

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: P155233

Luminaire Tested: **AVM-F01-LED-E-U-T3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155233
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-F01-LED-E-U-T3-HSS-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1135.9 lumens
Efficiency: N/A
Efficacy: 43.9 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

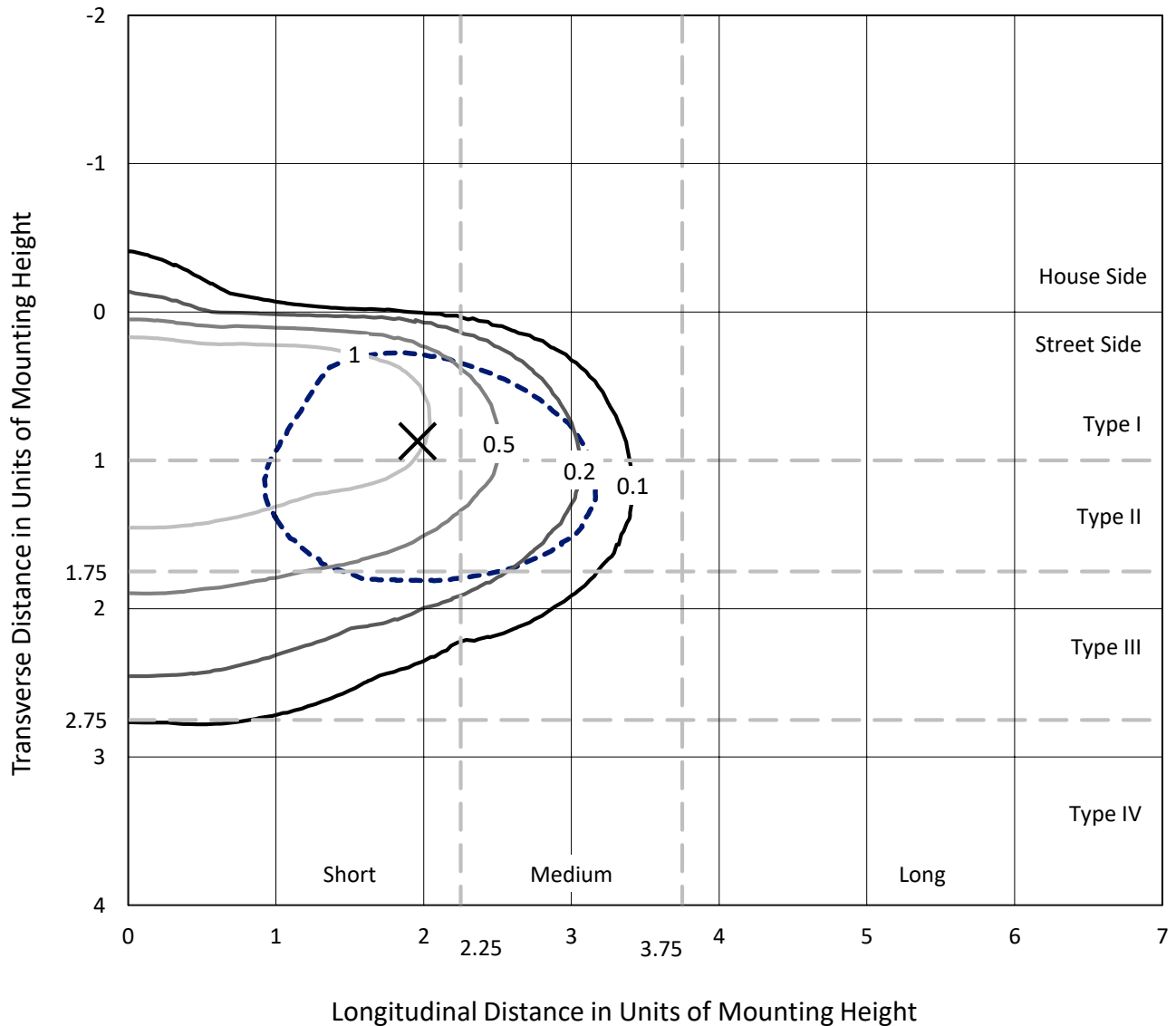
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P155233
 CATALOG NUMBER: AVM-F01-LED-E-U-T3-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

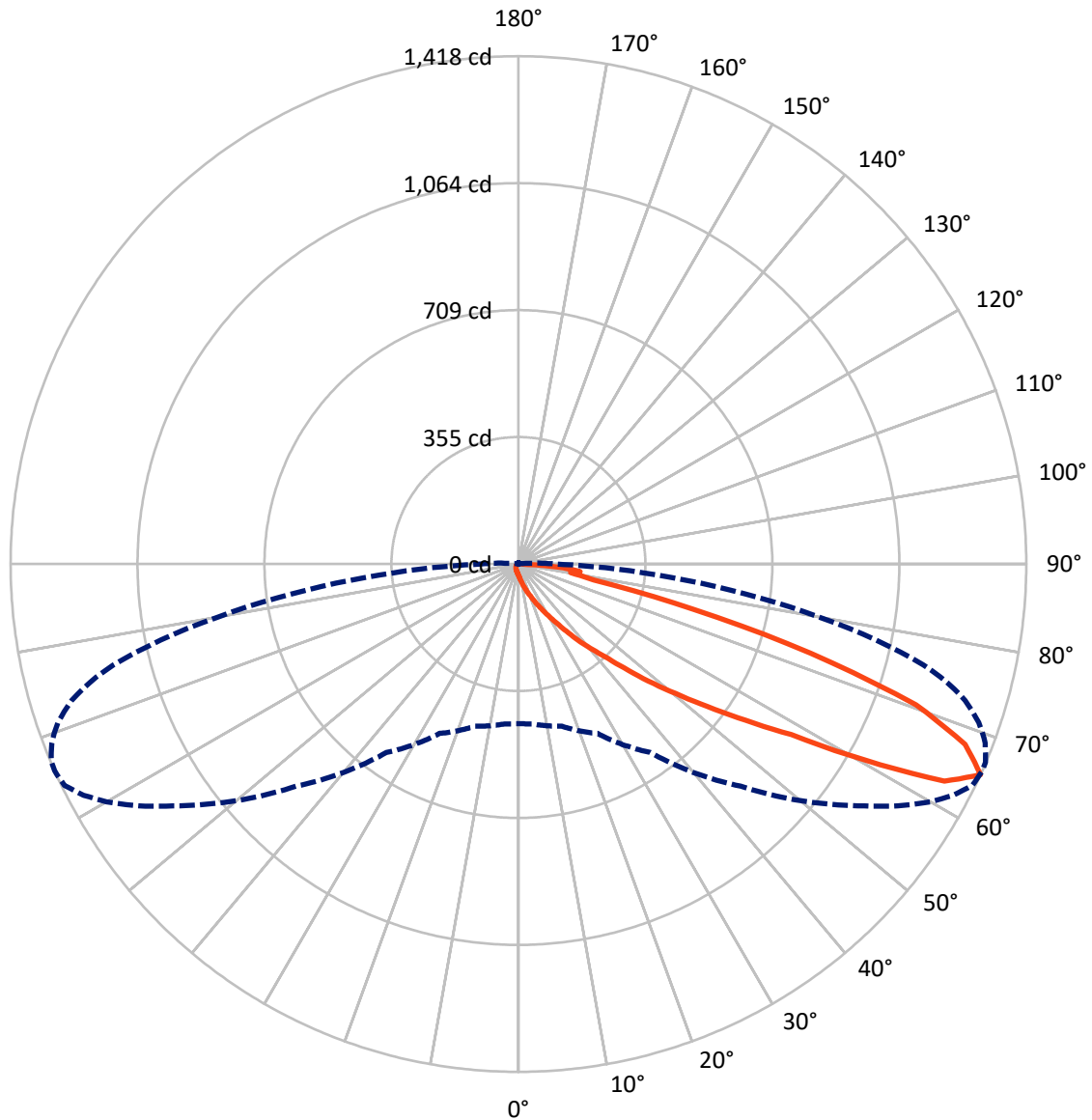
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P155233
CATALOG NUMBER: AVM-F01-LED-E-U-T3-HSS-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P155233

CATALOG NUMBER: AVM-F01-LED-E-U-T3-HSS-8030

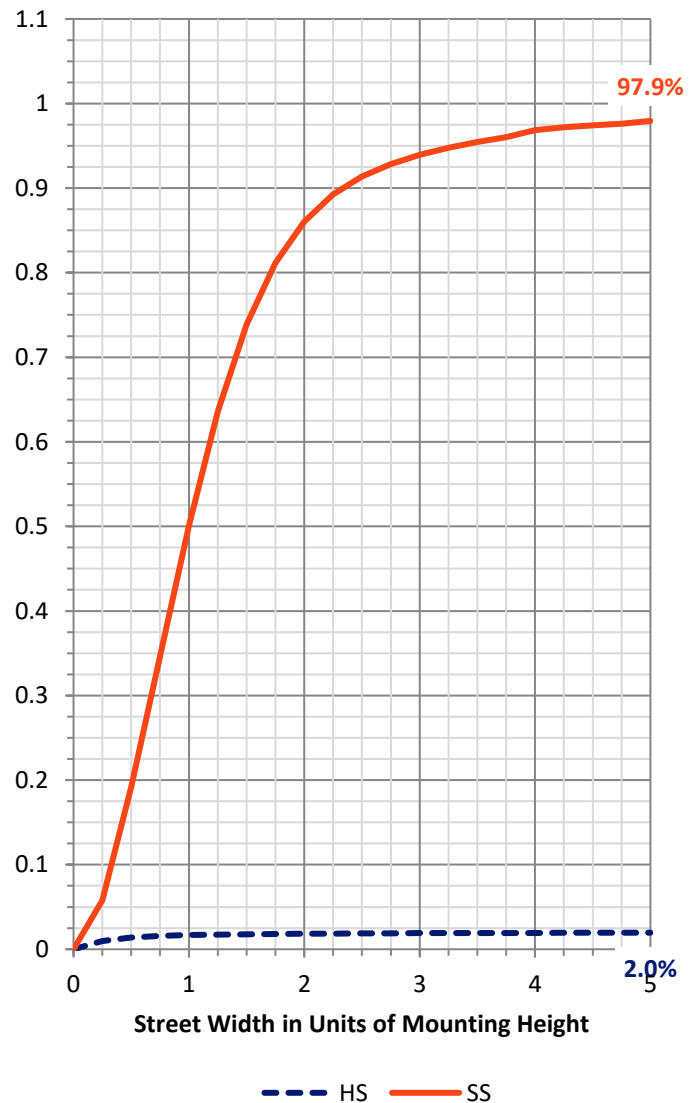
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22.8	0.0	22.8
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	1113.1	0.0	1113.1
	% Fixture	98.0	0.0	98.0
Total	Lumens	1135.9	0.0	1135.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.3
10°-20°	18.5	1.6
20°-30°	42.2	3.7
30°-40°	80.3	7.1
40°-50°	161.1	14.2
50°-60°	285.1	25.1
60°-70°	372.5	32.8
70°-80°	153.2	13.5
80°-90°	19.3	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	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°	1135.9	100.0
0°-180°	1135.9	100.0

Coefficient of Utilization



REPORT NUMBER: P155233

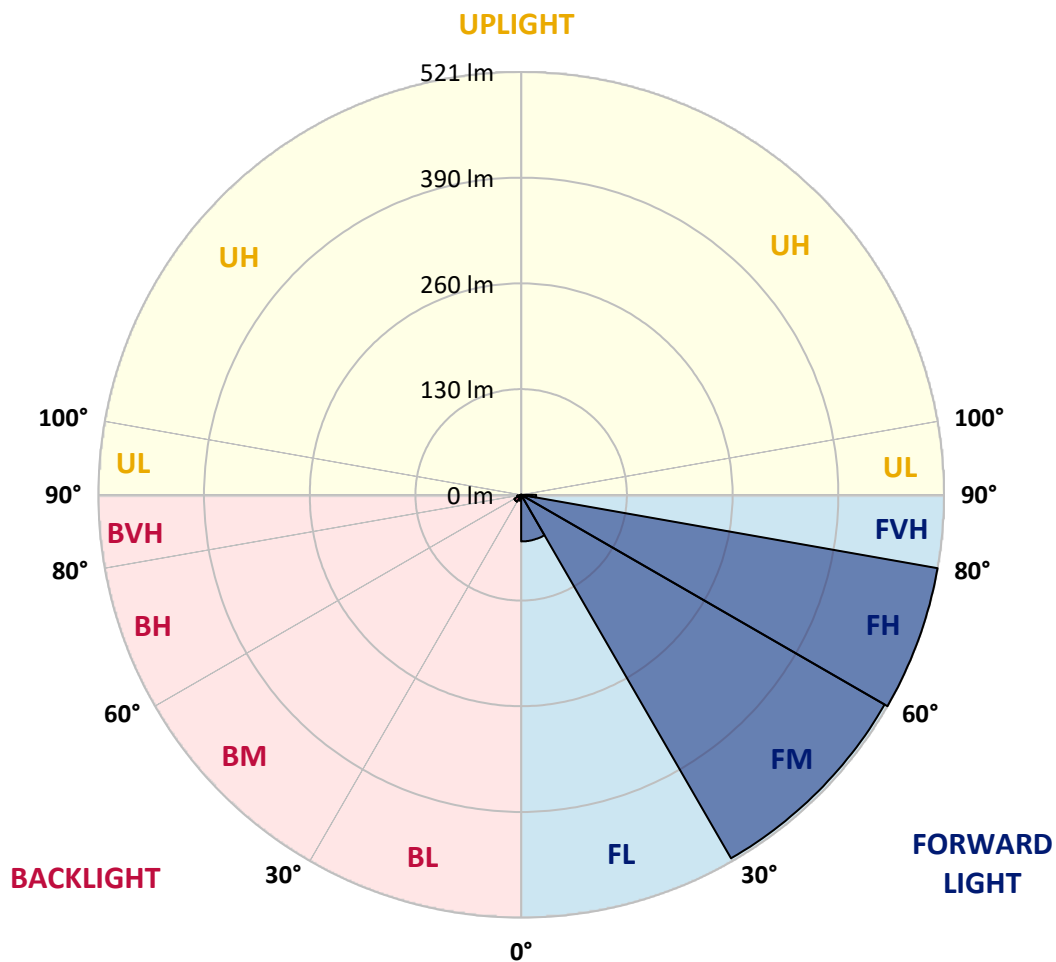
CATALOG NUMBER: AVM-F01-LED-E-U-T3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	57.4	5.1			
FM	(30°-60°)	516.7	45.5			
FH	(60°-80°)	520.6	45.8			G0/660
FVH	(80°-90°)	18.4	1.6			G1/100
BL	(0°-30°)	7.1	0.6	B0/110		
BM	(30°-60°)	9.8	0.9	B0/220		
BH	(60°-80°)	5.1	0.4	B0/110		G0/110
BVH	(80°-90°)	0.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





REPORT NUMBER: P155233
 CATALOG NUMBER: AVM-F01-LED-E-U-T3-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
2.5°	41.8	41.1	41.3	39.9	39.0	37.9	36.9	36.7	36.5	36.0	36.2
5°	60.2	59.5	57.8	55.0	52.5	48.5	44.6	44.4	43.7	43.0	42.5
7.5°	83.6	82.4	80.6	75.9	69.7	62.7	54.8	54.1	53.2	52.3	51.3
10°	110.8	110.1	106.6	101.3	91.7	80.4	67.1	66.4	64.3	63.2	62.2
12.5°	139.3	136.3	134.9	125.6	114.7	99.2	82.2	79.7	78.0	76.4	74.1
15°	160.9	161.4	158.2	150.7	138.0	119.8	98.7	95.9	93.6	90.6	87.8
17.5°	180.5	179.5	176.0	171.4	159.3	141.0	116.4	112.6	108.9	107.3	103.3
20°	196.2	195.8	193.0	188.6	179.3	161.6	134.9	131.9	127.7	124.9	120.5
22.5°	208.8	208.8	207.2	204.6	195.6	181.4	154.7	151.4	147.2	143.8	138.9
25°	218.8	218.5	218.8	217.6	211.6	198.6	174.9	171.2	167.7	163.5	158.9
27.5°	230.2	230.6	230.2	229.5	226.9	216.5	195.3	192.8	188.8	184.4	179.8
30°	247.8	246.4	246.2	245.7	242.7	236.2	216.5	213.4	210.4	207.4	204.1
32.5°	266.4	264.1	263.4	263.4	261.3	255.5	240.8	239.2	234.8	232.5	229.7
35°	287.5	286.6	285.7	285.9	285.0	278.9	266.8	267.3	265.9	261.3	258.5
37.5°	318.4	318.6	317.0	314.0	314.0	308.7	301.7	300.8	297.3	296.1	294.5
40°	362.5	361.4	360.0	355.6	353.9	344.9	338.4	336.1	333.3	333.0	331.2
42.5°	413.6	412.2	412.2	409.0	405.7	394.8	382.5	380.9	377.9	378.8	378.1
45°	461.0	462.2	463.8	466.1	466.6	461.9	444.1	442.0	440.3	439.4	438.7
47.5°	501.9	504.0	509.3	519.3	532.1	533.7	519.5	514.0	512.8	511.2	509.8
50°	531.1	534.2	546.2	565.7	590.6	605.9	598.3	593.6	593.4	589.0	588.5
52.5°	547.9	551.1	570.9	600.4	638.9	668.9	678.4	678.2	677.7	673.7	672.1
55°	551.6	555.1	578.8	618.9	674.0	725.8	762.2	763.2	765.2	764.1	764.1
57.5°	541.4	545.8	571.6	621.3	692.3	770.8	850.5	855.8	858.4	867.4	877.9
60°	522.6	525.8	551.6	607.1	695.6	811.9	965.2	982.2	995.4	1013.3	1030.2
62.5°	487.7	494.2	518.8	579.2	685.8	859.3	1102.2	1133.6	1159.4	1186.5	1219.3
65°	445.4	448.2	469.1	521.9	642.2	877.4	1177.9	1208.6	1241.6	1270.6	1299.9
67.5°	392.5	394.8	412.9	435.5	530.0	792.7	1103.4	1137.3	1167.0	1191.0	1229.3
70°	257.1	262.2	306.6	328.9	370.4	586.0	902.3	935.0	957.8	974.0	1018.4
72.5°	188.4	191.6	209.5	255.5	265.7	346.3	635.0	670.5	678.9	709.5	730.2
75°	115.0	123.1	163.5	218.8	259.0	237.1	380.4	397.6	416.9	439.2	458.9
77.5°	23.2	26.5	53.4	150.7	227.8	253.4	227.1	230.4	239.9	242.0	249.4
80°	3.7	3.9	7.0	65.0	131.9	204.8	227.1	224.1	218.8	215.1	211.3
82.5°	1.6	1.9	3.0	16.5	28.1	68.3	196.5	211.8	229.5	239.2	241.8
85°	0.7	0.7	1.2	3.3	4.2	4.6	33.2	43.9	78.3	104.0	119.8
87.5°	0.5	0.5	0.7	0.7	0.9	1.2	1.6	1.6	1.9	2.1	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P155233
 CATALOG NUMBER: AVM-F01-LED-E-U-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
2.5°	36.2	36.0	36.0	35.3	35.3	35.1	35.1	34.8	34.8	34.4	34.6
5°	42.3	41.8	41.3	40.6	40.4	39.9	39.5	38.8	38.6	38.1	37.9
7.5°	50.4	49.9	49.0	47.6	46.7	45.8	44.8	43.9	43.2	42.5	42.0
10°	60.4	59.0	58.5	55.7	54.6	52.7	51.6	50.6	49.2	48.1	47.4
12.5°	72.5	71.3	69.0	65.3	63.4	61.8	59.7	57.8	56.4	54.3	53.0
15°	85.0	84.1	80.8	76.6	74.3	71.3	69.2	67.4	64.3	62.9	60.4
17.5°	100.8	98.0	94.8	88.7	85.7	83.1	79.4	76.6	74.8	70.6	68.3
20°	117.1	114.0	109.9	103.1	98.9	95.0	92.0	88.3	84.3	81.5	77.6
22.5°	135.6	130.8	127.5	119.1	114.3	110.1	105.0	101.0	97.1	92.7	88.3
25°	155.4	150.5	146.5	137.0	131.9	127.7	121.7	116.1	111.2	106.4	101.3
27.5°	176.0	171.6	167.2	157.5	153.0	147.2	141.7	135.2	128.9	124.5	117.5
30°	200.0	196.2	191.4	180.9	176.0	170.0	164.2	156.5	150.5	144.5	137.7
32.5°	225.7	222.7	217.6	208.3	202.5	197.4	191.1	183.7	175.1	168.8	160.9
35°	257.1	252.0	249.0	240.1	235.7	230.2	223.7	217.1	208.1	199.3	192.5
37.5°	292.9	290.5	286.6	278.2	275.0	269.2	265.0	258.5	251.5	240.4	233.2
40°	329.6	327.9	324.4	316.1	312.8	308.9	304.0	297.7	289.4	283.6	272.9
42.5°	376.2	373.7	370.9	363.0	356.7	351.9	349.8	344.4	335.6	328.2	319.8
45°	435.5	434.3	430.6	422.7	416.4	413.2	409.9	400.9	395.0	387.6	381.8
47.5°	507.0	503.3	501.4	492.6	490.5	487.9	479.6	474.5	466.1	460.3	453.1
50°	584.3	580.4	580.6	569.9	570.4	568.5	562.3	556.2	549.0	543.9	539.5
52.5°	667.5	669.3	664.7	667.9	664.2	660.0	658.9	651.4	645.2	644.9	638.9
55°	769.7	766.6	767.8	771.1	765.9	770.6	768.3	758.7	759.0	760.8	753.9
57.5°	879.5	883.9	893.4	895.5	904.4	898.3	914.1	902.7	909.7	909.7	905.1
60°	1040.7	1058.3	1081.3	1099.2	1115.7	1110.4	1131.0	1118.0	1127.3	1119.4	1115.5
62.5°	1234.8	1258.3	1285.5	1314.5	1331.2	1335.4	1332.4	1338.2	1329.1	1323.3	1308.2
65°	1328.2	1351.4	1375.1	1410.0	1414.6	1418.1	1416.7	1406.9	1395.8	1379.3	1359.6
67.5°	1250.6	1283.2	1296.4	1336.6	1350.0	1345.2	1346.8	1334.2	1316.8	1300.6	1271.5
70°	1037.0	1074.1	1081.1	1138.7	1154.7	1177.9	1169.6	1165.9	1146.8	1133.1	1101.1
72.5°	755.0	784.1	781.7	846.5	843.7	853.3	875.8	874.9	854.9	850.5	823.5
75°	464.7	482.1	481.2	527.2	507.9	505.1	511.4	508.6	489.8	470.3	453.6
77.5°	246.2	254.1	245.7	232.0	230.6	215.1	210.6	210.4	196.0	178.4	165.4
80°	207.4	199.3	189.5	169.5	157.9	147.5	137.7	128.7	118.9	105.9	90.1
82.5°	242.2	238.3	231.3	206.2	194.2	173.3	157.7	143.1	125.2	111.7	91.5
85°	118.0	117.7	123.3	120.8	116.4	115.4	100.1	96.8	89.6	82.2	68.7
87.5°	3.3	2.3	2.8	2.3	2.8	3.0	2.1	4.9	3.0	2.8	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P155233

CATALOG NUMBER: AVM-F01-LED-E-U-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
2.5°	34.4	34.1	33.9	33.9	33.7	33.7	33.4	33.2	33.2	33.0	33.0
5°	37.4	36.9	36.7	36.5	36.0	35.8	35.3	35.1	34.6	34.4	33.9
7.5°	41.1	40.6	39.7	39.2	38.6	38.3	37.2	36.7	36.2	35.8	35.1
10°	45.8	44.6	43.7	42.7	41.6	40.6	39.7	39.0	38.1	36.9	36.5
12.5°	51.6	49.9	48.5	46.9	45.5	44.1	42.5	41.3	39.9	38.8	37.6
15°	58.1	55.7	53.9	51.6	49.2	47.6	46.0	44.4	42.5	40.9	39.5
17.5°	65.5	62.5	59.9	57.1	54.6	52.3	49.5	47.4	45.3	43.0	41.1
20°	73.4	70.4	66.9	63.9	60.2	57.6	54.1	51.3	48.3	46.0	43.4
22.5°	83.8	79.9	75.5	71.3	67.4	63.4	59.7	56.2	52.5	49.0	46.4
25°	96.1	91.3	85.7	81.5	75.9	71.5	66.9	62.5	58.5	54.1	49.9
27.5°	111.5	105.0	98.9	93.1	87.1	81.5	75.5	70.4	65.0	59.9	55.3
30°	129.4	123.1	114.0	107.5	101.5	93.8	87.8	81.1	75.0	67.6	62.5
32.5°	153.0	144.9	135.4	126.8	118.9	110.3	102.0	93.4	85.5	78.7	71.1
35°	183.9	174.4	163.0	152.1	143.3	132.8	122.2	112.4	103.3	93.6	84.1
37.5°	223.0	214.1	201.8	188.6	176.7	164.2	153.0	139.3	127.3	115.4	103.3
40°	261.7	253.6	240.8	226.7	211.3	196.9	182.8	167.2	151.9	137.0	124.5
42.5°	309.6	297.5	283.8	267.8	252.9	235.7	218.1	200.2	181.8	164.0	146.1
45°	369.7	360.4	341.2	324.0	306.3	286.1	264.3	243.9	220.4	199.3	175.6
47.5°	442.9	426.2	412.0	396.2	374.1	354.6	326.8	302.6	273.4	245.3	216.9
50°	529.3	520.0	501.2	481.4	457.5	434.3	407.1	372.3	337.2	307.3	268.5
52.5°	630.3	617.1	605.2	584.8	560.4	530.7	499.8	461.9	419.0	376.7	335.4
55°	750.2	740.9	729.5	713.2	682.1	648.4	611.3	566.0	515.1	458.2	410.1
57.5°	904.8	895.1	884.2	850.7	829.6	788.2	734.4	687.4	632.6	559.7	500.0
60°	1115.9	1102.7	1087.4	1060.2	1016.1	962.4	904.6	835.2	768.0	688.4	610.1
62.5°	1296.4	1275.3	1242.5	1207.4	1154.5	1092.9	1020.3	938.5	862.1	772.4	685.4
65°	1333.6	1304.5	1266.0	1220.2	1165.6	1096.2	1020.3	942.0	852.1	767.8	680.2
67.5°	1236.9	1203.3	1163.8	1112.7	1060.7	989.1	923.6	844.0	759.4	686.5	608.3
70°	1078.1	1028.1	987.7	933.4	880.7	824.5	755.5	695.8	627.1	559.9	500.0
72.5°	809.6	760.4	723.7	680.2	648.9	589.4	538.8	494.2	453.6	403.4	359.1
75°	436.4	399.5	374.8	355.1	327.0	287.8	263.6	232.9	215.8	194.9	174.6
77.5°	142.4	125.4	107.1	89.2	76.6	57.6	55.7	44.4	41.8	40.6	31.4
80°	72.9	56.2	40.6	29.3	22.3	19.7	18.8	17.9	17.0	16.3	15.1
82.5°	73.2	53.0	36.5	25.3	18.3	15.3	14.4	13.9	13.2	12.5	11.6
85°	53.4	39.5	27.2	18.6	12.8	10.2	9.8	9.1	8.6	8.4	7.4
87.5°	3.5	2.6	2.3	2.1	2.1	2.1	2.3	2.1	2.3	2.3	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P155233

CATALOG NUMBER: AVM-F01-LED-E-U-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
2.5°	32.7	32.5	32.5	32.3	32.0	32.0	31.8	31.8	31.1	30.0	29.0
5°	33.7	33.2	33.0	32.7	32.5	32.0	31.8	31.6	30.4	28.1	26.2
7.5°	34.4	33.9	33.7	33.2	32.5	32.3	31.8	31.4	29.5	26.2	24.2
10°	35.5	34.8	34.1	33.4	32.7	32.3	31.6	31.1	28.3	24.6	22.5
12.5°	36.7	35.8	34.8	33.7	33.0	32.3	31.6	30.7	27.4	23.2	20.9
15°	38.1	36.7	35.5	34.4	33.2	32.3	31.1	30.4	26.5	22.1	20.0
17.5°	39.5	37.9	36.2	34.6	33.4	32.0	31.1	30.0	25.5	21.1	18.8
20°	41.1	38.8	37.2	35.3	33.7	32.0	30.7	29.5	24.6	20.0	17.7
22.5°	43.4	40.6	38.1	36.0	33.9	32.3	30.7	29.0	23.7	19.0	16.7
25°	46.4	43.0	39.9	37.4	34.8	32.7	30.9	29.3	23.0	18.3	15.6
27.5°	50.9	46.4	43.2	39.7	36.5	33.9	31.6	29.7	22.5	17.7	14.9
30°	56.2	51.8	46.7	42.5	39.0	35.5	33.0	30.2	22.1	17.0	13.9
32.5°	64.1	57.8	51.8	46.7	41.8	37.9	34.1	31.4	21.8	15.8	13.0
35°	75.5	66.9	59.7	53.0	46.2	41.3	36.9	33.2	21.6	14.9	12.1
37.5°	91.7	81.5	72.2	62.7	54.3	47.4	41.3	36.5	21.6	14.2	11.1
40°	109.2	95.9	84.1	72.2	61.5	52.7	44.6	38.6	21.1	13.2	10.2
42.5°	128.9	112.6	96.4	81.8	68.5	57.1	47.6	40.2	20.0	12.3	9.3
45°	155.4	134.0	114.5	95.7	78.5	63.6	51.6	42.0	18.8	11.6	8.4
47.5°	188.6	163.7	138.4	114.7	92.2	73.4	57.4	45.1	18.1	10.7	7.7
50°	238.1	202.8	169.3	139.1	110.5	85.9	66.0	49.5	17.4	10.0	7.0
52.5°	292.4	249.0	209.7	170.9	135.4	102.9	75.9	55.3	16.7	9.3	6.3
55°	358.6	305.2	257.3	206.9	161.4	122.6	88.3	61.8	15.8	8.6	5.8
57.5°	440.3	372.8	316.1	254.5	197.4	148.2	104.7	72.7	14.9	7.7	5.1
60°	531.6	455.2	383.9	311.7	242.5	182.1	129.1	88.3	13.9	6.7	4.4
62.5°	597.3	513.5	432.0	350.9	275.0	207.4	148.9	100.3	12.5	5.8	3.9
65°	596.6	511.6	429.7	349.8	275.9	208.3	149.6	102.7	11.1	5.1	3.5
67.5°	531.6	460.1	386.9	315.2	250.6	189.5	138.4	95.2	9.5	4.6	3.0
70°	437.3	380.4	322.6	265.7	213.9	162.3	119.6	82.9	8.1	4.2	2.6
72.5°	319.3	277.8	242.5	202.3	167.0	128.2	95.5	65.0	6.5	3.5	2.3
75°	158.6	141.9	121.7	109.2	93.1	76.2	59.2	37.9	5.3	2.8	2.1
77.5°	30.2	26.9	25.8	22.3	20.4	18.1	16.0	11.4	4.2	2.1	1.9
80°	13.9	12.8	11.6	10.5	9.3	7.9	7.0	6.0	3.3	1.6	2.1
82.5°	10.9	10.0	8.8	7.9	7.0	6.0	5.1	4.4	2.1	1.4	2.1
85°	7.2	6.3	5.6	4.9	4.2	3.7	3.3	2.8	1.4	1.4	1.4
87.5°	2.1	2.1	1.9	1.9	1.6	1.6	1.4	1.4	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P155233

CATALOG NUMBER: AVM-F01-LED-E-U-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	31.6	31.6	31.6	31.6	31.6	31.6	31.6
2.5°	28.1	26.9	26.5	26.2	26.2	26.5	26.2
5°	24.9	23.7	23.2	22.8	22.8	22.8	23.0
7.5°	22.8	21.6	20.9	20.7	20.4	20.7	20.7
10°	20.9	20.0	19.0	18.6	18.6	18.6	18.6
12.5°	19.5	18.3	17.4	17.2	17.0	17.0	17.0
15°	18.3	17.0	16.3	15.8	15.6	15.6	15.8
17.5°	17.0	15.8	14.9	14.6	14.6	14.6	14.6
20°	16.0	14.6	13.9	13.5	13.5	13.5	13.5
22.5°	14.9	13.7	12.8	12.3	12.3	12.3	12.3
25°	13.9	12.8	11.8	11.4	11.4	11.4	11.4
27.5°	13.0	11.8	10.9	10.5	10.5	10.5	10.5
30°	12.1	10.9	10.0	9.5	9.5	9.5	9.5
32.5°	11.4	10.0	9.1	8.6	8.6	8.8	8.6
35°	10.2	9.1	8.1	7.7	7.7	7.7	7.7
37.5°	9.3	8.1	7.2	6.7	6.7	6.7	6.5
40°	8.6	7.2	6.3	5.8	5.6	5.6	5.6
42.5°	7.4	6.0	5.3	4.9	4.6	4.6	4.6
45°	6.7	5.3	4.4	3.9	3.9	3.9	3.9
47.5°	6.0	4.6	3.7	3.3	3.3	3.5	3.5
50°	5.3	3.9	3.0	3.0	3.0	3.3	3.3
52.5°	4.6	3.5	2.8	2.8	3.0	3.3	3.3
55°	4.2	3.0	2.6	2.8	3.0	3.3	3.3
57.5°	3.7	2.6	2.6	2.8	3.0	3.3	3.3
60°	3.3	2.3	2.3	2.6	3.0	3.3	3.3
62.5°	2.8	2.3	2.3	2.6	3.0	3.3	3.3
65°	2.6	2.3	2.3	2.6	3.0	3.3	3.3
67.5°	2.3	2.1	2.3	2.6	2.8	3.0	3.0
70°	2.1	2.1	2.3	2.6	2.8	3.0	3.0
72.5°	2.1	2.1	2.1	2.3	2.6	2.8	2.8
75°	2.1	2.1	2.1	2.3	2.6	2.8	2.8
77.5°	2.1	1.9	1.9	2.1	2.6	2.8	2.8
80°	2.1	1.9	1.9	2.1	2.3	2.8	2.8
82.5°	1.6	1.6	1.9	2.1	2.3	2.6	2.6
85°	1.4	1.6	1.6	1.9	2.1	2.6	2.6
87.5°	1.2	1.2	1.4	1.6	1.9	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)