

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: P691167

Luminaire Tested: **CRTK2-C013-D-U-T3-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691167
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-T3-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2680 lumens
Efficiency: N/A
Efficacy: 131.4 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

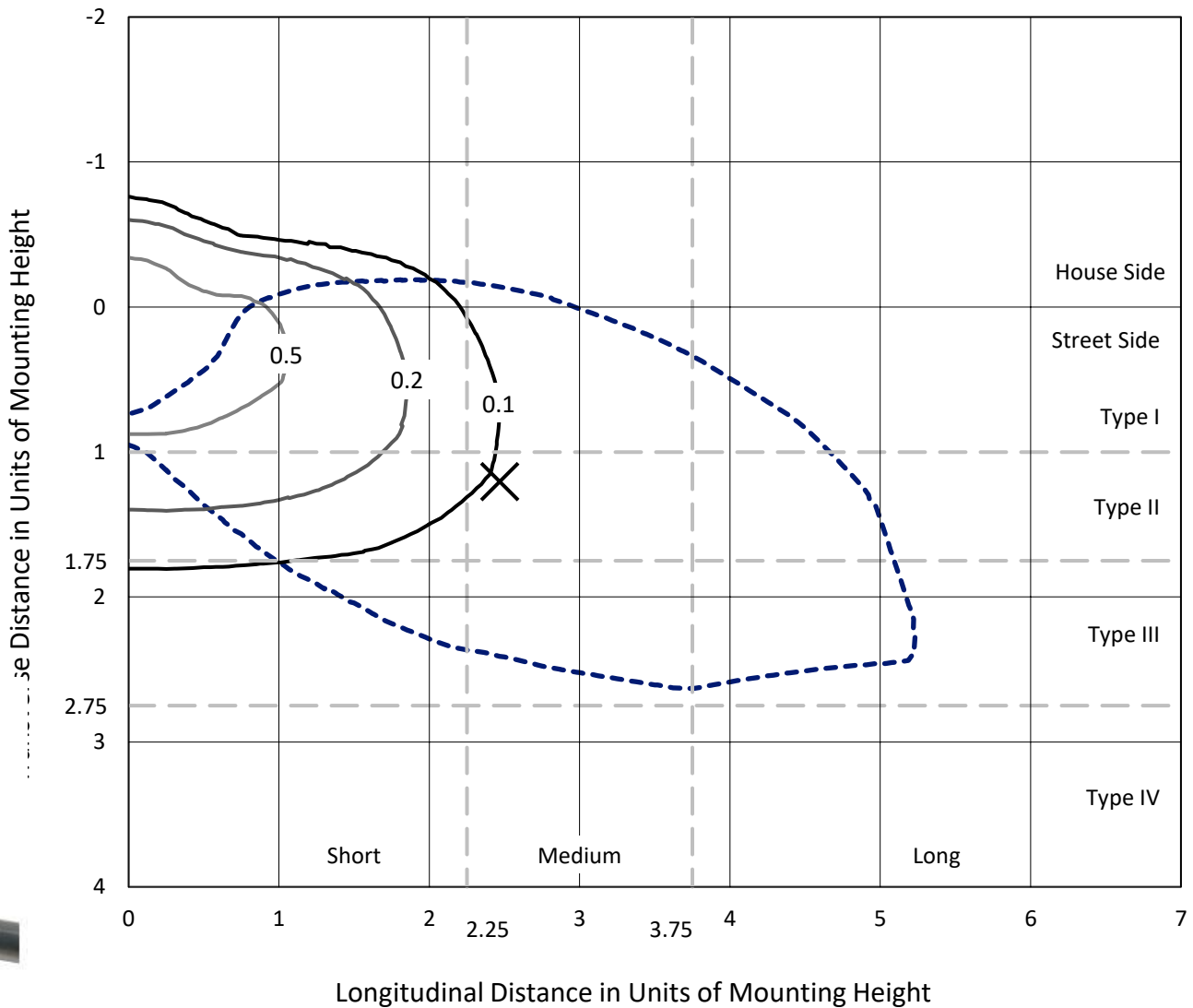


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

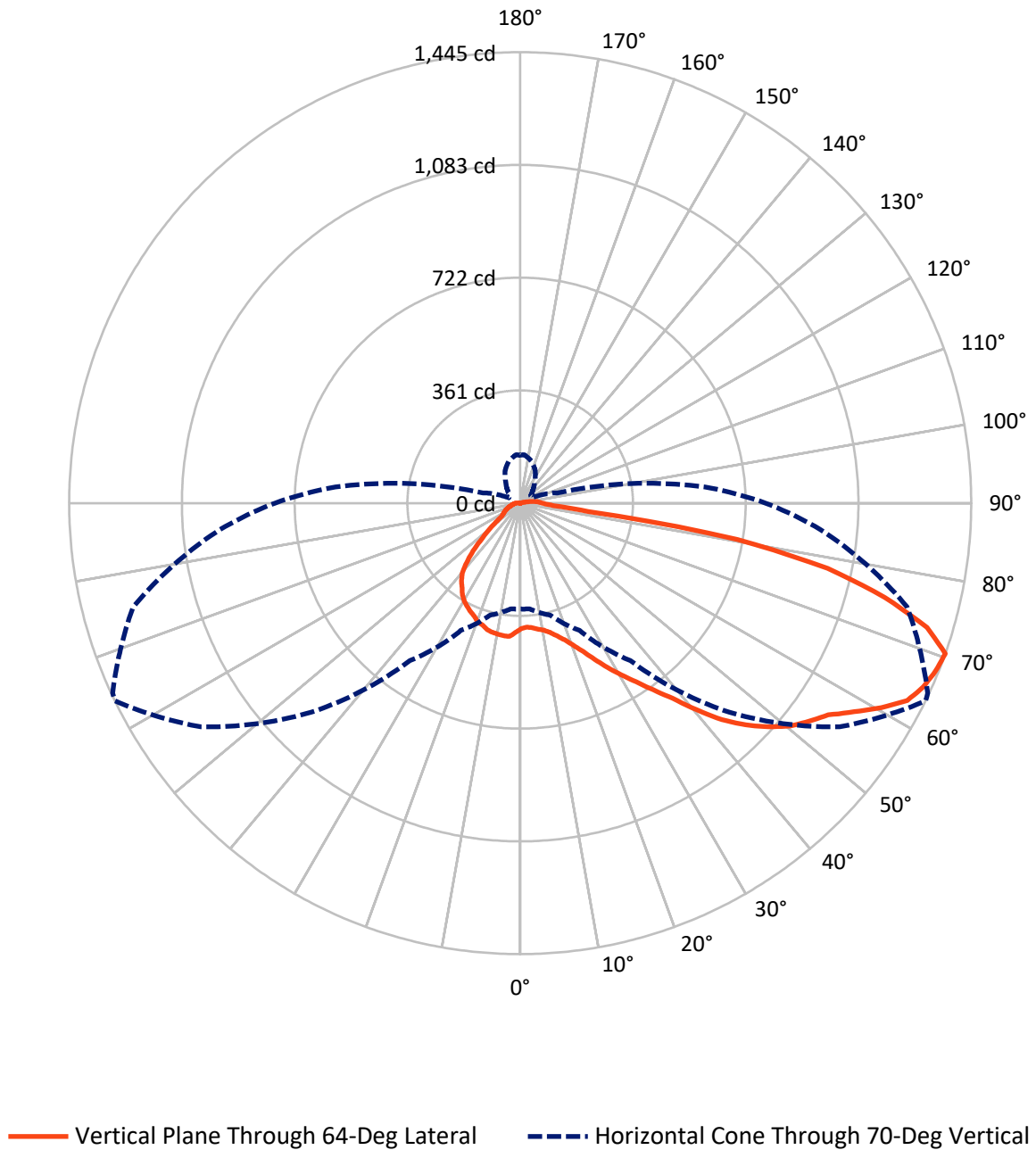


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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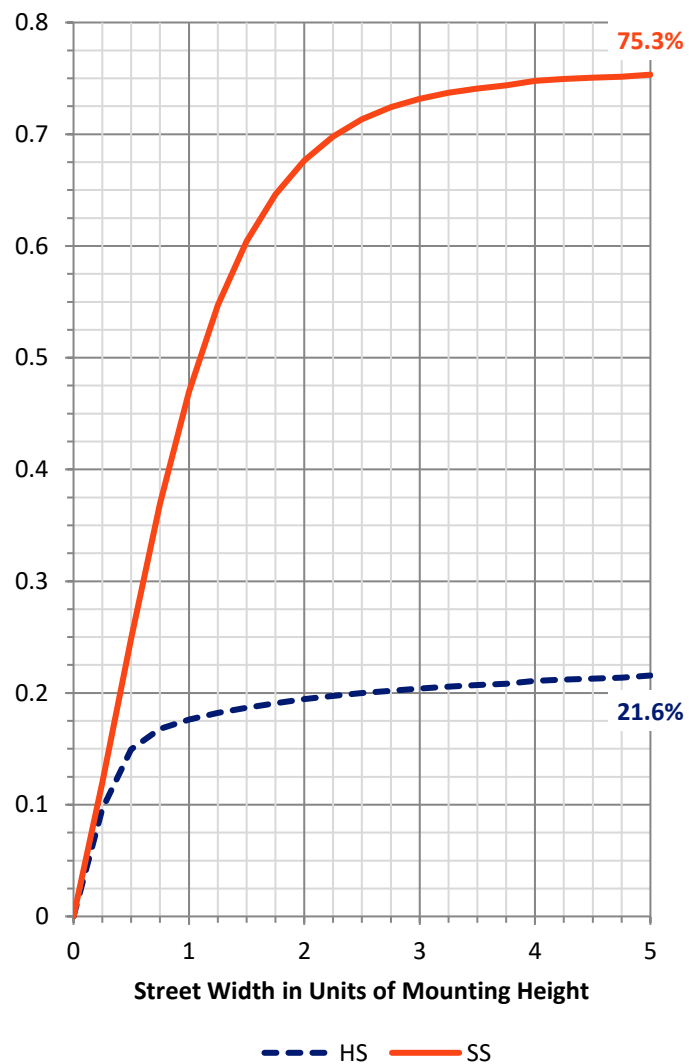
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	611.0	16.6	627.5
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	2031.1	21.4	2052.5
	% Fixture	75.8	0.8	76.6
Total	Lumens	2642.1	38.0	2680.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	1.5
10°-20°	124.8	4.7
20°-30°	216.5	8.1
30°-40°	314.1	11.7
40°-50°	421.5	15.7
50°-60°	509.7	19.0
60°-70°	548.7	20.5
70°-80°	376.8	14.1
80°-90°	89.9	3.4
90°-100°	32.5	1.2
100°-110°	4.1	0.2
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.2	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°	2642.1	98.6
0°-180°	2680.0	100.0

Coefficient of Utilization



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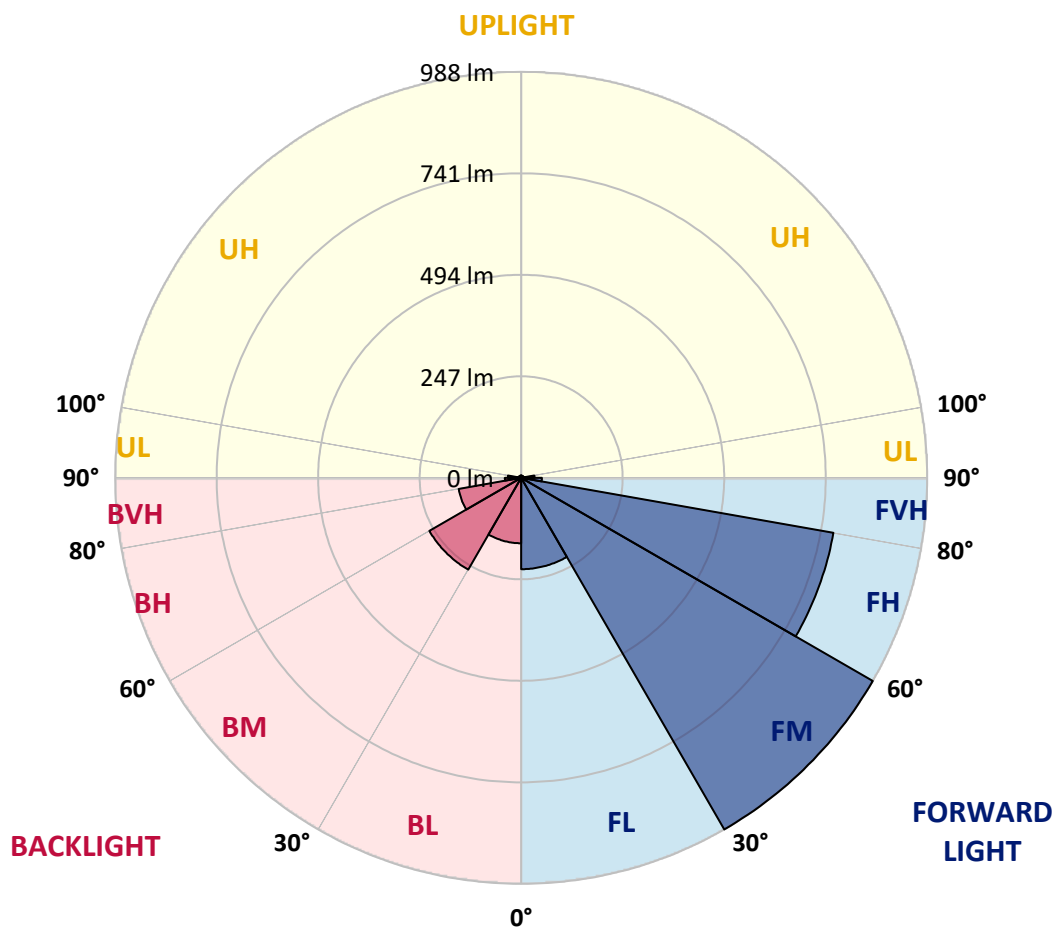
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.2	8.3			
FM	(30°-60°)	987.5	36.8			
FH	(60°-80°)	771.1	28.8			G1/1800
FVH	(80°-90°)	50.3	1.9			G1/100
BL	(0°-30°)	159.1	5.9	B1/500		
BM	(30°-60°)	257.8	9.6	B1/1000		
BH	(60°-80°)	154.4	5.8	B1/500		G1/500
BVH	(80°-90°)	39.6	1.5			G1/100
UL	(90°-100°)	32.5	1.2		U2/50	
UH	(100°-180°)	5.4	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°	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2
2.5°	398.7	398.7	397.8	397.8	398.7	399.6	398.7	397.8	398.7	399.6	402.2
5°	414.5	413.6	412.7	409.2	405.7	403.1	401.3	400.5	401.3	404.8	411.0
7.5°	425.0	424.2	424.2	423.3	419.8	412.7	408.4	407.5	407.5	408.4	416.3
10°	447.0	445.2	441.7	435.6	432.1	423.3	415.4	413.6	413.6	415.4	425.0
12.5°	470.7	467.2	468.1	461.0	450.5	440.8	429.4	425.0	423.3	425.0	430.3
15°	503.2	500.6	493.5	485.6	475.1	461.9	447.9	440.8	440.0	442.6	438.2
17.5°	526.9	523.4	524.3	512.9	504.1	486.5	473.3	460.2	460.2	463.7	452.3
20°	551.5	549.7	552.4	549.7	536.6	520.8	501.4	485.6	483.0	484.8	468.1
22.5°	583.1	580.5	580.5	581.4	570.8	555.0	532.2	516.4	515.5	508.5	485.6
25°	615.6	613.0	612.1	613.9	612.1	593.7	569.9	554.1	551.5	541.8	509.3
27.5°	646.3	646.3	647.2	649.0	651.6	636.7	613.9	596.3	596.3	585.7	541.0
30°	669.2	669.2	677.1	680.6	683.2	679.7	655.1	638.4	640.2	626.1	577.0
32.5°	690.3	691.1	699.9	708.7	711.3	714.0	692.9	682.3	682.3	669.2	615.6
35°	711.3	711.3	723.6	741.2	750.0	747.3	737.7	734.2	735.0	732.4	672.7
37.5°	728.0	729.8	748.2	770.2	782.5	786.9	781.6	793.0	803.5	811.4	747.3
40°	744.7	744.7	762.3	786.0	807.9	820.2	827.2	870.3	878.2	880.8	789.5
42.5°	727.1	731.5	768.4	803.5	831.6	852.7	884.3	948.4	958.1	928.2	846.6
45°	710.5	715.7	752.6	811.4	851.8	894.0	948.4	1013.4	1021.3	976.5	880.8
47.5°	693.8	699.9	740.3	804.4	870.3	939.7	998.5	1070.5	1074.0	1016.1	919.5
50°	676.2	682.3	725.4	796.5	881.7	986.2	1048.6	1122.3	1122.3	1051.2	942.3
52.5°	654.2	661.3	705.2	784.2	890.5	1017.8	1094.2	1160.1	1153.1	1093.3	967.8
55°	626.1	635.8	682.3	766.7	894.0	1034.5	1123.2	1197.0	1195.2	1145.2	1000.3
57.5°	596.3	604.2	654.2	743.8	890.5	1045.9	1153.9	1261.1	1263.7	1189.9	1025.7
60°	562.9	568.2	616.5	712.2	867.6	1066.1	1223.3	1329.6	1333.1	1231.2	1035.4
62.5°	519.0	522.5	568.2	669.2	836.9	1079.3	1273.4	1391.9	1390.2	1268.1	1037.1
65°	463.7	468.1	511.1	612.1	791.2	1070.5	1285.7	1419.1	1420.9	1285.7	1034.5
67.5°	410.1	412.7	448.8	536.6	717.5	1028.4	1273.4	1435.0	1442.9	1300.6	1009.0
70°	339.0	339.9	371.5	449.6	615.6	947.6	1248.8	1444.6	1440.2	1283.0	965.1
72.5°	260.8	261.7	285.4	344.2	478.6	807.1	1161.8	1362.9	1355.0	1186.4	870.3
75°	185.3	188.8	202.9	241.5	320.5	589.3	994.1	1206.6	1211.9	1055.6	725.4
77.5°	105.4	108.9	120.3	151.0	184.4	330.2	750.8	1006.4	1009.9	887.8	556.8
80°	45.7	46.5	50.9	72.0	98.4	158.1	384.6	705.2	756.1	603.3	317.9
82.5°	38.6	38.6	40.4	42.2	43.0	72.0	149.3	218.7	225.7	178.3	103.6
85°	33.4	33.4	35.1	36.9	37.8	49.2	90.5	109.8	114.2	101.9	72.9
87.5°	26.3	26.3	29.0	30.7	30.7	40.4	67.6	81.7	84.3	81.7	65.0
90°	23.7	23.7	22.8	22.8	23.7	29.0	52.7	68.5	71.1	86.9	74.6
92.5°	20.2	21.1	21.1	21.1	18.4	21.1	37.8	60.6	65.9	86.1	67.6
95°	20.2	19.3	19.3	18.4	17.6	18.4	28.1	52.7	58.8	74.6	57.1
97.5°	14.1	13.2	14.1	14.9	15.8	16.7	23.7	38.6	43.0	58.0	42.2
100°	8.8	8.8	8.8	8.8	10.5	11.4	19.3	23.7	26.3	36.9	28.1
102.5°	5.3	4.4	4.4	4.4	5.3	7.0	9.7	13.2	14.1	21.1	16.7
105°	1.8	1.8	1.8	1.8	2.6	3.5	3.5	5.3	5.3	7.0	7.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9

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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	0.9	0.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
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°	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2	402.2
2.5°	404.0	405.7	409.2	413.6	418.9	423.3	426.8	427.7	429.4	429.4	431.2
5°	412.7	416.3	421.5	427.7	430.3	428.6	428.6	429.4	431.2	435.6	437.3
7.5°	422.4	425.0	425.0	427.7	432.9	431.2	430.3	429.4	429.4	427.7	430.3
10°	425.9	422.4	426.8	425.9	424.2	427.7	428.6	423.3	424.2	424.2	425.0
12.5°	426.8	426.8	423.3	423.3	423.3	415.4	413.6	418.0	413.6	415.4	414.5
15°	436.5	429.4	425.0	419.8	412.7	410.1	404.0	396.9	396.9	398.7	398.7
17.5°	443.5	436.5	423.3	409.2	406.6	394.3	389.9	388.2	387.3	388.2	389.9
20°	454.0	443.5	421.5	407.5	384.6	380.3	372.3	371.5	369.7	363.6	361.8
22.5°	468.1	451.4	420.6	392.5	374.1	359.2	345.1	336.3	335.5	331.1	328.4
25°	483.9	467.2	424.2	385.5	354.8	332.8	321.4	301.2	291.6	295.1	293.3
27.5°	516.4	485.6	430.3	375.9	339.0	304.7	278.4	266.1	253.8	253.8	255.6
30°	546.2	509.3	430.3	367.1	312.6	271.4	237.1	217.8	212.5	209.0	207.3
32.5°	591.0	539.2	448.8	354.8	288.0	228.3	189.7	166.9	167.7	171.2	170.4
35°	642.8	586.6	454.0	337.2	252.0	185.3	146.7	134.4	141.4	143.1	143.1
37.5°	705.2	644.6	477.7	323.2	214.3	137.0	115.9	110.7	116.8	115.9	119.4
40°	739.4	672.7	497.9	305.6	164.2	101.0	89.6	86.1	95.7	103.6	105.4
42.5°	787.7	706.1	517.3	272.2	111.5	73.8	68.5	79.9	94.0	102.7	103.6
45°	814.1	725.4	509.3	231.0	71.1	59.7	66.7	80.8	95.7	104.5	105.4
47.5°	845.7	750.8	495.3	180.0	57.1	58.8	67.6	82.5	98.4	106.3	106.3
50°	877.3	776.3	461.0	141.4	53.6	58.0	69.4	83.4	97.5	102.7	102.7
52.5°	895.7	798.3	420.6	102.7	52.7	58.0	70.3	84.3	96.6	99.2	99.2
55°	912.4	800.0	385.5	76.4	51.8	58.8	71.1	86.1	97.5	100.1	99.2
57.5°	922.1	788.6	360.9	65.9	50.9	58.8	72.0	87.8	104.5	110.7	108.9
60°	916.8	771.0	342.5	61.5	50.1	58.8	72.9	93.1	132.6	143.1	139.6
62.5°	908.0	758.8	303.9	56.2	48.3	58.8	73.8	105.4	147.5	152.8	148.4
65°	896.6	722.7	259.9	50.9	46.5	58.0	74.6	114.2	140.5	140.5	139.6
67.5°	849.2	674.4	194.1	45.7	43.9	58.0	76.4	112.4	135.2	146.7	146.7
70°	786.0	593.7	128.2	40.4	41.3	56.2	79.9	114.2	139.6	155.4	153.7
72.5°	665.7	492.7	71.1	35.1	37.8	55.3	79.9	121.2	151.0	168.6	166.0
75°	543.6	364.4	50.9	31.6	34.2	53.6	80.8	125.6	161.6	180.0	175.6
77.5°	382.9	209.0	40.4	27.2	30.7	50.9	79.9	123.8	166.9	183.5	178.3
80°	161.6	75.5	33.4	24.6	26.3	45.7	73.8	118.6	166.9	194.1	191.4
82.5°	72.9	53.6	29.0	22.0	24.6	37.8	68.5	114.2	161.6	195.0	210.8
85°	57.1	43.9	24.6	19.3	22.0	36.0	61.5	108.9	154.6	180.0	197.6
87.5°	54.4	43.9	22.0	17.6	20.2	30.7	47.4	101.0	138.8	166.0	180.0
90°	58.8	45.7	17.6	14.9	18.4	27.2	38.6	85.2	120.3	145.8	145.8
92.5°	54.4	42.2	13.2	11.4	19.3	22.0	36.9	52.7	86.9	72.9	90.5
95°	45.7	35.1	8.8	7.9	18.4	18.4	20.2	24.6	60.6	1.8	0.0
97.5°	33.4	25.5	5.3	4.4	14.1	14.9	9.7	11.4	24.6	0.0	0.0
100°	24.6	16.7	3.5	3.5	8.8	12.3	6.1	6.1	0.0	0.0	0.0
102.5°	13.2	8.8	2.6	1.8	4.4	7.0	2.6	1.8	0.0	0.0	0.0
105°	7.0	3.5	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
107.5°	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C013-D-U-T3-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
122.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
135°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.9	0.9	0.9	0.9	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)