

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: P156274

Luminaire Tested: **AVM-F01-LED-E-U-T4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156274
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)
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-T4-HSS-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1458.2 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

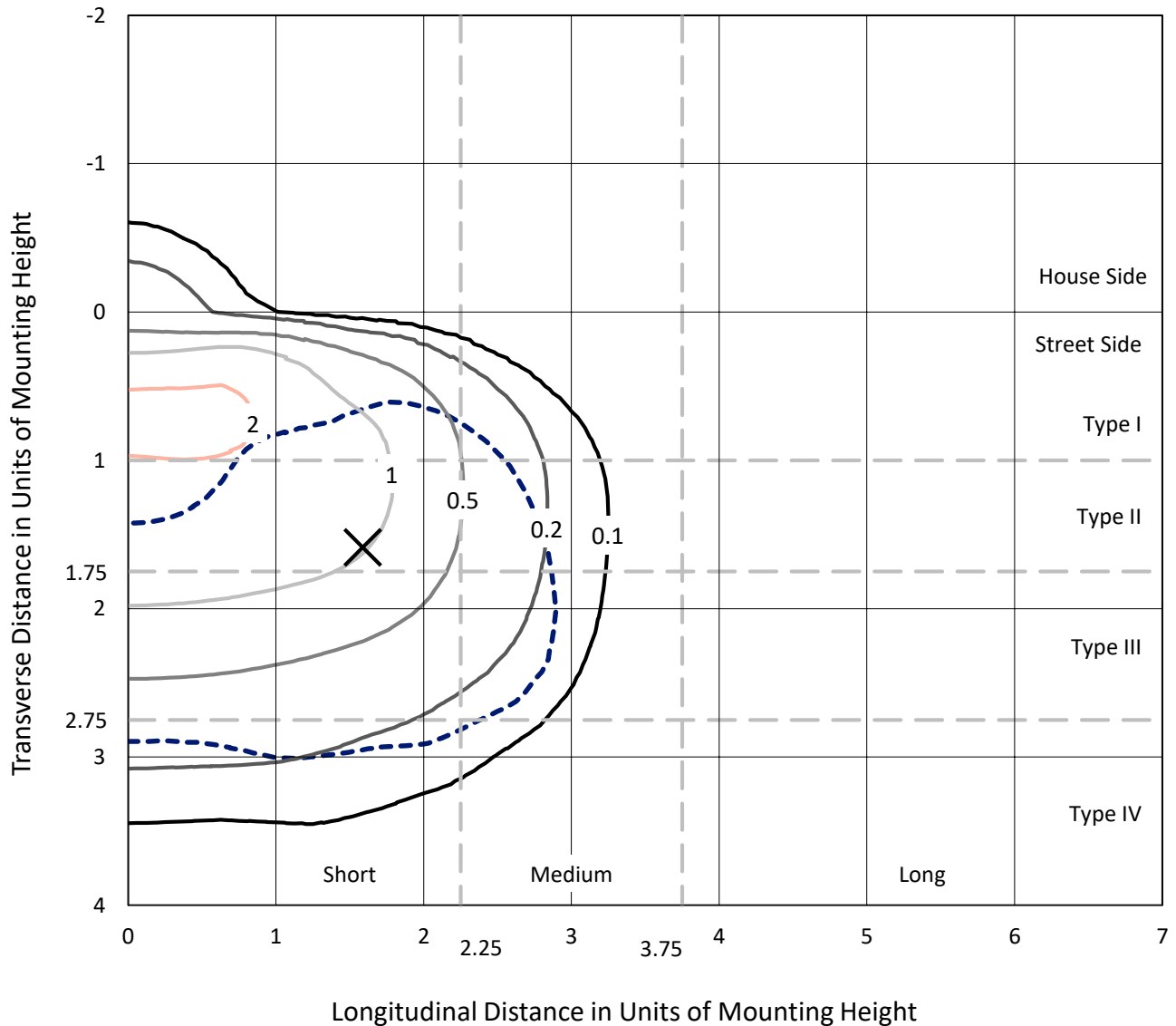
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P156274
 CATALOG NUMBER: AVM-F01-LED-E-U-T4-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

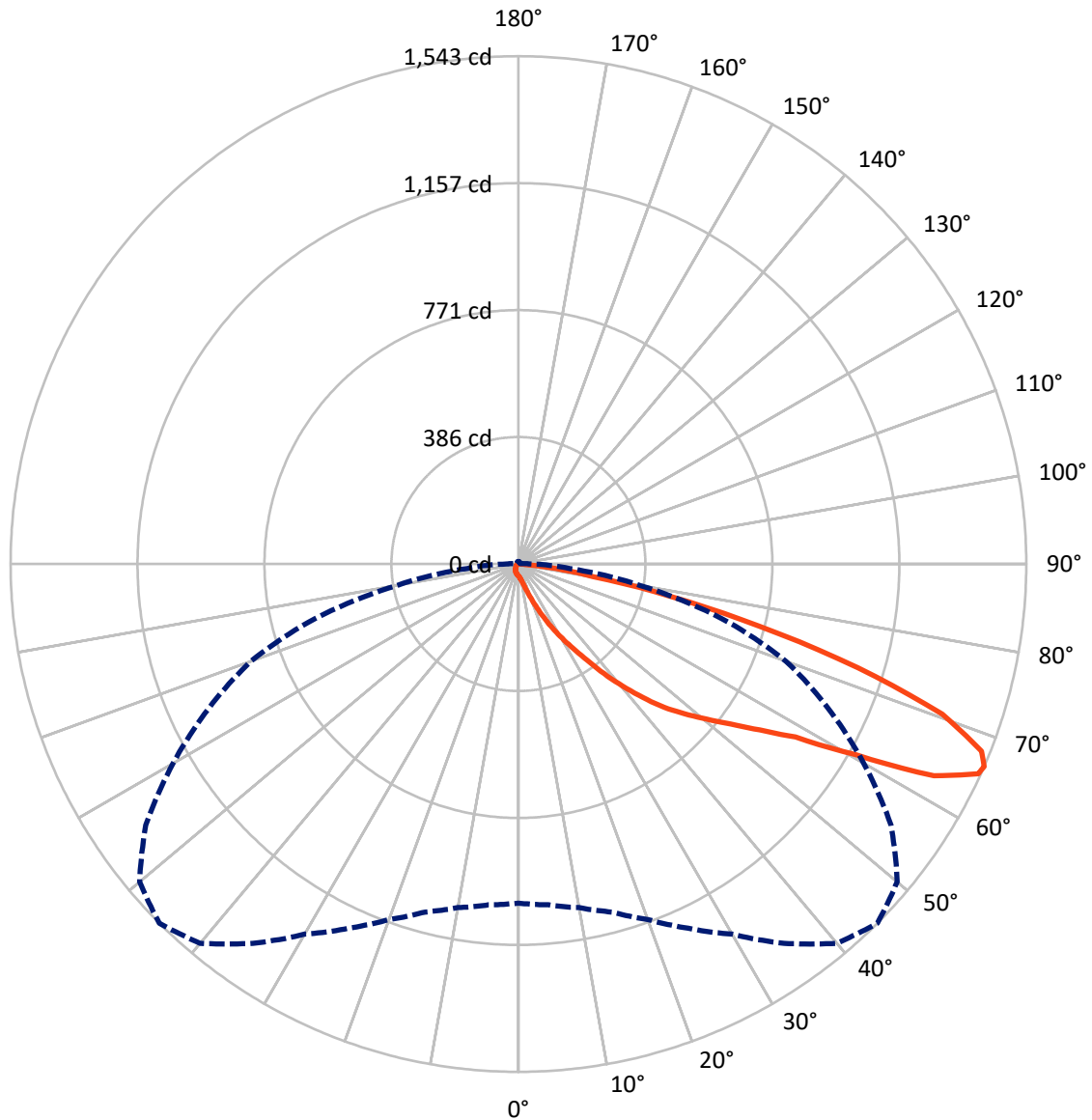
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P156274
CATALOG NUMBER: AVM-F01-LED-E-U-T4-HSS-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P156274

CATALOG NUMBER: AVM-F01-LED-E-U-T4-HSS-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33.0	0.0	33.0
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1425.2	0.0	1425.2
	% Fixture	97.7	0.0	97.7
Total	Lumens	1458.2	0.0	1458.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.3
10°-20°	14.9	1.0
20°-30°	43.6	3.0
30°-40°	101.8	7.0
40°-50°	191.2	13.1
50°-60°	316.8	21.7
60°-70°	502.9	34.5
70°-80°	260.1	17.8
80°-90°	23.5	1.6
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°	1458.2	100.0
0°-180°	1458.2	100.0



REPORT NUMBER: P156274

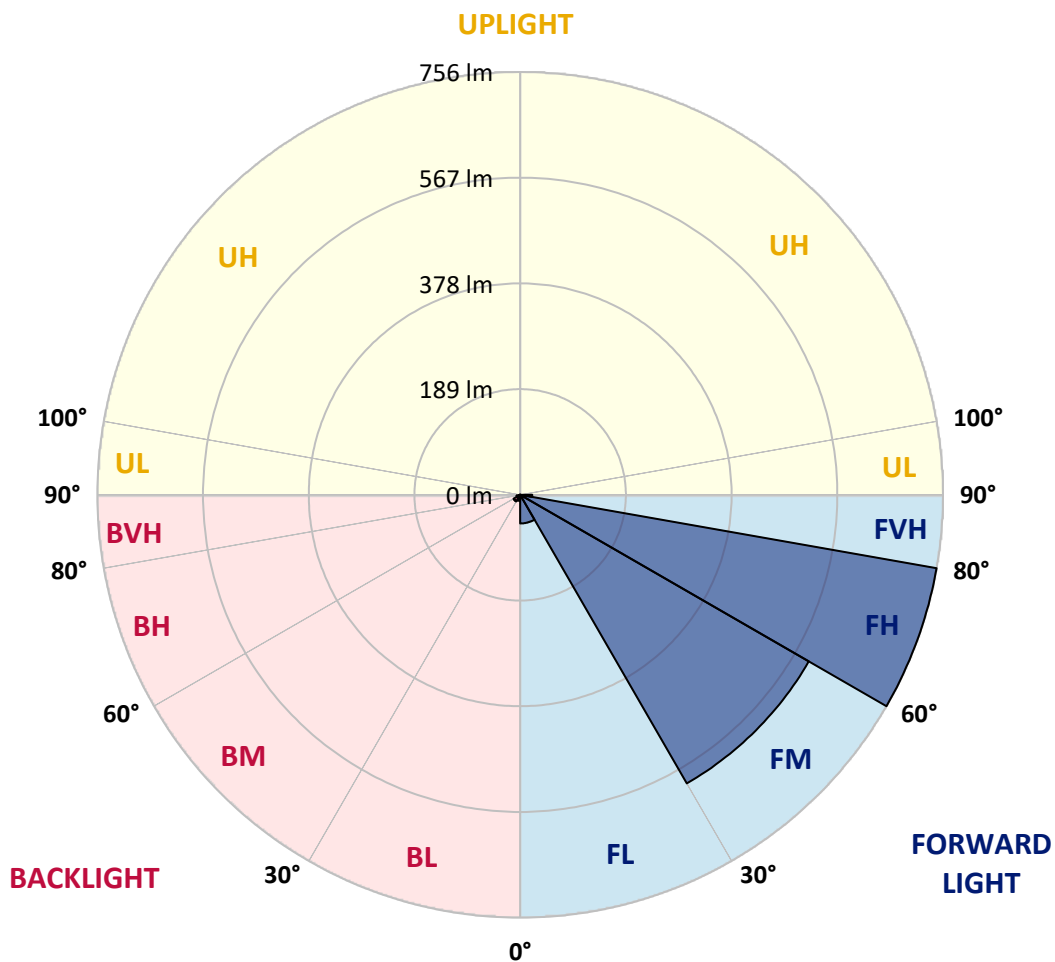
CATALOG NUMBER: AVM-F01-LED-E-U-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	51.3	3.5			
FM	(30°-60°)	596.0	40.9			
FH	(60°-80°)	756.3	51.9			G1/1800
FVH	(80°-90°)	21.6	1.5			G1/100
BL	(0°-30°)	10.8	0.7	B0/110		
BM	(30°-60°)	13.7	0.9	B0/220		
BH	(60°-80°)	6.7	0.5	B0/110		G0/110
BVH	(80°-90°)	1.9	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 IV Short





REPORT NUMBER: P156274

CATALOG NUMBER: AVM-F01-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
2.5°	39.5	39.5	39.5	39.5	39.2	39.0	38.7	38.5	38.2	38.2	38.0
5°	44.7	45.0	44.7	44.5	44.0	43.7	43.0	42.5	41.7	41.5	40.7
7.5°	52.0	51.8	52.0	51.3	50.3	50.0	49.0	47.8	46.7	45.2	44.2
10°	62.6	62.3	62.6	61.1	59.6	58.3	56.5	55.0	52.8	51.0	49.0
12.5°	79.4	79.4	78.9	76.9	74.9	72.1	69.4	66.1	62.1	58.6	55.3
15°	105.3	104.1	101.8	100.5	97.0	92.7	89.7	83.2	77.4	71.9	65.3
17.5°	136.5	134.0	132.2	129.4	124.9	119.4	114.4	104.8	99.0	90.0	80.7
20°	172.2	169.1	168.6	164.4	159.6	153.6	146.3	135.0	125.2	113.9	100.8
22.5°	208.6	209.1	207.1	204.1	199.3	192.3	181.0	170.7	158.6	144.3	127.4
25°	249.3	249.1	247.3	243.8	240.3	231.5	222.4	212.6	198.3	180.0	159.8
27.5°	287.5	287.3	283.0	283.3	276.5	273.2	264.4	253.8	236.5	221.2	199.3
30°	327.5	325.0	322.2	320.2	315.4	309.6	305.1	292.5	279.5	261.4	243.5
32.5°	367.9	365.2	365.9	363.4	359.7	353.9	347.1	336.8	322.7	305.1	288.5
35°	417.5	416.2	414.2	414.9	414.2	409.9	404.1	390.6	375.2	358.4	341.3
37.5°	454.2	452.9	454.2	459.4	460.7	463.5	459.2	452.4	441.3	423.0	405.1
40°	488.1	488.3	494.1	500.7	505.2	514.2	515.7	513.0	504.2	487.3	464.0
42.5°	518.5	522.3	527.5	538.4	548.2	561.0	570.5	572.0	565.5	554.4	530.8
45°	552.4	555.7	564.0	576.8	590.4	606.2	621.5	629.6	629.1	621.3	595.9
47.5°	590.4	594.6	603.7	614.3	632.3	650.2	670.0	684.4	690.4	679.6	655.0
50°	636.4	638.1	645.9	659.5	676.1	696.7	718.3	739.2	751.0	740.9	715.5
52.5°	690.9	691.4	698.7	711.3	724.6	747.2	768.3	797.2	812.6	807.0	776.6
55°	765.8	764.3	769.3	780.1	790.9	812.8	833.9	866.6	889.0	889.5	857.0
57.5°	868.1	864.6	867.8	876.4	888.5	908.8	935.5	964.4	994.3	992.3	965.6
60°	1010.6	1009.3	1015.4	1029.7	1050.3	1071.4	1101.6	1140.5	1166.9	1176.0	1148.1
62.5°	1105.4	1108.9	1122.7	1144.8	1184.5	1228.3	1284.3	1343.9	1394.1	1416.8	1378.3
65°	1064.6	1070.4	1092.0	1124.7	1177.2	1242.8	1317.2	1415.0	1501.7	1536.1	1496.2
66°	1030.2	1039.5	1059.9	1094.5	1149.3	1221.0	1298.6	1406.7	1504.2	1542.9	1502.2
67.5°	970.6	977.2	1000.3	1038.8	1097.6	1168.4	1252.4	1366.5	1476.6	1517.5	1477.1
70°	849.2	851.8	870.6	903.3	948.8	1021.4	1097.6	1207.4	1308.7	1366.2	1322.0
72.5°	632.1	635.6	666.8	726.3	785.4	826.6	871.6	959.6	1024.9	1078.7	1070.2
75°	304.1	305.6	326.5	413.4	528.5	577.8	619.5	687.6	712.5	757.5	750.7
77.5°	192.8	196.0	209.6	230.7	296.1	354.6	387.6	426.5	433.8	471.7	449.6
80°	53.0	61.6	75.1	110.6	189.8	226.2	241.0	239.5	241.0	229.5	221.9
82.5°	10.8	10.6	12.8	19.9	83.7	131.7	142.3	121.1	120.4	115.9	119.6
85°	2.8	2.5	3.0	6.3	14.3	39.0	49.0	27.4	20.9	19.9	17.6
87.5°	0.8	0.8	0.8	1.3	1.5	2.0	2.8	2.0	1.5	1.5	1.5
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: P156274

CATALOG NUMBER: AVM-F01-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
2.5°	37.7	37.7	37.4	37.2	37.2	36.9	36.7	36.4	36.2	35.9	35.7
5°	40.0	39.5	38.7	38.2	37.7	36.9	36.4	35.9	35.4	35.2	34.7
7.5°	43.0	41.7	40.7	39.2	38.2	37.2	36.2	35.4	34.7	34.2	33.7
10°	46.7	44.7	42.7	40.7	39.0	37.4	35.9	34.7	33.9	33.2	32.7
12.5°	51.5	48.5	45.7	42.7	40.0	37.7	35.7	34.2	33.2	32.4	31.7
15°	59.3	54.5	49.8	45.2	41.7	38.2	35.4	33.7	32.4	31.7	30.9
17.5°	71.6	63.1	55.5	49.3	43.5	39.0	35.4	33.2	31.7	30.7	29.9
20°	89.5	75.4	63.3	54.3	46.7	40.2	35.4	32.4	30.9	29.7	28.9
22.5°	110.6	93.0	76.4	61.3	50.5	42.0	35.4	31.7	29.9	28.9	27.9
25°	141.5	118.1	95.5	74.4	56.8	44.7	36.2	31.2	29.2	27.9	26.9
27.5°	177.7	149.5	121.4	91.7	66.4	48.8	37.2	30.7	28.4	26.9	25.9
30°	218.9	187.7	153.3	114.9	78.9	54.0	39.0	30.4	27.4	25.9	24.6
32.5°	263.6	230.7	193.0	144.5	97.5	62.1	41.2	30.2	26.4	24.6	23.1
35°	316.9	286.3	240.3	186.2	126.4	75.9	46.2	30.7	25.4	23.4	21.6
37.5°	375.2	342.6	293.8	230.5	155.1	91.5	50.0	29.9	23.6	21.6	19.9
40°	434.0	396.6	347.1	277.0	191.5	110.6	54.8	29.2	21.9	19.9	18.1
42.5°	491.4	451.9	398.1	324.7	230.0	133.2	60.8	29.2	20.6	18.1	16.3
45°	551.4	503.9	445.1	370.5	268.2	159.1	69.4	28.9	19.1	16.6	14.6
47.5°	608.2	551.9	484.3	410.7	309.1	187.5	79.2	29.2	17.8	15.1	13.3
50°	662.0	597.4	524.5	446.6	348.3	218.2	91.2	29.4	16.6	13.8	12.1
52.5°	720.8	649.2	567.8	483.6	387.0	249.1	105.3	29.9	15.3	12.6	11.1
55°	793.7	714.3	621.0	528.8	428.0	280.2	118.9	30.4	14.1	11.6	10.1
57.5°	898.8	808.3	707.5	596.7	482.3	315.7	133.0	31.7	13.1	10.8	9.3
60°	1069.7	961.8	845.5	714.8	563.5	363.7	153.3	34.4	11.8	9.8	8.8
62.5°	1275.3	1145.6	997.5	838.9	639.9	396.1	166.9	37.4	10.8	9.0	8.3
65°	1378.8	1215.4	1044.8	873.6	649.7	386.5	161.4	36.4	9.6	8.0	7.0
66°	1381.8	1211.7	1038.2	866.1	639.6	375.0	156.1	35.9	9.3	7.8	6.5
67.5°	1353.2	1179.2	1003.6	831.9	610.0	352.6	146.5	34.2	8.5	7.0	5.8
70°	1211.7	1042.3	881.2	722.6	524.8	297.1	122.9	30.2	7.5	6.3	5.3
72.5°	965.9	827.9	692.2	568.5	407.9	222.9	97.0	24.6	6.5	5.5	4.5
75°	674.6	561.2	457.9	369.7	256.4	133.5	62.8	17.3	5.5	4.5	3.8
77.5°	376.5	298.6	225.7	171.9	102.3	41.7	20.9	8.8	4.8	3.5	3.0
80°	191.5	142.0	108.1	79.7	47.3	21.6	10.6	5.8	3.8	2.8	2.5
82.5°	111.3	81.7	65.1	51.5	32.4	16.3	8.5	4.3	2.5	2.0	2.3
85°	24.9	32.9	27.9	23.6	17.3	10.3	6.0	2.8	1.8	1.8	2.0
87.5°	2.0	2.8	2.5	3.3	3.5	3.3	2.5	1.5	1.3	1.5	1.5
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: P156274

CATALOG NUMBER: AVM-F01-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
2.5°	35.4	35.2	35.2	34.9	34.7	34.7	34.7	34.4	34.7	34.7	34.7
5°	34.4	34.2	33.9	33.7	33.4	33.2	33.2	32.9	32.9	32.9	33.2
7.5°	33.4	32.9	32.7	32.2	31.9	31.7	31.7	31.4	31.4	31.4	31.4
10°	32.2	31.7	31.2	30.9	30.7	30.2	30.2	29.9	29.7	29.7	29.7
12.5°	31.2	30.7	30.2	29.7	29.2	28.9	28.7	28.4	28.1	28.1	28.1
15°	30.2	29.4	28.9	28.4	27.9	27.4	27.1	26.9	26.6	26.4	26.4
17.5°	29.2	28.4	27.6	27.1	26.6	26.1	25.9	25.1	25.1	24.9	24.9
20°	27.9	27.1	26.4	25.9	25.4	24.9	24.4	23.9	23.4	23.1	23.1
22.5°	26.9	26.1	25.4	24.6	23.9	23.1	22.6	22.1	21.9	21.6	21.4
25°	25.9	24.9	23.9	23.1	22.4	21.6	21.1	20.6	20.1	19.9	19.9
27.5°	24.6	23.6	22.6	21.6	20.9	20.1	19.6	18.8	18.6	18.3	18.1
30°	23.4	22.1	21.1	20.1	19.4	18.3	17.8	17.3	16.8	16.8	16.6
32.5°	21.9	20.6	19.6	18.6	17.6	16.8	16.3	15.8	15.6	15.1	15.1
35°	20.4	19.1	17.8	16.8	16.1	15.3	14.8	14.3	13.8	13.6	13.6
37.5°	18.6	17.3	16.3	15.3	14.6	13.8	13.3	12.8	12.6	12.3	12.1
40°	16.6	15.3	14.6	13.8	13.1	12.6	11.8	11.3	11.1	10.8	10.6
42.5°	14.8	13.6	13.1	12.6	11.8	11.3	10.6	10.1	9.6	9.3	9.0
45°	13.3	12.3	11.8	11.3	10.6	9.8	9.3	8.8	8.3	8.0	8.0
47.5°	11.8	11.1	10.6	10.1	9.3	8.8	8.0	7.8	7.3	7.3	7.3
50°	10.8	10.1	9.6	9.0	8.5	7.8	7.3	7.0	6.8	6.8	7.0
52.5°	10.1	9.3	8.8	8.3	7.8	7.3	6.8	6.5	6.5	6.8	7.0
55°	9.3	8.5	8.0	7.5	7.0	6.8	6.3	6.3	6.5	6.8	7.0
57.5°	8.8	7.8	7.3	7.0	6.5	6.3	6.3	6.3	6.5	6.8	7.3
60°	8.0	7.0	6.5	6.5	6.0	6.0	6.0	6.3	6.5	7.0	7.3
62.5°	7.0	6.3	6.0	6.0	5.8	5.8	6.0	6.3	6.8	7.0	7.3
65°	6.0	5.5	5.5	5.5	5.5	5.8	6.0	6.3	6.5	7.0	7.3
66°	5.5	5.3	5.3	5.5	5.5	5.8	6.0	6.3	6.5	6.8	7.0
67.5°	5.3	5.0	5.0	5.3	5.5	5.5	5.8	6.3	6.5	6.8	6.8
70°	4.5	4.5	4.5	5.0	5.3	5.5	5.8	6.0	6.3	6.5	6.8
72.5°	4.0	4.0	4.3	4.5	5.0	5.3	5.5	5.8	6.3	6.5	6.5
75°	3.5	3.5	4.0	4.3	4.8	5.0	5.5	5.8	6.0	6.3	6.3
77.5°	3.0	3.3	3.8	4.3	4.5	5.0	5.3	5.5	5.8	6.0	6.0
80°	2.8	3.3	3.8	4.0	4.3	4.5	4.8	5.3	5.5	5.8	6.0
82.5°	2.8	3.0	3.5	3.8	4.0	4.5	4.8	5.0	5.3	5.5	5.8
85°	2.3	2.8	3.0	3.5	3.8	4.3	4.5	4.5	4.8	5.0	5.3
87.5°	1.8	2.0	2.0	2.5	2.8	3.3	3.8	3.8	4.0	4.3	4.5
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: P156274

CATALOG NUMBER: AVM-F01-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	36.4	36.4	36.4	36.4
2.5°	34.7	34.9	34.9	34.9
5°	33.2	33.2	33.2	33.2
7.5°	31.4	31.4	31.4	31.4
10°	29.7	29.7	29.9	29.7
12.5°	28.1	27.9	27.9	27.9
15°	26.4	26.4	26.1	26.4
17.5°	24.6	24.6	24.4	24.4
20°	22.9	22.9	22.9	22.9
22.5°	21.4	21.1	21.1	21.1
25°	19.6	19.6	19.6	19.6
27.5°	18.1	18.1	18.1	18.1
30°	16.6	16.6	16.3	16.3
32.5°	15.1	15.1	15.1	15.1
35°	13.6	13.6	13.3	13.3
37.5°	11.8	11.8	11.8	11.8
40°	10.3	10.3	10.3	10.3
42.5°	9.0	9.0	8.8	8.8
45°	7.8	7.8	7.8	7.8
47.5°	7.3	7.3	7.3	7.3
50°	7.0	7.3	7.3	7.3
52.5°	7.3	7.3	7.3	7.3
55°	7.3	7.5	7.5	7.5
57.5°	7.3	7.5	7.5	7.8
60°	7.5	7.8	7.8	7.8
62.5°	7.5	7.8	7.8	7.8
65°	7.3	7.5	7.5	7.5
66°	7.3	7.3	7.3	7.5
67.5°	7.0	7.3	7.3	7.3
70°	6.8	7.0	7.0	7.3
72.5°	6.8	7.0	7.0	7.0
75°	6.5	6.5	6.8	6.8
77.5°	6.3	6.3	6.5	6.5
80°	6.0	6.3	6.3	6.3
82.5°	5.8	6.0	6.0	6.0
85°	5.3	5.5	5.5	5.5
87.5°	4.5	4.5	4.8	4.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)