
100°	111.6	114.5	114.5	120.4	126.3	138.0	152.7	164.5	173.3	173.3	170.3
102.5°	105.7	105.7	105.7	108.7	111.6	117.5	126.3	132.2	138.0	141.0	138.0
105°	99.9	99.9	99.9	102.8	102.8	108.7	111.6	117.5	120.4	120.4	117.5
107.5°	96.9	96.9	99.9	99.9	99.9	102.8	108.7	108.7	111.6	108.7	108.7
110°	99.9	99.9	99.9	99.9	99.9	102.8	105.7	105.7	105.7	105.7	102.8

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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	102.8	102.8	102.8	102.8	105.7	105.7	105.7	108.7	108.7	105.7	105.7
115°	111.6	111.6	111.6	111.6	111.6	114.5	114.5	114.5	114.5	111.6	108.7
117.5°	120.4	120.4	120.4	123.3	123.3	126.3	123.3	126.3	123.3	120.4	120.4
120°	135.1	135.1	138.0	141.0	143.9	143.9	141.0	143.9	143.9	138.0	135.1
122.5°	152.7	152.7	155.7	164.5	167.4	170.3	167.4	167.4	167.4	161.5	158.6
125°	170.3	173.3	179.2	190.9	199.7	205.6	199.7	202.6	202.6	193.8	190.9
127.5°	190.9	193.8	205.6	223.2	237.9	243.8	240.8	243.8	246.7	232.0	226.1
130°	211.5	211.5	229.1	255.5	276.1	284.9	287.8	290.8	293.7	279.0	267.3
132.5°	229.1	229.1	252.6	284.9	311.3	326.0	331.9	337.7	343.6	323.1	308.4
135°	240.8	243.8	273.1	311.3	343.6	364.2	373.0	378.9	387.7	364.2	346.6
137.5°	249.6	255.5	284.9	326.0	361.2	390.6	408.2	417.0	422.9	399.4	375.9
140°	252.6	255.5	287.8	328.9	364.2	396.5	422.9	437.6	440.5	417.0	393.5
142.5°	243.8	249.6	279.0	320.1	355.4	390.6	420.0	434.7	437.6	417.0	393.5
145°	232.0	235.0	261.4	299.6	334.8	373.0	405.3	420.0	420.0	402.4	378.9
147.5°	211.5	214.4	237.9	270.2	305.4	343.6	375.9	390.6	393.5	375.9	355.4
150°	182.1	185.0	202.6	229.1	264.3	302.5	331.9	349.5	349.5	331.9	317.2
152.5°	146.8	149.8	164.5	185.0	214.4	249.6	276.1	293.7	293.7	281.9	264.3
155°	114.5	114.5	126.3	143.9	164.5	190.9	211.5	226.1	229.1	217.3	205.6
157.5°	82.2	82.2	91.0	105.7	123.3	143.9	158.6	170.3	170.3	161.5	155.7
160°	55.8	55.8	61.7	70.5	82.2	96.9	108.7	120.4	120.4	114.5	108.7
162.5°	29.4	29.4	35.2	41.1	49.9	61.7	67.5	76.4	76.4	73.4	70.5
165°	8.8	8.8	11.7	14.7	20.6	26.4	29.4	35.2	38.2	35.2	32.3
167.5°	0.0	0.0	2.9	2.9	2.9	2.9	5.9	8.8	8.8	8.8	8.8
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°	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4	6355.4
2.5°	5841.5	6026.5	6193.9	6367.2	6581.6	6769.5	6972.2	7116.1	7177.8	7177.8	7201.2
5°	5474.4	5603.6	5738.7	5891.4	6146.9	6461.2	6822.4	7119.0	7289.4	7315.8	7312.8
7.5°	4866.4	4954.5	5092.6	5262.9	5497.9	5779.8	6243.8	6707.9	7016.2	7072.0	7051.5
10°	4331.9	4414.1	4496.4	4561.0	4728.4	4951.6	5292.3	5744.6	6099.9	6155.7	6111.7
12.5°	4058.8	4085.2	4082.3	4120.5	4188.0	4299.6	4472.9	4734.3	4978.0	5030.9	4992.7
15°	3914.9	3876.7	3818.0	3750.4	3744.5	3762.2	3806.2	3911.9	4014.7	4058.8	4029.4
17.5°	3856.1	3765.1	3644.7	3512.5	3424.4	3342.2	3286.4	3251.1	3265.8	3268.8	3245.3
20°	3718.1	3609.4	3415.6	3227.6	3086.7	2942.8	2819.4	2728.4	2713.7	2699.0	2681.4
22.5°	3562.4	3377.4	3145.4	2916.3	2707.8	2516.9	2378.9	2270.2	2229.1	2243.8	2235.0
25°	3530.1	3221.8	2939.8	2569.8	2305.5	2091.1	1832.6	1656.4	1577.1	1621.2	1591.8
27.5°	2117.5	2126.3	1967.7	1744.5	1553.6	1427.3	1312.8	1218.8	1165.9	1165.9	1171.8
30°	1917.8	1832.6	1726.9	1588.9	1421.5	1295.2	1168.9	1066.1	1010.3	995.6	1001.5
32.5°	1753.3	1694.6	1594.7	1462.6	1309.9	1180.6	1048.5	954.5	901.6	898.7	895.8
35°	1577.1	1515.4	1433.2	1318.7	1186.5	1066.1	951.6	869.3	822.3	825.3	825.3
37.5°	1456.7	1400.9	1327.5	1218.8	1098.4	978.0	875.2	798.8	760.7	760.7	757.7
40°	1395.0	1330.4	1251.1	1151.3	1039.7	913.4	816.5	743.0	710.7	710.7	707.8
42.5°	1259.9	1204.1	1151.3	1048.5	936.9	834.1	743.0	678.4	646.1	646.1	646.1
45°	1069.0	1036.7	995.6	925.1	834.1	748.9	672.5	610.9	584.4	581.5	581.5
47.5°	986.8	951.6	901.6	837.0	763.6	684.3	610.9	566.8	540.4	540.4	540.4
50°	963.3	922.2	854.6	778.3	701.9	631.4	566.8	525.7	502.2	502.2	505.1
52.5°	995.6	928.1	837.0	743.0	663.7	584.4	528.6	487.5	469.9	469.9	467.0
55°	1107.2	980.9	848.8	734.2	634.4	549.2	490.5	446.4	425.8	425.8	425.8
57.5°	1168.9	1019.1	857.6	722.5	607.9	522.8	461.1	414.1	393.5	393.5	393.5
60°	1098.4	975.0	822.3	699.0	587.4	499.3	434.7	390.6	370.0	367.1	364.2
62.5°	919.2	842.9	734.2	631.4	543.3	467.0	414.1	370.0	349.5	349.5	346.6
65°	819.4	754.8	660.8	572.7	499.3	434.7	384.7	349.5	328.9	326.0	326.0
67.5°	763.6	704.9	610.9	528.6	461.1	402.4	355.4	323.1	308.4	302.5	302.5
70°	701.9	637.3	555.1	481.6	420.0	367.1	328.9	296.6	281.9	279.0	276.1
72.5°	640.2	581.5	505.1	434.7	378.9	334.8	299.6	270.2	255.5	252.6	252.6
75°	575.6	519.8	446.4	387.7	340.7	299.6	267.3	243.8	232.0	229.1	226.1
77.5°	522.8	472.8	402.4	346.6	302.5	270.2	240.8	220.3	208.5	208.5	205.6
80°	472.8	425.8	358.3	308.4	270.2	237.9	214.4	196.8	188.0	185.0	185.0
82.5°	425.8	378.9	317.2	273.1	237.9	211.5	188.0	173.3	164.5	164.5	164.5
85°	381.8	337.7	281.9	240.8	208.5	185.0	164.5	149.8	143.9	141.0	143.9
87.5°	337.7	296.6	249.6	211.5	182.1	158.6	141.0	129.2	123.3	123.3	123.3
90°	296.6	258.4	214.4	179.2	155.7	135.1	120.4	108.7	105.7	102.8	102.8
92.5°	261.4	229.1	190.9	161.5	138.0	123.3	108.7	99.9	94.0	94.0	94.0
95°	229.1	199.7	170.3	143.9	126.3	111.6	99.9	91.0	88.1	88.1	88.1
97.5°	196.8	173.3	149.8	129.2	114.5	102.8	91.0	85.2	82.2	79.3	82.2
100°	164.5	146.8	129.2	114.5	102.8	91.0	82.2	76.4	73.4	73.4	73.4
102.5°	132.2	123.3	108.7	96.9	88.1	82.2	73.4	67.5	64.6	64.6	64.6
105°	114.5	105.7	96.9	88.1	82.2	73.4	67.5	61.7	58.7	58.7	58.7
107.5°	105.7	99.9	91.0	85.2	76.4	70.5	64.6	55.8	52.9	52.9	52.9
110°	102.8	96.9	91.0	82.2	76.4	70.5	64.6	52.9	49.9	49.9	49.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	102.8	96.9	91.0	85.2	79.3	70.5	64.6	52.9	47.0	47.0	47.0
115°	108.7	102.8	96.9	91.0	82.2	73.4	67.5	52.9	47.0	47.0	47.0
117.5°	117.5	111.6	105.7	96.9	88.1	79.3	67.5	52.9	49.9	49.9	49.9
120°	132.2	126.3	117.5	108.7	96.9	85.2	73.4	55.8	47.0	49.9	49.9
122.5°	152.7	146.8	135.1	120.4	108.7	94.0	76.4	58.7	44.1	49.9	49.9
125°	182.1	173.3	155.7	138.0	120.4	102.8	82.2	61.7	47.0	52.9	52.9
127.5°	214.4	202.6	179.2	155.7	135.1	111.6	88.1	64.6	49.9	52.9	52.9
130°	252.6	232.0	202.6	173.3	146.8	120.4	94.0	67.5	52.9	52.9	52.9
132.5°	290.8	261.4	223.2	190.9	158.6	126.3	96.9	67.5	52.9	52.9	52.9
135°	323.1	287.8	243.8	202.6	164.5	129.2	99.9	67.5	52.9	52.9	52.9
137.5°	352.4	305.4	255.5	208.5	167.4	129.2	96.9	67.5	49.9	49.9	49.9
140°	367.1	314.2	261.4	208.5	164.5	126.3	91.0	61.7	47.0	47.0	47.0
142.5°	367.1	311.3	255.5	202.6	158.6	120.4	85.2	58.7	41.1	44.1	44.1
145°	355.4	299.6	243.8	190.9	146.8	108.7	76.4	49.9	38.2	38.2	38.2
147.5°	328.9	276.1	223.2	173.3	132.2	94.0	67.5	44.1	32.3	29.4	32.3
150°	293.7	243.8	193.8	149.8	111.6	79.3	55.8	35.2	26.4	26.4	26.4
152.5°	246.7	202.6	161.5	123.3	88.1	61.7	41.1	26.4	20.6	20.6	20.6
155°	193.8	158.6	126.3	94.0	67.5	47.0	32.3	20.6	14.7	14.7	14.7
157.5°	146.8	120.4	94.0	67.5	49.9	35.2	23.5	14.7	11.7	11.7	11.7
160°	102.8	82.2	64.6	47.0	32.3	23.5	14.7	8.8	5.9	5.9	5.9
162.5°	64.6	52.9	41.1	26.4	20.6	14.7	8.8	5.9	2.9	2.9	2.9
165°	29.4	26.4	17.6	11.7	8.8	5.9	2.9	2.9	0.0	0.0	0.0
167.5°	8.8	5.9	5.9	2.9	2.9	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)