

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: P691773

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-8)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND NEMA REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6595 lumens
Efficiency: N/A
Efficacy: 88.1 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

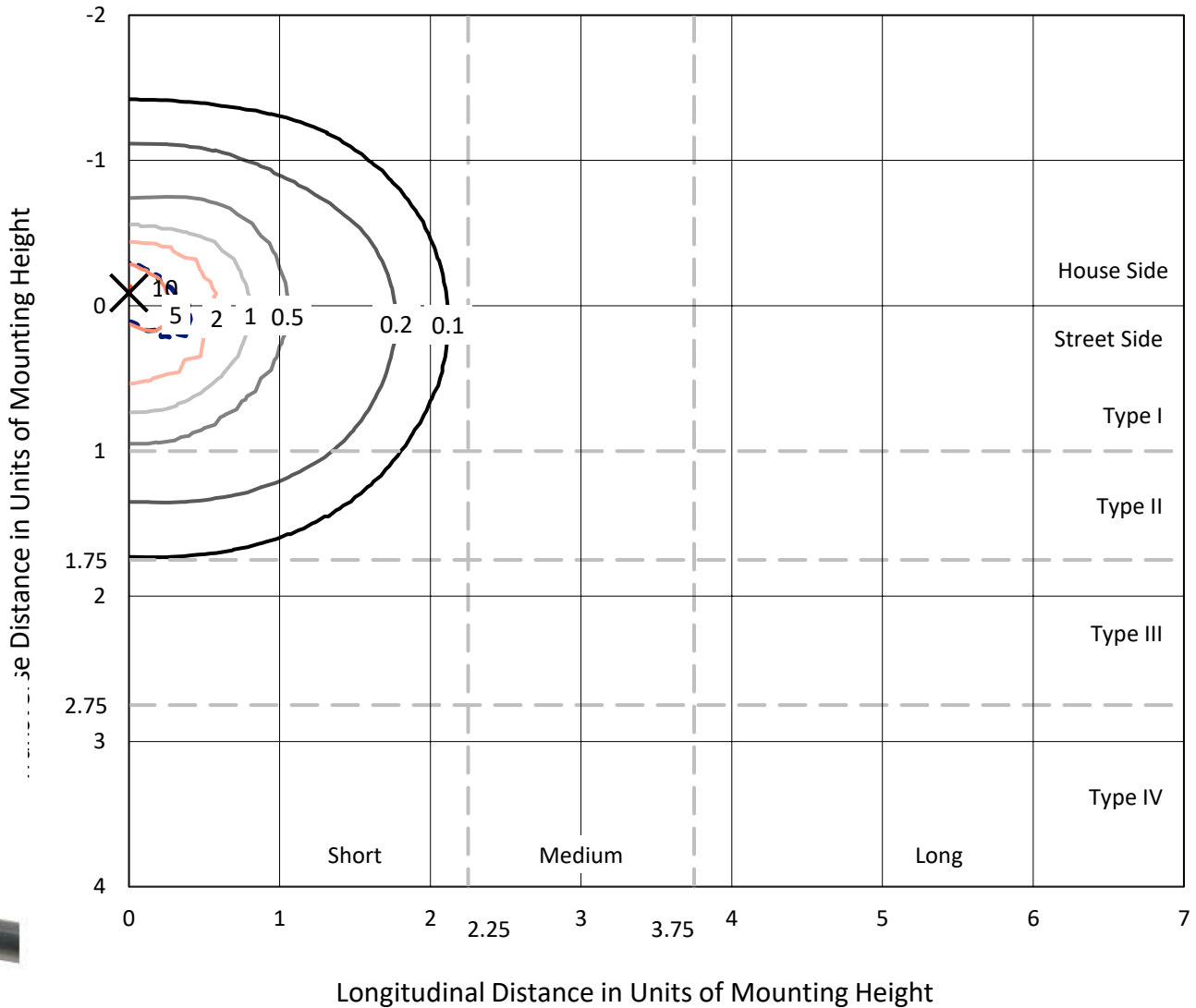


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

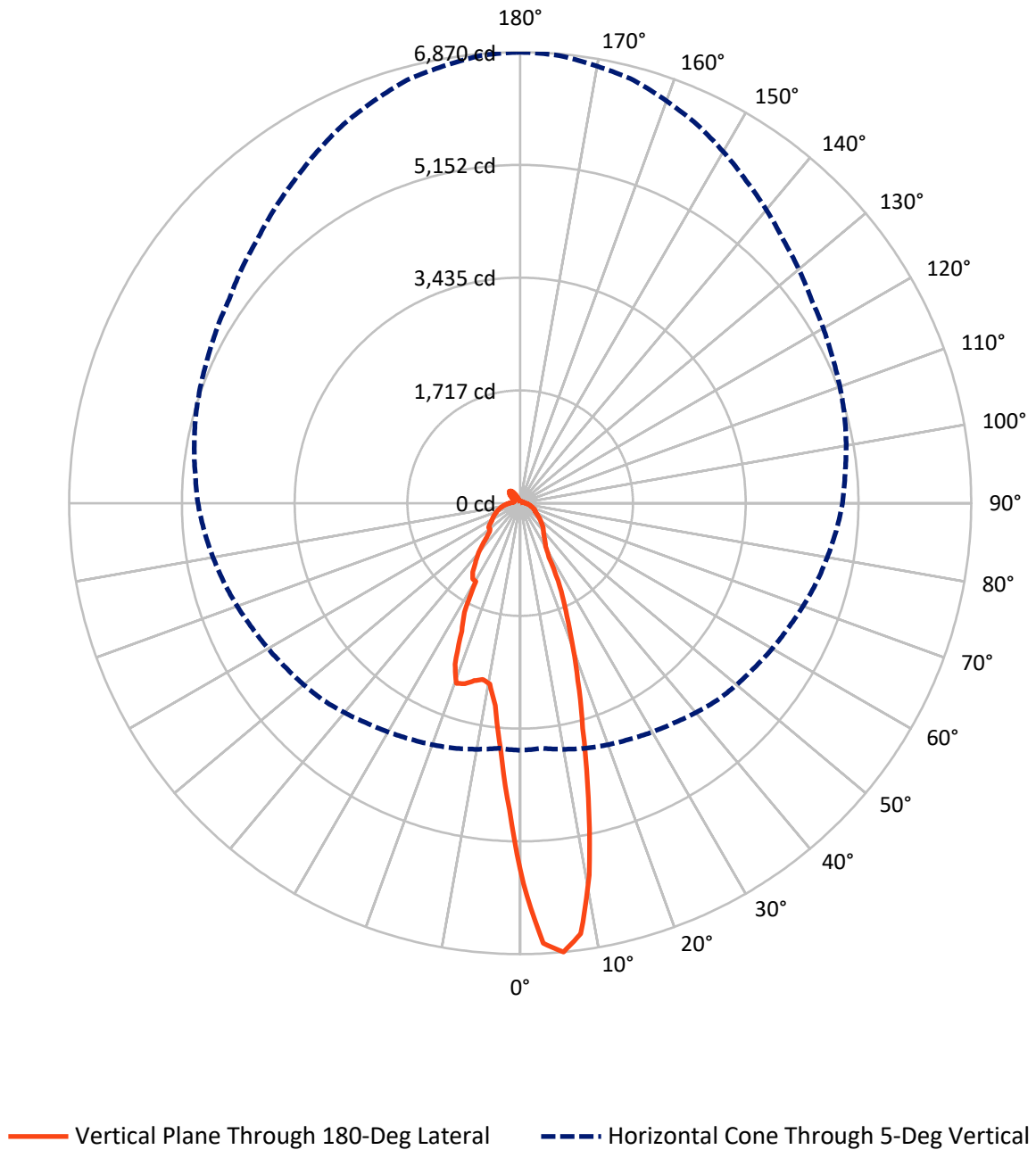


Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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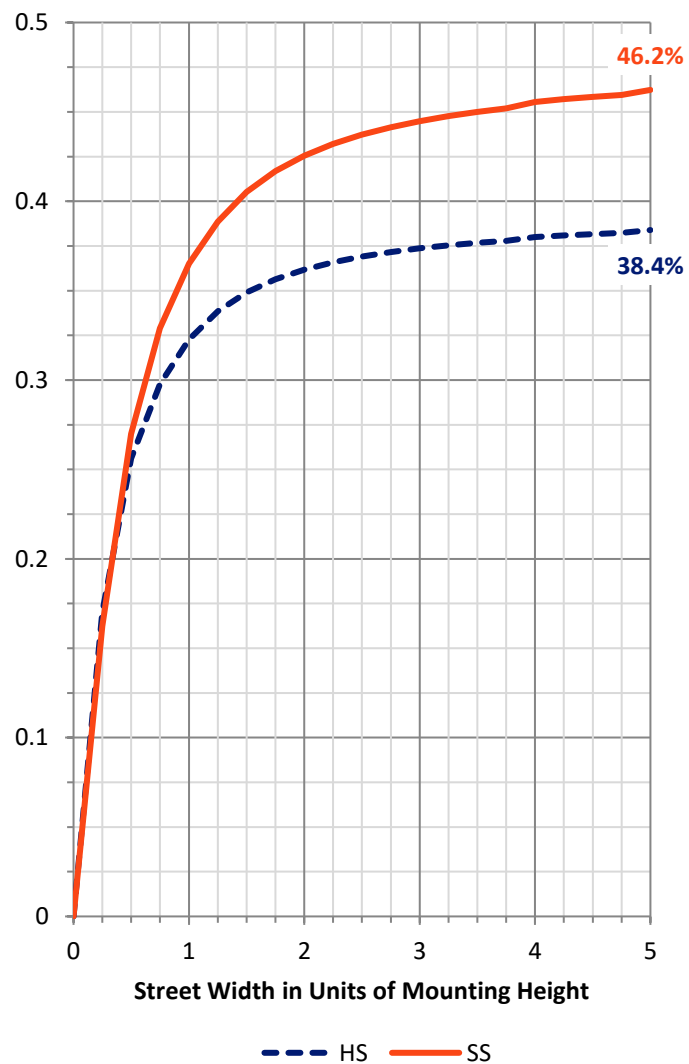
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2599.0	305.2	2904.2
	% Fixture	39.4	4.6	44.0
Street Side	Lumens	3123.6	567.2	3690.8
	% Fixture	47.4	8.6	56.0
Total	Lumens	5722.6	872.4	6595.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.8	6.8
10°-20°	952.3	14.4
20°-30°	1036.3	15.7
30°-40°	758.6	11.5
40°-50°	637.8	9.7
50°-60°	647.7	9.8
60°-70°	550.6	8.3
70°-80°	410.9	6.2
80°-90°	279.6	4.2
90°-100°	167.9	2.5
100°-110°	96.3	1.5
110°-120°	88.6	1.3
120°-130°	128.8	2.0
130°-140°	177.1	2.7
140°-150°	146.6	2.2
150°-160°	59.6	0.9
160°-170°	7.4	0.1
170°-180°	0.0	0.0
0°-90°	5722.6	86.8
0°-180°	6595.0	100.0

Coefficient of Utilization



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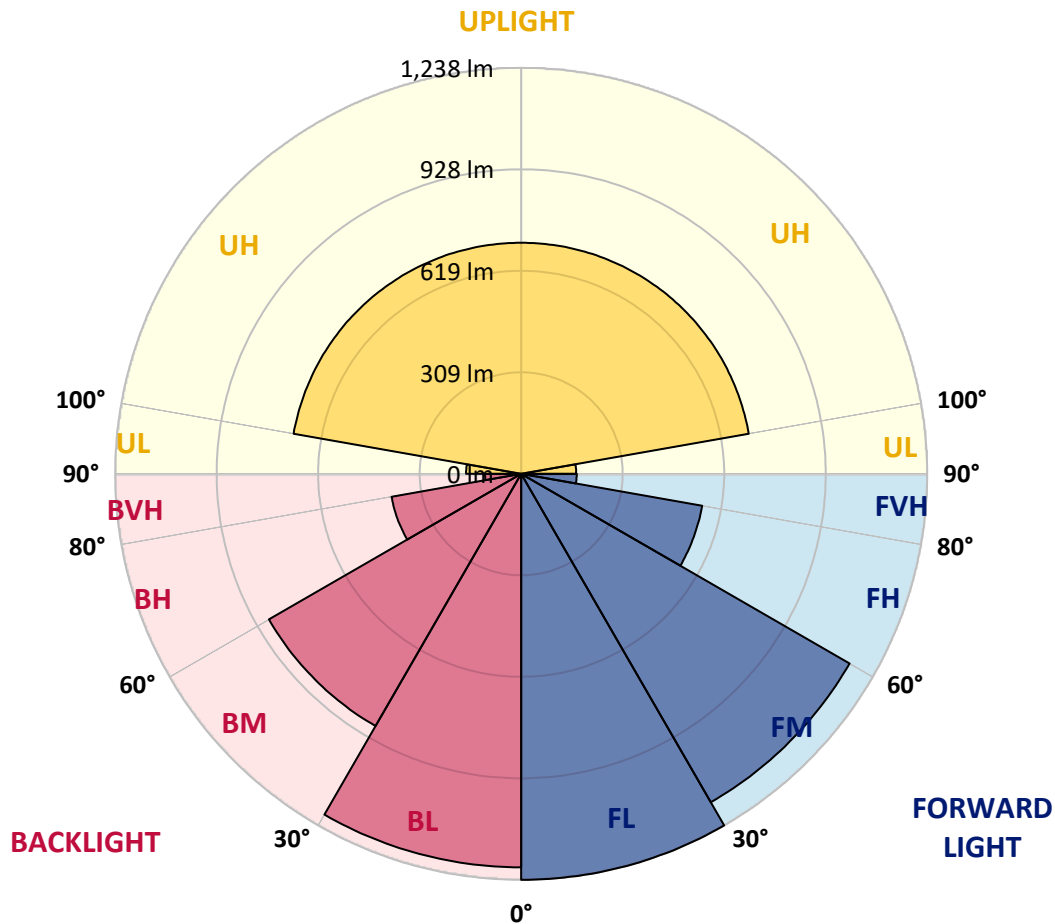
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1237.8	18.8			
FM	(30°-60°)	1156.2	17.5			
FH	(60°-80°)	560.3	8.5			G0/660
FVH	(80°-90°)	169.4	2.6			G2/225
BL	(0°-30°)	1199.6	18.2	B3/2500		
BM	(30°-60°)	887.9	13.5	B1/1000		
BH	(60°-80°)	401.2	6.1	B1/500		G1/500
BVH	(80°-90°)	110.3	1.7			G2/225
UL	(90°-100°)	167.9	2.5		U3/500	
UH	(100°-180°)	704.4	10.7		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°	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5
2.5°	4675.6	4666.8	4731.4	4746.1	4751.9	4819.5	4910.5	4972.2	5083.8	5192.5	5236.5
5°	3765.1	3747.5	3865.0	3964.8	4085.3	4243.9	4361.3	4502.3	4669.7	4831.2	4907.6
7.5°	3104.3	3127.8	3295.2	3500.8	3694.6	3882.6	4026.5	4146.9	4243.9	4346.6	4367.2
10°	2793.0	2813.6	2978.0	3174.8	3354.0	3544.9	3668.2	3771.0	3832.7	3909.0	3935.5
12.5°	2743.1	2757.8	2869.4	3007.4	3142.5	3315.8	3471.4	3586.0	3656.5	3718.1	3724.0
15°	2793.0	2798.9	2866.4	2957.5	3075.0	3218.9	3398.0	3527.2	3606.5	3633.0	3627.1
17.5°	2875.2	2875.2	2907.6	2983.9	3095.5	3233.6	3403.9	3536.1	3618.3	3630.0	3606.5
20°	2910.5	2916.4	2936.9	3022.1	3121.9	3248.2	3418.6	3530.2	3594.8	3562.5	3521.4
22.5°	2646.2	2634.4	2690.2	2869.4	3092.6	3318.7	3480.3	3606.5	3641.8	3533.1	3445.0
25°	2141.0	2146.9	2182.1	2270.2	2443.5	2652.0	3010.3	3395.1	3662.3	3621.2	3489.1
27.5°	1867.9	1850.3	1859.1	1873.8	1850.3	1806.2	1847.3	1838.5	1832.6	1938.4	1950.1
30°	1371.5	1374.5	1389.2	1415.6	1471.4	1553.6	1641.7	1691.7	1735.7	1818.0	1806.2
32.5°	1362.7	1365.7	1374.5	1398.0	1427.3	1483.1	1538.9	1559.5	1606.5	1674.0	1653.5
35°	1274.6	1265.8	1289.3	1309.9	1318.7	1342.2	1386.2	1415.6	1445.0	1492.0	1480.2
37.5°	1130.7	1133.7	1180.6	1212.9	1221.8	1254.1	1295.2	1318.7	1351.0	1392.1	1371.5
40°	1007.4	1010.3	1066.1	1101.3	1121.9	1166.0	1227.6	1257.0	1309.9	1342.2	1318.7
42.5°	866.4	878.1	916.3	957.4	969.2	995.6	1036.7	1074.9	1142.5	1186.5	1171.8
45°	722.5	728.4	754.8	795.9	813.5	842.9	881.1	916.3	969.2	1004.4	1001.5
47.5°	637.3	643.2	666.7	701.9	737.2	775.3	816.5	851.7	901.6	931.0	919.3
50°	602.1	607.9	637.3	678.4	722.5	772.4	822.3	860.5	907.5	925.1	910.4
52.5°	607.9	607.9	649.1	701.9	763.6	831.1	892.8	939.8	978.0	989.7	957.4
55°	575.6	584.4	628.5	701.9	795.9	901.6	1007.4	1107.2	1163.0	1151.3	1089.6
57.5°	525.7	534.5	566.8	646.1	746.0	872.3	1022.0	1145.4	1212.9	1221.8	1160.1
60°	496.3	502.2	531.6	593.3	681.4	784.2	919.3	1019.1	1095.5	1119.0	1074.9
62.5°	469.9	475.8	499.3	546.3	610.9	690.2	766.5	831.1	892.8	916.3	898.7
65°	440.5	443.5	467.0	508.1	561.0	628.5	693.1	740.1	790.0	804.7	784.2
67.5°	411.2	414.1	434.7	472.8	522.8	584.4	634.4	687.2	737.2	748.9	734.2
70°	384.7	387.7	405.3	440.5	484.6	543.3	590.3	625.6	675.5	687.2	669.6
72.5°	358.3	361.2	378.9	411.2	452.3	505.2	546.3	581.5	622.6	625.6	610.9
75°	331.9	334.8	349.5	378.9	414.1	467.0	505.2	534.5	569.8	569.8	552.1
77.5°	302.5	308.4	320.1	346.6	378.9	428.8	464.0	493.4	522.8	519.8	502.2
80°	276.1	279.0	290.8	314.3	343.6	390.6	425.9	449.3	475.8	472.8	458.2
82.5°	246.7	249.6	258.4	281.9	308.4	352.4	387.7	411.2	434.7	428.8	414.1
85°	217.3	220.3	232.0	249.6	276.1	317.2	349.5	373.0	390.6	384.7	373.0
87.5°	193.8	193.8	202.6	220.3	243.8	281.9	311.3	334.8	349.5	346.6	334.8
90°	167.4	170.3	176.2	190.9	211.5	243.8	273.1	293.7	308.4	302.5	290.8
92.5°	146.8	146.8	152.7	167.4	185.0	214.4	240.8	258.4	270.2	267.3	258.4
95°	126.3	129.2	132.2	143.9	158.6	182.1	205.6	223.2	235.0	232.0	226.1
97.5°	111.6	114.5	117.5	123.4	138.0	152.7	173.3	188.0	199.7	196.8	190.9
100°	102.8	102.8	102.8	108.7	117.5	129.2	143.9	155.7	161.5	164.5	158.6
102.5°	94.0	94.0	96.9	96.9	102.8	108.7	117.5	126.3	129.2	129.2	129.2
105°	91.0	91.0	94.0	94.0	96.9	99.9	105.7	108.7	111.6	111.6	108.7
107.5°	91.0	91.0	91.0	91.0	94.0	96.9	99.9	102.8	102.8	102.8	99.9
110°	94.0	94.0	94.0	94.0	94.0	96.9	96.9	99.9	99.9	96.9	96.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	96.9	96.9	96.9	96.9	96.9	99.9	99.9	99.9	99.9	96.9	96.9
115°	102.8	102.8	102.8	105.7	105.7	105.7	105.7	105.7	105.7	102.8	99.9
117.5°	114.5	114.5	114.5	114.5	117.5	117.5	117.5	117.5	117.5	111.6	111.6
120°	129.2	126.3	129.2	132.2	135.1	135.1	135.1	135.1	135.1	129.2	126.3
122.5°	143.9	143.9	146.8	152.7	158.6	161.5	158.6	158.6	158.6	149.8	146.8
125°	161.5	161.5	170.3	182.1	190.9	193.8	190.9	190.9	190.9	182.1	176.2
127.5°	182.1	182.1	193.8	211.5	226.1	235.0	232.0	232.0	232.0	217.3	208.5
130°	202.6	202.6	220.3	243.8	267.3	273.1	276.1	279.0	279.0	261.4	249.6
132.5°	217.3	220.3	240.8	273.1	302.5	311.3	320.1	323.1	323.1	302.5	284.9
135°	232.0	235.0	261.4	299.6	331.9	352.4	361.2	364.2	367.1	343.6	323.1
137.5°	240.8	243.8	273.1	317.2	349.5	375.9	396.5	402.4	402.4	375.9	349.5
140°	240.8	243.8	276.1	317.2	352.4	384.7	408.2	420.0	420.0	393.5	370.1
142.5°	235.0	240.8	270.2	311.3	346.6	378.9	405.3	417.0	417.0	393.5	370.1
145°	223.2	226.1	255.5	290.8	326.0	364.2	393.5	405.3	405.3	381.8	358.3
147.5°	202.6	205.6	229.1	261.4	296.6	334.8	364.2	378.9	375.9	355.4	334.8
150°	176.2	176.2	196.8	223.2	258.4	293.7	323.1	337.7	337.7	317.2	299.6
152.5°	143.9	143.9	158.6	179.2	208.5	243.8	267.3	281.9	281.9	267.3	252.6
155°	111.6	111.6	123.4	138.0	161.5	188.0	205.6	220.3	220.3	208.5	196.8
157.5°	79.3	79.3	91.0	102.8	120.4	141.0	155.7	164.5	167.4	155.7	149.8
160°	52.9	52.9	58.7	67.5	82.2	96.9	105.7	114.5	117.5	108.7	105.7
162.5°	29.4	29.4	32.3	41.1	49.9	58.7	67.5	73.4	73.4	70.5	67.5
165°	8.8	8.8	11.7	14.7	20.6	26.4	29.4	32.3	35.2	35.2	32.3
167.5°	0.0	0.0	2.9	2.9	2.9	2.9	5.9	5.9	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°	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5	5797.5
2.5°	5327.6	5492.0	5671.2	5844.5	6055.9	6276.2	6478.9	6616.9	6690.3	6713.8	6713.8
5°	4966.3	5116.1	5248.3	5412.7	5668.3	6000.1	6367.2	6672.7	6846.0	6866.5	6869.5
7.5°	4402.4	4525.8	4663.8	4810.7	5036.8	5333.5	5818.0	6311.4	6593.4	6646.3	6625.7
10°	3941.3	4017.7	4099.9	4155.7	4314.3	4534.6	4863.5	5348.1	5694.7	5735.8	5765.2
12.5°	3727.0	3738.7	3715.2	3727.0	3779.8	3882.6	4044.1	4323.1	4549.3	4587.5	4608.0
15°	3618.3	3559.5	3465.6	3377.5	3330.5	3339.3	3374.5	3489.1	3527.2	3591.9	3562.5
17.5°	3568.4	3436.2	3289.4	3119.0	3013.3	2904.6	2845.9	2825.3	2810.6	2813.6	2840.0
20°	3442.1	3292.3	3057.3	2834.1	2663.8	2514.0	2387.7	2296.7	2246.7	2223.3	2240.9
22.5°	3309.9	3077.9	2801.8	2561.0	2317.2	2126.3	1982.4	1850.3	1776.8	1797.4	1773.9
25°	3312.8	2966.3	2637.4	2320.2	2091.1	1838.5	1609.4	1471.4	1351.0	1374.5	1406.8
27.5°	2088.2	1997.1	1762.2	1577.1	1348.0	1221.8	1107.2	1010.3	942.8	945.7	936.9
30°	1771.0	1677.0	1559.5	1412.7	1239.4	1092.5	960.4	848.8	784.2	766.5	763.6
32.5°	1635.9	1556.6	1447.9	1304.0	1145.4	998.6	866.4	763.6	699.0	696.1	696.1
35°	1456.7	1383.3	1292.2	1168.9	1033.8	898.7	775.3	687.2	634.4	634.4	631.4
37.5°	1345.1	1280.5	1192.4	1077.9	957.4	822.3	713.7	634.4	578.6	575.6	578.6
40°	1286.4	1218.8	1133.7	1025.0	904.6	775.3	672.6	590.3	549.2	546.3	543.3
42.5°	1168.9	1116.0	1042.6	942.8	837.0	722.5	625.6	552.1	516.9	514.0	516.9
45°	992.7	954.5	904.6	831.1	743.0	646.1	561.0	505.2	469.9	469.9	469.9
47.5°	910.4	875.2	819.4	746.0	669.6	578.6	508.1	461.1	428.8	428.8	428.8
50°	889.9	845.8	772.4	690.2	607.9	528.6	464.0	417.0	393.5	390.6	393.5
52.5°	919.3	851.7	751.9	654.9	563.9	487.5	425.9	381.8	358.3	358.3	358.3
55°	1025.0	901.6	769.5	646.1	537.5	452.3	390.6	346.6	323.1	320.1	323.1
57.5°	1095.5	939.8	775.3	637.3	519.8	428.8	361.2	314.3	290.8	287.8	290.8
60°	1033.8	907.5	748.9	613.8	505.2	411.2	340.7	293.7	270.2	267.3	267.3
62.5°	857.6	784.2	669.6	555.1	467.0	384.7	320.1	276.1	252.6	249.6	252.6
65°	760.7	696.1	596.2	505.2	428.8	358.3	302.5	264.3	240.8	240.8	240.8
67.5°	707.8	649.1	555.1	467.0	396.5	331.9	279.0	243.8	223.2	223.2	223.2
70°	646.1	587.4	502.2	422.9	358.3	302.5	255.5	220.3	202.6	199.7	202.6
72.5°	593.3	534.5	455.2	381.8	323.1	273.1	232.0	199.7	185.0	182.1	185.0
75°	534.5	478.7	402.4	337.7	287.8	243.8	208.5	179.2	167.4	164.5	164.5
77.5°	484.6	431.7	361.2	302.5	258.4	217.3	185.0	164.5	152.7	149.8	149.8
80°	440.5	390.6	323.1	270.2	229.1	193.8	167.4	146.8	135.1	135.1	135.1
82.5°	393.5	349.5	287.8	237.9	202.6	173.3	146.8	129.2	120.4	120.4	120.4
85°	355.4	311.3	252.6	211.5	176.2	149.8	129.2	114.5	105.7	105.7	105.7
87.5°	314.3	276.1	223.2	185.0	155.7	132.2	111.6	96.9	94.0	91.0	91.0
90°	273.1	237.9	190.9	158.6	132.2	111.6	94.0	82.2	79.3	76.4	76.4
92.5°	243.8	211.5	173.3	143.9	120.4	99.9	88.1	76.4	73.4	73.4	70.5
95°	211.5	185.0	152.7	129.2	108.7	94.0	82.2	73.4	70.5	70.5	67.5
97.5°	182.1	158.6	135.1	117.5	99.9	88.1	76.4	70.5	64.6	64.6	64.6
100°	152.7	135.1	117.5	99.9	91.0	79.3	70.5	64.6	61.7	58.7	58.7
102.5°	123.4	111.6	96.9	88.1	76.4	67.5	61.7	55.8	52.9	52.9	52.9
105°	105.7	96.9	88.1	79.3	70.5	61.7	55.8	49.9	47.0	47.0	47.0
107.5°	96.9	91.0	82.2	73.4	67.5	58.7	52.9	44.1	41.1	44.1	44.1
110°	94.0	88.1	79.3	73.4	64.6	58.7	52.9	41.1	38.2	41.1	41.1

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

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	94.0	88.1	82.2	73.4	67.5	58.7	52.9	41.1	38.2	38.2	38.2
115°	96.9	94.0	85.2	79.3	70.5	61.7	52.9	41.1	38.2	38.2	38.2
117.5°	108.7	102.8	94.0	85.2	76.4	64.6	55.8	41.1	38.2	38.2	38.2
120°	120.4	114.5	105.7	94.0	82.2	70.5	58.7	41.1	35.2	38.2	38.2
122.5°	141.0	132.2	120.4	105.7	91.0	76.4	58.7	44.1	32.3	38.2	38.2
125°	167.4	155.7	138.0	117.5	99.9	82.2	61.7	44.1	35.2	38.2	38.2
127.5°	196.8	182.1	158.6	132.2	108.7	85.2	64.6	44.1	35.2	35.2	38.2
130°	235.0	211.5	179.2	146.8	117.5	91.0	64.6	44.1	35.2	35.2	35.2
132.5°	267.3	237.9	196.8	158.6	123.4	94.0	64.6	44.1	32.3	32.3	32.3
135°	299.6	261.4	211.5	167.4	129.2	94.0	64.6	41.1	32.3	32.3	32.3
137.5°	326.0	276.1	223.2	170.3	129.2	91.0	61.7	38.2	29.4	29.4	29.4
140°	340.7	284.9	226.1	170.3	123.4	88.1	55.8	35.2	26.4	26.4	26.4
142.5°	340.7	281.9	223.2	164.5	117.5	82.2	49.9	29.4	23.5	23.5	23.5
145°	328.9	270.2	211.5	155.7	108.7	73.4	44.1	26.4	17.6	17.6	20.6
147.5°	308.4	249.6	193.8	141.0	96.9	61.7	38.2	20.6	14.7	14.7	14.7
150°	273.1	220.3	167.4	123.4	82.2	52.9	32.3	17.6	11.7	11.7	11.7
152.5°	229.1	182.1	141.0	102.8	67.5	41.1	23.5	14.7	8.8	8.8	8.8
155°	182.1	143.9	111.6	79.3	49.9	32.3	17.6	11.7	8.8	8.8	8.8
157.5°	135.1	108.7	82.2	58.7	38.2	23.5	14.7	8.8	5.9	5.9	5.9
160°	94.0	76.4	55.8	38.2	23.5	14.7	8.8	5.9	2.9	2.9	2.9
162.5°	61.7	47.0	35.2	23.5	14.7	8.8	5.9	2.9	2.9	2.9	2.9
165°	29.4	23.5	17.6	11.7	5.9	5.9	2.9	2.9	0.0	0.0	0.0
167.5°	8.8	5.9	2.9	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)