

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: P691160

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2455 lumens
Efficiency: N/A
Efficacy: 120.3 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



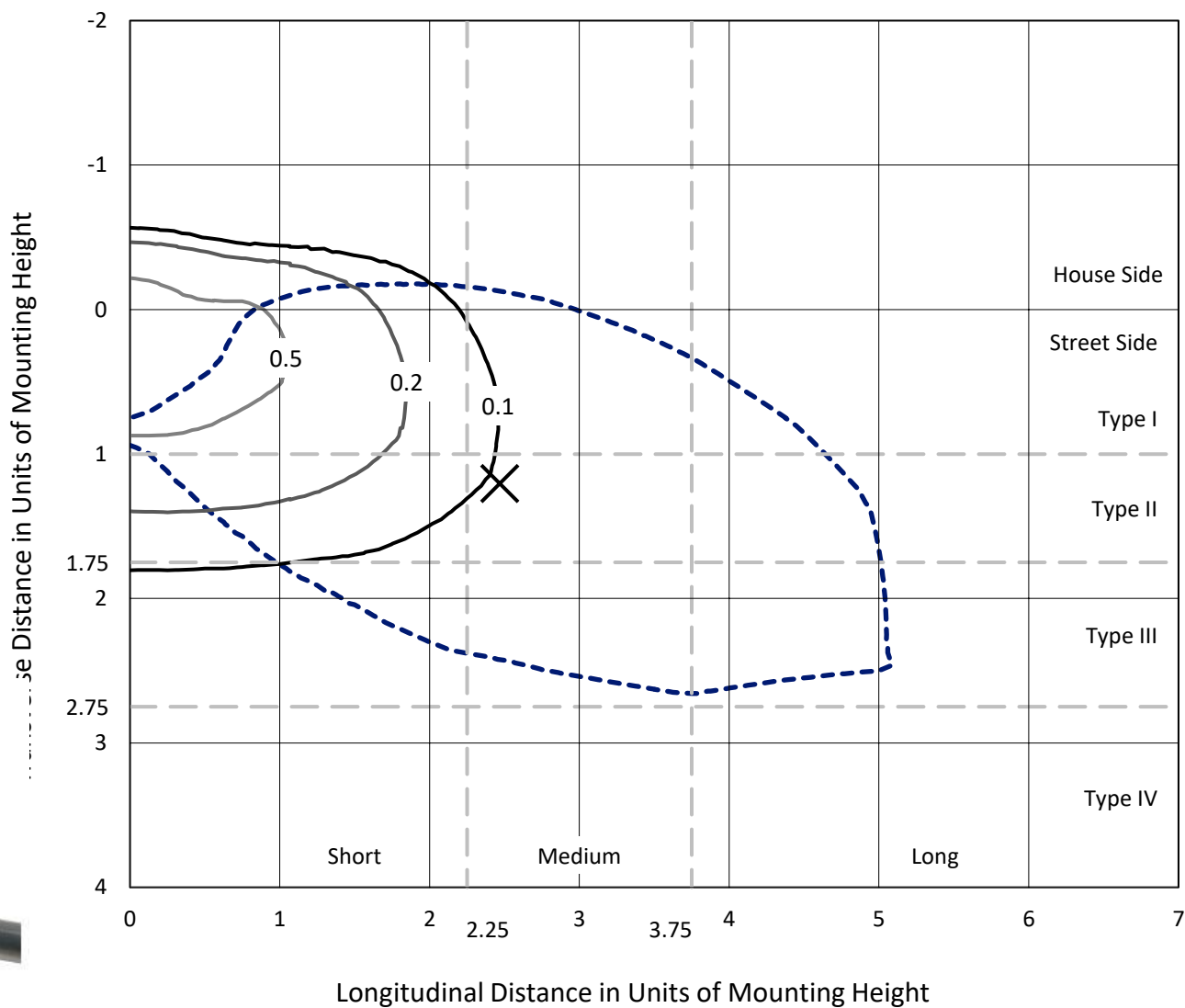
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

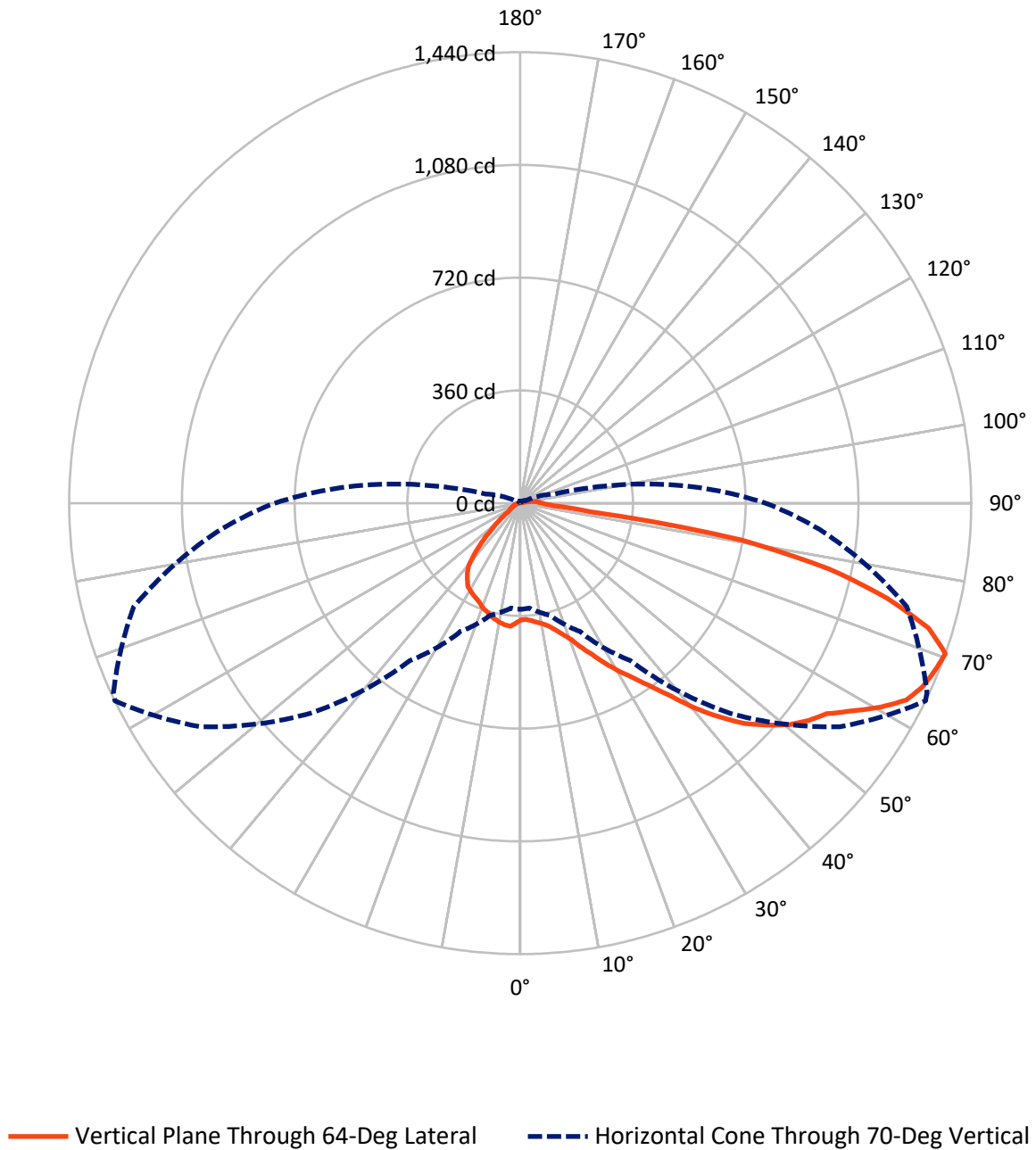


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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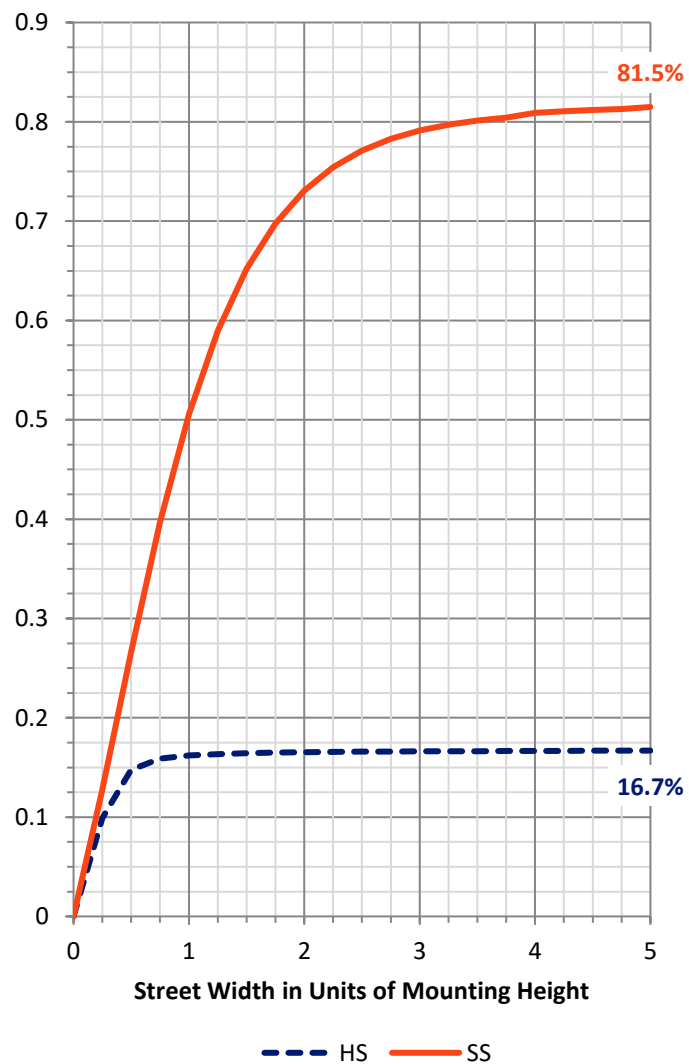
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	416.4	5.1	421.5
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	2012.9	20.7	2033.6
	% Fixture	82.0	0.8	82.8
Total	Lumens	2429.2	25.8	2455.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	1.5
10°-20°	113.1	4.6
20°-30°	195.6	8.0
30°-40°	290.2	11.8
40°-50°	398.7	16.2
50°-60°	484.2	19.7
60°-70°	514.4	21.0
70°-80°	339.8	13.8
80°-90°	56.3	2.3
90°-100°	21.0	0.9
100°-110°	3.5	0.1
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°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2429.2	98.9
0°-180°	2455.0	100.0

Coefficient of Utilization



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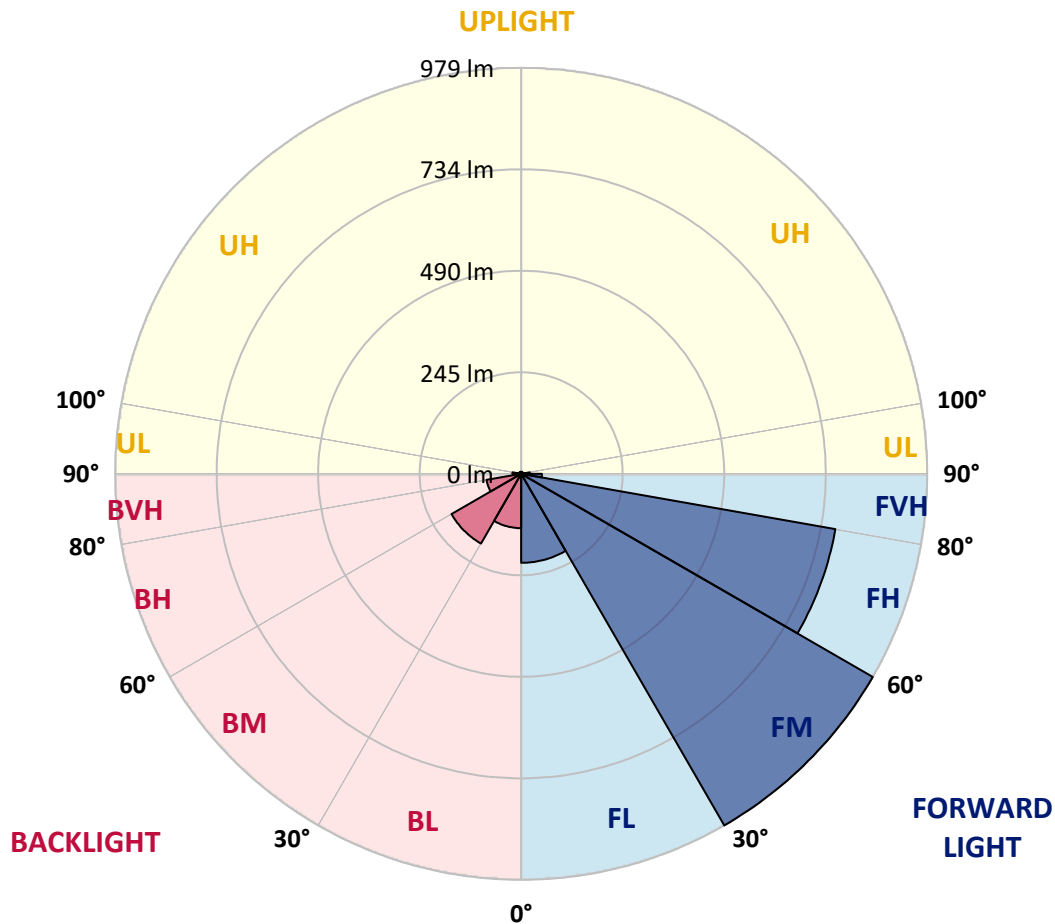
CATALOG NUMBER: CRTK2-C013-D-U-T3-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.6	8.7			
FM	(30°-60°)	979.0	39.9			
FH	(60°-80°)	769.3	31.3			G1/1800
FVH	(80°-90°)	49.9	2.0			G1/100
BL	(0°-30°)	131.1	5.3	B1/500		
BM	(30°-60°)	194.1	7.9	B0/220		
BH	(60°-80°)	84.9	3.5	B0/110		G0/110
BVH	(80°-90°)	6.3	0.3			G0/10
UL	(90°-100°)	21.0	0.9		U2/50	
UH	(100°-180°)	4.8	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°	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4
2.5°	375.0	374.2	375.0	374.2	373.3	372.4	371.5	371.5	370.7	371.5	372.4
5°	391.7	392.6	390.9	387.3	383.0	379.4	377.7	376.8	376.8	377.7	381.2
7.5°	404.0	403.2	402.3	401.4	397.9	390.0	385.6	383.8	383.8	382.1	388.2
10°	426.0	424.2	419.8	414.6	411.1	402.3	394.4	391.7	390.9	391.7	397.0
12.5°	449.7	447.9	447.1	441.8	429.5	421.6	408.4	402.3	402.3	402.3	404.9
15°	484.0	481.3	472.5	466.4	455.9	442.7	427.7	419.0	419.0	420.7	413.7
17.5°	508.6	506.8	505.9	495.4	486.6	466.4	455.0	440.0	440.0	443.6	428.6
20°	534.0	532.3	533.1	531.4	518.2	502.4	482.2	464.6	464.6	465.5	444.4
22.5°	568.3	565.6	565.6	564.8	557.7	539.3	515.6	500.6	498.0	491.0	464.6
25°	602.5	601.7	599.9	600.8	599.0	577.9	552.5	535.8	535.8	526.1	491.9
27.5°	636.8	636.8	635.9	636.8	635.9	622.7	597.3	579.7	580.6	568.3	521.7
30°	661.4	660.5	666.7	669.3	671.0	665.8	641.2	621.9	623.6	611.3	556.9
32.5°	684.2	683.3	693.9	700.0	701.8	700.9	680.7	664.9	669.3	657.9	599.0
35°	705.3	704.4	718.5	734.3	741.3	739.6	726.4	717.6	722.0	721.1	656.1
37.5°	721.1	723.7	742.2	764.1	776.4	777.3	771.2	780.8	786.1	803.7	727.3
40°	739.6	739.6	757.1	780.8	802.8	811.6	816.8	860.8	866.0	869.5	774.7
42.5°	720.2	725.5	763.3	798.4	826.5	846.7	875.7	932.8	944.2	917.9	832.7
45°	705.3	709.7	748.3	807.2	847.6	885.4	939.8	1003.0	1011.8	966.2	863.4
47.5°	689.5	696.5	736.0	801.0	867.8	932.8	993.4	1058.4	1066.3	1007.4	906.4
50°	671.0	678.9	721.1	792.3	878.3	977.6	1041.7	1112.0	1112.8	1043.5	930.1
52.5°	653.5	658.7	702.7	780.8	887.1	1011.8	1087.4	1152.4	1147.1	1089.1	955.6
55°	623.6	634.2	680.7	765.0	891.5	1031.2	1119.0	1186.6	1190.1	1138.3	989.9
57.5°	596.4	603.4	652.6	742.2	888.0	1042.6	1149.7	1250.7	1257.8	1182.2	1014.5
60°	562.1	566.5	614.0	710.6	865.2	1061.9	1218.2	1321.9	1329.8	1224.4	1024.1
62.5°	519.1	519.1	566.5	668.4	836.2	1076.0	1265.7	1383.4	1383.4	1257.8	1027.6
65°	463.8	466.4	508.6	611.3	787.9	1068.0	1279.7	1412.4	1415.0	1281.5	1025.9
67.5°	410.2	409.3	446.2	536.7	715.0	1026.8	1269.2	1427.3	1437.8	1295.5	1003.0
70°	339.0	336.4	370.7	452.3	613.1	948.6	1244.6	1439.6	1432.6	1277.1	958.3
72.5°	260.9	258.2	283.7	346.1	483.1	814.2	1172.6	1362.3	1350.0	1177.0	866.0
75°	185.3	181.8	202.0	243.3	318.0	595.5	1005.7	1208.6	1194.5	1058.4	722.9
77.5°	105.4	101.9	120.3	153.7	192.4	337.3	761.5	1007.4	1026.8	873.1	552.5
80°	46.6	44.8	52.7	73.8	108.0	160.7	414.6	720.2	693.9	595.5	314.4
82.5°	39.5	39.5	40.4	42.2	43.9	73.8	155.5	226.6	216.9	174.8	100.1
85°	34.3	33.4	35.1	36.9	37.8	48.3	90.5	108.9	107.2	96.6	69.4
87.5°	28.1	26.3	29.0	30.7	30.7	39.5	67.6	79.9	79.9	80.8	61.5
90°	24.6	24.6	22.8	22.8	23.7	28.1	51.8	65.9	67.6	83.4	71.1
92.5°	21.1	21.1	21.1	21.1	17.6	20.2	36.9	58.8	63.2	81.7	64.1
95°	20.2	19.3	20.2	18.4	17.6	18.4	28.1	51.8	57.1	72.0	56.2
97.5°	14.1	13.2	14.9	14.9	15.8	16.7	23.7	38.6	40.4	53.6	42.2
100°	9.7	8.8	8.8	8.8	11.4	11.4	19.3	23.7	24.6	34.3	28.1
102.5°	5.3	4.4	4.4	4.4	6.1	7.0	9.7	13.2	13.2	18.4	15.8
105°	1.8	1.8	2.6	2.6	2.6	3.5	3.5	4.4	4.4	5.3	7.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.9	0.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.9	0.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4	372.4
2.5°	373.3	375.0	379.4	382.1	385.6	389.1	391.7	391.7	394.4	392.6	391.7
5°	384.7	385.6	390.9	394.4	393.5	390.0	387.3	385.6	386.5	388.2	388.2
7.5°	392.6	396.1	391.7	391.7	390.9	386.5	381.2	375.9	373.3	372.4	372.4
10°	397.0	393.5	391.7	387.3	377.7	375.0	370.7	361.0	358.4	358.4	354.8
12.5°	399.6	397.9	388.2	380.3	371.5	357.5	347.8	346.1	338.2	337.3	338.2
15°	410.2	401.4	389.1	374.2	357.5	345.2	332.0	318.0	311.8	312.7	313.6
17.5°	417.2	409.3	387.3	363.6	348.7	325.9	310.9	303.0	293.4	293.4	293.4
20°	428.6	415.4	384.7	359.2	324.1	307.4	289.8	281.1	271.4	254.7	253.0
22.5°	443.6	426.9	383.8	346.1	314.4	287.2	261.7	234.5	220.5	210.8	208.2
25°	462.0	442.7	390.0	339.9	296.0	262.6	230.1	193.2	166.9	161.6	161.6
27.5°	493.6	462.9	397.9	333.8	285.5	235.4	184.4	152.0	129.1	122.1	121.2
30°	524.4	488.4	400.5	327.6	265.3	198.5	142.3	108.0	87.8	79.0	77.3
32.5°	572.7	523.5	423.4	322.3	242.4	159.9	101.0	68.5	51.8	46.6	45.7
35°	621.9	570.9	431.3	308.3	201.1	116.8	58.0	36.9	28.1	23.7	22.8
37.5°	685.1	630.6	455.0	293.4	159.9	66.8	32.5	20.2	17.6	17.6	17.6
40°	722.0	657.0	476.1	274.0	109.8	34.3	19.3	15.8	15.8	14.9	14.9
42.5°	769.4	689.5	494.5	236.3	58.0	21.1	16.7	14.9	13.2	13.2	13.2
45°	796.6	710.6	488.4	189.7	27.2	19.3	15.8	13.2	12.3	12.3	12.3
47.5°	830.0	736.9	475.2	140.5	23.7	17.6	14.9	12.3	11.4	12.3	12.3
50°	863.4	763.3	441.8	108.0	22.0	16.7	13.2	10.5	10.5	11.4	11.4
52.5°	880.1	781.7	402.3	74.7	22.0	15.8	12.3	10.5	9.7	9.7	9.7
55°	899.4	786.1	368.9	49.2	21.1	14.9	11.4	8.8	8.8	7.9	7.9
57.5°	909.9	774.7	344.3	41.3	20.2	14.1	10.5	7.9	7.0	6.1	6.1
60°	905.6	758.0	323.2	36.0	18.4	13.2	9.7	7.0	5.3	4.4	4.4
62.5°	896.8	743.9	284.6	31.6	17.6	11.4	7.9	6.1	4.4	3.5	3.5
65°	887.1	706.2	239.8	27.2	15.8	10.5	7.0	5.3	3.5	2.6	2.6
67.5°	842.3	656.1	175.7	24.6	14.9	9.7	6.1	4.4	3.5	2.6	2.6
70°	783.5	572.7	113.3	21.1	13.2	8.8	6.1	3.5	2.6	1.8	1.8
72.5°	666.7	467.3	57.1	18.4	12.3	8.8	5.3	3.5	2.6	1.8	0.9
75°	544.6	348.7	36.9	15.8	11.4	8.8	5.3	3.5	1.8	0.9	0.9
77.5°	390.0	188.8	28.1	14.1	9.7	8.8	4.4	2.6	1.8	1.8	0.9
80°	162.5	68.5	22.8	11.4	8.8	7.9	4.4	2.6	1.8	1.8	0.9
82.5°	68.5	47.4	20.2	9.7	7.9	7.9	3.5	2.6	1.8	1.8	1.8
85°	53.6	39.5	17.6	8.8	7.0	8.8	3.5	2.6	2.6	2.6	2.6
87.5°	50.1	40.4	15.8	7.9	7.0	6.1	3.5	2.6	4.4	4.4	5.3
90°	56.2	42.2	12.3	7.0	6.1	5.3	2.6	1.8	1.8	0.0	0.0
92.5°	51.8	38.6	8.8	5.3	7.9	3.5	1.8	0.0	0.0	0.0	0.0
95°	44.8	32.5	5.3	3.5	8.8	4.4	0.9	0.0	0.0	0.0	0.0
97.5°	33.4	23.7	3.5	1.8	7.0	5.3	0.9	0.0	0.0	0.0	0.0
100°	23.7	14.9	2.6	1.8	4.4	5.3	0.9	0.0	0.0	0.0	0.0
102.5°	13.2	7.9	1.8	0.9	1.8	1.8	0.0	0.0	0.0	0.0	0.0
105°	6.1	2.6	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.9	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	0.9	0.0	0.0	0.0	0.0	0.0



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

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	0.9	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	0.9	0.0	0.0	0.0	0.0	0.0
125°	0.9	0.9	0.9	0.9	0.9	0.9	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	0.9	0.0	0.0	0.0	0.0	0.0
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	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	0.9	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	0.0	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)