

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: P588464

Luminaire Tested: **ARC-CA6-50-760-U-33-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARC-CA6-50-760-U-33-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7688 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B3 - U4 - G5

Input Watts (W): 54
Input Voltage (V): 120
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: 25 FT



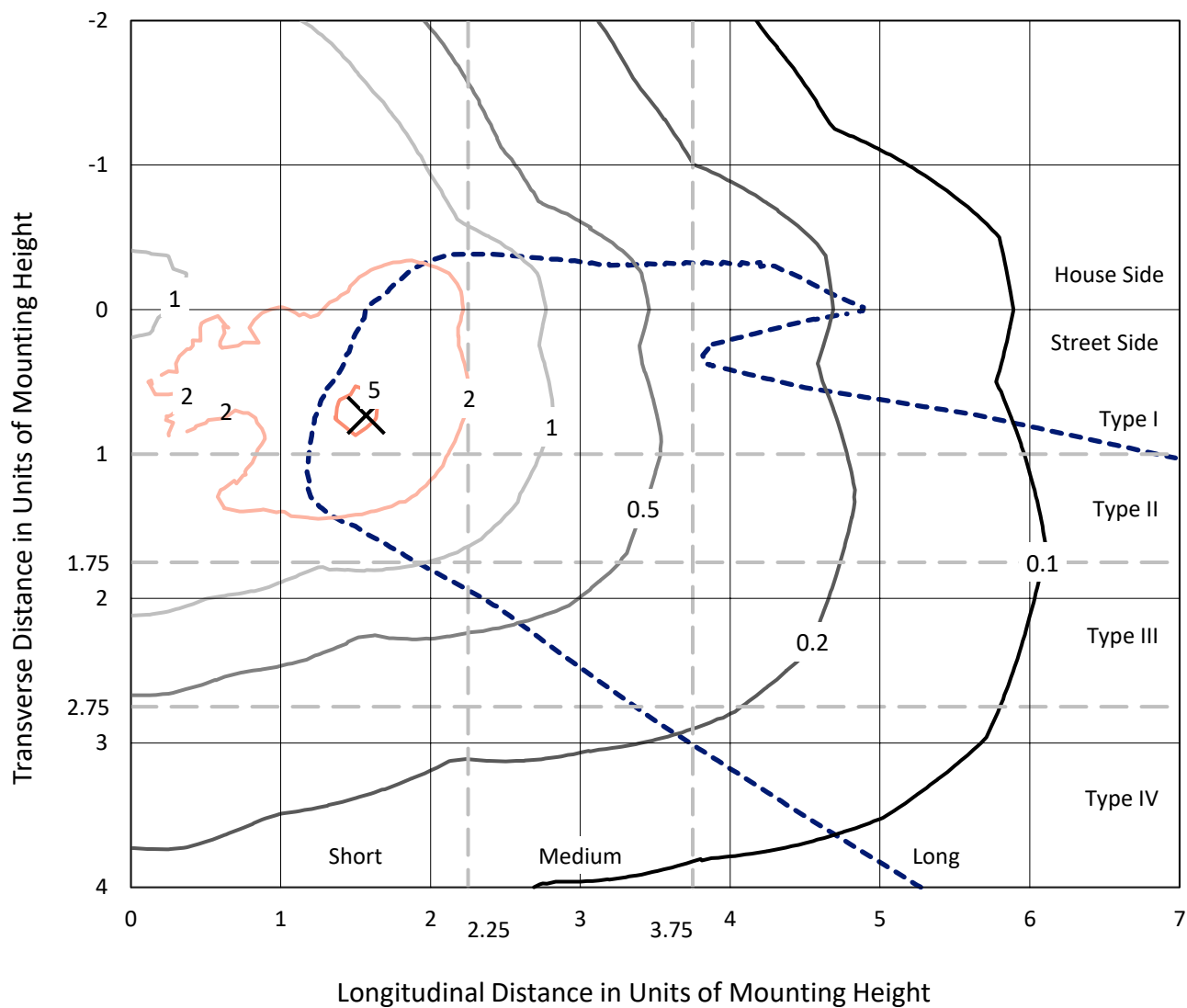
REPORT NUMBER: P588464

CATALOG NUMBER: ARC-CA6-50-760-U-33-X-5-X

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

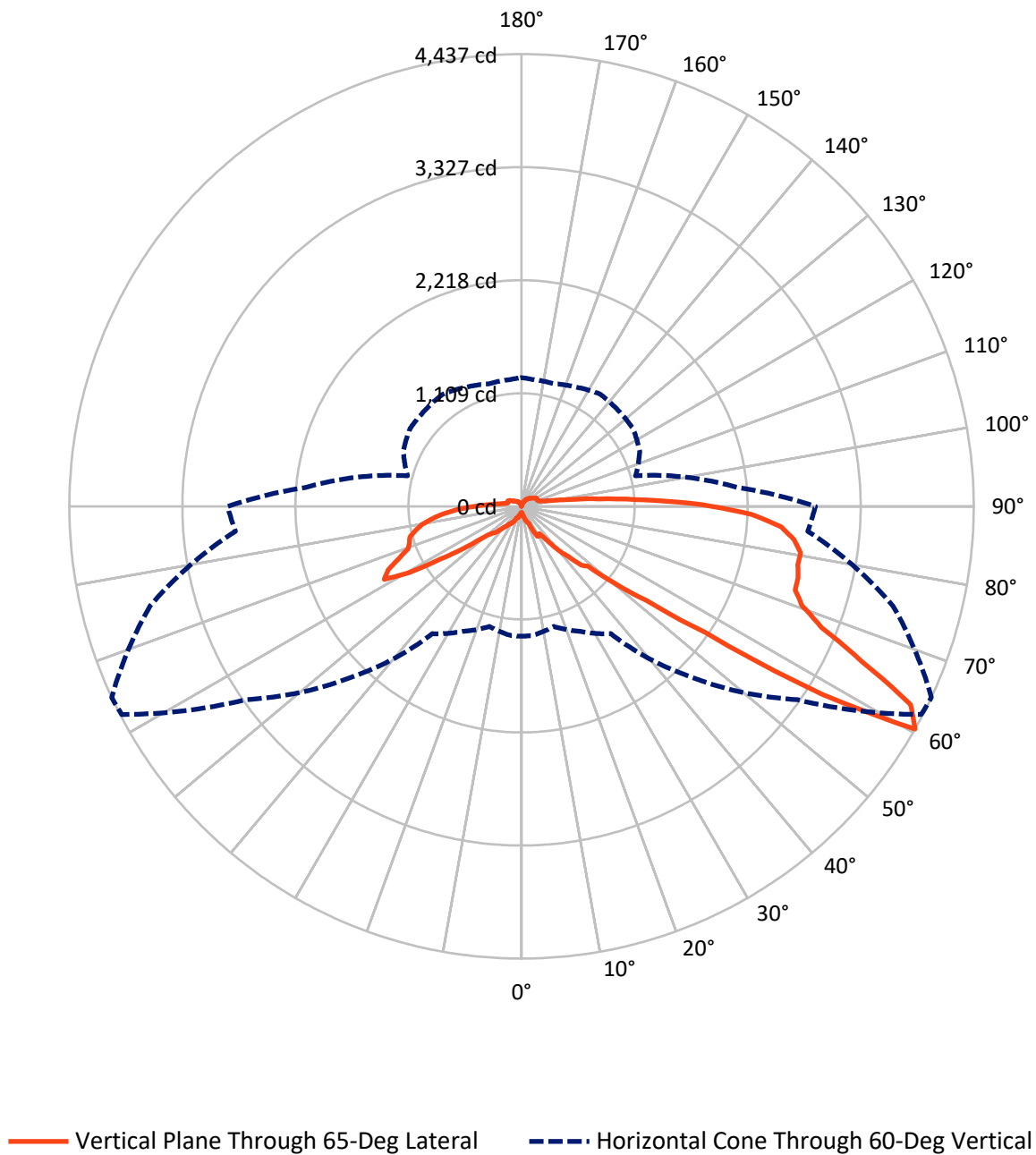


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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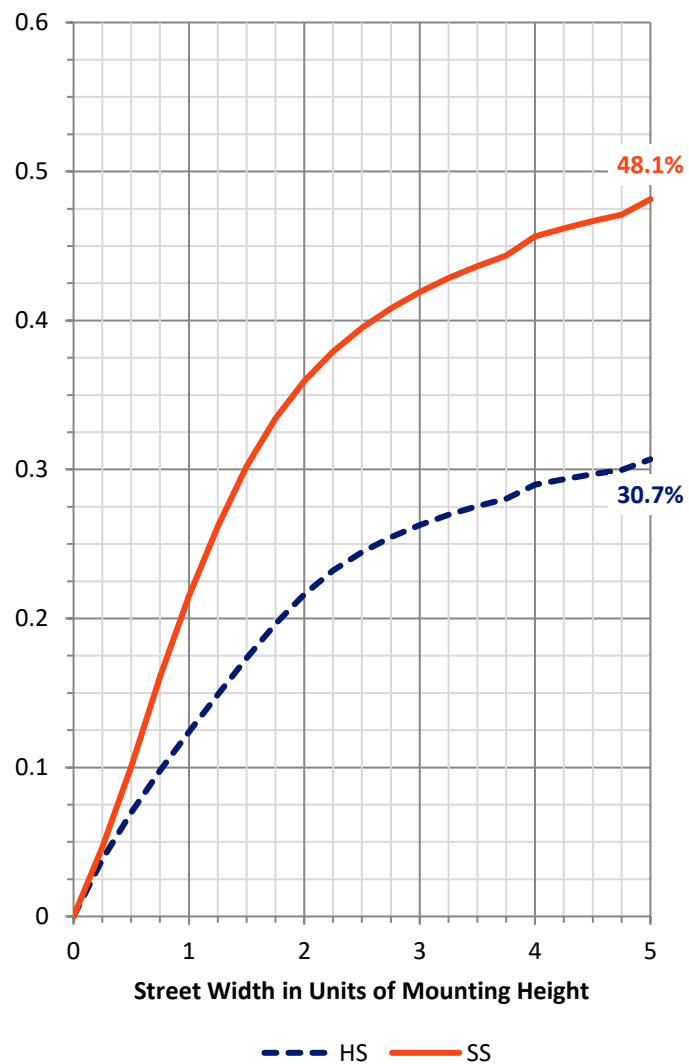
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2563.8	410.6	2974.3
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	4101.7	612.0	4713.7
	% Fixture	53.4	8.0	61.3
Total	Lumens	6665.5	1022.5	7688.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	32.8	0.4
20°-30°	93.9	1.2
30°-40°	202.2	2.6
40°-50°	382.6	5.0
50°-60°	1068.9	13.9
60°-70°	1905.6	24.8
70°-80°	1668.4	21.7
80°-90°	1303.6	17.0
90°-100°	492.8	6.4
100°-110°	169.5	2.2
110°-120°	138.6	1.8
120°-130°	93.1	1.2
130°-140°	63.9	0.8
140°-150°	40.2	0.5
150°-160°	18.6	0.2
160°-170°	5.3	0.1
170°-180°	0.5	0.0
0°-90°	6665.5	86.7
0°-180°	7688.0	100.0

Coefficient of Utilization



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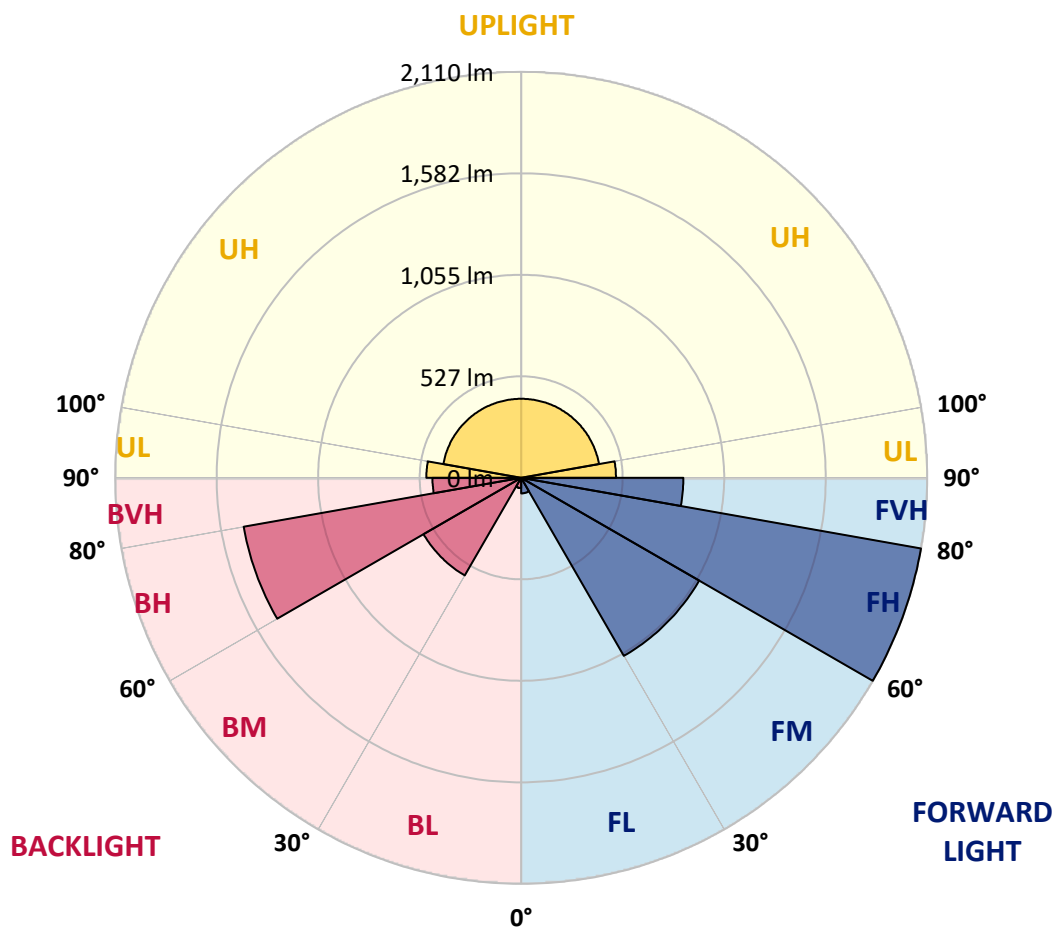
CATALOG NUMBER: ARC-CA6-50-760-U-33-X-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.0	1.1			
FM	(30°-60°)	1068.2	13.9			
FH	(60°-80°)	2109.9	27.4			G2/5000
FVH	(80°-90°)	842.6	11.0			G5
BL	(0°-30°)	53.1	0.7	B0/110		
BM	(30°-60°)	585.6	7.6	B1/1000		
BH	(60°-80°)	1464.1	19.0	B3/2500		G3/2500
BVH	(80°-90°)	461.0	6.0			G3/500
UL	(90°-100°)	492.8	6.4		U3/500	
UH	(100°-180°)	410.6	5.3		U3/500	

BUG Rating: B3-U4-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
0°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
2.5°	67.8	65.8	63.8	63.8	62.8	61.8	61.8	59.8	60.8	59.8	59.8
5°	79.7	78.7	76.7	77.7	75.8	74.8	74.8	73.8	72.8	71.8	68.8
7.5°	92.7	92.7	93.7	94.7	91.7	88.7	87.7	85.7	85.7	84.7	82.7
10°	106.7	105.7	101.7	101.7	99.7	97.7	98.7	97.7	97.7	97.7	93.7
12.5°	110.6	109.6	106.7	106.7	106.7	105.7	109.6	108.6	109.6	108.6	102.7
15°	124.6	123.6	122.6	123.6	127.6	135.6	145.5	141.5	142.5	140.5	118.6
17.5°	130.6	133.6	135.6	136.6	140.5	140.5	142.5	141.5	145.5	148.5	135.6
20°	151.5	149.5	151.5	158.5	168.4	169.4	166.5	166.5	168.4	169.4	144.5
22.5°	160.5	159.5	167.5	161.5	161.5	166.5	184.4	178.4	178.4	176.4	155.5
25°	208.3	212.3	220.3	230.2	254.2	261.1	281.1	259.2	262.1	231.2	197.4
27.5°	250.2	253.2	300.0	341.9	360.8	350.9	367.8	326.9	330.9	334.9	288.1
30°	263.1	269.1	336.9	367.8	392.7	372.8	394.7	340.9	337.9	360.8	341.9
32.5°	253.2	259.2	330.9	343.9	369.8	443.5	415.6	328.9	320.0	330.9	353.8
35°	278.1	282.1	324.9	294.0	318.0	620.0	544.2	383.7	365.8	305.0	338.9
37.5°	333.9	333.9	384.7	406.7	424.6	731.6	714.7	477.4	463.5	356.8	391.7
40°	404.7	402.7	465.5	480.4	488.4	662.8	864.2	609.0	578.1	419.6	510.3
42.5°	447.5	443.5	494.4	510.3	510.3	561.2	977.8	741.6	669.8	489.4	624.0
45°	464.5	468.5	534.3	514.3	529.3	576.1	1099.4	925.0	824.3	574.1	723.6
47.5°	420.6	426.6	521.3	523.3	447.5	460.5	985.8	960.9	878.1	615.0	755.5
50°	516.3	520.3	554.2	531.3	494.4	583.1	1174.2	1235.0	1199.1	761.5	797.4
52.5°	708.7	726.6	758.5	778.5	767.5	979.8	1574.8	1563.9	1534.0	1143.3	1088.4
55°	918.0	932.9	977.8	1098.4	1190.1	1467.2	1958.6	2187.8	2185.8	1856.9	1696.4
57.5°	1108.4	1109.4	1115.3	1263.9	1405.4	1915.7	2565.6	3407.8	3483.6	2966.3	2429.0
60°	1273.8	1270.8	1220.0	1352.6	1525.0	2375.2	3307.2	4421.5	4436.5	3771.7	2817.8
62.5°	1318.7	1309.7	1236.0	1359.5	1507.1	2384.2	3496.6	4300.9	4284.0	3828.5	2868.6
65°	1279.8	1270.8	1177.1	1287.8	1357.6	2166.9	3229.4	3698.9	3671.0	3497.6	2731.1
67.5°	1222.0	1228.0	1135.3	1220.0	1267.9	2032.3	2948.3	3182.6	3174.6	3259.3	2616.4
70°	1138.3	1143.3	1058.5	1163.2	1233.0	1946.6	2679.2	2933.4	2919.4	3044.0	2448.0
72.5°	1141.3	1156.2	1055.5	1134.3	1207.0	1829.0	2557.6	2847.7	2806.8	2825.8	2245.6
75°	1149.2	1169.2	1062.5	1133.3	1201.1	1786.2	2543.7	2854.7	2802.8	2747.0	2168.9
77.5°	1152.2	1181.1	1066.5	1144.3	1203.1	1727.3	2511.8	2819.8	2770.9	2671.3	2078.2
80°	1128.3	1159.2	1049.6	1145.3	1190.1	1610.7	2431.0	2813.8	2776.9	2661.3	2041.3
82.5°	1080.5	1111.4	1016.7	1095.4	1165.2	1492.1	2317.4	2697.2	2695.2	2565.6	1963.6
85°	975.8	1009.7	937.9	1010.7	1096.4	1334.6	2088.2	2498.8	2553.6	2449.0	1858.9
87.5°	875.1	909.0	871.1	912.0	998.7	1160.2	1794.1	2156.9	2259.6	2172.9	1596.8
90°	760.5	795.4	764.5	748.5	818.3	926.0	1434.3	1677.5	1774.2	1721.4	1175.2
92.5°	609.0	638.9	610.0	573.1	615.0	679.8	1065.5	1174.2	1197.1	1146.2	770.5
95°	460.5	482.4	456.5	419.6	424.6	465.5	734.6	769.5	763.5	702.7	489.4
97.5°	320.0	332.9	316.0	290.1	299.0	324.9	486.4	482.4	482.4	429.6	320.0
100°	222.3	227.3	219.3	207.3	214.3	231.2	326.9	325.9	316.0	290.1	233.2
102.5°	176.4	177.4	169.4	161.5	157.5	173.4	236.2	235.2	237.2	225.3	182.4
105°	155.5	154.5	147.5	140.5	132.6	148.5	187.4	195.4	194.4	184.4	156.5
107.5°	142.5	141.5	134.6	128.6	121.6	135.6	162.5	173.4	172.4	171.4	147.5
110°	132.6	131.6	125.6	119.6	113.6	129.6	152.5	169.4	169.4	169.4	149.5

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CATALOG NUMBER: ARC-CA6-50-760-U-33-X-5-X

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	125.6	125.6	120.6	115.6	110.6	128.6	146.5	166.5	166.5	171.4	156.5
115°	121.6	120.6	116.6	113.6	109.6	129.6	144.5	164.5	165.5	172.4	155.5
117.5°	118.6	117.6	114.6	110.6	108.6	127.6	145.5	168.4	167.5	178.4	152.5
120°	113.6	111.6	107.6	103.7	101.7	117.6	141.5	163.5	161.5	166.5	140.5
122.5°	109.6	103.7	96.7	93.7	93.7	106.7	132.6	147.5	145.5	141.5	126.6
125°	100.7	94.7	88.7	87.7	88.7	99.7	126.6	135.6	136.6	133.6	119.6
127.5°	90.7	86.7	83.7	83.7	85.7	97.7	124.6	130.6	130.6	124.6	113.6
130°	85.7	84.7	82.7	82.7	86.7	98.7	121.6	123.6	123.6	115.6	110.6
132.5°	83.7	81.7	79.7	79.7	83.7	95.7	113.6	117.6	116.6	108.6	104.7
135°	79.7	78.7	76.7	76.7	81.7	93.7	106.7	110.6	109.6	99.7	96.7
137.5°	77.7	75.8	75.8	75.8	80.7	92.7	100.7	103.7	102.7	92.7	89.7
140°	74.8	73.8	71.8	71.8	78.7	89.7	94.7	95.7	94.7	86.7	83.7
142.5°	69.8	68.8	67.8	69.8	76.7	84.7	88.7	88.7	87.7	82.7	78.7
145°	66.8	65.8	64.8	69.8	75.8	79.7	83.7	80.7	80.7	77.7	73.8
147.5°	63.8	62.8	62.8	66.8	71.8	71.8	74.8	73.8	74.8	73.8	69.8
150°	57.8	56.8	56.8	59.8	60.8	60.8	63.8	63.8	63.8	63.8	60.8
152.5°	50.8	49.8	50.8	51.8	51.8	51.8	53.8	54.8	54.8	53.8	52.8
155°	43.9	43.9	43.9	44.9	44.9	43.9	46.8	46.8	46.8	46.8	45.8
157.5°	38.9	38.9	38.9	38.9	38.9	37.9	39.9	39.9	40.9	39.9	39.9
160°	33.9	32.9	32.9	32.9	32.9	31.9	32.9	32.9	32.9	33.9	33.9
162.5°	26.9	25.9	25.9	25.9	25.9	23.9	25.9	24.9	25.9	25.9	26.9
165°	21.9	20.9	20.9	20.9	19.9	18.9	19.9	18.9	18.9	18.9	19.9
167.5°	16.9	16.9	15.9	16.9	15.9	14.0	14.0	13.0	13.0	13.0	13.0
170°	13.0	12.0	11.0	12.0	11.0	9.0	9.0	8.0	8.0	7.0	7.0
172.5°	9.0	8.0	7.0	8.0	7.0	5.0	5.0	3.0	3.0	3.0	3.0
175°	8.0	7.0	6.0	7.0	6.0	4.0	3.0	2.0	2.0	2.0	2.0
177.5°	8.0	7.0	6.0	7.0	6.0	4.0	3.0	2.0	2.0	2.0	2.0
180°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
2.5°	59.8	58.8	57.8	59.8	58.8	59.8	60.8	61.8	61.8	60.8	60.8
5°	68.8	67.8	65.8	64.8	62.8	62.8	62.8	64.8	64.8	63.8	64.8
7.5°	81.7	79.7	76.7	74.8	71.8	71.8	70.8	72.8	73.8	71.8	72.8
10°	91.7	90.7	86.7	83.7	80.7	79.7	79.7	80.7	80.7	79.7	79.7
12.5°	100.7	98.7	94.7	91.7	87.7	86.7	86.7	87.7	87.7	86.7	86.7
15°	113.6	107.6	103.7	100.7	96.7	95.7	94.7	95.7	96.7	94.7	94.7
17.5°	131.6	124.6	115.6	107.6	103.7	105.7	106.7	107.6	106.7	103.7	103.7
20°	141.5	137.5	125.6	119.6	114.6	114.6	114.6	114.6	114.6	113.6	114.6
22.5°	148.5	142.5	127.6	123.6	120.6	122.6	124.6	125.6	125.6	124.6	124.6
25°	180.4	158.5	143.5	140.5	136.6	137.5	135.6	135.6	136.6	135.6	137.5
27.5°	248.2	212.3	178.4	166.5	163.5	163.5	165.5	165.5	165.5	165.5	164.5
30°	298.0	256.2	200.3	184.4	182.4	191.4	196.4	200.3	198.4	195.4	195.4
32.5°	306.0	260.1	204.3	198.4	203.3	210.3	215.3	218.3	221.3	220.3	219.3
35°	289.1	240.2	201.3	209.3	213.3	217.3	218.3	216.3	225.3	229.2	230.2
37.5°	322.9	269.1	234.2	240.2	235.2	231.2	233.2	234.2	246.2	252.2	258.2
40°	412.6	324.9	266.1	263.1	260.1	269.1	281.1	287.1	286.1	282.1	283.1
42.5°	499.4	379.8	300.0	299.0	298.0	314.0	332.9	331.9	322.9	316.0	316.0
45°	588.1	432.6	353.8	354.8	352.8	358.8	363.8	359.8	360.8	362.8	364.8
47.5°	642.9	480.4	387.7	384.7	371.8	383.7	397.7	388.7	385.7	380.8	382.7
50°	655.9	492.4	407.7	429.6	417.6	408.7	393.7	387.7	398.7	406.7	412.6
52.5°	852.2	608.0	509.3	544.2	528.3	496.4	493.4	483.4	495.4	496.4	503.4
55°	1428.3	974.8	701.7	735.6	736.6	725.6	775.5	747.6	722.6	711.7	707.7
57.5°	2251.6	1507.1	908.0	950.9	991.8	1030.6	1098.4	1041.6	969.8	960.9	970.8
60°	2883.6	2128.0	1158.2	1278.8	1333.6	1335.6	1344.6	1288.8	1244.9	1248.9	1262.9
62.5°	3019.1	2646.3	1475.2	1525.0	1530.0	1493.1	1509.1	1544.9	1483.1	1434.3	1447.3
65°	2928.4	2851.7	1578.8	1449.3	1441.3	1447.3	1555.9	1655.6	1531.0	1407.4	1407.4
67.5°	2753.0	2695.2	1473.2	1303.7	1325.7	1393.4	1531.0	1580.8	1448.3	1316.7	1316.7
70°	2565.6	2450.0	1354.6	1188.1	1241.9	1320.7	1410.4	1414.4	1336.6	1242.9	1237.0
72.5°	2363.3	2258.6	1303.7	1154.2	1179.1	1193.1	1241.9	1272.8	1263.9	1203.1	1202.1
75°	2303.5	2218.7	1302.7	1138.3	1123.3	1118.3	1152.2	1219.0	1249.9	1214.0	1216.0
77.5°	2212.8	2161.9	1241.9	1071.5	1055.5	1055.5	1073.5	1127.3	1174.2	1159.2	1164.2
80°	2150.0	2073.2	1149.2	998.7	976.8	979.8	981.8	1018.7	1062.5	1064.5	1064.5
82.5°	2029.4	1884.8	1008.7	890.1	875.1	879.1	872.1	893.1	905.0	920.0	917.0
85°	1831.0	1626.7	852.2	771.5	747.6	739.6	733.6	734.6	741.6	738.6	726.6
87.5°	1534.0	1289.8	679.8	632.9	605.0	585.1	577.1	567.1	566.1	555.2	559.2
90°	1132.3	885.1	504.3	487.4	467.5	446.5	435.6	425.6	417.6	406.7	402.7
92.5°	738.6	570.1	368.8	359.8	346.9	334.9	329.9	324.9	322.9	314.0	317.0
95°	461.5	385.7	277.1	267.1	260.1	257.2	258.2	259.2	257.2	247.2	250.2
97.5°	308.0	279.1	216.3	209.3	202.3	201.3	202.3	204.3	205.3	198.4	200.3
100°	227.3	214.3	177.4	172.4	166.5	164.5	165.5	167.5	168.4	162.5	163.5
102.5°	180.4	174.4	153.5	151.5	144.5	142.5	144.5	145.5	146.5	142.5	142.5
105°	158.5	158.5	141.5	140.5	135.6	133.6	134.6	135.6	136.6	132.6	132.6
107.5°	152.5	153.5	136.6	137.5	134.6	133.6	135.6	137.5	136.6	133.6	132.6
110°	157.5	159.5	136.6	139.5	140.5	142.5	146.5	147.5	147.5	145.5	146.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	162.5	165.5	134.6	141.5	148.5	153.5	160.5	164.5	162.5	161.5	162.5
115°	158.5	160.5	125.6	136.6	149.5	156.5	158.5	158.5	153.5	153.5	154.5
117.5°	153.5	157.5	116.6	125.6	134.6	140.5	139.5	136.6	130.6	128.6	134.6
120°	142.5	154.5	111.6	113.6	114.6	116.6	113.6	110.6	105.7	104.7	108.6
122.5°	131.6	142.5	102.7	100.7	99.7	99.7	98.7	97.7	94.7	95.7	99.7
125°	122.6	128.6	93.7	90.7	89.7	90.7	90.7	90.7	88.7	86.7	86.7
127.5°	115.6	117.6	88.7	84.7	83.7	83.7	83.7	84.7	83.7	80.7	80.7
130°	111.6	110.6	85.7	78.7	77.7	78.7	78.7	79.7	77.7	75.8	75.8
132.5°	103.7	101.7	81.7	74.8	73.8	74.8	74.8	74.8	72.8	70.8	70.8
135°	94.7	92.7	76.7	69.8	68.8	69.8	69.8	70.8	68.8	66.8	66.8
137.5°	87.7	85.7	71.8	65.8	64.8	64.8	65.8	65.8	64.8	62.8	62.8
140°	81.7	79.7	66.8	61.8	59.8	60.8	60.8	60.8	59.8	57.8	57.8
142.5°	76.7	75.8	61.8	56.8	54.8	55.8	55.8	56.8	54.8	52.8	52.8
145°	72.8	70.8	57.8	51.8	50.8	50.8	50.8	51.8	49.8	47.8	47.8
147.5°	68.8	66.8	52.8	46.8	45.8	45.8	45.8	45.8	44.9	42.9	41.9
150°	60.8	59.8	48.8	42.9	40.9	40.9	40.9	39.9	37.9	35.9	35.9
152.5°	51.8	50.8	42.9	37.9	35.9	35.9	34.9	34.9	32.9	31.9	30.9
155°	44.9	44.9	38.9	33.9	31.9	30.9	29.9	29.9	28.9	27.9	26.9
157.5°	39.9	38.9	34.9	30.9	26.9	26.9	25.9	25.9	24.9	23.9	22.9
160°	33.9	33.9	29.9	25.9	22.9	21.9	21.9	20.9	19.9	18.9	18.9
162.5°	26.9	26.9	23.9	20.9	17.9	17.9	16.9	16.9	15.9	15.0	14.0
165°	18.9	18.9	17.9	15.9	14.0	13.0	13.0	13.0	12.0	11.0	11.0
167.5°	13.0	13.0	12.0	11.0	10.0	9.0	10.0	10.0	9.0	8.0	8.0
170°	7.0	7.0	6.0	6.0	5.0	5.0	6.0	7.0	6.0	5.0	4.0
172.5°	3.0	3.0	3.0	3.0	2.0	3.0	4.0	5.0	4.0	3.0	3.0
175°	2.0	2.0	3.0	3.0	2.0	3.0	4.0	5.0	4.0	3.0	3.0
177.5°	2.0	2.0	3.0	3.0	2.0	3.0	4.0	5.0	4.0	3.0	3.0
180°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

(END OF REPORT)