

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: P691119

Luminaire Tested: **CRTK2-C013-D-U-T2-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691119
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-D-U-T2-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3010.9 lumens
Efficiency: N/A
Efficacy: 147.6 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): 20.4
Input Voltage (V): NR
Input Current (A_{in}): 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



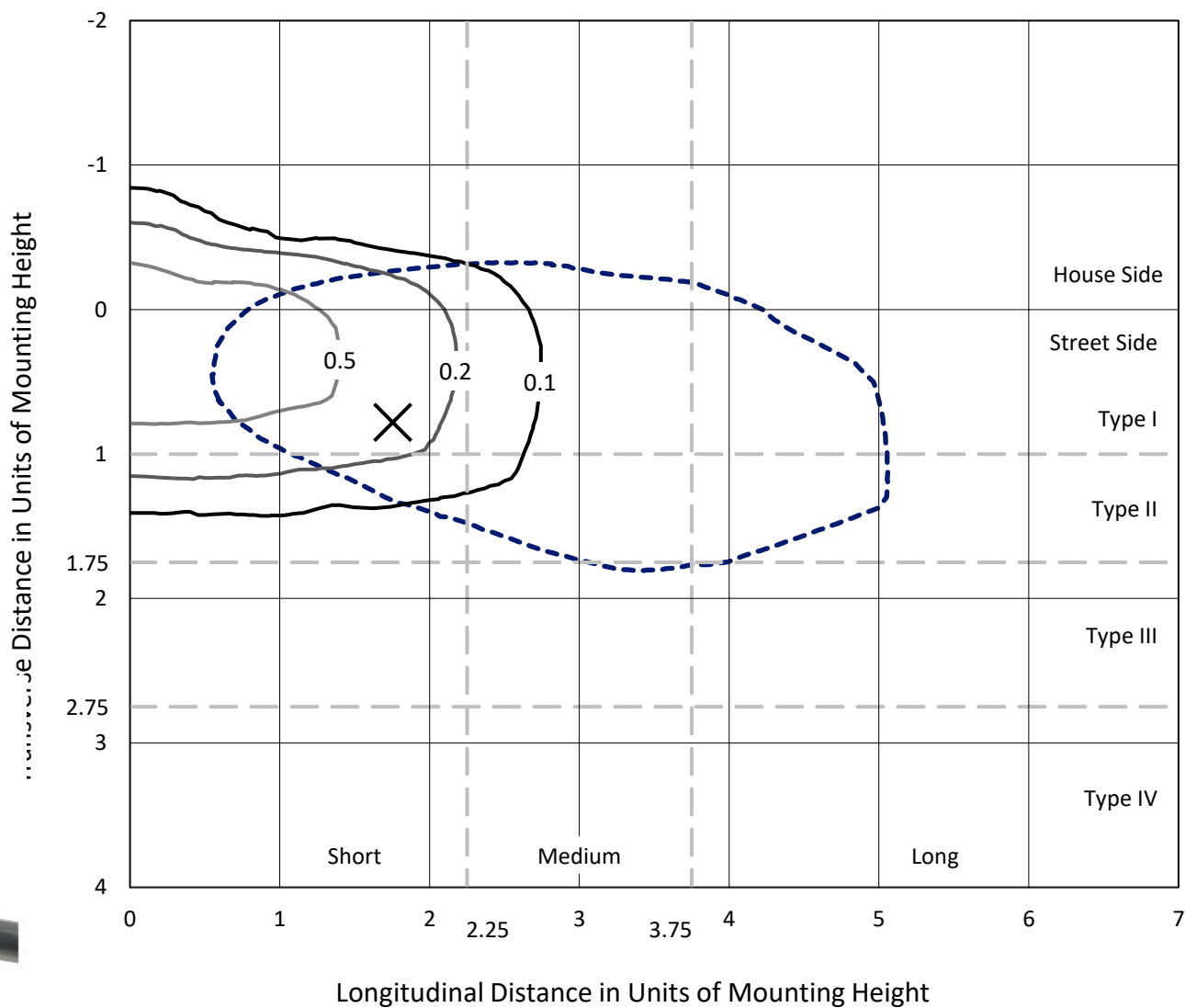
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

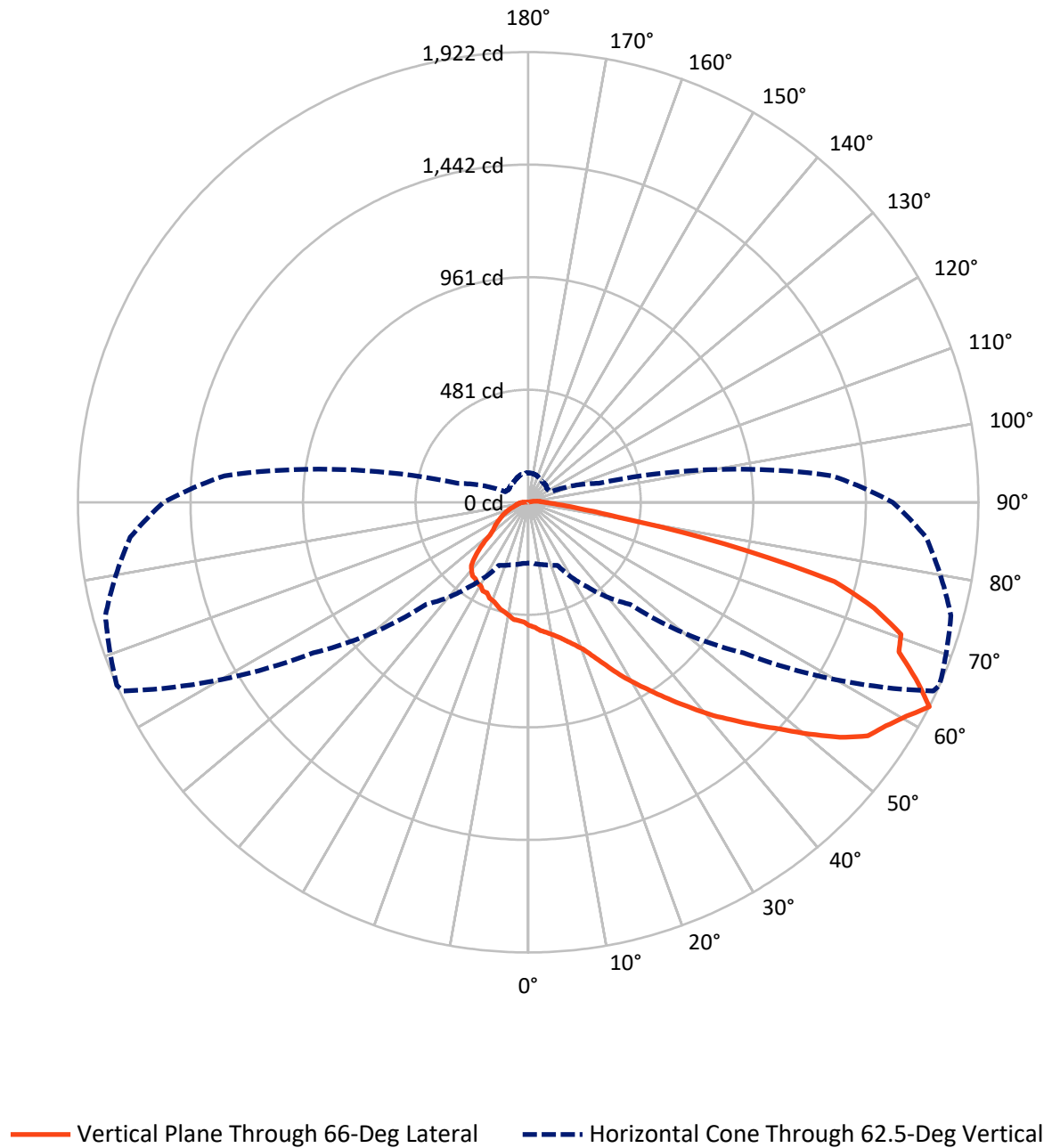
--- 1/2 Max cd



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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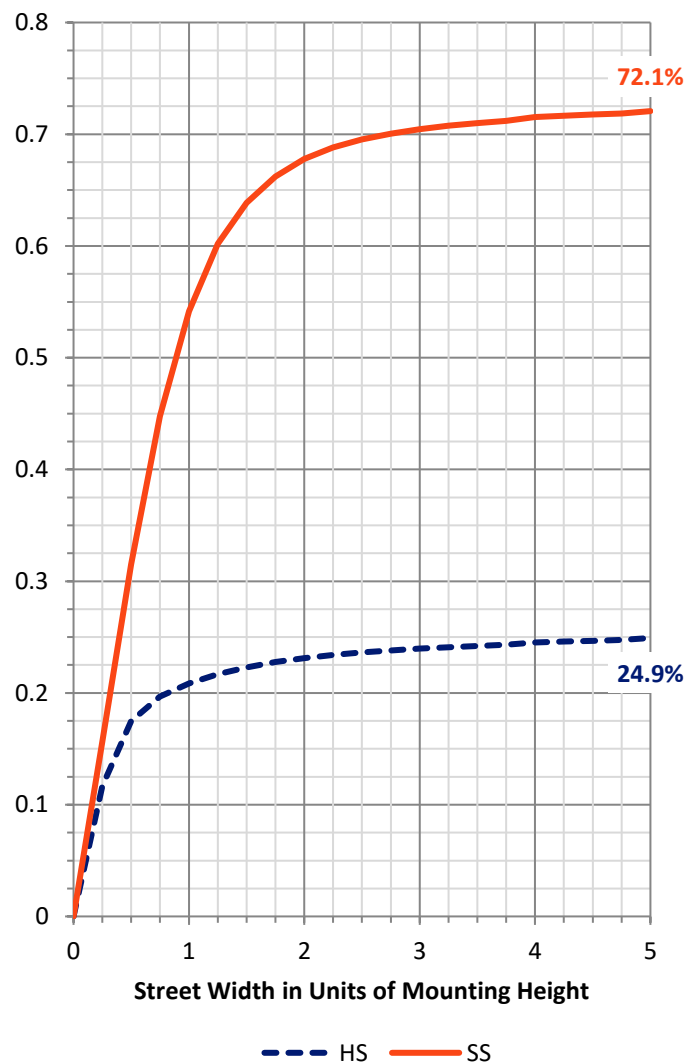
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	783.7	21.7	805.4
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	2184.2	21.4	2205.6
	% Fixture	72.5	0.7	73.3
Total	Lumens	2967.9	43.1	3010.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	1.7
10°-20°	151.4	5.0
20°-30°	256.2	8.5
30°-40°	374.8	12.4
40°-50°	489.9	16.3
50°-60°	570.0	18.9
60°-70°	570.3	18.9
70°-80°	393.5	13.1
80°-90°	111.2	3.7
90°-100°	36.7	1.2
100°-110°	5.0	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°	2967.9	98.6
0°-180°	3010.9	100.0

Coefficient of Utilization



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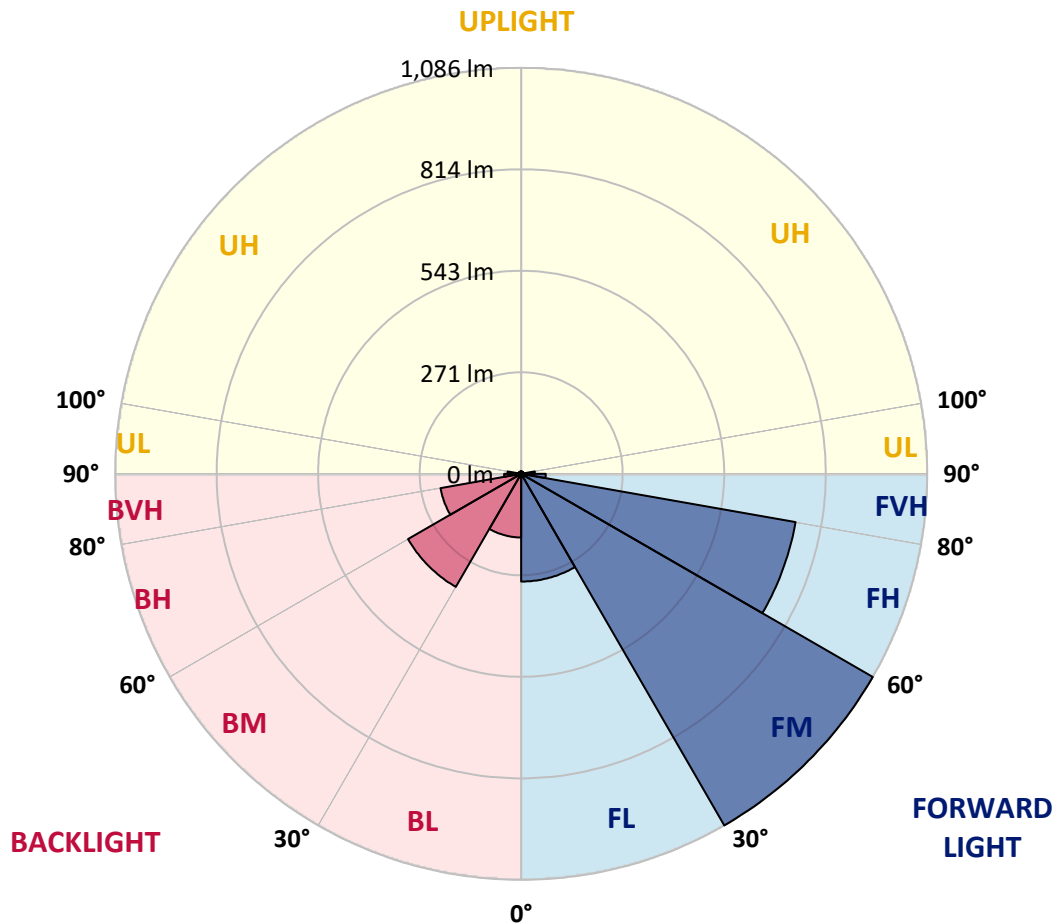
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.0	9.6			
FM	(30°-60°)	1085.5	36.1			
FH	(60°-80°)	744.9	24.7			G1/1800
FVH	(80°-90°)	65.7	2.2			G1/100
BL	(0°-30°)	170.1	5.6	B1/500		
BM	(30°-60°)	349.2	11.6	B1/1000		
BH	(60°-80°)	218.9	7.3	B1/500		G1/500
BVH	(80°-90°)	45.5	1.5			G1/100
UL	(90°-100°)	36.7	1.2		U2/50	
UH	(100°-180°)	6.4	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°	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1
2.5°	553.1	552.1	552.1	547.1	542.1	541.1	538.1	534.1	534.1	531.1	526.1
5°	586.1	585.1	586.1	579.1	572.1	566.1	556.1	551.1	550.1	543.1	533.1
7.5°	609.1	608.1	607.1	601.1	598.1	592.1	578.1	563.1	561.1	554.1	541.1
10°	618.1	619.1	624.1	614.1	608.1	603.1	595.1	577.1	575.1	559.1	539.1
12.5°	642.1	643.1	640.1	628.1	626.1	622.1	609.1	594.1	592.1	572.1	544.1
15°	667.1	667.1	663.1	656.1	651.1	647.1	631.1	615.1	614.1	590.1	557.1
17.5°	678.1	680.1	681.1	672.1	670.1	669.1	661.1	641.1	639.1	616.1	575.1
20°	685.1	686.1	687.1	686.1	687.1	686.1	690.1	674.1	669.1	645.1	595.1
22.5°	699.1	701.1	708.1	708.1	711.1	718.1	715.1	717.1	715.1	686.1	629.1
25°	706.1	709.1	718.1	729.1	742.1	750.1	761.1	769.1	770.1	744.1	681.1
27.5°	695.1	702.1	725.1	742.1	772.1	793.1	819.1	832.1	834.1	809.1	737.1
30°	709.1	709.1	723.1	747.1	784.1	833.1	873.1	893.1	895.1	876.1	793.1
32.5°	683.1	689.1	721.1	767.1	820.1	876.1	915.1	954.1	959.1	953.1	873.1
35°	680.1	683.1	703.1	751.1	822.1	916.1	970.1	1021.1	1031.1	1033.1	950.1
37.5°	652.1	656.1	693.1	753.1	850.1	944.1	1013.1	1097.2	1106.2	1120.2	1017.1
40°	617.1	623.1	653.1	720.1	842.1	977.1	1059.2	1177.2	1190.2	1207.2	1105.2
42.5°	571.1	582.1	633.1	705.1	838.1	988.1	1103.2	1257.2	1269.2	1287.2	1179.2
45°	532.1	535.1	576.1	651.1	806.1	1003.1	1144.2	1347.2	1355.2	1364.2	1239.2
47.5°	497.1	503.1	538.1	608.1	772.1	1000.1	1180.2	1432.2	1446.2	1473.2	1312.2
50°	393.1	407.1	506.1	571.1	720.1	991.1	1210.2	1532.2	1555.2	1565.2	1395.2
52.5°	340.0	344.0	394.1	535.1	662.1	961.1	1236.2	1641.2	1667.2	1644.2	1495.2
55°	314.0	318.0	341.0	462.1	617.1	900.1	1256.2	1744.3	1760.3	1706.2	1569.2
57.5°	300.0	303.0	315.0	374.1	562.1	803.1	1258.2	1795.3	1801.3	1755.3	1607.2
60°	276.0	279.0	300.0	326.0	501.1	700.1	1223.2	1824.3	1855.3	1815.3	1680.2
62.5°	260.0	262.0	276.0	297.0	442.1	616.1	1121.2	1907.3	1922.3	1868.3	1705.2
65°	240.0	242.0	255.0	274.0	404.1	569.1	1077.2	1873.3	1818.3	1855.3	1738.2
67.5°	217.0	220.0	232.0	248.0	341.0	523.1	950.1	1746.3	1707.2	1789.3	1652.2
70°	196.0	198.0	211.0	220.0	280.0	463.1	789.1	1647.2	1688.2	1687.2	1574.2
72.5°	173.0	175.0	186.0	194.0	234.0	392.1	626.1	1533.2	1545.2	1502.2	1393.2
75°	149.0	150.0	160.0	168.0	192.0	314.0	457.1	1268.2	1351.2	1436.2	1205.2
77.5°	120.0	123.0	131.0	135.0	154.0	251.0	298.0	751.1	858.1	1263.2	1077.2
80°	90.0	90.0	96.0	98.0	114.0	187.0	188.0	362.1	389.1	803.1	800.1
82.5°	57.0	60.0	66.0	65.0	77.0	107.0	119.0	201.0	216.0	318.0	355.1
85°	46.0	47.0	51.0	48.0	51.0	58.0	67.0	127.0	132.0	194.0	193.0
87.5°	38.0	39.0	42.0	40.0	41.0	44.0	52.0	85.0	87.0	125.0	129.0
90°	29.0	30.0	34.0	33.0	32.0	36.0	43.0	65.0	68.0	99.0	106.0
92.5°	19.0	19.0	22.0	22.0	22.0	26.0	38.0	50.0	52.0	90.0	95.0
95°	14.0	14.0	15.0	16.0	15.0	19.0	28.0	45.0	49.0	84.0	82.0
97.5°	9.0	9.0	10.0	11.0	10.0	12.0	16.0	32.0	36.0	65.0	64.0
100°	6.0	6.0	6.0	6.0	6.0	6.0	9.0	21.0	24.0	41.0	40.0
102.5°	4.0	4.0	4.0	4.0	3.0	3.0	4.0	10.0	11.0	22.0	21.0
105°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	4.0	5.0	9.0	9.0
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°	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1	526.1
2.5°	524.1	521.1	516.1	511.1	508.1	505.1	500.1	496.1	496.1	501.1	501.1
5°	526.1	520.1	510.1	506.1	501.1	494.1	486.1	480.1	477.1	481.1	482.1
7.5°	531.1	522.1	512.1	503.1	486.1	473.1	466.1	458.1	457.1	461.1	463.1
10°	527.1	518.1	506.1	489.1	471.1	461.1	448.1	438.1	438.1	435.1	437.1
12.5°	531.1	519.1	495.1	477.1	461.1	439.1	423.1	413.1	412.1	415.1	415.1
15°	541.1	523.1	492.1	470.1	444.1	422.1	406.1	395.1	398.1	392.1	393.1
17.5°	553.1	526.1	492.1	454.1	425.1	404.1	382.1	369.1	370.1	371.1	372.1
20°	568.1	534.1	487.1	442.1	407.1	377.1	352.1	342.0	339.0	341.0	342.0
22.5°	591.1	552.1	485.1	436.1	382.1	353.1	331.0	311.0	309.0	309.0	309.0
25°	629.1	579.1	494.1	416.1	369.1	325.0	300.0	281.0	272.0	273.0	274.0
27.5°	687.1	622.1	503.1	417.1	339.0	300.0	269.0	248.0	243.0	244.0	245.0
30°	748.1	680.1	526.1	397.1	322.0	262.0	230.0	215.0	209.0	206.0	207.0
32.5°	795.1	731.1	558.1	391.1	291.0	221.0	201.0	189.0	181.0	178.0	178.0
35°	870.1	781.1	584.1	376.1	259.0	195.0	179.0	166.0	162.0	160.0	160.0
37.5°	934.1	836.1	611.1	370.1	220.0	175.0	155.0	147.0	147.0	145.0	144.0
40°	1003.1	894.1	626.1	352.1	190.0	154.0	134.0	133.0	136.0	136.0	136.0
42.5°	1086.2	954.1	642.1	331.0	167.0	130.0	119.0	127.0	134.0	136.0	136.0
45°	1148.2	992.1	649.1	286.0	144.0	113.0	117.0	125.0	134.0	137.0	136.0
47.5°	1201.2	1047.2	639.1	231.0	124.0	110.0	115.0	122.0	133.0	137.0	137.0
50°	1254.2	1094.2	632.1	167.0	116.0	110.0	115.0	118.0	130.0	135.0	135.0
52.5°	1332.2	1131.2	604.1	140.0	110.0	111.0	117.0	117.0	128.0	134.0	137.0
55°	1432.2	1216.2	551.1	131.0	108.0	110.0	118.0	118.0	126.0	132.0	134.0
57.5°	1473.2	1246.2	460.1	123.0	106.0	110.0	115.0	117.0	127.0	131.0	130.0
60°	1527.2	1295.2	377.1	115.0	102.0	108.0	111.0	118.0	126.0	127.0	126.0
62.5°	1556.2	1301.2	312.0	107.0	99.0	105.0	106.0	114.0	122.0	125.0	126.0
65°	1572.2	1295.2	231.0	99.0	96.0	101.0	102.0	109.0	117.0	119.0	120.0
67.5°	1514.2	1254.2	160.0	91.0	93.0	96.0	98.0	105.0	111.0	117.0	119.0
70°	1410.2	1135.2	114.0	81.0	88.0	91.0	95.0	102.0	108.0	116.0	118.0
72.5°	1295.2	914.1	84.0	69.0	81.0	85.0	92.0	97.0	106.0	116.0	119.0
75°	1187.2	802.1	67.0	59.0	69.0	78.0	87.0	94.0	107.0	142.0	147.0
77.5°	842.1	542.1	60.0	52.0	59.0	68.0	80.0	92.0	149.0	169.0	170.0
80°	611.1	319.0	54.0	46.0	51.0	55.0	73.0	113.0	165.0	156.0	156.0
82.5°	306.0	171.0	51.0	41.0	44.0	45.0	65.0	144.0	133.0	139.0	140.0
85°	148.0	83.0	42.0	36.0	38.0	37.0	61.0	137.0	126.0	127.0	125.0
87.5°	93.0	51.0	33.0	30.0	31.0	30.0	58.0	131.0	132.0	108.0	110.0
90°	84.0	60.0	26.0	24.0	21.0	25.0	52.0	122.0	129.0	78.0	65.0
92.5°	81.0	65.0	19.0	17.0	15.0	20.0	39.0	99.0	79.0	33.0	20.0
95°	72.0	57.0	16.0	12.0	14.0	17.0	25.0	66.0	53.0	0.0	0.0
97.5°	54.0	42.0	13.0	8.0	45.0	15.0	14.0	43.0	15.0	0.0	0.0
100°	34.0	26.0	10.0	6.0	51.0	10.0	9.0	25.0	0.0	0.0	0.0
102.5°	19.0	14.0	5.0	4.0	22.0	5.0	6.0	6.0	0.0	0.0	0.0
105°	8.0	7.0	2.0	2.0	2.0	1.0	3.0	0.0	0.0	0.0	0.0
107.5°	2.0	3.0	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-D-U-T2-7040

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	2.0	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)