

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: P691043

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3124.9 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

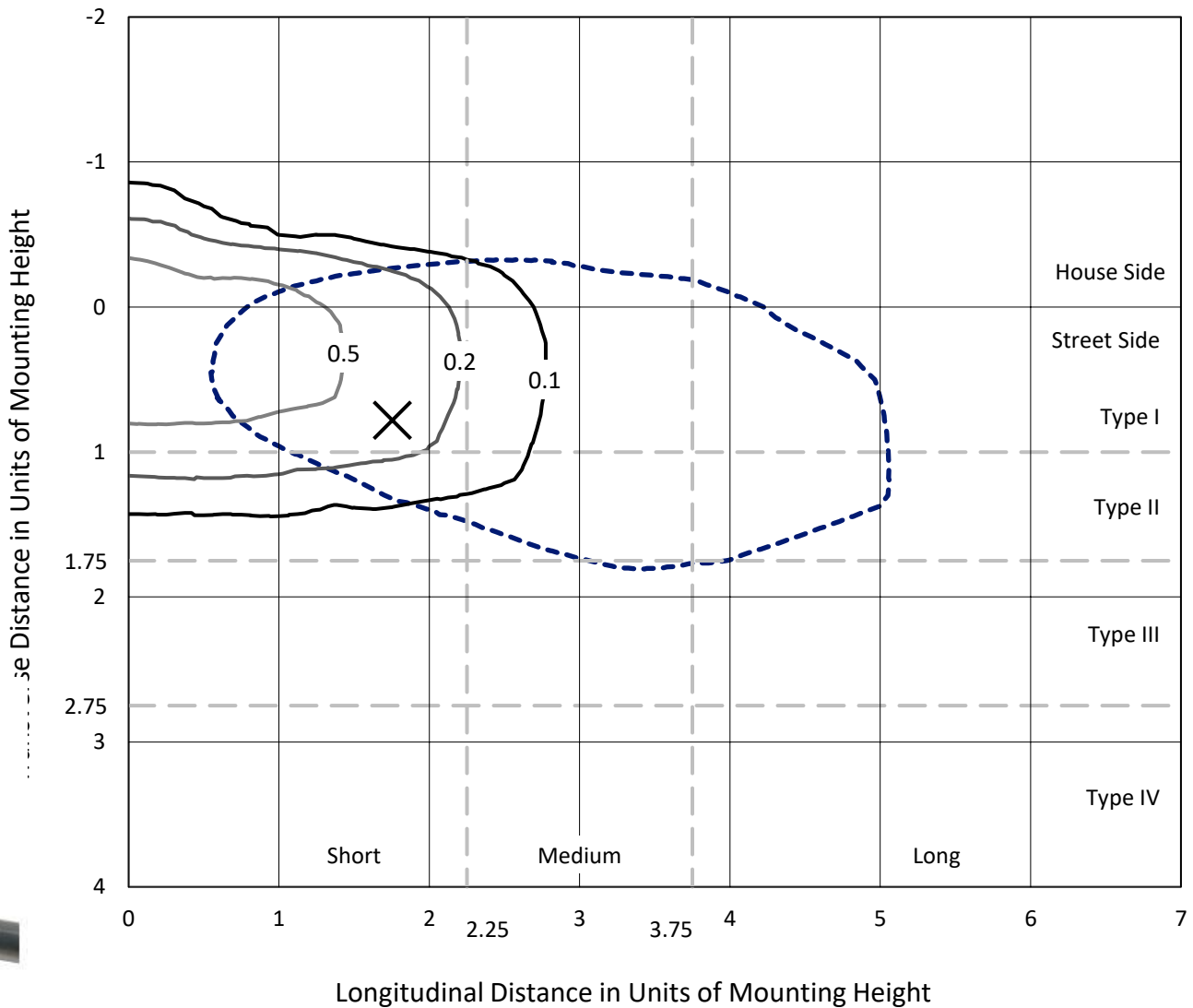
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

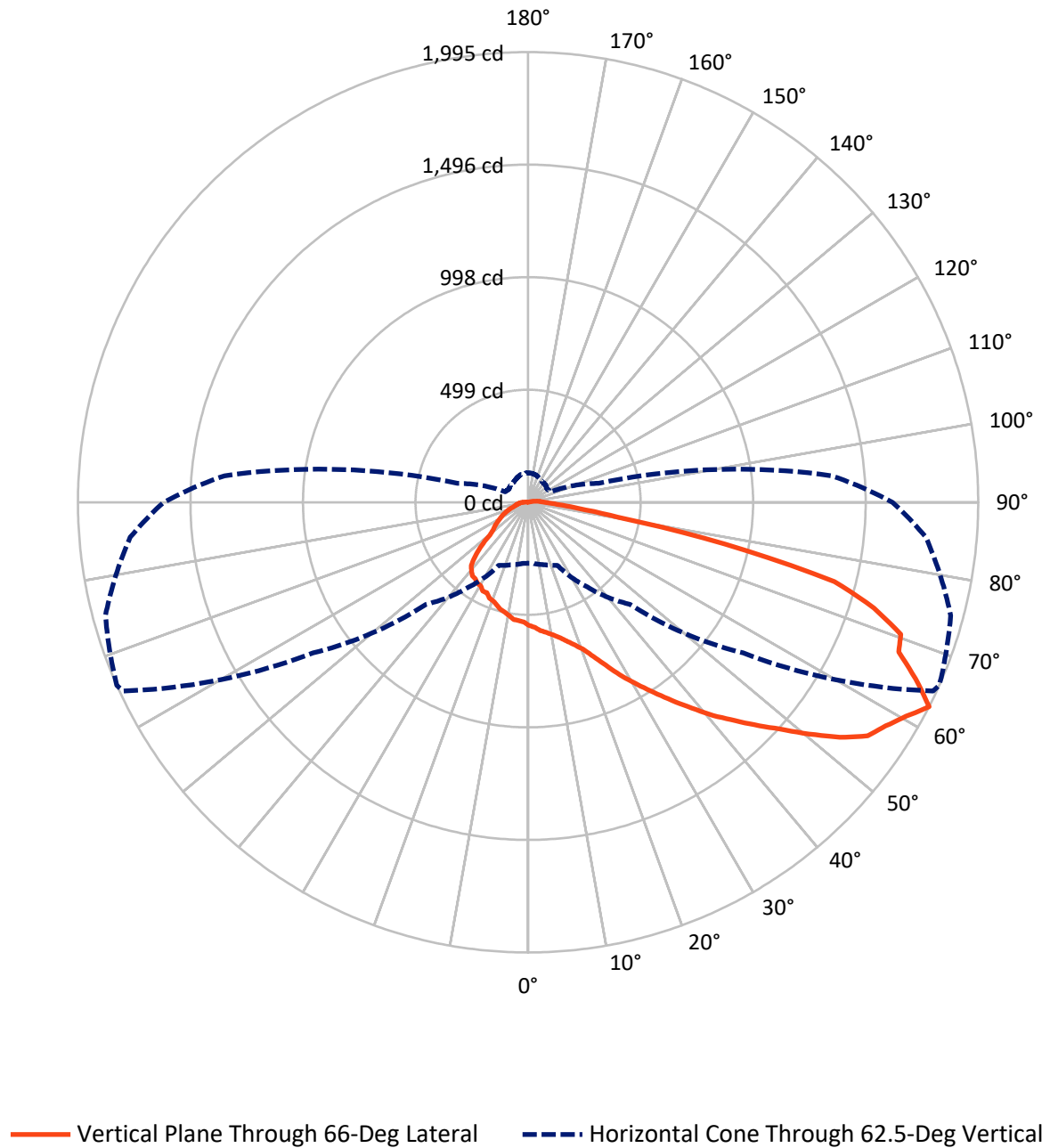
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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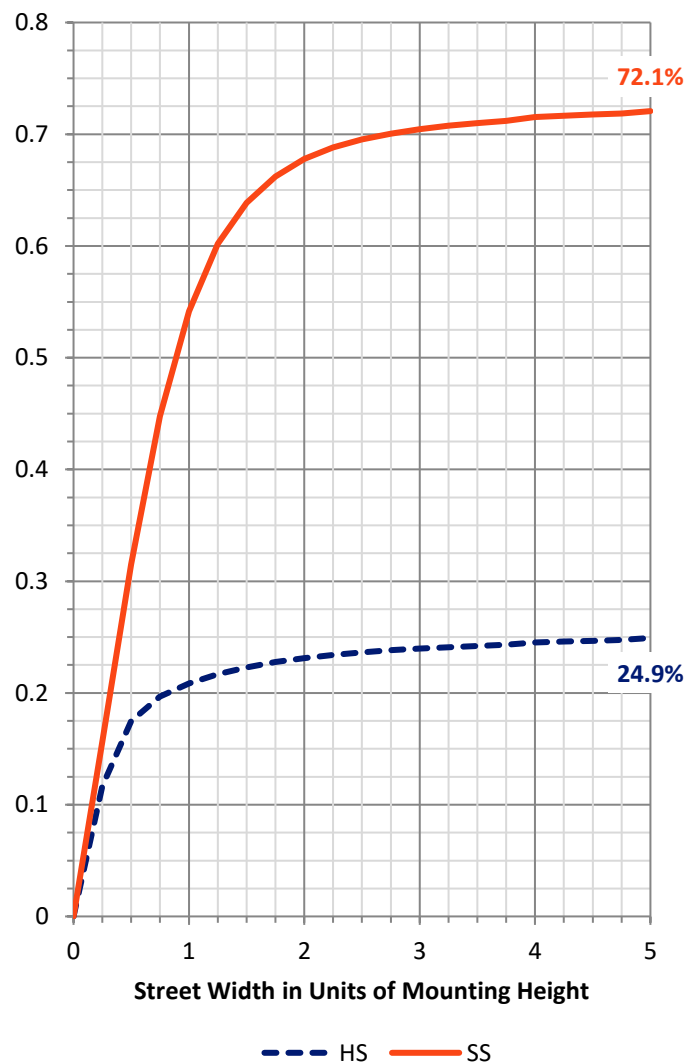
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	813.4	22.4	835.8
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	2266.9	22.2	2289.1
	% Fixture	72.5	0.7	73.3
Total	Lumens	3080.3	44.7	3124.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	1.7
10°-20°	157.1	5.0
20°-30°	265.9	8.5
30°-40°	389.0	12.4
40°-50°	508.4	16.3
50°-60°	591.6	18.9
60°-70°	591.9	18.9
70°-80°	408.4	13.1
80°-90°	115.4	3.7
90°-100°	38.1	1.2
100°-110°	5.2	0.2
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.3	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3080.3	98.6
0°-180°	3124.9	100.0

Coefficient of Utilization



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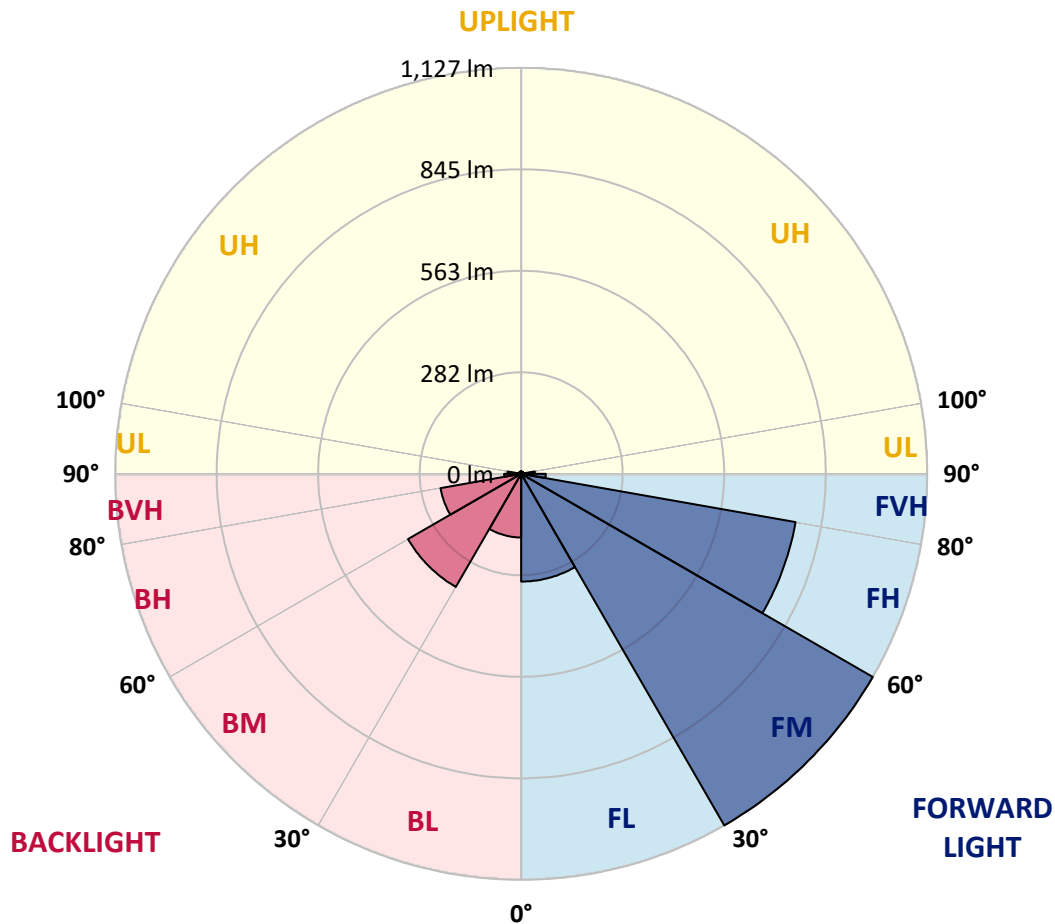
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.9	9.6			
FM	(30°-60°)	1126.6	36.1			
FH	(60°-80°)	773.1	24.7			G1/1800
FVH	(80°-90°)	68.2	2.2			G1/100
BL	(0°-30°)	176.5	5.6	B1/500		
BM	(30°-60°)	362.4	11.6	B1/1000		
BH	(60°-80°)	227.2	7.3	B1/500		G1/500
BVH	(80°-90°)	47.3	1.5			G1/100
UL	(90°-100°)	38.1	1.2		U2/50	
UH	(100°-180°)	6.6	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0
2.5°	574.0	573.0	573.0	567.8	562.6	561.6	558.4	554.3	554.3	551.2	546.0
5°	608.3	607.2	608.3	601.0	593.7	587.5	577.1	571.9	570.9	563.6	553.3
7.5°	632.1	631.1	630.1	623.8	620.7	614.5	600.0	584.4	582.3	575.1	561.6
10°	641.5	642.5	647.7	637.3	631.1	625.9	617.6	598.9	596.9	580.2	559.5
12.5°	666.4	667.4	664.3	651.9	649.8	645.6	632.1	616.6	614.5	593.7	564.7
15°	692.4	692.4	688.2	680.9	675.7	671.6	655.0	638.4	637.3	612.4	578.2
17.5°	703.8	705.8	706.9	697.5	695.5	694.4	686.1	665.4	663.3	639.4	596.9
20°	711.0	712.1	713.1	712.1	713.1	712.1	716.2	699.6	694.4	669.5	617.6
22.5°	725.6	727.6	734.9	734.9	738.0	745.3	742.2	744.3	742.2	712.1	652.9
25°	732.8	735.9	745.3	756.7	770.2	778.5	789.9	798.2	799.3	772.3	706.9
27.5°	721.4	728.7	752.6	770.2	801.3	823.1	850.1	863.6	865.7	839.8	765.0
30°	735.9	735.9	750.5	775.4	813.8	864.7	906.2	926.9	929.0	909.3	823.1
32.5°	709.0	715.2	748.4	796.2	851.2	909.3	949.8	990.3	995.5	989.2	906.2
35°	705.8	709.0	729.7	779.5	853.2	950.8	1006.9	1059.8	1070.2	1072.3	986.1
37.5°	676.8	680.9	719.3	781.6	882.3	979.9	1051.5	1138.7	1148.0	1162.6	1055.7
40°	640.5	646.7	677.8	747.4	874.0	1014.1	1099.3	1221.7	1235.2	1252.9	1147.0
42.5°	592.7	604.1	657.1	731.8	869.9	1025.6	1144.9	1304.8	1317.2	1335.9	1223.8
45°	552.2	555.3	597.9	675.7	836.6	1041.1	1187.5	1398.2	1406.5	1415.8	1286.1
47.5°	515.9	522.1	558.4	631.1	801.3	1038.0	1224.9	1486.4	1501.0	1529.0	1361.9
50°	407.9	422.5	525.2	592.7	747.4	1028.7	1256.0	1590.2	1614.1	1624.5	1448.0
52.5°	352.9	357.1	409.0	555.3	687.2	997.5	1283.0	1703.4	1730.4	1706.5	1551.8
55°	325.9	330.1	354.0	479.6	640.5	934.2	1303.7	1810.3	1826.9	1770.8	1628.6
57.5°	311.4	314.5	327.0	388.2	583.4	833.5	1305.8	1863.2	1869.5	1821.7	1668.1
60°	286.5	289.6	311.4	338.4	520.0	726.6	1269.5	1893.3	1925.5	1884.0	1743.9
62.5°	269.9	272.0	286.5	308.3	458.8	639.4	1163.6	1979.5	1995.1	1939.0	1769.8
65°	249.1	251.2	264.7	284.4	419.4	590.6	1117.9	1944.2	1887.1	1925.5	1804.1
67.5°	225.2	228.4	240.8	257.4	354.0	542.9	986.1	1812.4	1771.9	1857.0	1714.8
70°	203.5	205.5	219.0	228.4	290.6	480.6	819.0	1709.6	1752.2	1751.1	1633.8
72.5°	179.6	181.7	193.1	201.4	242.9	406.9	649.8	1591.3	1603.7	1559.1	1445.9
75°	154.7	155.7	166.1	174.4	199.3	325.9	474.4	1316.2	1402.4	1490.6	1250.8
77.5°	124.6	127.7	136.0	140.1	159.9	260.5	309.3	779.5	890.6	1311.0	1117.9
80°	93.4	93.4	99.6	101.7	118.3	194.1	195.1	375.8	403.8	833.5	830.4
82.5°	59.2	62.3	68.5	67.5	79.9	111.1	123.5	208.6	224.2	330.1	368.5
85°	47.7	48.8	52.9	49.8	52.9	60.2	69.5	131.8	137.0	201.4	200.3
87.5°	39.4	40.5	43.6	41.5	42.6	45.7	54.0	88.2	90.3	129.8	133.9
90°	30.1	31.1	35.3	34.3	33.2	37.4	44.6	67.5	70.6	102.8	110.0
92.5°	19.7	19.7	22.8	22.8	22.8	27.0	39.4	51.9	54.0	93.4	98.6
95°	14.5	14.5	15.6	16.6	15.6	19.7	29.1	46.7	50.9	87.2	85.1
97.5°	9.3	9.3	10.4	11.4	10.4	12.5	16.6	33.2	37.4	67.5	66.4
100°	6.2	6.2	6.2	6.2	6.2	6.2	9.3	21.8	24.9	42.6	41.5
102.5°	4.2	4.2	4.2	4.2	3.1	3.1	4.2	10.4	11.4	22.8	21.8
105°	1.0	1.0	2.1	2.1	2.1	1.0	1.0	4.2	5.2	9.3	9.3
107.5°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	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	1.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0
2.5°	543.9	540.8	535.6	530.4	527.3	524.2	519.0	514.9	514.9	520.0	520.0
5°	546.0	539.8	529.4	525.2	520.0	512.8	504.5	498.2	495.1	499.3	500.3
7.5°	551.2	541.8	531.5	522.1	504.5	491.0	483.7	475.4	474.4	478.5	480.6
10°	547.0	537.7	525.2	507.6	488.9	478.5	465.0	454.6	454.6	451.5	453.6
12.5°	551.2	538.7	513.8	495.1	478.5	455.7	439.1	428.7	427.7	430.8	430.8
15°	561.6	542.9	510.7	487.9	460.9	438.0	421.4	410.0	413.1	406.9	407.9
17.5°	574.0	546.0	510.7	471.3	441.2	419.4	396.5	383.0	384.1	385.1	386.1
20°	589.6	554.3	505.5	458.8	422.5	391.3	365.4	355.0	351.9	354.0	355.0
22.5°	613.5	573.0	503.4	452.6	396.5	366.4	343.6	322.8	320.7	320.7	320.7
25°	652.9	601.0	512.8	431.8	383.0	337.4	311.4	291.7	282.3	283.4	284.4
27.5°	713.1	645.6	522.1	432.9	351.9	311.4	279.2	257.4	252.2	253.3	254.3
30°	776.4	705.8	546.0	412.1	334.2	272.0	238.7	223.2	216.9	213.8	214.9
32.5°	825.2	758.8	579.2	405.9	302.1	229.4	208.6	196.2	187.9	184.8	184.8
35°	903.1	810.7	606.2	390.3	268.8	202.4	185.8	172.3	168.2	166.1	166.1
37.5°	969.5	867.8	634.2	384.1	228.4	181.7	160.9	152.6	152.6	150.5	149.5
40°	1041.1	928.0	649.8	365.4	197.2	159.9	139.1	138.1	141.2	141.2	141.2
42.5°	1127.3	990.3	666.4	343.6	173.3	134.9	123.5	131.8	139.1	141.2	141.2
45°	1191.6	1029.7	673.7	296.9	149.5	117.3	121.4	129.8	139.1	142.2	141.2
47.5°	1246.7	1086.8	663.3	239.8	128.7	114.2	119.4	126.6	138.1	142.2	142.2
50°	1301.7	1135.6	656.0	173.3	120.4	114.2	119.4	122.5	134.9	140.1	140.1
52.5°	1382.6	1174.0	627.0	145.3	114.2	115.2	121.4	121.4	132.9	139.1	142.2
55°	1486.4	1262.2	571.9	136.0	112.1	114.2	122.5	122.5	130.8	137.0	139.1
57.5°	1529.0	1293.4	477.5	127.7	110.0	114.2	119.4	121.4	131.8	136.0	134.9
60°	1585.0	1344.2	391.3	119.4	105.9	112.1	115.2	122.5	130.8	131.8	130.8
62.5°	1615.1	1350.5	323.9	111.1	102.8	109.0	110.0	118.3	126.6	129.8	130.8
65°	1631.8	1344.2	239.8	102.8	99.6	104.8	105.9	113.1	121.4	123.5	124.6
67.5°	1571.5	1301.7	166.1	94.5	96.5	99.6	101.7	109.0	115.2	121.4	123.5
70°	1463.6	1178.1	118.3	84.1	91.3	94.5	98.6	105.9	112.1	120.4	122.5
72.5°	1344.2	948.7	87.2	71.6	84.1	88.2	95.5	100.7	110.0	120.4	123.5
75°	1232.1	832.5	69.5	61.2	71.6	81.0	90.3	97.6	111.1	147.4	152.6
77.5°	874.0	562.6	62.3	54.0	61.2	70.6	83.0	95.5	154.7	175.4	176.5
80°	634.2	331.1	56.1	47.7	52.9	57.1	75.8	117.3	171.3	161.9	161.9
82.5°	317.6	177.5	52.9	42.6	45.7	46.7	67.5	149.5	138.1	144.3	145.3
85°	153.6	86.2	43.6	37.4	39.4	38.4	63.3	142.2	130.8	131.8	129.8
87.5°	96.5	52.9	34.3	31.1	32.2	31.1	60.2	136.0	137.0	112.1	114.2
90°	87.2	62.3	27.0	24.9	21.8	26.0	54.0	126.6	133.9	81.0	67.5
92.5°	84.1	67.5	19.7	17.6	15.6	20.8	40.5	102.8	82.0	34.3	20.8
95°	74.7	59.2	16.6	12.5	14.5	17.6	26.0	68.5	55.0	0.0	0.0
97.5°	56.1	43.6	13.5	8.3	46.7	15.6	14.5	44.6	15.6	0.0	0.0
100°	35.3	27.0	10.4	6.2	52.9	10.4	9.3	26.0	0.0	0.0	0.0
102.5°	19.7	14.5	5.2	4.2	22.8	5.2	6.2	6.2	0.0	0.0	0.0
105°	8.3	7.3	2.1	2.1	2.1	1.0	3.1	0.0	0.0	0.0	0.0
107.5°	2.1	3.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
120°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	2.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.0	1.0	1.0	1.0	1.0	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)