

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: P588480

Luminaire Tested: **ARC-CA6-60-740-U-33-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588480
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-CA6-60-740-U-33-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9049 lumens
Efficiency: N/A
Efficacy: 140.7 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): 64.3
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



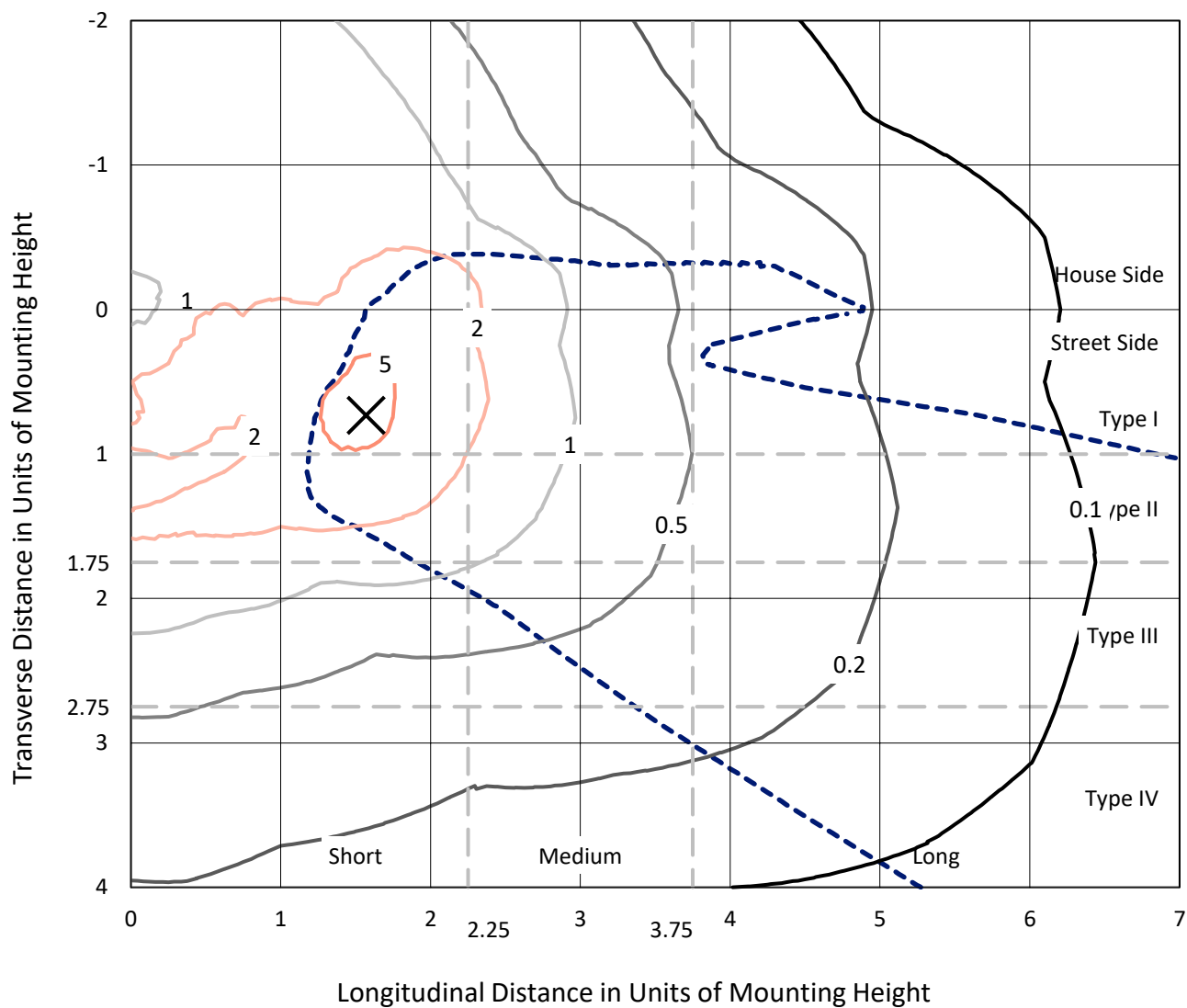
REPORT NUMBER: P588480

CATALOG NUMBER: ARC-CA6-60-740-U-33-X-5-X

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

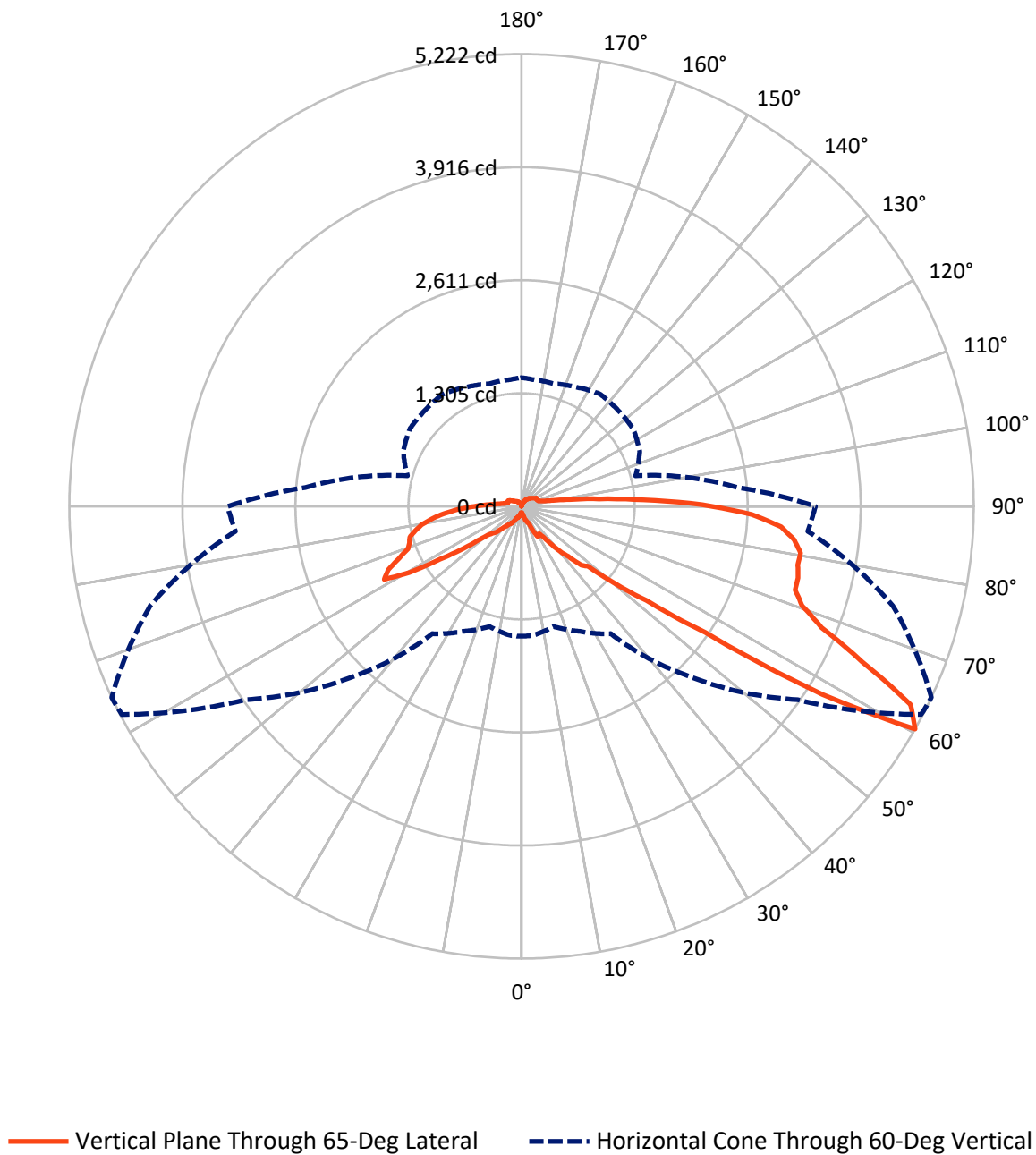


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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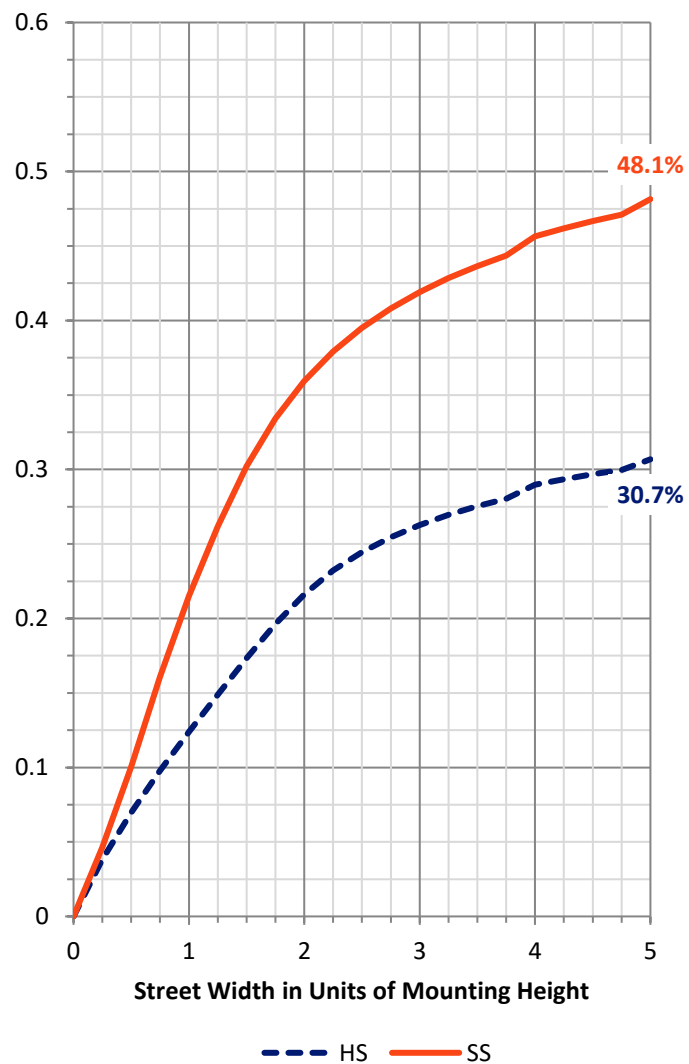
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3017.6	483.3	3500.9
	% Fixture	33.3	5.3	38.7
Street Side	Lumens	4827.8	720.3	5548.1
	% Fixture	53.4	8.0	61.3
Total	Lumens	7845.4	1203.6	9049.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.1
10°-20°	38.6	0.4
20°-30°	110.5	1.2
30°-40°	238.0	2.6
40°-50°	450.4	5.0
50°-60°	1258.1	13.9
60°-70°	2243.0	24.8
70°-80°	1963.8	21.7
80°-90°	1534.4	17.0
90°-100°	580.1	6.4
100°-110°	199.5	2.2
110°-120°	163.1	1.8
120°-130°	109.6	1.2
130°-140°	75.2	0.8
140°-150°	47.3	0.5
150°-160°	21.9	0.2
160°-170°	6.2	0.1
170°-180°	0.5	0.0
0°-90°	7845.4	86.7
0°-180°	9049.0	100.0

Coefficient of Utilization



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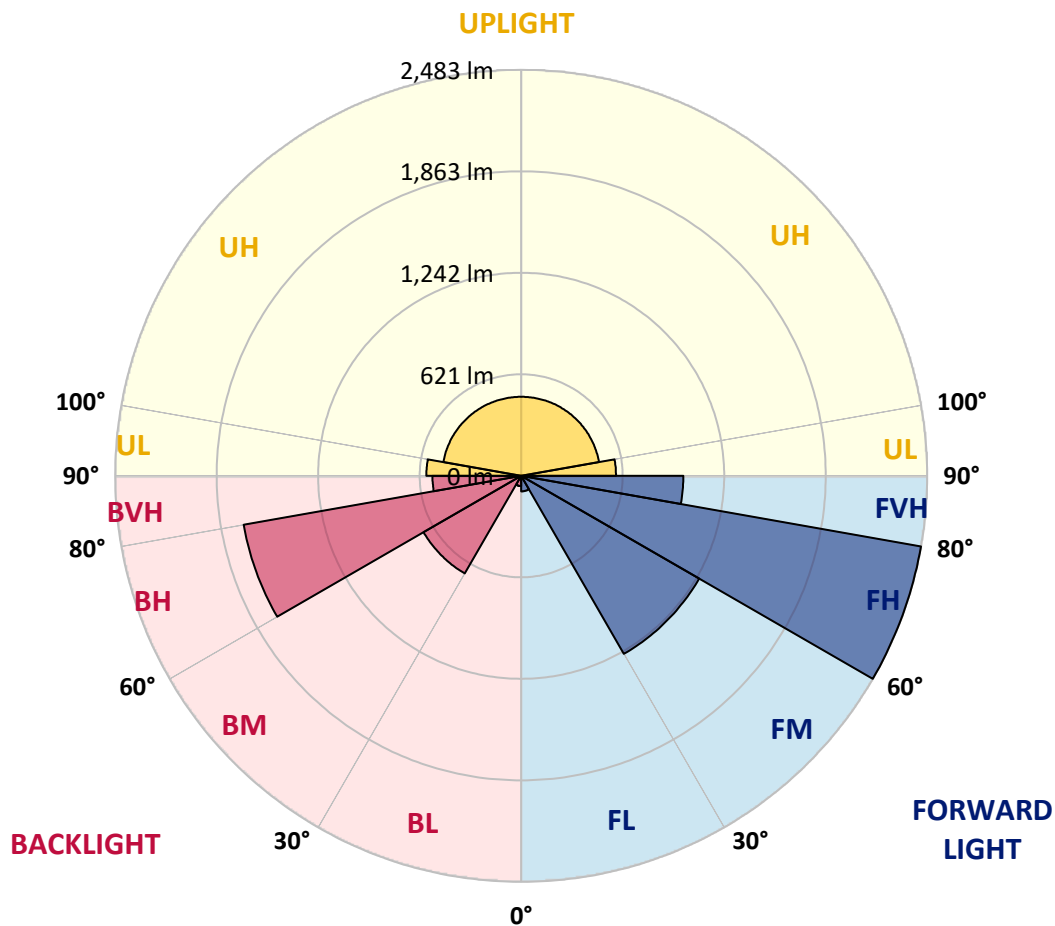
CATALOG NUMBER: ARC-CA6-60-740-U-33-X-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.3	1.1			
FM	(30°-60°)	1257.3	13.9			
FH	(60°-80°)	2483.4	27.4			G2/5000
FVH	(80°-90°)	991.8	11.0			G5
BL	(0°-30°)	62.5	0.7	B0/110		
BM	(30°-60°)	689.2	7.6	B1/1000		
BH	(60°-80°)	1723.3	19.0	B3/2500		G3/2500
BVH	(80°-90°)	542.6	6.0			G4/750
UL	(90°-100°)	580.1	6.4		U4/1000	
UH	(100°-180°)	483.3	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°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2.5°	79.8	77.4	75.1	75.1	73.9	72.7	72.7	70.4	71.6	70.4	70.4
5°	93.9	92.7	90.3	91.5	89.2	88.0	88.0	86.8	85.6	84.5	81.0
7.5°	109.1	109.1	110.3	111.5	107.9	104.4	103.2	100.9	100.9	99.7	97.4
10°	125.5	124.4	119.7	119.7	117.3	115.0	116.1	115.0	115.0	115.0	110.3
12.5°	130.2	129.1	125.5	125.5	125.5	124.4	129.1	127.9	129.1	127.9	120.8
15°	146.6	145.5	144.3	145.5	150.2	159.6	171.3	166.6	167.8	165.4	139.6
17.5°	153.7	157.2	159.6	160.7	165.4	165.4	167.8	166.6	171.3	174.8	159.6
20°	178.3	176.0	178.3	186.5	198.3	199.4	195.9	195.9	198.3	199.4	170.1
22.5°	188.9	187.7	197.1	190.1	190.1	195.9	217.0	210.0	210.0	207.7	183.0
25°	245.2	249.9	259.3	271.0	299.2	307.4	330.8	305.0	308.5	272.2	232.3
27.5°	294.5	298.0	353.1	402.4	424.7	413.0	432.9	384.8	389.5	394.2	339.1
30°	309.7	316.8	396.5	432.9	462.2	438.8	464.6	401.2	397.7	424.7	402.4
32.5°	298.0	305.0	389.5	404.8	435.3	522.1	489.2	387.2	376.6	389.5	416.5
35°	327.3	332.0	382.5	346.1	374.2	729.7	640.6	451.7	430.6	359.0	398.9
37.5°	393.0	393.0	452.9	478.7	499.8	861.1	841.2	562.0	545.5	420.0	461.1
40°	476.3	474.0	547.9	565.5	574.9	780.2	1017.2	716.8	680.4	493.9	600.7
42.5°	526.8	522.1	581.9	600.7	600.7	660.5	1150.9	872.9	788.4	576.0	734.4
45°	546.7	551.4	628.8	605.4	623.0	678.1	1294.0	1088.7	970.2	675.8	851.7
47.5°	495.1	502.1	613.6	615.9	526.8	542.0	1160.3	1131.0	1033.6	723.9	889.3
50°	607.7	612.4	652.3	625.3	581.9	686.3	1382.0	1453.6	1411.3	896.3	938.6
52.5°	834.1	855.3	892.8	916.3	903.4	1153.2	1853.6	1840.7	1805.5	1345.6	1281.1
55°	1080.5	1098.1	1150.9	1292.9	1400.8	1726.9	2305.3	2575.2	2572.8	2185.7	1996.8
57.5°	1304.6	1305.8	1312.8	1487.6	1654.2	2254.9	3019.8	4011.1	4100.3	3491.4	2859.1
60°	1499.3	1495.8	1436.0	1592.0	1795.0	2795.7	3892.6	5204.3	5221.9	4439.3	3316.6
62.5°	1552.1	1541.6	1454.8	1600.2	1773.9	2806.3	4115.5	5062.3	5042.4	4506.2	3376.4
65°	1506.4	1495.8	1385.5	1515.8	1597.9	2550.5	3801.1	4353.7	4320.9	4116.7	3214.5
67.5°	1438.3	1445.4	1336.3	1436.0	1492.3	2392.1	3470.3	3746.0	3736.6	3836.3	3079.6
70°	1339.8	1345.6	1245.9	1369.1	1451.2	2291.2	3153.5	3452.7	3436.3	3582.9	2881.4
72.5°	1343.3	1360.9	1242.4	1335.1	1420.7	2152.8	3010.4	3351.8	3303.7	3326.0	2643.2
75°	1352.7	1376.2	1250.6	1333.9	1413.7	2102.4	2994.0	3360.0	3299.0	3233.3	2552.9
77.5°	1356.2	1390.2	1255.3	1346.8	1416.0	2033.1	2956.4	3319.0	3261.5	3144.1	2446.1
80°	1328.1	1364.4	1235.4	1348.0	1400.8	1895.9	2861.4	3311.9	3268.5	3132.4	2402.7
82.5°	1271.7	1308.1	1196.7	1289.3	1371.5	1756.3	2727.7	3174.6	3172.3	3019.8	2311.2
85°	1148.6	1188.4	1104.0	1189.6	1290.5	1570.9	2457.8	2941.2	3005.7	2882.5	2188.0
87.5°	1030.1	1069.9	1025.4	1073.5	1175.5	1365.6	2111.7	2538.8	2659.6	2557.6	1879.4
90°	895.1	936.2	899.8	881.1	963.2	1089.9	1688.2	1974.5	2088.3	2026.1	1383.2
92.5°	716.8	752.0	718.0	674.6	723.9	800.1	1254.1	1382.0	1409.0	1349.2	906.9
95°	542.0	567.8	537.3	493.9	499.8	547.9	864.6	905.7	898.7	827.1	576.0
97.5°	376.6	391.8	371.9	341.4	352.0	382.5	572.5	567.8	567.8	505.6	376.6
100°	261.6	267.5	258.1	244.0	252.2	272.2	384.8	383.6	371.9	341.4	274.5
102.5°	207.7	208.8	199.4	190.1	185.4	204.1	278.0	276.9	279.2	265.1	214.7
105°	183.0	181.8	173.6	165.4	156.0	174.8	220.6	229.9	228.8	217.0	184.2
107.5°	167.8	166.6	158.4	151.3	143.1	159.6	191.2	204.1	203.0	201.8	173.6
110°	156.0	154.9	147.8	140.8	133.7	152.5	179.5	199.4	199.4	199.4	176.0

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CATALOG NUMBER: ARC-CA6-60-740-U-33-X-5-X

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	62.5°	65°	75°	85°
112.5°	147.8	147.8	142.0	136.1	130.2	151.3	172.5	195.9	195.9	201.8	184.2
115°	143.1	142.0	137.3	133.7	129.1	152.5	170.1	193.6	194.7	203.0	183.0
117.5°	139.6	138.4	134.9	130.2	127.9	150.2	171.3	198.3	197.1	210.0	179.5
120°	133.7	131.4	126.7	122.0	119.7	138.4	166.6	192.4	190.1	195.9	165.4
122.5°	129.1	122.0	113.8	110.3	110.3	125.5	156.0	173.6	171.3	166.6	149.0
125°	118.5	111.5	104.4	103.2	104.4	117.3	149.0	159.6	160.7	157.2	140.8
127.5°	106.8	102.1	98.5	98.5	100.9	115.0	146.6	153.7	153.7	146.6	133.7
130°	100.9	99.7	97.4	97.4	102.1	116.1	143.1	145.5	145.5	136.1	130.2
132.5°	98.5	96.2	93.9	93.9	98.5	112.6	133.7	138.4	137.3	127.9	123.2
135°	93.9	92.7	90.3	90.3	96.2	110.3	125.5	130.2	129.1	117.3	113.8
137.5°	91.5	89.2	89.2	89.2	95.0	109.1	118.5	122.0	120.8	109.1	105.6
140°	88.0	86.8	84.5	84.5	92.7	105.6	111.5	112.6	111.5	102.1	98.5
142.5°	82.1	81.0	79.8	82.1	90.3	99.7	104.4	104.4	103.2	97.4	92.7
145°	78.6	77.4	76.3	82.1	89.2	93.9	98.5	95.0	95.0	91.5	86.8
147.5°	75.1	73.9	73.9	78.6	84.5	84.5	88.0	86.8	88.0	86.8	82.1
150°	68.0	66.9	66.9	70.4	71.6	71.6	75.1	75.1	75.1	75.1	71.6
152.5°	59.8	58.7	59.8	61.0	61.0	61.0	63.4	64.5	64.5	63.4	62.2
155°	51.6	51.6	51.6	52.8	52.8	51.6	55.1	55.1	55.1	55.1	54.0
157.5°	45.8	45.8	45.8	45.8	45.8	44.6	46.9	46.9	48.1	46.9	46.9
160°	39.9	38.7	38.7	38.7	38.7	37.5	38.7	38.7	38.7	39.9	39.9
162.5°	31.7	30.5	30.5	30.5	30.5	28.2	30.5	29.3	30.5	30.5	31.7
165°	25.8	24.6	24.6	24.6	23.5	22.3	23.5	22.3	22.3	22.3	23.5
167.5°	19.9	19.9	18.8	19.9	18.8	16.4	16.4	15.3	15.3	15.3	15.3
170°	15.3	14.1	12.9	14.1	12.9	10.6	10.6	9.4	9.4	8.2	8.2
172.5°	10.6	9.4	8.2	9.4	8.2	5.9	5.9	3.5	3.5	3.5	3.5
175°	9.4	8.2	7.0	8.2	7.0	4.7	3.5	2.3	2.3	2.3	2.3
177.5°	9.4	8.2	7.0	8.2	7.0	4.7	3.5	2.3	2.3	2.3	2.3
180°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
2.5°	70.4	69.2	68.0	70.4	69.2	70.4	71.6	72.7	72.7	71.6	71.6
5°	81.0	79.8	77.4	76.3	73.9	73.9	73.9	76.3	76.3	75.1	76.3
7.5°	96.2	93.9	90.3	88.0	84.5	84.5	83.3	85.6	86.8	84.5	85.6
10°	107.9	106.8	102.1	98.5	95.0	93.9	93.9	95.0	95.0	93.9	93.9
12.5°	118.5	116.1	111.5	107.9	103.2	102.1	102.1	103.2	103.2	102.1	102.1
15°	133.7	126.7	122.0	118.5	113.8	112.6	111.5	112.6	113.8	111.5	111.5
17.5°	154.9	146.6	136.1	126.7	122.0	124.4	125.5	126.7	125.5	122.0	122.0
20°	166.6	161.9	147.8	140.8	134.9	134.9	134.9	134.9	134.9	133.7	134.9
22.5°	174.8	167.8	150.2	145.5	142.0	144.3	146.6	147.8	147.8	146.6	146.6
25°	212.3	186.5	168.9	165.4	160.7	161.9	159.6	159.6	160.7	159.6	161.9
27.5°	292.1	249.9	210.0	195.9	192.4	192.4	194.7	194.7	194.7	194.7	193.6
30°	350.8	301.5	235.8	217.0	214.7	225.3	231.1	235.8	233.5	229.9	229.9
32.5°	360.2	306.2	240.5	233.5	239.3	247.5	253.4	256.9	260.4	259.3	258.1
35°	340.2	282.7	237.0	246.4	251.1	255.8	256.9	254.6	265.1	269.8	271.0
37.5°	380.1	316.8	275.7	282.7	276.9	272.2	274.5	275.7	289.8	296.8	303.9
40°	485.7	382.5	313.2	309.7	306.2	316.8	330.8	337.9	336.7	332.0	333.2
42.5°	587.8	447.0	353.1	352.0	350.8	369.6	391.8	390.7	380.1	371.9	371.9
45°	692.2	509.2	416.5	417.7	415.3	422.3	428.2	423.5	424.7	427.0	429.4
47.5°	756.7	565.5	456.4	452.9	437.6	451.7	468.1	457.5	454.0	448.2	450.5
50°	772.0	579.6	479.8	505.6	491.6	481.0	463.4	456.4	469.3	478.7	485.7
52.5°	1003.1	715.6	599.5	640.6	621.8	584.2	580.7	569.0	583.1	584.2	592.5
55°	1681.2	1147.4	825.9	865.8	867.0	854.1	912.7	879.9	850.6	837.7	833.0
57.5°	2650.2	1773.9	1068.8	1119.2	1167.3	1213.1	1292.9	1226.0	1141.5	1131.0	1142.7
60°	3394.0	2504.8	1363.2	1505.2	1569.7	1572.1	1582.6	1516.9	1465.3	1470.0	1486.4
62.5°	3553.6	3114.8	1736.3	1795.0	1800.8	1757.4	1776.2	1818.4	1745.7	1688.2	1703.5
65°	3446.8	3356.5	1858.3	1705.8	1696.4	1703.5	1831.3	1948.7	1802.0	1656.5	1656.5
67.5°	3240.3	3172.3	1734.0	1534.5	1560.3	1640.1	1802.0	1860.7	1704.6	1549.8	1549.8
70°	3019.8	2883.7	1594.4	1398.4	1461.8	1554.5	1660.1	1664.8	1573.2	1463.0	1455.9
72.5°	2781.6	2658.4	1534.5	1358.6	1387.9	1404.3	1461.8	1498.2	1487.6	1416.0	1414.9
75°	2711.2	2611.5	1533.4	1339.8	1322.2	1316.3	1356.2	1434.8	1471.2	1428.9	1431.3
77.5°	2604.5	2544.6	1461.8	1261.2	1242.4	1242.4	1263.5	1326.9	1382.0	1364.4	1370.3
80°	2530.6	2440.2	1352.7	1175.5	1149.7	1153.2	1155.6	1199.0	1250.6	1253.0	1253.0
82.5°	2388.6	2218.5	1187.3	1047.7	1030.1	1034.8	1026.5	1051.2	1065.3	1082.9	1079.3
85°	2155.1	1914.6	1003.1	908.0	879.9	870.5	863.5	864.6	872.9	869.3	855.3
87.5°	1805.5	1518.1	800.1	745.0	712.1	688.7	679.3	667.5	666.4	653.5	658.2
90°	1332.7	1041.8	593.6	573.7	550.2	525.6	512.7	501.0	491.6	478.7	474.0
92.5°	869.3	671.1	434.1	423.5	408.3	394.2	388.3	382.5	380.1	369.6	373.1
95°	543.2	454.0	326.1	314.4	306.2	302.7	303.9	305.0	302.7	291.0	294.5
97.5°	362.5	328.5	254.6	246.4	238.2	237.0	238.2	240.5	241.7	233.5	235.8
100°	267.5	252.2	208.8	203.0	195.9	193.6	194.7	197.1	198.3	191.2	192.4
102.5°	212.3	205.3	180.7	178.3	170.1	167.8	170.1	171.3	172.5	167.8	167.8
105°	186.5	186.5	166.6	165.4	159.6	157.2	158.4	159.6	160.7	156.0	156.0
107.5°	179.5	180.7	160.7	161.9	158.4	157.2	159.6	161.9	160.7	157.2	156.0
110°	185.4	187.7	160.7	164.2	165.4	167.8	172.5	173.6	173.6	171.3	172.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	191.2	194.7	158.4	166.6	174.8	180.7	188.9	193.6	191.2	190.1	191.2
115°	186.5	188.9	147.8	160.7	176.0	184.2	186.5	186.5	180.7	180.7	181.8
117.5°	180.7	185.4	137.3	147.8	158.4	165.4	164.2	160.7	153.7	151.3	158.4
120°	167.8	181.8	131.4	133.7	134.9	137.3	133.7	130.2	124.4	123.2	127.9
122.5°	154.9	167.8	120.8	118.5	117.3	117.3	116.1	115.0	111.5	112.6	117.3
125°	144.3	151.3	110.3	106.8	105.6	106.8	106.8	106.8	104.4	102.1	102.1
127.5°	136.1	138.4	104.4	99.7	98.5	98.5	98.5	99.7	98.5	95.0	95.0
130°	131.4	130.2	100.9	92.7	91.5	92.7	92.7	93.9	91.5	89.2	89.2
132.5°	122.0	119.7	96.2	88.0	86.8	88.0	88.0	88.0	85.6	83.3	83.3
135°	111.5	109.1	90.3	82.1	81.0	82.1	82.1	83.3	81.0	78.6	78.6
137.5°	103.2	100.9	84.5	77.4	76.3	76.3	77.4	77.4	76.3	73.9	73.9
140°	96.2	93.9	78.6	72.7	70.4	71.6	71.6	71.6	70.4	68.0	68.0
142.5°	90.3	89.2	72.7	66.9	64.5	65.7	65.7	66.9	64.5	62.2	62.2
145°	85.6	83.3	68.0	61.0	59.8	59.8	59.8	61.0	58.7	56.3	56.3
147.5°	81.0	78.6	62.2	55.1	54.0	54.0	54.0	54.0	52.8	50.4	49.3
150°	71.6	70.4	57.5	50.4	48.1	48.1	48.1	46.9	44.6	42.2	42.2
152.5°	61.0	59.8	50.4	44.6	42.2	42.2	41.1	41.1	38.7	37.5	36.4
155°	52.8	52.8	45.8	39.9	37.5	36.4	35.2	35.2	34.0	32.8	31.7
157.5°	46.9	45.8	41.1	36.4	31.7	31.7	30.5	30.5	29.3	28.2	27.0
160°	39.9	39.9	35.2	30.5	27.0	25.8	25.8	24.6	23.5	22.3	22.3
162.5°	31.7	31.7	28.2	24.6	21.1	21.1	19.9	19.9	18.8	17.6	16.4
165°	22.3	22.3	21.1	18.8	16.4	15.3	15.3	15.3	14.1	12.9	12.9
167.5°	15.3	15.3	14.1	12.9	11.7	10.6	11.7	11.7	10.6	9.4	9.4
170°	8.2	8.2	7.0	7.0	5.9	5.9	7.0	8.2	7.0	5.9	4.7
172.5°	3.5	3.5	3.5	3.5	2.3	3.5	4.7	5.9	4.7	3.5	3.5
175°	2.3	2.3	3.5	3.5	2.3	3.5	4.7	5.9	4.7	3.5	3.5
177.5°	2.3	2.3	3.5	3.5	2.3	3.5	4.7	5.9	4.7	3.5	3.5
180°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)