

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: P588465

Luminaire Tested: **ARC-CA6-50-760-U-55-6-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-16)
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-55-6-5-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE V REFRACTOR
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5257 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U3 - G2

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



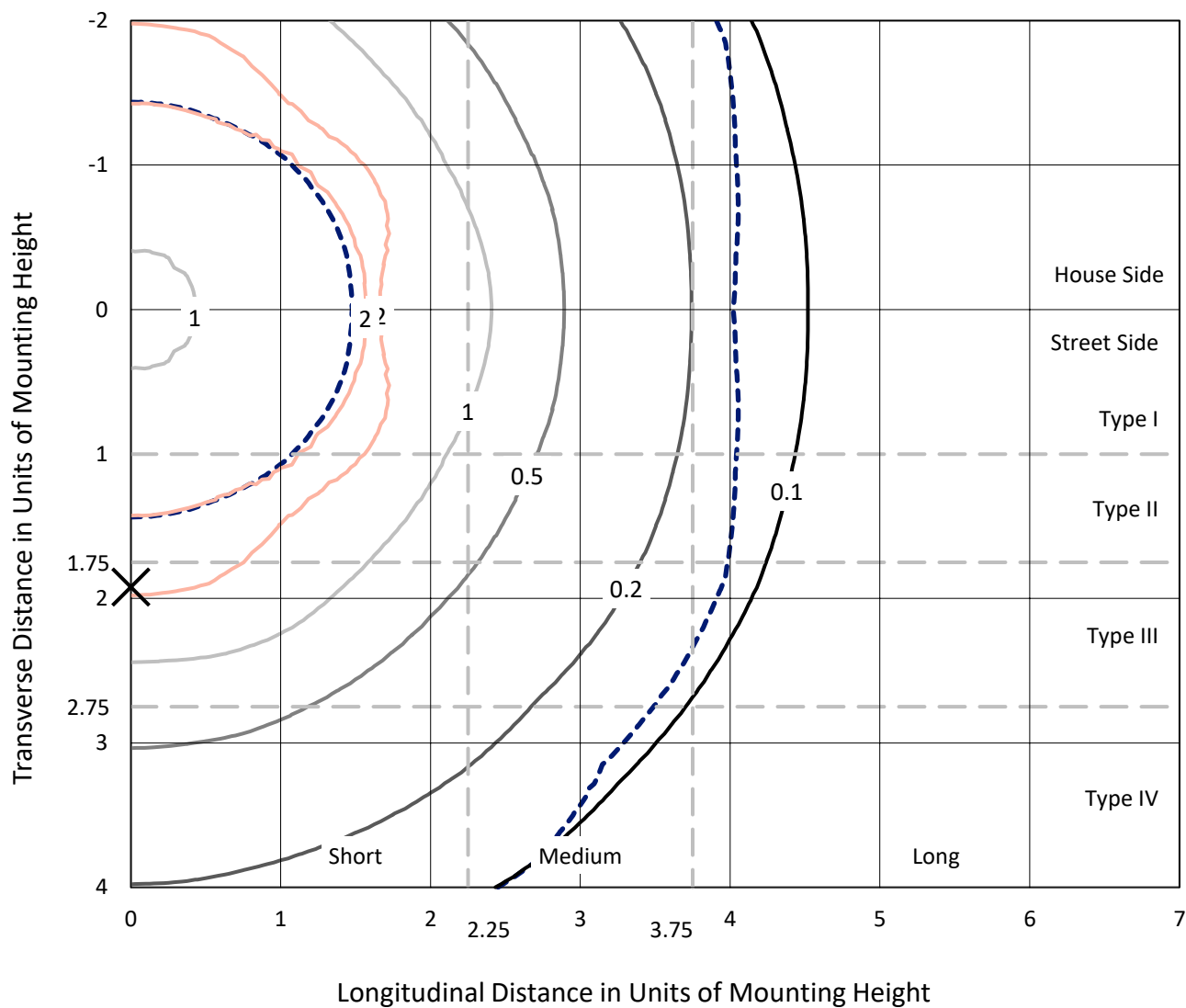
REPORT NUMBER: P588465

CATALOG NUMBER: ARC-CA6-50-760-U-55-6-5-X

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

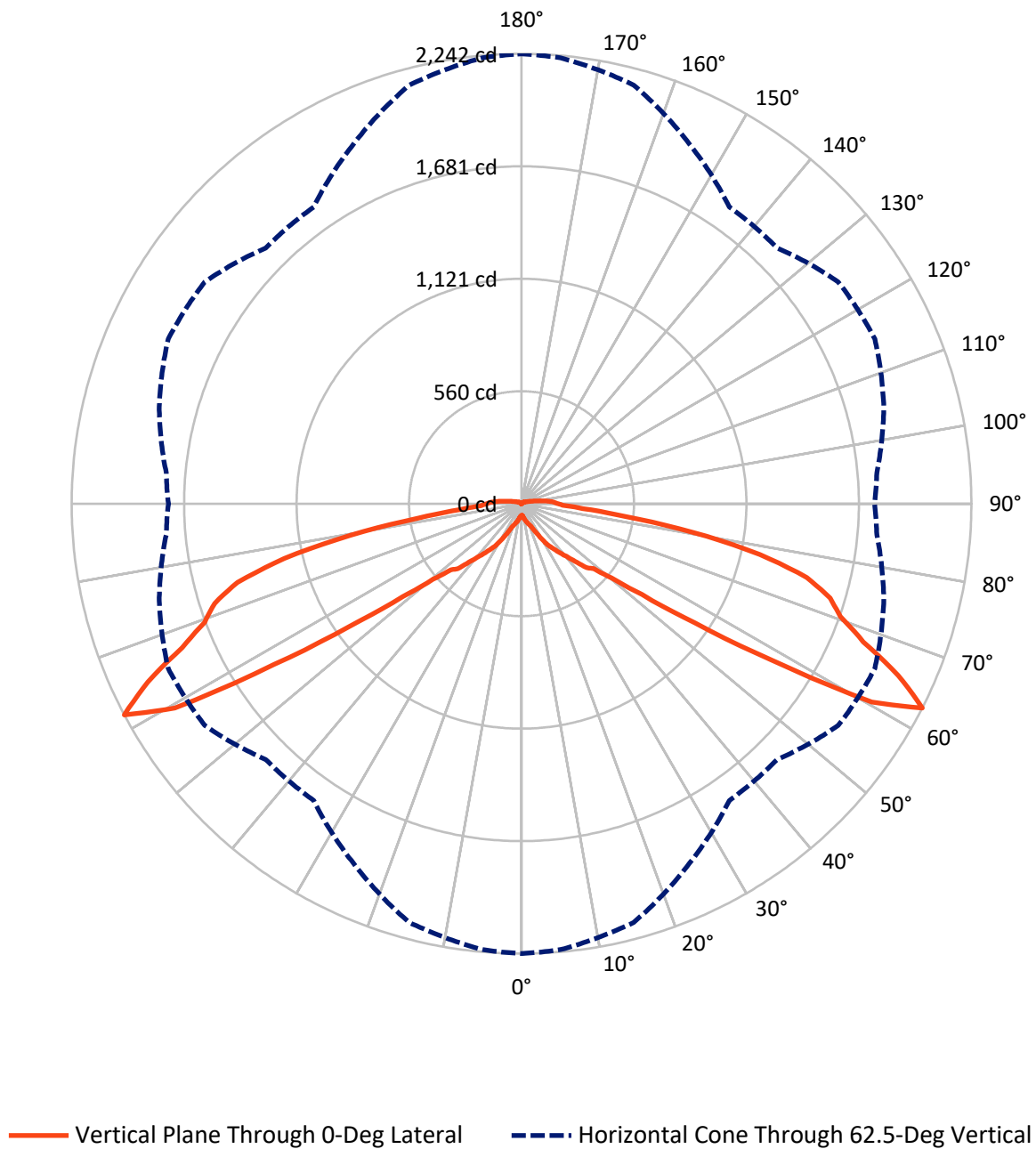


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P588465

CATALOG NUMBER: ARC-CA6-50-760-U-55-6-5-X

Luminous Intensity Polar Plot



REPORT NUMBER: P588465

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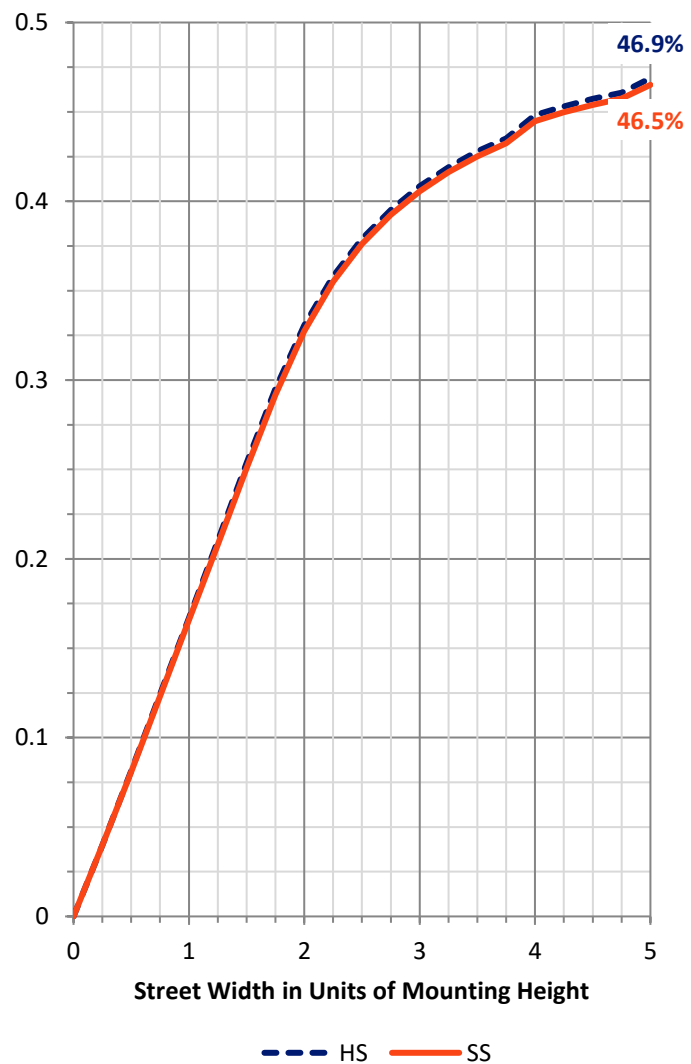
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2527.5	101.0	2628.5
	% Fixture	48.1	1.9	50.0
Street Side	Lumens	2527.5	101.0	2628.5
	% Fixture	48.1	1.9	50.0
Total	Lumens	5054.9	202.1	5257.0
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	26.5	0.5
20°-30°	69.9	1.3
30°-40°	159.0	3.0
40°-50°	321.6	6.1
50°-60°	952.1	18.1
60°-70°	1788.7	34.0
70°-80°	1329.5	25.3
80°-90°	401.4	7.6
90°-100°	130.2	2.5
100°-110°	45.6	0.9
110°-120°	17.6	0.3
120°-130°	7.0	0.1
130°-140°	1.4	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	5054.9	96.2
0°-180°	5257.0	100.0

Coefficient of Utilization



REPORT NUMBER: P588465

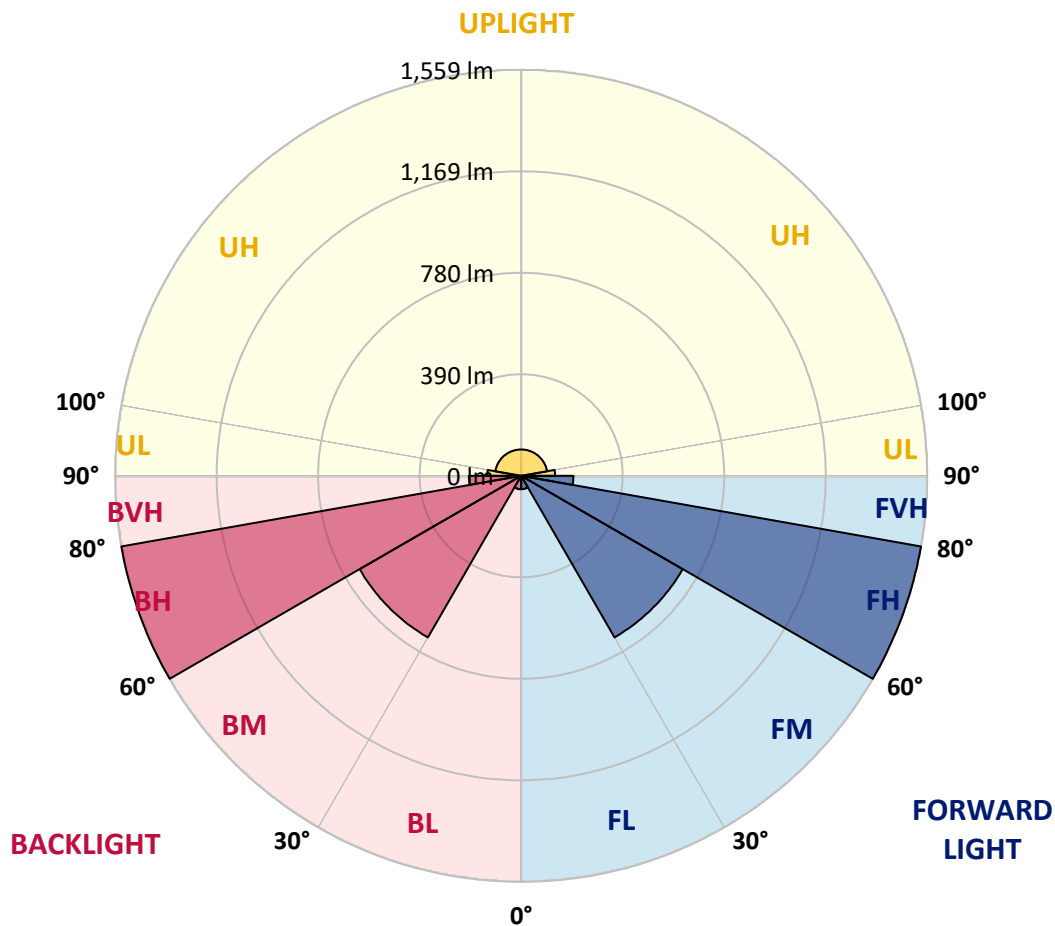
CATALOG NUMBER: ARC-CA6-50-760-U-55-6-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	51.3	1.0			
FM	(30°-60°)	716.4	13.6			
FH	(60°-80°)	1559.1	29.7			G1/1800
FVH	(80°-90°)	200.7	3.8			G2/225
BL	(0°-30°)	51.3	1.0	B0/110		
BM	(30°-60°)	716.4	13.6	B1/1000		
BH	(60°-80°)	1559.1	29.7	B3/2500		G1/1800
BVH	(80°-90°)	200.7	3.8			G2/225
UL	(90°-100°)	130.2	2.5		U3/500	
UH	(100°-180°)	101.0	1.9		U3/500	

BUG Rating: B3-U3-G2

Type V Short



REPORT NUMBER: P588465

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
2.5°	58.8	58.8	58.8	57.8	56.8	56.8	56.8	56.8	55.8	55.8	55.8
5°	61.8	61.8	60.8	59.8	59.8	58.8	59.8	58.8	58.8	58.8	59.8
7.5°	68.8	68.8	67.8	67.8	67.8	66.8	66.8	66.8	66.8	65.8	66.8
10°	76.7	76.7	76.7	76.7	76.7	75.8	75.8	74.8	74.8	74.8	74.8
12.5°	85.7	84.7	84.7	85.7	84.7	83.7	83.7	83.7	82.7	82.7	82.7
15°	93.7	93.7	92.7	92.7	92.7	91.7	91.7	90.7	90.7	89.7	89.7
17.5°	101.7	101.7	100.7	99.7	99.7	99.7	98.7	98.7	97.7	97.7	97.7
20°	111.6	110.6	109.6	108.6	107.6	107.6	107.6	107.6	106.7	105.7	105.7
22.5°	122.6	121.6	120.6	119.6	119.6	118.6	118.6	117.6	117.6	116.6	115.6
25°	145.5	145.5	141.5	140.5	140.5	141.5	140.5	139.5	137.6	134.6	134.6
27.5°	176.4	177.4	178.4	183.4	182.4	175.4	171.4	169.4	168.5	168.5	169.4
30°	211.3	212.3	215.3	220.3	217.3	208.3	198.4	194.4	197.4	201.3	202.3
32.5°	248.2	248.2	242.2	235.2	228.3	222.3	219.3	217.3	216.3	213.3	213.3
35°	277.1	272.1	253.2	230.2	223.3	227.3	239.2	243.2	228.3	214.3	212.3
37.5°	310.0	309.0	294.0	277.1	264.1	262.1	275.1	279.1	263.1	254.2	253.2
40°	344.9	346.9	349.9	342.9	322.9	317.0	310.0	305.0	305.0	306.0	304.0
42.5°	391.7	394.7	394.7	395.7	379.8	365.8	351.9	343.9	342.9	350.9	353.8
45°	454.5	454.5	447.5	433.6	426.6	416.6	407.7	399.7	395.7	396.7	399.7
47.5°	482.4	484.4	478.4	458.5	453.5	443.6	430.6	427.6	429.6	432.6	433.6
50°	580.1	575.1	534.3	492.4	477.4	487.4	506.3	511.3	492.4	473.5	468.5
52.5°	751.5	750.6	718.7	687.8	666.8	660.8	686.8	688.8	655.9	641.9	639.9
55°	1048.6	1037.6	1061.5	1076.5	1032.6	983.8	965.9	940.9	942.9	970.8	971.8
57.5°	1470.2	1476.2	1503.1	1464.2	1397.4	1361.6	1336.6	1289.8	1290.8	1315.7	1317.7
60°	2005.5	2004.5	1918.7	1769.2	1666.6	1673.5	1742.3	1752.3	1645.6	1576.9	1568.9
62.5°	2241.7	2230.7	2160.0	1978.5	1805.1	1802.1	1926.7	1942.7	1868.9	1777.2	1759.3
65°	2063.3	2054.3	2084.2	2022.4	1794.2	1735.3	1773.2	1769.2	1816.1	1857.9	1862.9
67.5°	1837.0	1839.0	1910.8	1891.8	1733.3	1633.7	1585.8	1579.8	1667.6	1765.2	1778.2
70°	1685.5	1685.5	1736.3	1659.6	1583.8	1519.0	1469.2	1438.3	1495.1	1511.1	1510.1
72.5°	1607.8	1600.8	1564.9	1491.1	1433.3	1376.5	1391.5	1368.5	1341.6	1299.8	1295.8
75°	1469.2	1461.2	1411.4	1376.5	1334.6	1263.9	1276.8	1253.9	1209.1	1171.2	1165.2
77.5°	1214.0	1214.0	1182.1	1156.2	1144.3	1083.5	1077.5	1066.5	1021.7	1000.7	992.8
80°	869.2	867.2	854.2	845.2	860.2	824.3	808.4	808.4	790.4	771.5	762.5
82.5°	517.3	510.3	510.3	513.3	504.4	481.4	485.4	508.3	506.3	495.4	487.4
85°	306.0	302.0	299.0	295.0	287.1	271.1	271.1	273.1	275.1	276.1	272.1
87.5°	204.3	203.3	203.3	203.3	194.4	183.4	188.4	191.4	189.4	188.4	187.4
90°	178.4	179.4	178.4	174.4	166.5	156.5	158.5	162.5	160.5	160.5	159.5
92.5°	160.5	160.5	158.5	154.5	146.5	137.6	138.5	140.5	139.5	138.5	137.6
95°	131.6	131.6	129.6	126.6	119.6	111.6	112.6	114.6	112.6	112.6	111.6
97.5°	102.7	102.7	101.7	99.7	93.7	87.7	88.7	89.7	88.7	88.7	87.7
100°	77.7	77.7	76.7	73.8	70.8	65.8	66.8	68.8	67.8	67.8	66.8
102.5°	57.8	57.8	56.8	55.8	51.8	48.8	49.8	49.8	49.8	48.8	48.8
105°	44.9	44.9	44.9	42.9	40.9	37.9	37.9	37.9	37.9	36.9	36.9
107.5°	35.9	34.9	34.9	33.9	31.9	29.9	29.9	29.9	29.9	29.9	29.9
110°	28.9	27.9	26.9	26.9	24.9	23.9	22.9	23.9	23.9	23.9	23.9

REPORT NUMBER: P588465

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	24.9	23.9	21.9	21.9	20.9	18.9	18.9	18.9	20.9	19.9	19.9
115°	21.9	20.9	17.9	17.9	16.9	15.9	15.9	15.9	17.9	15.9	15.9
117.5°	18.9	17.9	15.0	15.0	14.0	13.0	13.0	13.0	15.0	13.0	13.0
120°	14.0	14.0	12.0	12.0	12.0	11.0	11.0	11.0	12.0	11.0	11.0
122.5°	11.0	11.0	10.0	10.0	10.0	9.0	9.0	9.0	9.0	8.0	8.0
125°	11.0	13.0	8.0	8.0	7.0	7.0	7.0	6.0	7.0	6.0	6.0
127.5°	12.0	11.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0	5.0	5.0
130°	4.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0
132.5°	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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	1.0	1.0	1.0	1.0	1.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
170°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)