

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: P691151

Luminaire Tested: **CRTK2-C013-D-U-T3-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691151
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-T3-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3052 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

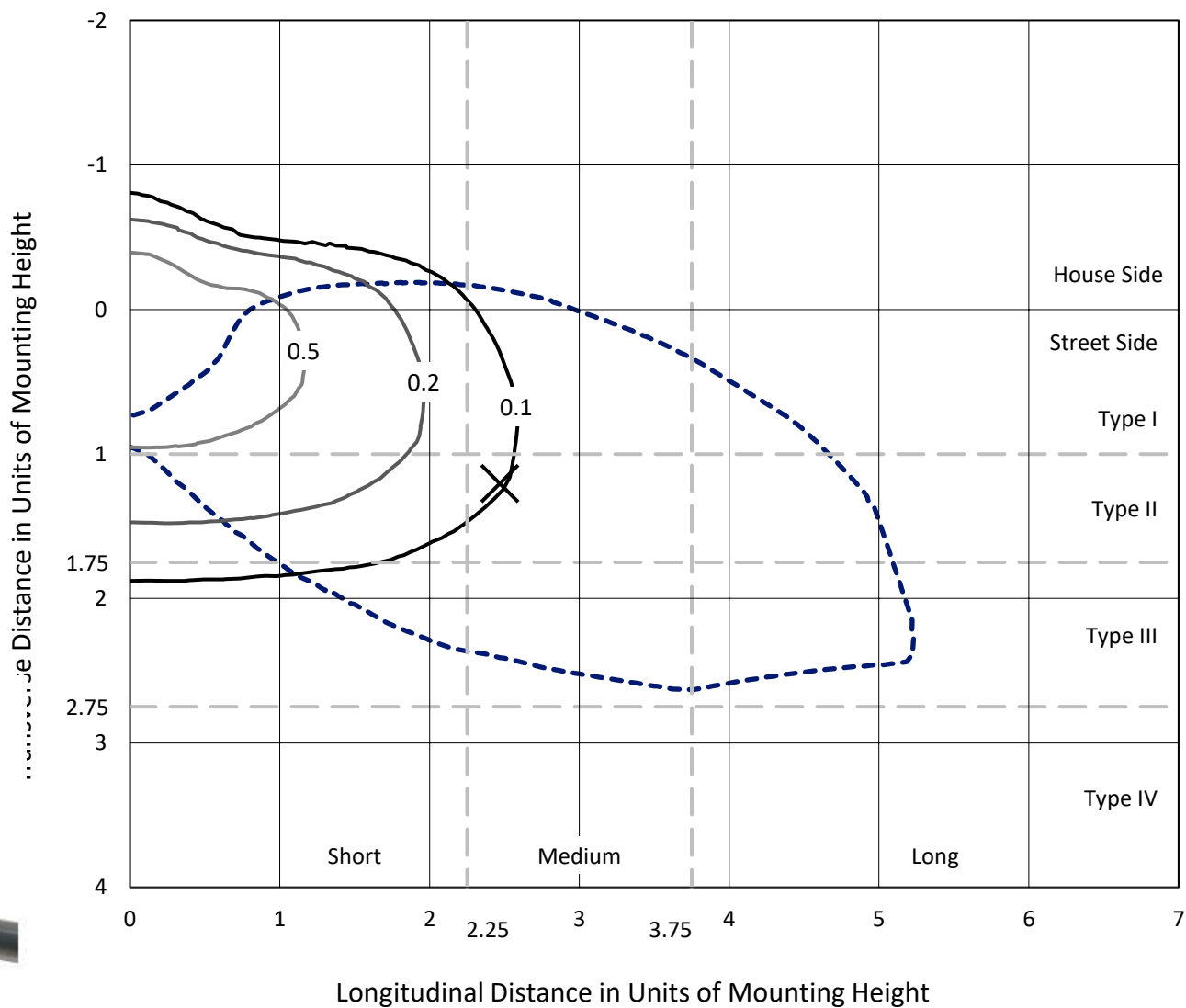
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

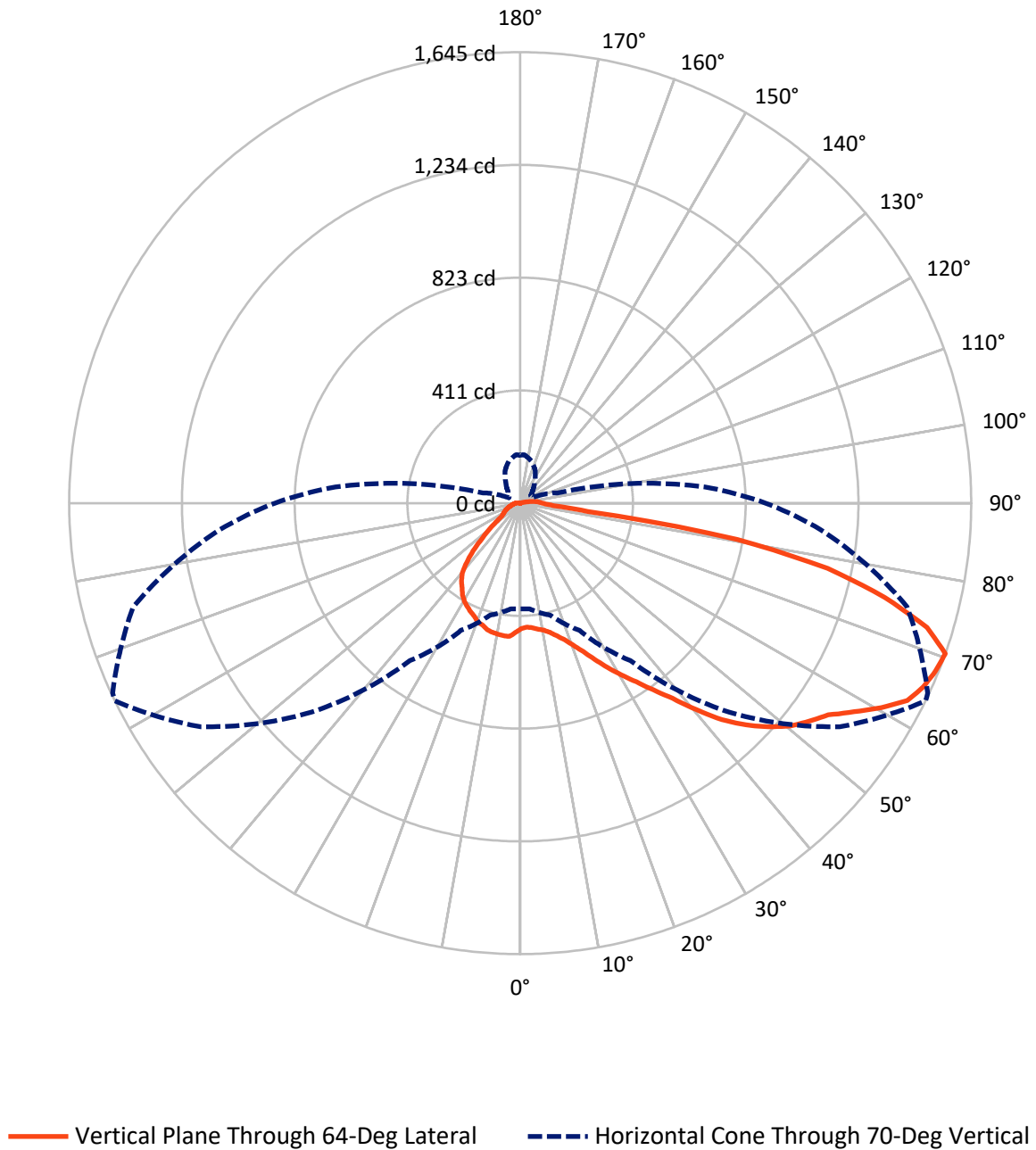
✕ Max cd
 --- 1/2 Max cd



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

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Luminous Intensity Polar Plot



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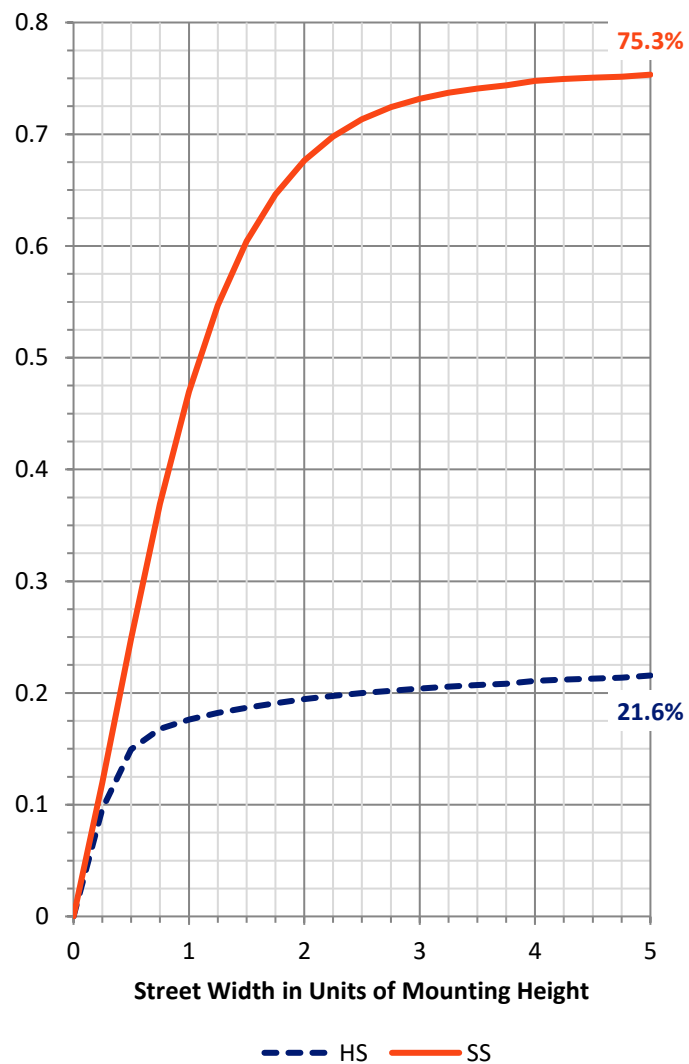
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	695.7	18.8	714.6
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	2313.1	24.3	2337.4
	% Fixture	75.8	0.8	76.6
Total	Lumens	3008.8	43.2	3052.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	1.5
10°-20°	142.1	4.7
20°-30°	246.5	8.1
30°-40°	357.7	11.7
40°-50°	480.1	15.7
50°-60°	580.4	19.0
60°-70°	624.8	20.5
70°-80°	429.1	14.1
80°-90°	102.4	3.4
90°-100°	37.1	1.2
100°-110°	4.6	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°	3008.8	98.6
0°-180°	3052.0	100.0

Coefficient of Utilization



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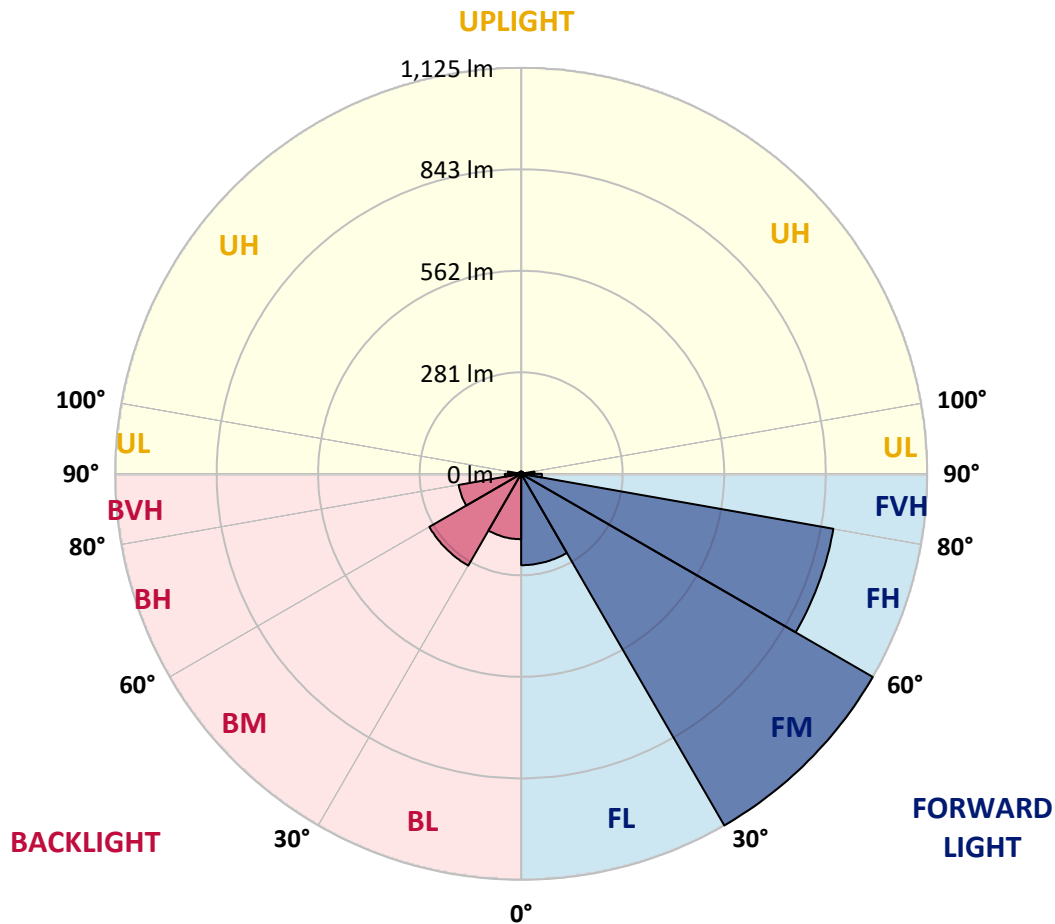
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.0	8.3			
FM	(30°-60°)	1124.6	36.8			
FH	(60°-80°)	878.1	28.8			G1/1800
FVH	(80°-90°)	57.3	1.9			G1/100
BL	(0°-30°)	181.2	5.9	B1/500		
BM	(30°-60°)	293.6	9.6	B1/1000		
BH	(60°-80°)	175.8	5.8	B1/500		G1/500
BVH	(80°-90°)	45.1	1.5			G1/100
UL	(90°-100°)	37.1	1.2		U2/50	
UH	(100°-180°)	6.1	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°	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
2.5°	454.0	454.0	453.0	453.0	454.0	455.0	454.0	453.0	454.0	455.0	458.0
5°	472.0	471.0	470.0	466.0	462.0	459.0	457.0	456.0	457.0	461.0	468.0
7.5°	484.0	483.0	483.0	482.0	478.0	470.0	465.0	464.0	464.0	465.0	474.0
10°	509.0	507.0	503.0	496.0	492.0	482.0	473.0	471.0	471.0	473.0	484.0
12.5°	536.0	532.0	533.0	525.0	513.0	502.0	489.0	484.0	482.0	484.0	490.0
15°	573.0	570.0	562.0	553.0	541.0	526.0	510.0	502.0	501.0	504.0	499.0
17.5°	600.0	596.0	597.0	584.0	574.0	554.0	539.0	524.0	524.0	528.0	515.0
20°	628.1	626.1	629.1	626.1	611.0	593.0	571.0	553.0	550.0	552.0	533.0
22.5°	664.1	661.1	661.1	662.1	650.1	632.1	606.0	588.0	587.0	579.0	553.0
25°	701.1	698.1	697.1	699.1	697.1	676.1	649.1	631.1	628.1	617.0	580.0
27.5°	736.1	736.1	737.1	739.1	742.1	725.1	699.1	679.1	679.1	667.1	616.0
30°	762.1	762.1	771.1	775.1	778.1	774.1	746.1	727.1	729.1	713.1	657.1
32.5°	786.1	787.1	797.1	807.1	810.1	813.1	789.1	777.1	777.1	762.1	701.1
35°	810.1	810.1	824.1	844.1	854.1	851.1	840.1	836.1	837.1	834.1	766.1
37.5°	829.1	831.1	852.1	877.1	891.1	896.1	890.1	903.1	915.1	924.1	851.1
40°	848.1	848.1	868.1	895.1	920.1	934.1	942.1	991.1	1000.1	1003.1	899.1
42.5°	828.1	833.1	875.1	915.1	947.1	971.1	1007.1	1080.1	1091.1	1057.1	964.1
45°	809.1	815.1	857.1	924.1	970.1	1018.1	1080.1	1154.1	1163.1	1112.1	1003.1
47.5°	790.1	797.1	843.1	916.1	991.1	1070.1	1137.1	1219.1	1223.1	1157.1	1047.1
50°	770.1	777.1	826.1	907.1	1004.1	1123.1	1194.1	1278.1	1278.1	1197.1	1073.1
52.5°	745.1	753.1	803.1	893.1	1014.1	1159.1	1246.1	1321.1	1313.1	1245.1	1102.1
55°	713.1	724.1	777.1	873.1	1018.1	1178.1	1279.1	1363.1	1361.1	1304.1	1139.1
57.5°	679.1	688.1	745.1	847.1	1014.1	1191.1	1314.1	1436.1	1439.1	1355.1	1168.1
60°	641.1	647.1	702.1	811.1	988.1	1214.1	1393.1	1514.1	1518.1	1402.1	1179.1
62.5°	591.0	595.0	647.1	762.1	953.1	1229.1	1450.1	1585.1	1583.1	1444.1	1181.1
65°	528.0	533.0	582.0	697.1	901.1	1219.1	1464.1	1616.1	1618.1	1464.1	1178.1
67.5°	467.0	470.0	511.0	611.0	817.1	1171.1	1450.1	1634.1	1643.1	1481.1	1149.1
70°	386.0	387.0	423.0	512.0	701.1	1079.1	1422.1	1645.1	1640.1	1461.1	1099.1
72.5°	297.0	298.0	325.0	392.0	545.0	919.1	1323.1	1552.1	1543.1	1351.1	991.1
75°	211.0	215.0	231.0	275.0	365.0	671.1	1132.1	1374.1	1380.1	1202.1	826.1
77.5°	120.0	124.0	137.0	172.0	210.0	376.0	855.1	1146.1	1150.1	1011.1	634.1
80°	52.0	53.0	58.0	82.0	112.0	180.0	438.0	803.1	861.1	687.1	362.0
82.5°	44.0	44.0	46.0	48.0	49.0	82.0	170.0	249.0	257.0	203.0	118.0
85°	38.0	38.0	40.0	42.0	43.0	56.0	103.0	125.0	130.0	116.0	83.0
87.5°	30.0	30.0	33.0	35.0	35.0	46.0	77.0	93.0	96.0	93.0	74.0
90°	27.0	27.0	26.0	26.0	27.0	33.0	60.0	78.0	81.0	99.0	85.0
92.5°	23.0	24.0	24.0	24.0	21.0	24.0	43.0	69.0	75.0	98.0	77.0
95°	23.0	22.0	22.0	21.0	20.0	21.0	32.0	60.0	67.0	85.0	65.0
97.5°	16.0	15.0	16.0	17.0	18.0	19.0	27.0	44.0	49.0	66.0	48.0
100°	10.0	10.0	10.0	10.0	12.0	13.0	22.0	27.0	30.0	42.0	32.0
102.5°	6.0	5.0	5.0	5.0	6.0	8.0	11.0	15.0	16.0	24.0	19.0
105°	2.0	2.0	2.0	2.0	3.0	4.0	4.0	6.0	6.0	8.0	8.0
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°	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
2.5°	460.0	462.0	466.0	471.0	477.0	482.0	486.0	487.0	489.0	489.0	491.0
5°	470.0	474.0	480.0	487.0	490.0	488.0	488.0	489.0	491.0	496.0	498.0
7.5°	481.0	484.0	484.0	487.0	493.0	491.0	490.0	489.0	489.0	487.0	490.0
10°	485.0	481.0	486.0	485.0	483.0	487.0	488.0	482.0	483.0	483.0	484.0
12.5°	486.0	486.0	482.0	482.0	482.0	473.0	471.0	476.0	471.0	473.0	472.0
15°	497.0	489.0	484.0	478.0	470.0	467.0	460.0	452.0	452.0	454.0	454.0
17.5°	505.0	497.0	482.0	466.0	463.0	449.0	444.0	442.0	441.0	442.0	444.0
20°	517.0	505.0	480.0	464.0	438.0	433.0	424.0	423.0	421.0	414.0	412.0
22.5°	533.0	514.0	479.0	447.0	426.0	409.0	393.0	383.0	382.0	377.0	374.0
25°	551.0	532.0	483.0	439.0	404.0	379.0	366.0	343.0	332.0	336.0	334.0
27.5°	588.0	553.0	490.0	428.0	386.0	347.0	317.0	303.0	289.0	289.0	291.0
30°	622.1	580.0	490.0	418.0	356.0	309.0	270.0	248.0	242.0	238.0	236.0
32.5°	673.1	614.0	511.0	404.0	328.0	260.0	216.0	190.0	191.0	195.0	194.0
35°	732.1	668.1	517.0	384.0	287.0	211.0	167.0	153.0	161.0	163.0	163.0
37.5°	803.1	734.1	544.0	368.0	244.0	156.0	132.0	126.0	133.0	132.0	136.0
40°	842.1	766.1	567.0	348.0	187.0	115.0	102.0	98.0	109.0	118.0	120.0
42.5°	897.1	804.1	589.0	310.0	127.0	84.0	78.0	91.0	107.0	117.0	118.0
45°	927.1	826.1	580.0	263.0	81.0	68.0	76.0	92.0	109.0	119.0	120.0
47.5°	963.1	855.1	564.0	205.0	65.0	67.0	77.0	94.0	112.0	121.0	121.0
50°	999.1	884.1	525.0	161.0	61.0	66.0	79.0	95.0	111.0	117.0	117.0
52.5°	1020.1	909.1	479.0	117.0	60.0	66.0	80.0	96.0	110.0	113.0	113.0
55°	1039.1	911.1	439.0	87.0	59.0	67.0	81.0	98.0	111.0	114.0	113.0
57.5°	1050.1	898.1	411.0	75.0	58.0	67.0	82.0	100.0	119.0	126.0	124.0
60°	1044.1	878.1	390.0	70.0	57.0	67.0	83.0	106.0	151.0	163.0	159.0
62.5°	1034.1	864.1	346.0	64.0	55.0	67.0	84.0	120.0	168.0	174.0	169.0
65°	1021.1	823.1	296.0	58.0	53.0	66.0	85.0	130.0	160.0	160.0	159.0
67.5°	967.1	768.1	221.0	52.0	50.0	66.0	87.0	128.0	154.0	167.0	167.0
70°	895.1	676.1	146.0	46.0	47.0	64.0	91.0	130.0	159.0	177.0	175.0
72.5°	758.1	561.0	81.0	40.0	43.0	63.0	91.0	138.0	172.0	192.0	189.0
75°	619.0	415.0	58.0	36.0	39.0	61.0	92.0	143.0	184.0	205.0	200.0
77.5°	436.0	238.0	46.0	31.0	35.0	58.0	91.0	141.0	190.0	209.0	203.0
80°	184.0	86.0	38.0	28.0	30.0	52.0	84.0	135.0	190.0	221.0	218.0
82.5°	83.0	61.0	33.0	25.0	28.0	43.0	78.0	130.0	184.0	222.0	240.0
85°	65.0	50.0	28.0	22.0	25.0	41.0	70.0	124.0	176.0	205.0	225.0
87.5°	62.0	50.0	25.0	20.0	23.0	35.0	54.0	115.0	158.0	189.0	205.0
90°	67.0	52.0	20.0	17.0	21.0	31.0	44.0	97.0	137.0	166.0	166.0
92.5°	62.0	48.0	15.0	13.0	22.0	25.0	42.0	60.0	99.0	83.0	103.0
95°	52.0	40.0	10.0	9.0	21.0	21.0	23.0	28.0	69.0	2.0	0.0
97.5°	38.0	29.0	6.0	5.0	16.0	17.0	11.0	13.0	28.0	0.0	0.0
100°	28.0	19.0	4.0	4.0	10.0	14.0	7.0	7.0	0.0	0.0	0.0
102.5°	15.0	10.0	3.0	2.0	5.0	8.0	3.0	2.0	0.0	0.0	0.0
105°	8.0	4.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	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-T3-7040

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	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)