

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: P588479

Luminaire Tested: **ARC-CA6-60-740-U-33-6-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-14)
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-33-6-5-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6137 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

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



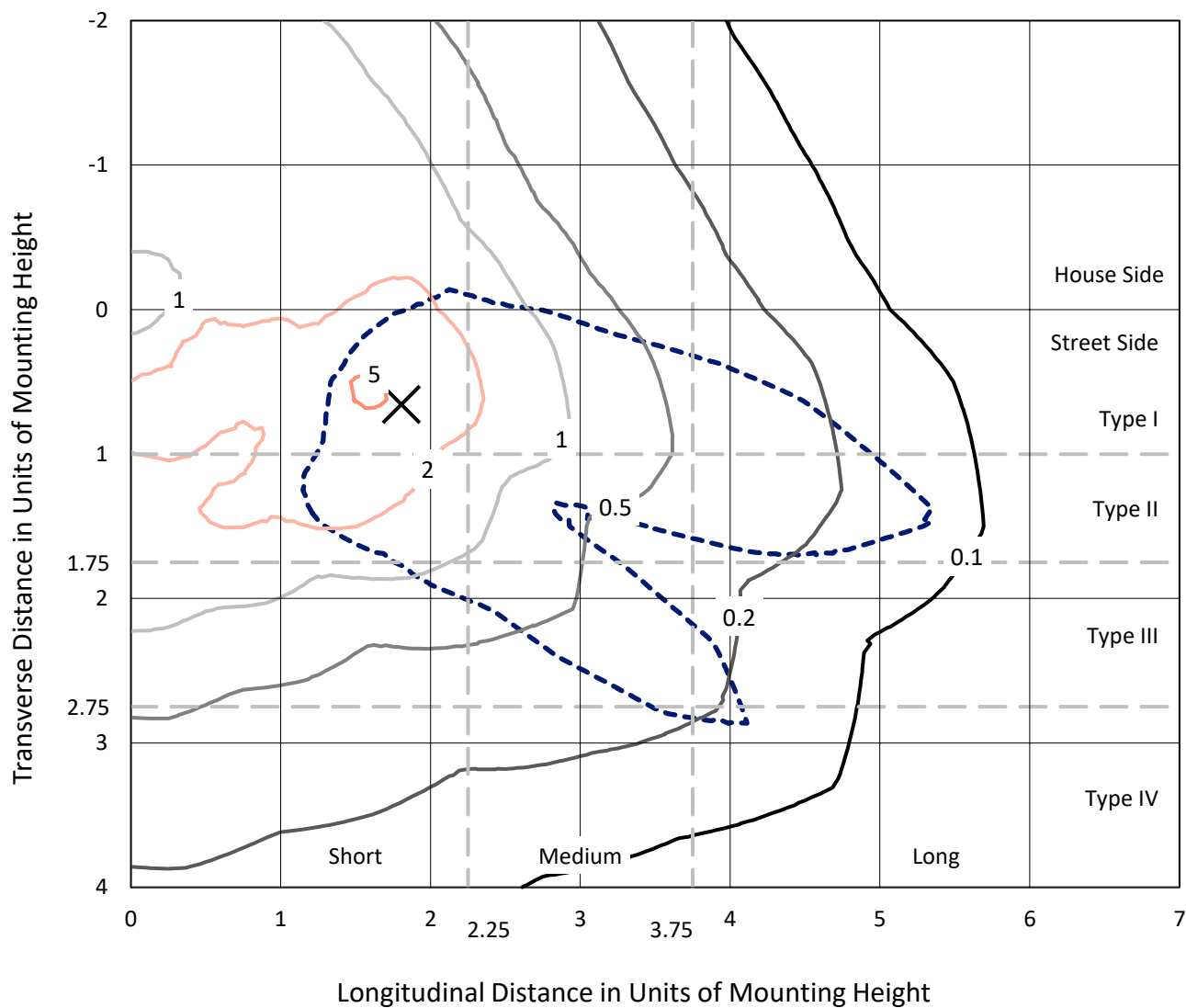
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

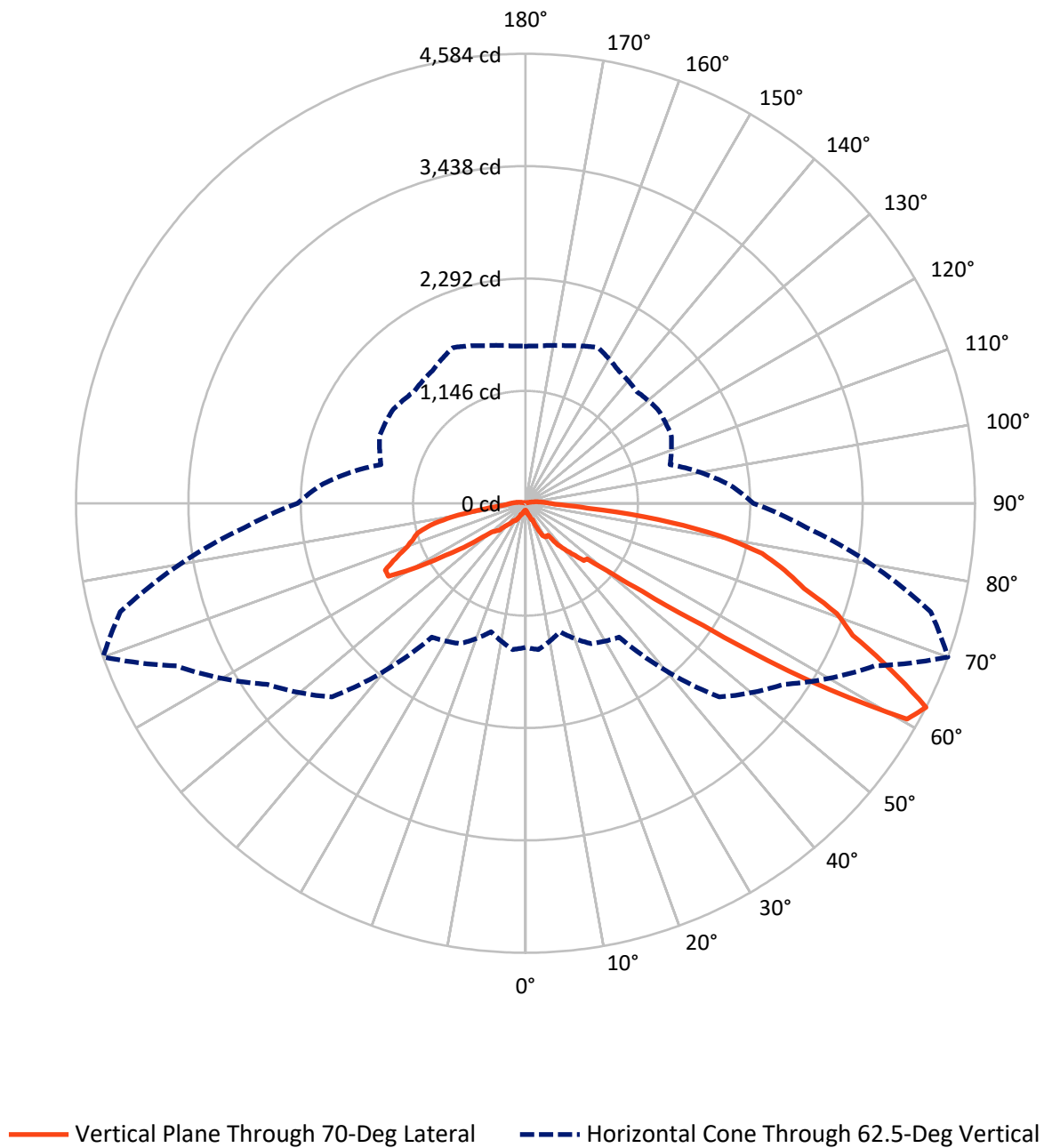


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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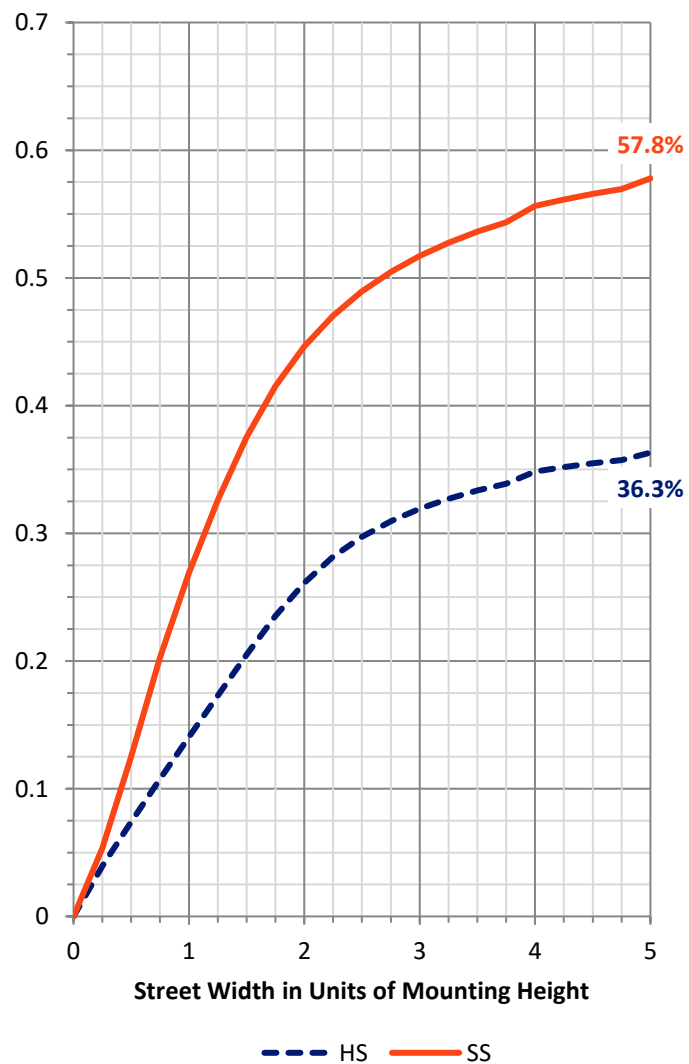
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2274.5	83.4	2357.9
	% Fixture	37.1	1.4	38.4
Street Side	Lumens	3664.5	114.6	3779.1
	% Fixture	59.7	1.9	61.6
Total	Lumens	5939.1	198.0	6137.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.1
10°-20°	33.4	0.5
20°-30°	103.5	1.7
30°-40°	222.0	3.6
40°-50°	416.0	6.8
50°-60°	1079.4	17.6
60°-70°	1977.3	32.2
70°-80°	1586.0	25.8
80°-90°	513.6	8.4
90°-100°	135.3	2.2
100°-110°	44.0	0.7
110°-120°	17.3	0.3
120°-130°	1.4	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5939.1	96.8
0°-180°	6137.0	100.0

Coefficient of Utilization



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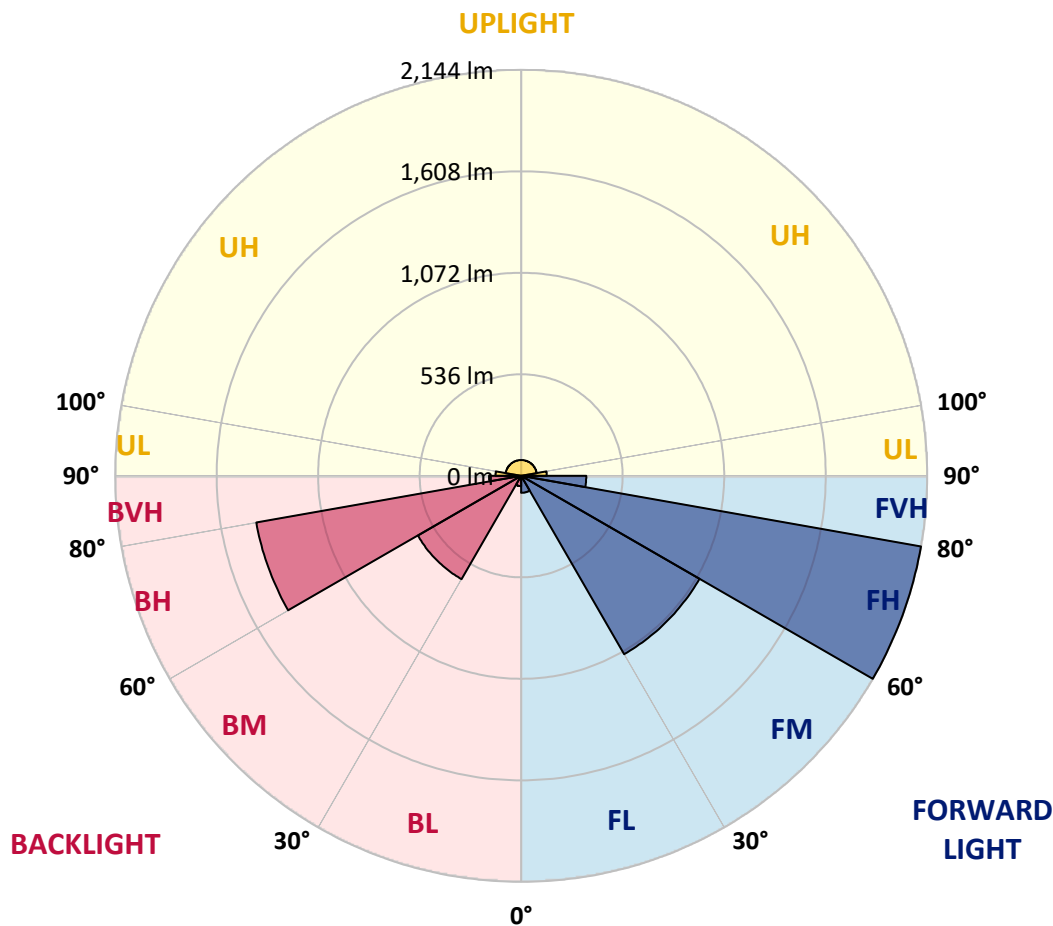
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.0	1.5			
FM	(30°-60°)	1087.4	17.7			
FH	(60°-80°)	2143.5	34.9			G2/5000
FVH	(80°-90°)	343.6	5.6			G3/500
BL	(0°-30°)	54.6	0.9	B0/110		
BM	(30°-60°)	630.1	10.3	B1/1000		
BH	(60°-80°)	1419.9	23.1	B3/2500		G3/2500
BVH	(80°-90°)	170.0	2.8			G2/225
UL	(90°-100°)	135.3	2.2		U3/500	
UH	(100°-180°)	83.4	1.4		U3/500	

BUG Rating: B3-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
2.5°	78.6	78.6	78.6	77.4	76.3	75.1	73.9	73.9	72.7	71.6	70.4
5°	85.6	84.5	83.3	81.0	79.8	79.8	78.6	78.6	78.6	77.4	76.3
7.5°	95.0	95.0	93.9	92.7	91.5	90.3	89.2	88.0	88.0	86.8	85.6
10°	107.9	107.9	107.9	106.8	106.8	105.6	103.2	102.1	99.7	98.5	95.0
12.5°	120.8	122.0	119.7	119.7	119.7	118.5	116.1	115.0	112.6	110.3	105.6
15°	133.7	132.6	131.4	130.2	132.6	132.6	131.4	131.4	126.7	123.2	115.0
17.5°	145.5	145.5	146.6	146.6	150.2	149.0	149.0	147.8	145.5	139.6	129.1
20°	164.2	165.4	165.4	165.4	177.2	181.8	183.0	184.2	180.7	168.9	147.8
22.5°	183.0	184.2	192.4	190.1	190.1	190.1	201.8	195.9	180.7	166.6	154.9
25°	247.5	251.1	253.4	261.6	271.0	296.8	337.9	325.0	301.5	253.4	213.5
27.5°	309.7	314.4	356.7	415.3	423.5	393.0	422.4	383.6	371.9	322.6	289.8
30°	337.9	346.1	418.8	458.7	472.8	432.9	475.1	401.2	397.7	362.5	334.4
32.5°	344.9	350.8	430.6	435.3	438.8	434.1	497.4	407.1	398.9	363.7	322.6
35°	334.4	341.4	395.4	368.4	369.6	452.9	571.3	438.8	401.2	340.2	294.5
37.5°	411.8	411.8	457.5	464.6	495.1	596.0	748.5	579.6	537.3	443.5	387.2
40°	469.3	475.1	547.9	574.9	579.6	665.2	937.4	679.3	619.4	496.3	452.9
42.5°	546.7	545.5	612.4	631.2	644.1	675.8	958.5	781.4	711.0	562.0	529.1
45°	559.6	578.4	639.4	618.3	634.7	715.7	1000.7	925.7	831.8	686.3	618.3
47.5°	508.0	533.8	657.0	639.4	573.7	611.2	802.5	950.3	847.0	705.1	657.0
50°	547.9	562.0	623.0	611.2	523.2	650.0	881.1	1190.8	1075.8	838.8	715.7
52.5°	708.6	739.1	749.7	795.4	753.2	972.6	1233.0	1508.7	1493.5	1214.3	944.4
55°	910.4	955.0	1001.9	1175.5	1200.2	1527.5	1721.1	2015.6	2198.6	1920.5	1448.9
57.5°	1128.6	1192.0	1176.7	1429.0	1467.7	2069.5	2247.8	2937.7	3426.9	3049.1	2122.3
60°	1339.8	1382.0	1296.4	1518.1	1592.0	2605.7	2867.3	3825.8	4469.9	4067.5	2613.9
62.5°	1470.0	1497.0	1356.2	1579.1	1665.9	2792.2	3218.1	3925.5	4583.7	4277.5	2880.2
65°	1468.8	1461.8	1301.1	1494.7	1482.9	2577.5	3110.2	3299.0	4094.5	4042.8	2914.2
67.5°	1411.4	1413.7	1244.8	1398.5	1350.4	2272.5	2881.4	2791.0	3599.4	3668.6	2834.4
70°	1356.2	1384.4	1223.6	1357.4	1335.1	2185.7	2781.7	2511.8	3367.1	3498.5	2750.0
72.5°	1278.8	1305.8	1154.4	1271.7	1280.0	2012.0	2611.5	2192.7	2969.4	3127.7	2464.9
75°	1277.6	1311.6	1169.7	1272.9	1285.8	1913.5	2632.7	2082.4	2731.2	2943.6	2300.6
77.5°	1204.9	1235.4	1104.0	1200.2	1236.6	1731.6	2511.8	1945.2	2467.2	2705.4	2085.9
80°	967.9	1009.0	901.0	964.4	984.3	1298.7	2014.4	1593.2	2007.3	2245.5	1704.7
82.5°	661.7	699.2	627.7	674.6	700.4	851.7	1392.6	1147.4	1364.4	1509.9	1067.6
85°	382.5	427.0	384.8	378.9	391.8	449.3	749.7	610.1	634.7	667.6	474.0
87.5°	240.5	247.5	226.4	227.6	229.9	246.4	341.4	272.2	300.3	340.2	287.4
90°	191.2	198.3	183.0	184.2	180.7	195.9	255.8	207.7	231.1	266.3	227.6
92.5°	165.4	170.1	159.6	161.9	159.6	171.3	213.5	171.3	190.1	218.2	186.5
95°	140.8	144.3	138.4	139.6	132.6	139.6	166.6	130.2	144.3	164.2	139.6
97.5°	112.6	116.1	112.6	112.6	105.6	109.1	127.9	100.9	110.3	123.2	105.6
100°	89.2	90.3	89.2	88.0	82.1	82.1	89.2	72.7	76.3	84.5	72.7
102.5°	68.0	69.2	68.0	66.9	59.8	56.3	56.3	46.9	49.3	51.6	45.8
105°	54.0	55.1	54.0	51.6	45.8	42.2	41.1	34.0	34.0	35.2	31.7
107.5°	44.6	44.6	44.6	42.2	38.7	34.0	30.5	24.6	24.6	25.8	24.6
110°	36.4	36.4	35.2	34.0	30.5	27.0	23.5	19.9	19.9	19.9	18.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	30.5	30.5	29.3	28.2	24.6	21.1	18.8	16.4	16.4	16.4	15.3
115°	25.8	25.8	24.6	23.5	21.1	17.6	15.3	12.9	12.9	12.9	12.9
117.5°	22.3	22.3	21.1	19.9	17.6	15.3	12.9	10.6	10.6	10.6	10.6
120°	19.9	18.8	17.6	16.4	14.1	12.9	10.6	9.4	9.4	9.4	8.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
2.5°	70.4	70.4	69.2	69.2	69.2	68.0	68.0	69.2	69.2	69.2	69.2
5°	75.1	73.9	71.6	69.2	68.0	66.9	65.7	65.7	68.0	68.0	68.0
7.5°	84.5	83.3	79.8	77.4	75.1	72.7	71.6	70.4	71.6	72.7	72.7
10°	93.9	92.7	88.0	84.5	83.3	81.0	79.8	78.6	79.8	79.8	79.8
12.5°	103.2	100.9	97.4	92.7	90.3	89.2	88.0	86.8	86.8	86.8	86.8
15°	111.5	107.9	104.4	100.9	98.5	96.2	95.0	93.9	95.0	96.2	96.2
17.5°	124.4	120.8	112.6	106.8	105.6	103.2	102.1	102.1	103.2	104.4	104.4
20°	138.4	131.4	122.0	116.1	115.0	111.5	110.3	110.3	111.5	112.6	112.6
22.5°	150.2	145.5	131.4	123.2	122.0	120.8	122.0	122.0	123.2	124.4	124.4
25°	191.2	172.5	152.5	146.6	145.5	143.1	140.8	139.6	140.8	144.3	145.5
27.5°	258.1	224.1	186.5	173.6	173.6	176.0	180.7	183.0	178.3	176.0	177.2
30°	302.7	256.9	203.0	191.2	193.6	205.3	215.9	222.9	218.2	214.7	215.9
32.5°	291.0	248.7	210.0	207.7	214.7	224.1	229.9	233.5	242.9	246.4	251.1
35°	265.1	233.5	212.3	221.7	226.4	226.4	226.4	226.4	244.0	260.5	265.1
37.5°	323.8	269.8	252.2	255.8	252.2	248.7	252.2	261.6	276.9	289.8	293.3
40°	380.1	312.1	282.7	280.4	279.2	291.0	312.1	328.5	333.2	321.5	323.8
42.5°	442.3	353.1	315.6	319.1	328.5	347.3	370.7	370.7	370.7	360.2	363.7
45°	501.0	401.2	378.9	388.3	388.3	397.7	410.6	402.4	413.0	417.7	423.5
47.5°	570.2	465.8	416.5	408.3	409.4	428.2	432.9	429.4	436.4	428.2	428.2
50°	591.3	476.3	437.6	469.3	469.3	448.2	430.6	432.9	452.9	475.1	479.8
52.5°	752.0	590.1	554.9	587.8	601.9	565.5	565.5	570.2	574.9	591.3	596.0
55°	1125.1	841.2	735.6	811.9	822.4	844.7	905.7	896.3	842.4	815.4	813.0
57.5°	1682.4	1248.3	916.3	1024.2	1092.2	1183.8	1229.5	1202.5	1129.8	1105.2	1078.2
60°	2150.5	1709.4	1187.3	1375.0	1477.1	1492.3	1475.9	1478.2	1423.1	1440.7	1433.6
62.5°	2324.1	2097.7	1526.3	1640.1	1655.4	1608.5	1651.9	1751.6	1662.4	1609.6	1601.4
65°	2375.7	2242.0	1621.4	1547.4	1533.4	1525.2	1696.4	1863.0	1663.6	1540.4	1539.2
67.5°	2324.1	2094.2	1500.5	1378.5	1411.4	1478.2	1701.1	1763.3	1575.6	1439.5	1430.1
70°	2257.2	1856.0	1350.4	1244.8	1321.0	1418.4	1560.4	1535.7	1461.8	1341.0	1335.1
72.5°	2014.4	1608.5	1254.2	1166.2	1253.0	1281.1	1351.5	1341.0	1362.1	1285.8	1282.3
75°	1803.2	1477.1	1196.7	1093.4	1135.7	1131.0	1187.3	1200.2	1260.0	1227.2	1214.3
77.5°	1555.7	1284.7	1054.7	935.0	951.5	950.3	977.3	985.5	1027.7	1030.1	1016.0
80°	1217.8	1006.6	823.6	703.9	706.3	685.1	688.7	687.5	695.7	705.1	692.2
82.5°	699.2	562.0	466.9	390.7	374.3	346.1	340.2	342.6	339.1	336.7	336.7
85°	342.6	266.3	245.2	219.4	210.0	203.0	206.5	213.5	217.0	210.0	206.5
87.5°	231.1	199.4	190.1	179.5	174.8	167.8	172.5	178.3	183.0	177.2	176.0
90°	183.0	158.4	156.0	153.7	150.2	144.3	149.0	156.0	159.6	154.9	152.5
92.5°	147.8	127.9	127.9	126.7	123.2	118.5	124.4	130.2	133.7	130.2	129.1
95°	113.8	98.5	102.1	99.7	96.2	95.0	98.5	103.2	105.6	103.2	103.2
97.5°	88.0	77.4	81.0	79.8	75.1	73.9	76.3	79.8	82.1	79.8	78.6
100°	59.8	55.1	59.8	59.8	55.1	52.8	55.1	58.7	59.8	59.8	58.7
102.5°	39.9	37.5	43.4	44.6	42.2	39.9	41.1	43.4	44.6	44.6	44.6
105°	28.2	28.2	34.0	35.2	32.8	30.5	32.8	34.0	34.0	34.0	34.0
107.5°	22.3	23.5	27.0	29.3	27.0	24.6	25.8	27.0	27.0	27.0	28.2
110°	18.8	18.8	22.3	24.6	22.3	21.1	21.1	21.1	21.1	22.3	24.6

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CATALOG NUMBER: ARC-CA6-60-740-U-33-6-5-X

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.3	16.4	18.8	19.9	18.8	17.6	17.6	17.6	17.6	18.8	22.3
115°	12.9	14.1	16.4	16.4	15.3	15.3	15.3	14.1	14.1	15.3	21.1
117.5°	10.6	11.7	12.9	12.9	12.9	11.7	11.7	11.7	11.7	14.1	22.3
120°	9.4	9.4	10.6	10.6	9.4	9.4	9.4	9.4	8.2	11.7	17.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)