

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: P691162

Luminaire Tested: **CRTK2-C013-D-U-T3-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)
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-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2211 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B1 - U3 - 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



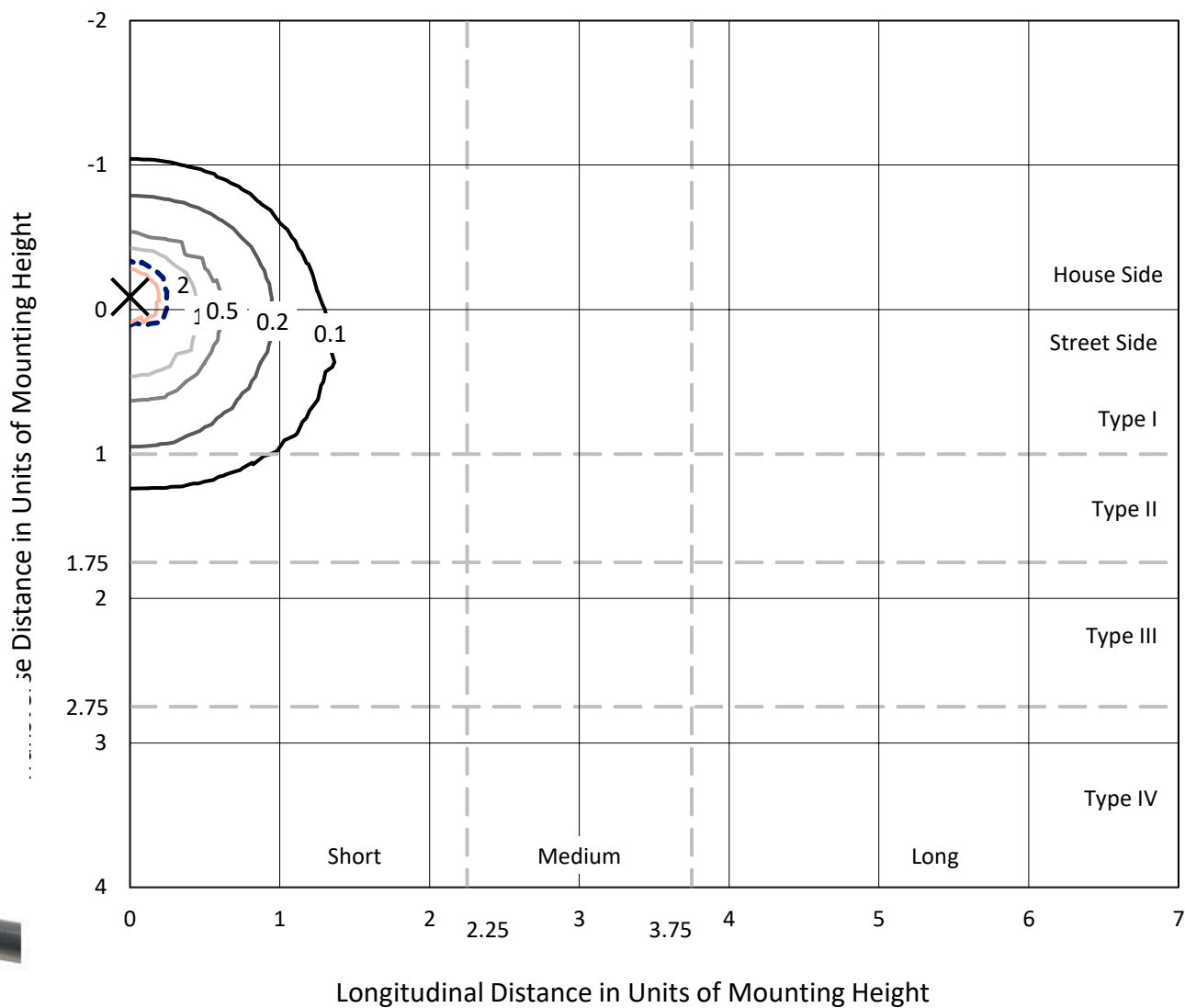
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

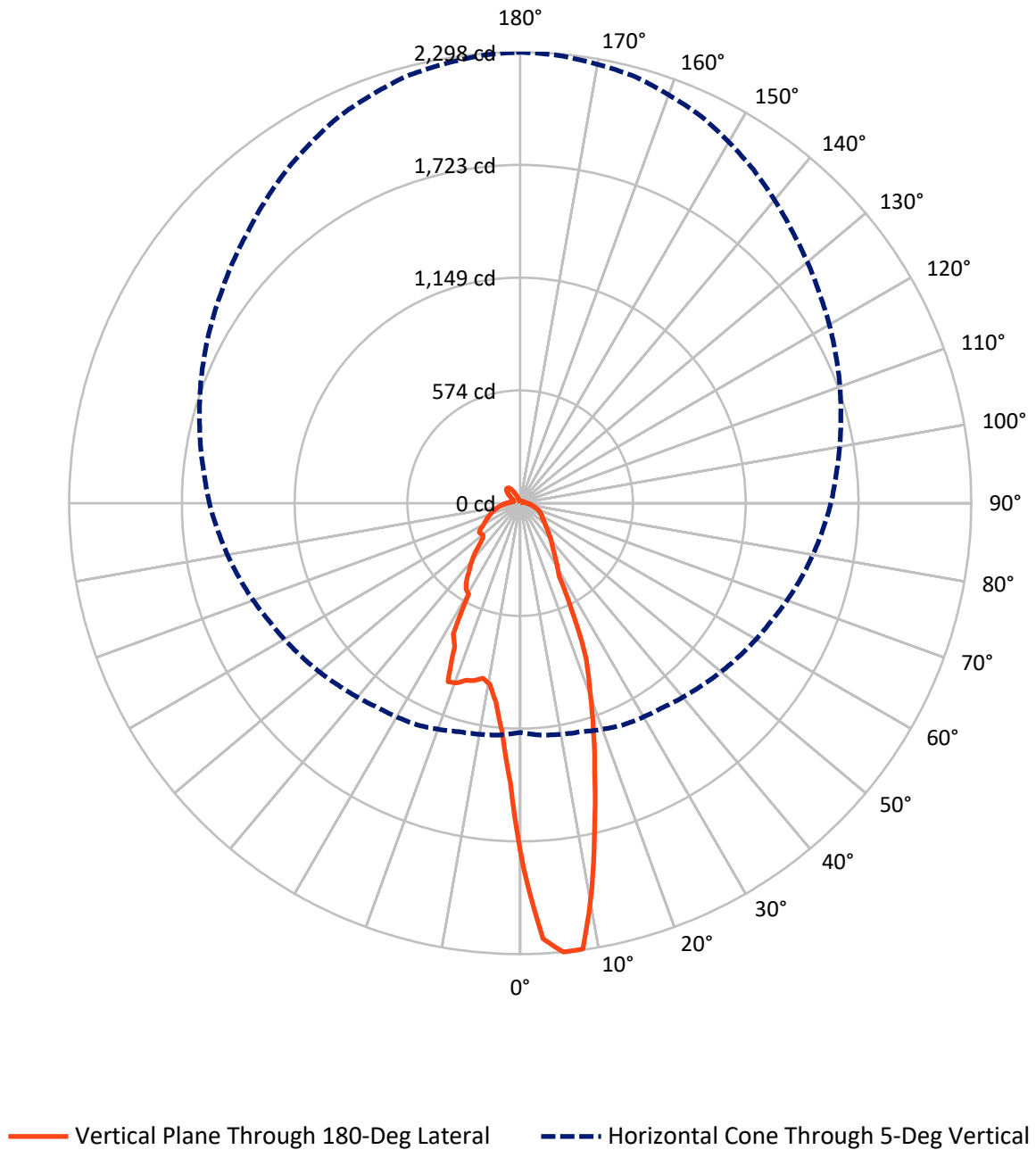


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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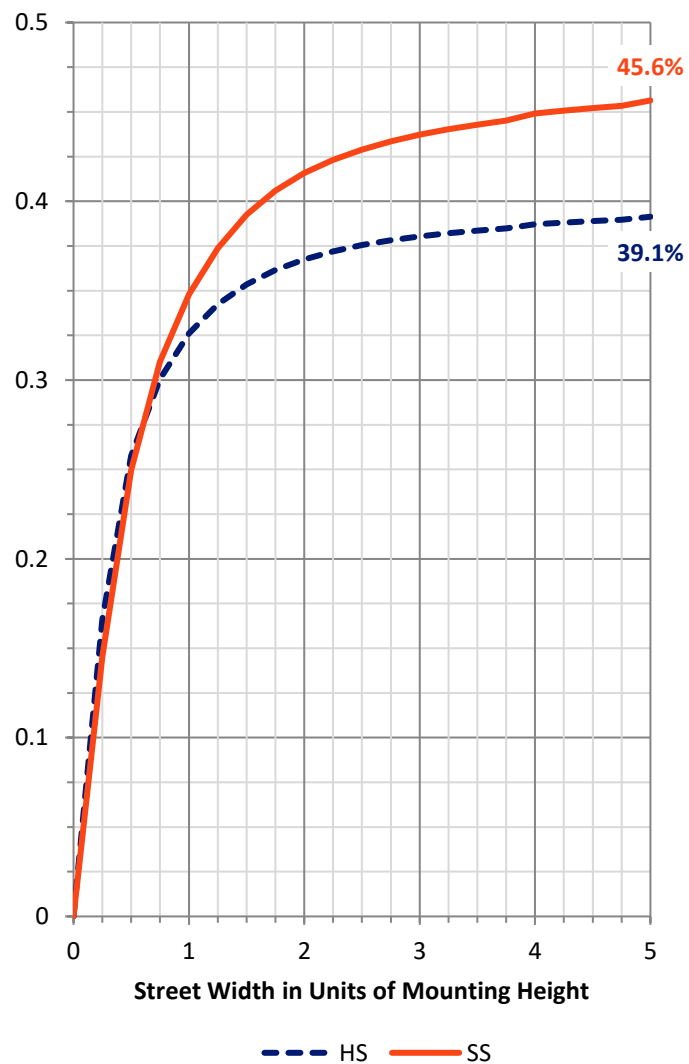
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	888.6	95.3	983.9
	% Fixture	40.2	4.3	44.5
Street Side	Lumens	1037.0	190.0	1227.1
	% Fixture	46.9	8.6	55.5
Total	Lumens	1925.7	285.3	2211.0
	% Fixture	87.1	12.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.6	6.7
10°-20°	318.7	14.4
20°-30°	351.0	15.9
30°-40°	257.9	11.7
40°-50°	216.1	9.8
50°-60°	216.8	9.8
60°-70°	185.7	8.4
70°-80°	138.3	6.3
80°-90°	92.6	4.2
90°-100°	55.0	2.5
100°-110°	31.9	1.4
110°-120°	29.7	1.3
120°-130°	43.1	1.9
130°-140°	57.9	2.6
140°-150°	46.9	2.1
150°-160°	18.5	0.8
160°-170°	2.3	0.1
170°-180°	0.0	0.0
0°-90°	1925.7	87.1
0°-180°	2211.0	100.0

Coefficient of Utilization



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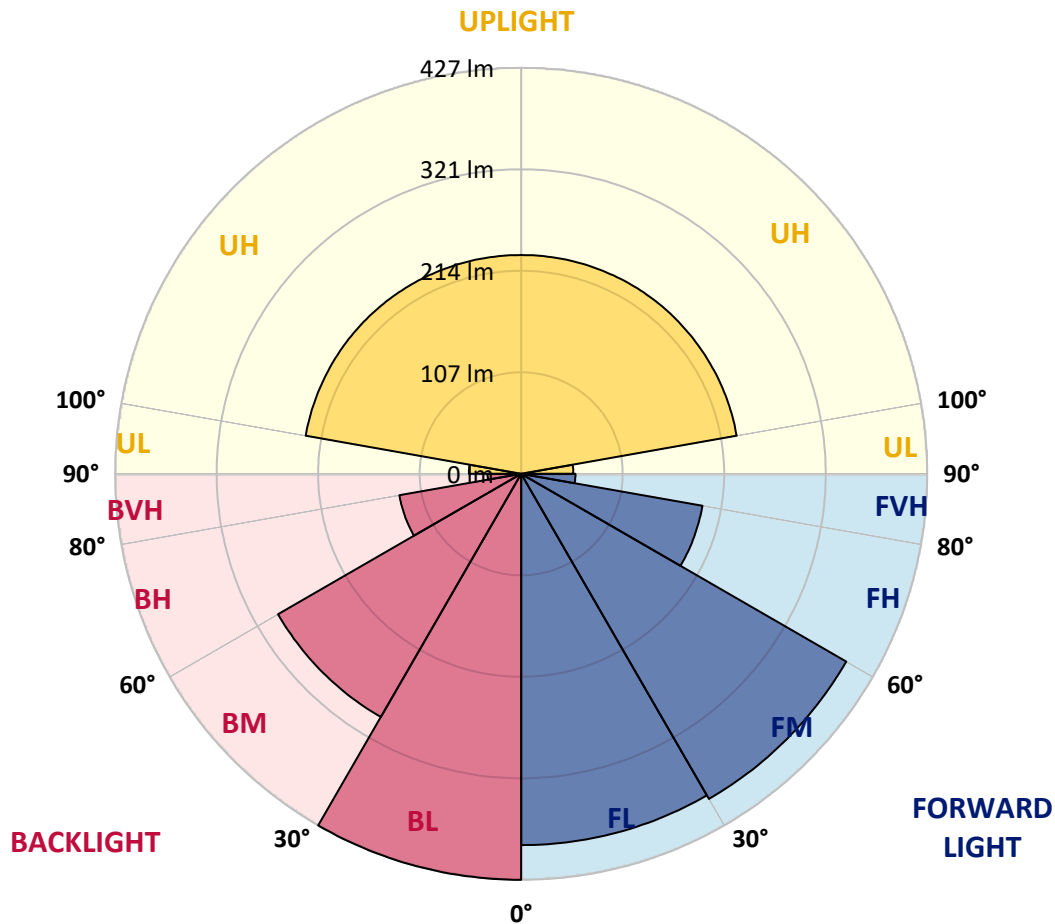
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	390.9	17.7			
FM	(30°-60°)	395.2	17.9			
FH	(60°-80°)	193.8	8.8			G0/660
FVH	(80°-90°)	57.1	2.6			G1/100
BL	(0°-30°)	427.4	19.3	B1/500		
BM	(30°-60°)	295.6	13.4	B1/1000		
BH	(60°-80°)	130.2	5.9	B1/500		G1/500
BVH	(80°-90°)	35.4	1.6			G1/100
UL	(90°-100°)	55.0	2.5		U3/500	
UH	(100°-180°)	230.3	10.4		U3/500	

BUG Rating: B1-U3-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8
2.5°	1425.9	1446.9	1457.5	1489.1	1499.6	1519.8	1550.5	1581.3	1633.1	1671.7	1701.6
5°	1168.6	1186.2	1205.5	1245.9	1269.6	1311.7	1360.9	1413.6	1480.3	1547.9	1583.0
7.5°	1018.5	1022.9	1051.0	1100.1	1143.2	1187.9	1241.5	1287.1	1332.8	1388.1	1423.2
10°	935.9	942.1	960.5	998.3	1035.2	1072.0	1114.2	1149.3	1195.8	1242.4	1263.4
12.5°	911.4	914.0	929.8	951.7	975.5	999.2	1031.6	1063.3	1104.5	1144.9	1159.0
15°	933.3	933.3	935.9	944.7	957.0	975.5	1000.0	1027.3	1065.0	1094.9	1109.8
17.5°	943.8	944.7	951.7	953.5	964.9	972.8	994.8	1015.8	1051.8	1076.4	1084.3
20°	971.9	971.9	972.8	977.2	979.0	983.4	993.0	1004.4	1034.3	1047.5	1045.7
22.5°	980.7	977.2	991.3	1016.7	1015.8	1016.7	1007.9	1010.6	1027.3	1022.0	1009.7
25°	805.1	800.7	816.5	832.3	855.2	884.1	956.1	1012.3	1033.4	1016.7	989.5
27.5°	748.9	729.6	725.2	687.5	653.2	597.0	591.8	556.7	553.1	575.1	595.3
30°	532.1	532.9	532.1	528.6	525.9	528.6	531.2	525.0	526.8	540.8	534.7
32.5°	518.9	518.9	515.4	513.6	505.7	503.1	498.7	487.3	489.0	499.6	496.9
35°	483.8	482.0	482.9	478.5	464.5	453.0	451.3	441.6	441.6	447.8	445.1
37.5°	431.1	428.5	439.0	438.1	426.7	422.3	417.9	411.8	411.8	417.0	411.8
40°	389.8	388.1	399.5	403.0	396.0	397.7	398.6	393.3	398.6	399.5	392.5
42.5°	345.9	345.1	354.7	353.8	347.7	346.8	345.9	342.4	351.2	358.2	353.0
45°	294.1	291.5	298.5	301.2	299.4	296.8	295.9	295.9	301.2	304.7	299.4
47.5°	259.9	260.8	266.0	272.2	273.9	275.7	274.8	273.1	276.6	277.4	273.1
50°	248.5	249.4	257.3	264.3	269.5	273.1	273.1	270.4	273.1	270.4	264.3
52.5°	253.7	253.7	264.3	274.8	283.6	289.7	290.6	287.1	287.1	280.1	270.4
55°	255.5	257.3	271.3	288.9	304.7	321.3	329.2	326.6	329.2	314.3	298.5
57.5°	238.8	243.2	257.3	278.3	299.4	325.7	342.4	344.2	343.3	330.1	310.8
60°	216.9	220.4	230.0	248.5	268.7	289.7	306.4	309.9	313.4	307.3	289.7
62.5°	201.9	203.7	211.6	224.8	238.8	250.2	256.4	255.5	259.0	257.3	244.1
65°	188.8	189.6	198.4	209.0	217.7	229.2	230.9	230.9	233.5	230.0	219.5
67.5°	174.7	174.7	181.7	191.4	201.9	211.6	214.2	215.1	218.6	215.1	207.2
70°	162.4	162.4	168.6	176.5	184.4	194.0	196.7	197.5	201.9	197.5	189.6
72.5°	151.0	151.0	156.3	163.3	170.3	178.2	180.9	181.7	185.3	180.9	174.7
75°	138.7	139.6	144.0	150.1	156.3	163.3	166.8	166.8	169.5	164.2	158.9
77.5°	126.4	127.3	131.7	137.0	142.2	149.3	151.0	151.9	154.5	149.3	144.0
80°	114.1	115.9	119.4	123.8	129.1	134.3	137.8	137.8	139.6	134.3	130.8
82.5°	102.7	104.5	107.1	110.6	115.9	121.2	124.7	124.7	125.6	121.2	116.8
85°	91.3	93.1	95.7	98.3	102.7	108.0	111.5	111.5	112.4	108.0	104.5
87.5°	80.8	82.5	84.3	86.9	90.4	95.7	99.2	99.2	99.2	95.7	92.2
90°	70.2	71.1	72.9	75.5	79.0	83.4	86.0	86.9	86.9	82.5	80.8
92.5°	62.3	62.3	64.1	65.8	69.4	72.9	75.5	76.4	76.4	73.8	71.1
95°	53.6	54.4	55.3	57.1	59.7	62.3	65.8	65.8	65.8	64.1	62.3
97.5°	47.4	46.5	47.4	48.3	50.9	52.7	55.3	56.2	56.2	54.4	53.6
100°	40.4	41.3	41.3	42.1	43.0	43.9	45.7	46.5	46.5	45.7	45.7
102.5°	37.8	36.9	36.9	36.9	36.9	36.9	37.8	37.8	38.6	37.8	36.9
105°	35.1	35.1	35.1	35.1	34.2	34.2	34.2	34.2	33.4	32.5	32.5
107.5°	34.2	34.2	34.2	34.2	33.4	33.4	32.5	32.5	31.6	30.7	29.9
110°	34.2	34.2	34.2	34.2	33.4	32.5	32.5	31.6	30.7	29.9	29.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	36.0	36.0	36.0	36.0	34.2	33.4	32.5	32.5	30.7	29.9	29.0
115°	39.5	39.5	38.6	38.6	37.8	36.0	35.1	34.2	33.4	31.6	30.7
117.5°	43.0	43.0	43.0	43.0	42.1	40.4	38.6	37.8	36.9	34.2	33.4
120°	49.2	49.2	49.2	50.0	48.3	46.5	44.8	43.0	42.1	39.5	37.8
122.5°	57.1	56.2	57.9	58.8	57.9	55.3	52.7	50.9	49.2	45.7	43.9
125°	65.0	65.0	66.7	69.4	69.4	66.7	63.2	60.6	58.8	53.6	50.9
127.5°	74.6	74.6	77.3	81.7	82.5	79.9	76.4	72.9	70.2	63.2	60.6
130°	83.4	83.4	88.7	93.9	96.6	93.9	90.4	86.0	82.5	74.6	70.2
132.5°	90.4	91.3	97.5	104.5	108.0	107.1	102.7	99.2	95.7	86.0	80.8
135°	97.5	98.3	105.4	114.1	118.5	118.5	115.0	110.6	106.2	95.7	89.6
137.5°	101.0	101.8	110.6	119.4	124.7	126.4	124.7	120.3	115.9	104.5	96.6
140°	101.0	102.7	111.5	120.3	125.6	128.2	128.2	123.8	119.4	108.9	101.0
142.5°	98.3	100.1	108.0	116.8	122.0	125.6	126.4	122.9	118.5	108.0	100.1
145°	93.1	93.9	101.8	109.7	115.0	119.4	121.2	118.5	113.3	104.5	96.6
147.5°	84.3	84.3	91.3	97.5	104.5	108.9	111.5	109.7	105.4	97.5	90.4
150°	72.0	72.0	77.3	83.4	89.6	94.8	97.5	97.5	93.1	86.9	79.9
152.5°	57.1	57.9	61.5	66.7	72.9	77.3	80.8	80.8	78.1	72.9	66.7
155°	43.9	43.9	46.5	50.0	55.3	59.7	62.3	62.3	60.6	56.2	52.7
157.5°	31.6	31.6	33.4	36.9	40.4	43.9	46.5	46.5	44.8	42.1	39.5
160°	21.1	21.1	21.9	24.6	27.2	29.9	31.6	32.5	31.6	29.9	27.2
162.5°	11.4	11.4	12.3	14.0	15.8	18.4	19.3	20.2	20.2	18.4	17.6
165°	3.5	3.5	3.5	5.3	6.1	7.9	8.8	9.7	9.7	9.7	8.8
167.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.6	2.6	2.6	2.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	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	0.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8	1850.8
2.5°	1729.7	1794.6	1866.6	1940.4	2015.9	2087.0	2146.7	2194.1	2219.6	2225.7	2222.2
5°	1614.6	1691.0	1775.3	1861.4	1959.7	2073.0	2176.6	2251.2	2289.8	2296.0	2297.7
7.5°	1450.5	1517.2	1599.7	1698.9	1822.7	1943.9	2103.7	2215.2	2277.5	2294.2	2294.2
10°	1277.5	1336.3	1388.1	1475.0	1583.0	1696.3	1832.4	1935.1	1998.3	2018.5	2001.0
12.5°	1180.0	1205.5	1240.6	1304.7	1372.3	1458.4	1576.0	1642.7	1684.0	1696.3	1685.8
15°	1117.7	1130.9	1145.8	1173.0	1220.4	1274.0	1343.3	1384.6	1410.1	1425.0	1419.7
17.5°	1087.8	1087.8	1085.2	1091.4	1103.6	1128.2	1175.6	1190.6	1202.0	1208.1	1204.6
20°	1042.2	1028.1	1016.7	999.2	992.1	991.3	1002.7	1018.5	1017.6	1018.5	1011.5
22.5°	996.5	967.6	939.5	913.1	883.3	868.3	857.8	863.1	858.7	863.1	858.7
25°	974.6	915.8	859.6	795.5	741.9	700.6	673.4	656.7	628.6	639.2	629.5
27.5°	604.9	580.4	556.7	509.2	464.5	448.7	435.5	428.5	423.2	425.8	424.1
30°	524.2	504.0	485.5	460.9	426.7	405.6	389.8	375.8	371.4	372.3	371.4
32.5°	486.4	470.6	447.8	422.3	391.6	365.2	346.8	333.6	326.6	331.0	327.5
35°	435.5	419.7	400.4	376.7	350.3	326.6	309.1	296.8	288.9	290.6	289.7
37.5°	402.1	387.2	370.5	345.1	322.2	299.4	281.8	269.5	261.6	263.4	261.6
40°	382.8	366.1	348.6	325.7	302.9	279.2	262.5	248.5	240.6	240.6	240.6
42.5°	343.3	330.1	315.2	291.5	271.3	251.1	234.4	223.9	215.1	216.0	214.2
45°	293.3	283.6	272.2	256.4	239.7	223.9	209.8	201.9	194.9	195.8	194.9
47.5°	267.8	259.0	245.8	233.5	218.6	204.6	192.3	182.6	177.4	178.2	176.5
50°	258.1	247.6	232.7	216.0	201.9	187.9	175.6	168.6	163.3	164.2	163.3
52.5°	261.6	245.0	223.9	203.7	187.0	173.0	163.3	155.4	151.9	152.8	151.0
55°	284.5	255.5	223.9	198.4	177.4	161.6	151.9	143.1	139.6	139.6	139.6
57.5°	292.4	260.8	221.3	192.3	169.5	153.6	142.2	133.5	129.9	129.9	129.9
60°	273.9	246.7	210.7	183.5	162.4	147.5	137.8	131.7	129.1	129.1	129.1
62.5°	234.4	216.9	189.6	167.7	151.9	138.7	129.1	121.2	118.5	117.7	117.7
65°	212.5	195.8	173.0	154.5	140.5	129.9	121.2	115.0	111.5	111.5	111.5
67.5°	198.4	182.6	161.6	144.0	130.8	119.4	111.5	105.4	103.6	102.7	102.7
70°	182.6	167.7	146.6	130.8	118.5	108.9	101.0	95.7	93.9	93.9	93.1
72.5°	166.8	152.8	132.6	117.7	106.2	97.5	90.4	86.0	84.3	83.4	83.4
75°	151.9	137.8	119.4	105.4	94.8	86.9	80.8	76.4	74.6	74.6	74.6
77.5°	137.8	124.7	107.1	93.9	85.2	77.3	72.0	68.5	66.7	66.7	66.7
80°	124.7	111.5	95.7	83.4	74.6	68.5	64.1	60.6	58.8	59.7	58.8
82.5°	110.6	100.1	85.2	73.8	66.7	60.6	56.2	53.6	51.8	52.7	51.8
85°	99.2	88.7	74.6	65.0	57.9	52.7	49.2	46.5	44.8	45.7	44.8
87.5°	87.8	78.1	65.8	57.1	50.9	46.5	42.1	40.4	39.5	39.5	38.6
90°	75.5	66.7	56.2	49.2	43.0	39.5	36.0	34.2	33.4	32.5	32.5
92.5°	66.7	59.7	50.0	43.9	38.6	36.0	32.5	30.7	29.9	29.9	29.9
95°	58.8	52.7	44.8	39.5	36.0	32.5	29.9	29.0	28.1	28.1	27.2
97.5°	50.9	45.7	40.4	36.0	32.5	29.9	27.2	26.3	25.5	25.5	25.5
100°	43.0	39.5	35.1	31.6	29.0	27.2	24.6	23.7	22.8	22.8	22.8
102.5°	36.0	33.4	29.9	27.2	25.5	23.7	21.9	21.1	20.2	20.2	20.2
105°	31.6	29.0	27.2	24.6	22.8	21.1	20.2	18.4	17.6	17.6	17.6
107.5°	29.0	27.2	25.5	23.7	21.9	20.2	18.4	16.7	15.8	15.8	15.8
110°	28.1	26.3	24.6	22.8	21.1	19.3	18.4	15.8	14.9	14.9	14.9

REPORT NUMBER: P691162

CATALOG NUMBER: CRTK2-C013-D-U-T3-8027-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	28.1	27.2	25.5	23.7	21.9	20.2	18.4	14.9	14.0	14.0	14.0
115°	29.9	28.1	26.3	24.6	22.8	21.1	19.3	14.9	14.0	14.0	14.0
117.5°	32.5	30.7	28.1	26.3	24.6	21.9	19.3	15.8	14.0	14.0	14.0
120°	36.9	34.2	31.6	29.0	26.3	23.7	20.2	15.8	13.2	14.0	14.0
122.5°	42.1	39.5	35.1	31.6	29.0	25.5	21.1	16.7	13.2	14.0	14.0
125°	49.2	45.7	40.4	36.0	31.6	27.2	21.9	16.7	13.2	14.0	14.9
127.5°	57.1	51.8	45.7	39.5	34.2	29.0	23.7	17.6	13.2	14.9	14.9
130°	65.8	59.7	51.8	43.9	37.8	30.7	24.6	17.6	14.0	14.0	14.0
132.5°	75.5	66.7	56.2	47.4	39.5	31.6	24.6	17.6	14.0	14.0	14.0
135°	82.5	72.0	60.6	50.0	41.3	32.5	25.5	17.6	13.2	13.2	13.2
137.5°	88.7	76.4	64.1	51.8	42.1	32.5	24.6	16.7	13.2	12.3	12.3
140°	92.2	78.1	64.1	51.8	41.3	31.6	22.8	15.8	11.4	11.4	11.4
142.5°	92.2	77.3	63.2	50.0	38.6	29.9	21.9	14.0	10.5	10.5	10.5
145°	88.7	73.8	59.7	47.4	36.0	27.2	19.3	13.2	9.7	9.7	9.7
147.5°	82.5	67.6	54.4	43.0	31.6	23.7	16.7	10.5	7.9	7.9	7.9
150°	73.8	59.7	47.4	36.9	27.2	19.3	14.0	8.8	6.1	6.1	6.1
152.5°	61.5	50.0	38.6	30.7	21.9	15.8	10.5	7.0	5.3	5.3	5.3
155°	48.3	39.5	30.7	23.7	16.7	11.4	7.9	5.3	3.5	3.5	3.5
157.5°	36.9	29.9	22.8	17.6	12.3	8.8	6.1	3.5	2.6	2.6	2.6
160°	25.5	20.2	15.8	12.3	7.9	6.1	4.4	2.6	1.8	1.8	1.8
162.5°	16.7	13.2	9.7	7.0	5.3	3.5	2.6	1.8	0.9	0.9	0.9
165°	7.9	6.1	5.3	3.5	2.6	1.8	0.9	0.9	0.0	0.0	0.0
167.5°	2.6	1.8	1.8	0.9	0.9	0.9	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	0.0	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)