

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: P691143

Luminaire Tested: **CRTK2-C013-D-U-T3-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T3-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2964 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

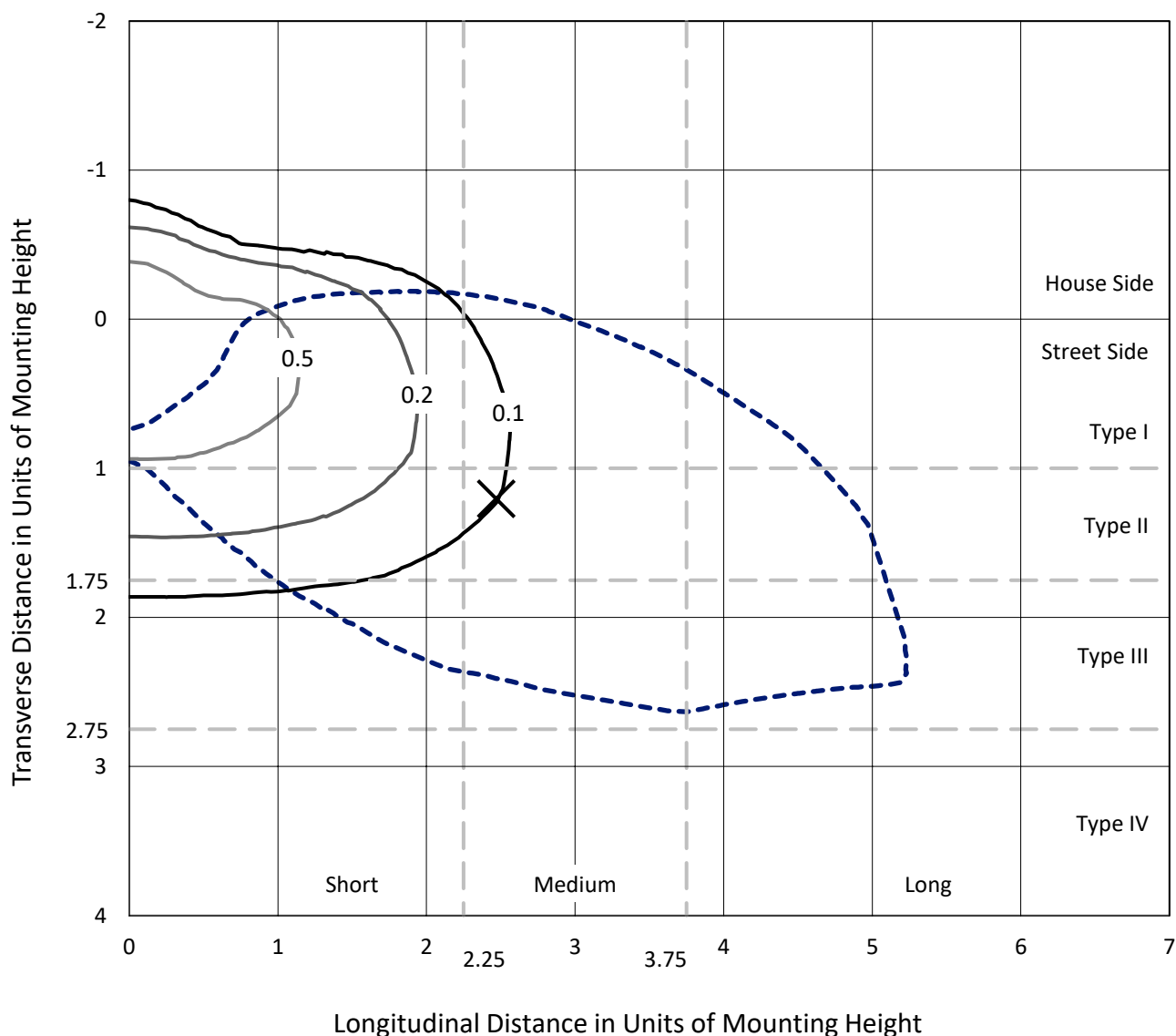
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

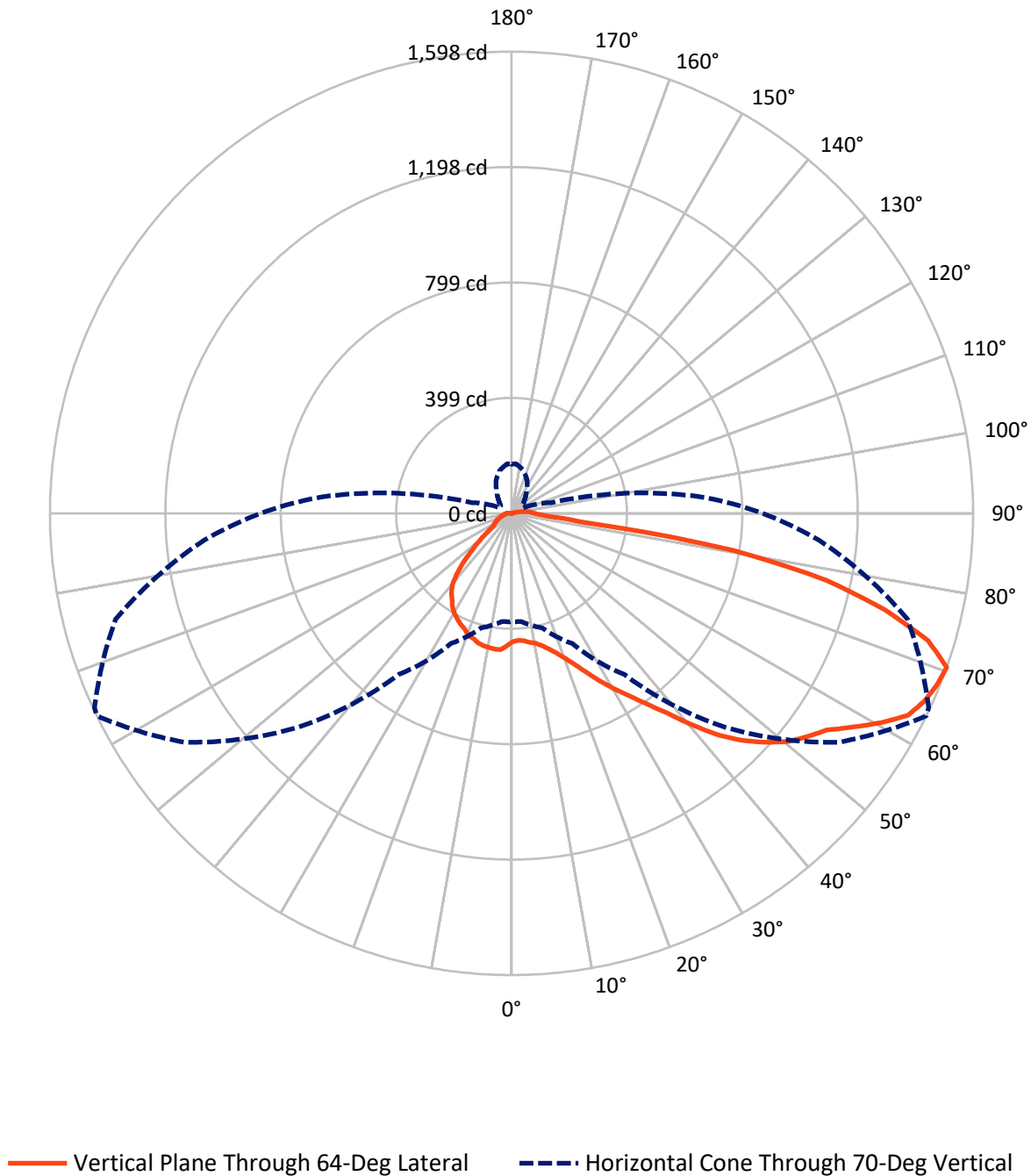
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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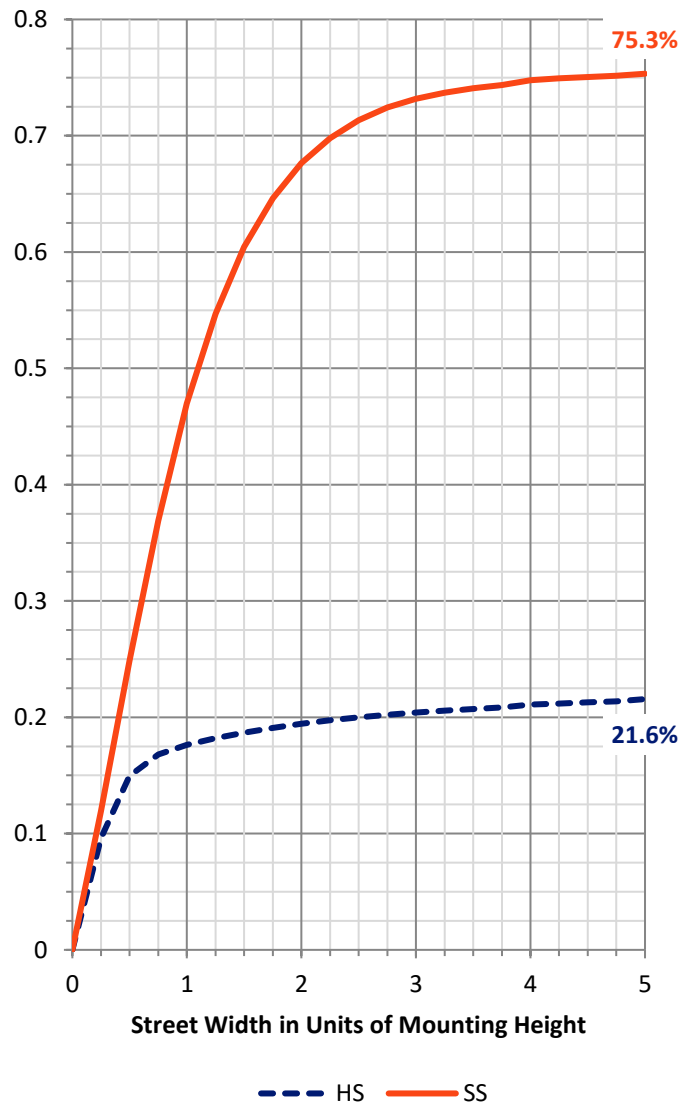
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	675.7	18.3	694.0
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	2246.3	23.7	2270.0
	% Fixture	75.8	0.8	76.6
Total	Lumens	2922.1	42.0	2964.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	1.5
10°-20°	138.0	4.7
20°-30°	239.4	8.1
30°-40°	347.4	11.7
40°-50°	466.2	15.7
50°-60°	563.7	19.0
60°-70°	606.8	20.5
70°-80°	416.8	14.1
80°-90°	99.4	3.4
90°-100°	36.0	1.2
100°-110°	4.5	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°	2922.1	98.6
0°-180°	2964.0	100.0

Coefficient of Utilization



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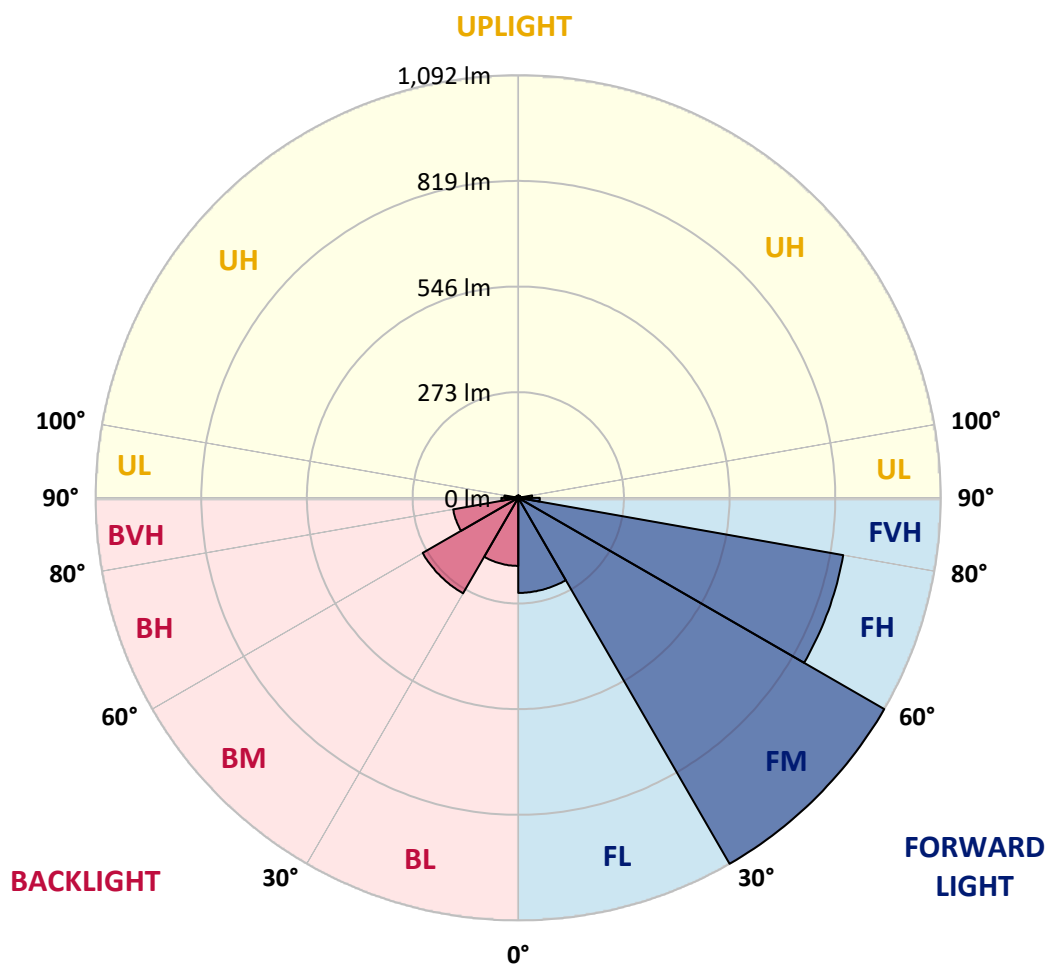
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.8	8.3			
FM	(30°-60°)	1092.2	36.8			
FH	(60°-80°)	852.8	28.8			G1/1800
FVH	(80°-90°)	55.6	1.9			G1/100
BL	(0°-30°)	176.0	5.9	B1/500		
BM	(30°-60°)	285.2	9.6	B1/1000		
BH	(60°-80°)	170.8	5.8	B1/500		G1/500
BVH	(80°-90°)	43.8	1.5			G1/100
UL	(90°-100°)	36.0	1.2		U2/50	
UH	(100°-180°)	6.0	0.2		U1/10	

BUG Rating: B1-U2-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8
2.5°	440.9	440.9	440.0	440.0	440.9	441.9	440.9	440.0	440.9	441.9	444.8
5°	458.4	457.5	456.5	452.6	448.7	445.8	443.9	442.9	443.9	447.7	454.5
7.5°	470.1	469.1	469.1	468.1	464.3	456.5	451.6	450.7	450.7	451.6	460.4
10°	494.4	492.4	488.5	481.7	477.9	468.1	459.4	457.5	457.5	459.4	470.1
12.5°	520.6	516.7	517.7	509.9	498.2	487.6	474.9	470.1	468.1	470.1	475.9
15°	556.5	553.6	545.8	537.1	525.4	510.9	495.3	487.6	486.6	489.5	484.7
17.5°	582.7	578.9	579.8	567.2	557.5	538.1	523.5	508.9	508.9	512.8	500.2
20°	609.9	608.0	610.9	608.0	593.4	575.9	554.6	537.1	534.2	536.1	517.7
22.5°	644.9	642.0	642.0	643.0	631.3	613.8	588.6	571.1	570.1	562.4	537.1
25°	680.8	677.9	677.0	678.9	677.0	656.6	630.3	612.9	609.9	599.3	563.3
27.5°	714.8	714.8	715.8	717.7	720.7	704.2	678.9	659.5	659.5	647.8	598.3
30°	740.1	740.1	748.8	752.7	755.6	751.7	724.5	706.1	708.0	692.5	638.1
32.5°	763.4	764.4	774.1	783.8	786.7	789.6	766.3	754.7	754.7	740.1	680.8
35°	786.7	786.7	800.3	819.7	829.4	826.5	815.8	812.0	812.9	810.0	744.0
37.5°	805.2	807.1	827.5	851.8	865.4	870.2	864.4	877.0	888.7	897.4	826.5
40°	823.6	823.6	843.0	869.3	893.5	907.1	914.9	962.5	971.2	974.2	873.1
42.5°	804.2	809.0	849.8	888.7	919.8	943.1	978.0	1048.9	1059.6	1026.6	936.3
45°	785.7	791.6	832.4	897.4	942.1	988.7	1048.9	1120.8	1129.6	1080.0	974.2
47.5°	767.3	774.1	818.8	889.7	962.5	1039.2	1104.3	1183.9	1187.8	1123.7	1016.9
50°	747.9	754.7	802.2	880.9	975.1	1090.7	1159.7	1241.3	1241.3	1162.6	1042.1
52.5°	723.6	731.3	779.9	867.3	984.8	1125.7	1210.2	1283.0	1275.2	1209.2	1070.3
55°	692.5	703.2	754.7	847.9	988.7	1144.1	1242.2	1323.8	1321.9	1266.5	1106.2
57.5°	659.5	668.2	723.6	822.6	984.8	1156.8	1276.2	1394.7	1397.6	1316.0	1134.4
60°	622.6	628.4	681.8	787.7	959.6	1179.1	1352.9	1470.5	1474.3	1361.7	1145.1
62.5°	574.0	577.9	628.4	740.1	925.6	1193.7	1408.3	1539.4	1537.5	1402.5	1147.0
65°	512.8	517.7	565.3	677.0	875.1	1183.9	1421.9	1569.5	1571.5	1421.9	1144.1
67.5°	453.6	456.5	496.3	593.4	793.5	1137.3	1408.3	1587.0	1595.8	1438.4	1116.0
70°	374.9	375.9	410.8	497.3	680.8	1048.0	1381.1	1597.7	1592.8	1419.0	1067.4
72.5°	288.5	289.4	315.7	380.7	529.3	892.6	1285.0	1507.4	1498.6	1312.2	962.5
75°	204.9	208.8	224.4	267.1	354.5	651.7	1099.4	1334.5	1340.3	1167.4	802.2
77.5°	116.5	120.4	133.1	167.1	204.0	365.2	830.4	1113.0	1116.9	981.9	615.8
80°	50.5	51.5	56.3	79.6	108.8	174.8	425.4	779.9	836.2	667.2	351.6
82.5°	42.7	42.7	44.7	46.6	47.6	79.6	165.1	241.8	249.6	197.2	114.6
85°	36.9	36.9	38.8	40.8	41.8	54.4	100.0	121.4	126.3	112.7	80.6
87.5°	29.1	29.1	32.1	34.0	34.0	44.7	74.8	90.3	93.2	90.3	71.9
90°	26.2	26.2	25.3	25.3	26.2	32.1	58.3	75.8	78.7	96.2	82.6
92.5°	22.3	23.3	23.3	23.3	20.4	23.3	41.8	67.0	72.8	95.2	74.8
95°	22.3	21.4	21.4	20.4	19.4	20.4	31.1	58.3	65.1	82.6	63.1
97.5°	15.5	14.6	15.5	16.5	17.5	18.5	26.2	42.7	47.6	64.1	46.6
100°	9.7	9.7	9.7	9.7	11.7	12.6	21.4	26.2	29.1	40.8	31.1
102.5°	5.8	4.9	4.9	4.9	5.8	7.8	10.7	14.6	15.5	23.3	18.5
105°	1.9	1.9	1.9	1.9	2.9	3.9	3.9	5.8	5.8	7.8	7.8
107.5°	0.0	0.0	0.0	0.0	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	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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°	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8
2.5°	446.8	448.7	452.6	457.5	463.3	468.1	472.0	473.0	474.9	474.9	476.9
5°	456.5	460.4	466.2	473.0	475.9	474.0	474.0	474.9	476.9	481.7	483.7
7.5°	467.2	470.1	470.1	473.0	478.8	476.9	475.9	474.9	474.9	473.0	475.9
10°	471.1	467.2	472.0	471.1	469.1	473.0	474.0	468.1	469.1	469.1	470.1
12.5°	472.0	472.0	468.1	468.1	468.1	459.4	457.5	462.3	457.5	459.4	458.4
15°	482.7	474.9	470.1	464.3	456.5	453.6	446.8	439.0	439.0	440.9	440.9
17.5°	490.5	482.7	468.1	452.6	449.7	436.1	431.2	429.3	428.3	429.3	431.2
20°	502.1	490.5	466.2	450.7	425.4	420.5	411.8	410.8	408.9	402.1	400.2
22.5°	517.7	499.2	465.2	434.1	413.8	397.2	381.7	372.0	371.0	366.2	363.2
25°	535.2	516.7	469.1	426.4	392.4	368.1	355.5	333.1	322.5	326.3	324.4
27.5°	571.1	537.1	475.9	415.7	374.9	337.0	307.9	294.3	280.7	280.7	282.6
30°	604.1	563.3	475.9	406.0	345.8	300.1	262.2	240.9	235.0	231.2	229.2
32.5°	653.6	596.3	496.3	392.4	318.6	252.5	209.8	184.5	185.5	189.4	188.4
35°	711.0	648.8	502.1	373.0	278.7	204.9	162.2	148.6	156.4	158.3	158.3
37.5°	779.9	712.9	528.4	357.4	237.0	151.5	128.2	122.4	129.2	128.2	132.1
40°	817.8	744.0	550.7	338.0	181.6	111.7	99.1	95.2	105.9	114.6	116.5
42.5°	871.2	780.9	572.1	301.1	123.3	81.6	75.8	88.4	103.9	113.6	114.6
45°	900.3	802.2	563.3	255.4	78.7	66.0	73.8	89.4	105.9	115.6	116.5
47.5°	935.3	830.4	547.8	199.1	63.1	65.1	74.8	91.3	108.8	117.5	117.5
50°	970.3	858.6	509.9	156.4	59.2	64.1	76.7	92.3	107.8	113.6	113.6
52.5°	990.7	882.9	465.2	113.6	58.3	64.1	77.7	93.2	106.8	109.8	109.8
55°	1009.1	884.8	426.4	84.5	57.3	65.1	78.7	95.2	107.8	110.7	109.8
57.5°	1019.8	872.2	399.2	72.8	56.3	65.1	79.6	97.1	115.6	122.4	120.4
60°	1014.0	852.8	378.8	68.0	55.4	65.1	80.6	103.0	146.7	158.3	154.4
62.5°	1004.3	839.2	336.1	62.2	53.4	65.1	81.6	116.5	163.2	169.0	164.1
65°	991.6	799.3	287.5	56.3	51.5	64.1	82.6	126.3	155.4	155.4	154.4
67.5°	939.2	745.9	214.6	50.5	48.6	64.1	84.5	124.3	149.6	162.2	162.2
70°	869.3	656.6	141.8	44.7	45.6	62.2	88.4	126.3	154.4	171.9	170.0
72.5°	736.2	544.9	78.7	38.8	41.8	61.2	88.4	134.0	167.1	186.5	183.6
75°	601.2	403.1	56.3	35.0	37.9	59.2	89.4	138.9	178.7	199.1	194.2
77.5°	423.5	231.2	44.7	30.1	34.0	56.3	88.4	136.9	184.5	203.0	197.2
80°	178.7	83.5	36.9	27.2	29.1	50.5	81.6	131.1	184.5	214.6	211.7
82.5°	80.6	59.2	32.1	24.3	27.2	41.8	75.8	126.3	178.7	215.6	233.1
85°	63.1	48.6	27.2	21.4	24.3	39.8	68.0	120.4	170.9	199.1	218.5
87.5°	60.2	48.6	24.3	19.4	22.3	34.0	52.4	111.7	153.5	183.6	199.1
90°	65.1	50.5	19.4	16.5	20.4	30.1	42.7	94.2	133.1	161.2	161.2
92.5°	60.2	46.6	14.6	12.6	21.4	24.3	40.8	58.3	96.2	80.6	100.0
95°	50.5	38.8	9.7	8.7	20.4	20.4	22.3	27.2	67.0	1.9	0.0
97.5°	36.9	28.2	5.8	4.9	15.5	16.5	10.7	12.6	27.2	0.0	0.0
100°	27.2	18.5	3.9	3.9	9.7	13.6	6.8	6.8	0.0	0.0	0.0
102.5°	14.6	9.7	2.9	1.9	4.9	7.8	2.9	1.9	0.0	0.0	0.0
105°	7.8	3.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.9	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C013-D-U-T3-7030

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	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	1.0	1.0	1.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	1.0	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	0.0	0.0	0.0	0.0	0.0
135°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	1.0	1.0	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

(END OF REPORT)