

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: P156318

Luminaire Tested: **AVM-E06-LED-E-U-T4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156318
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-E06-LED-E-U-T4-HSS-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9793.9 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G3

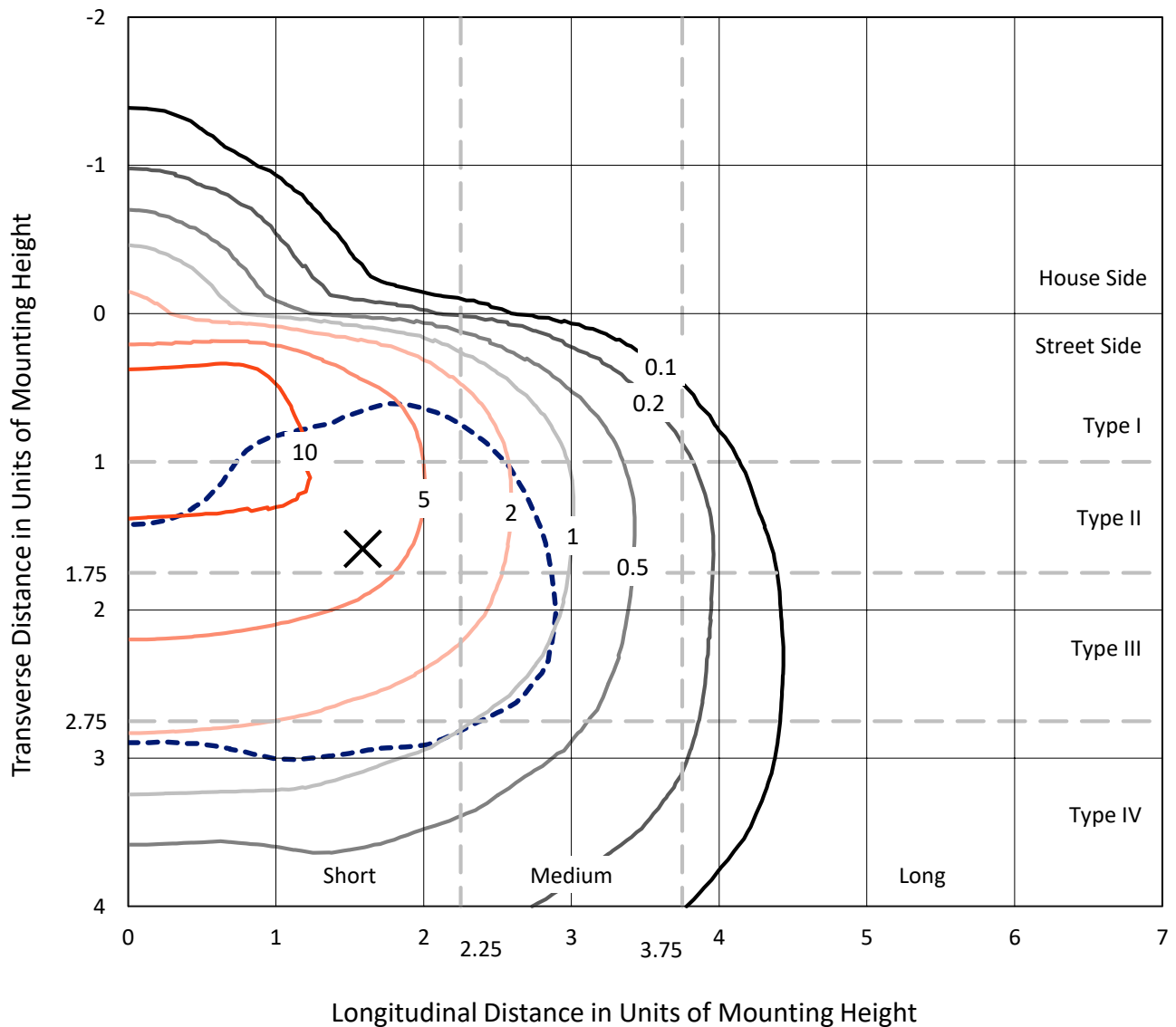
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P156318
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Iso-Footcandle Lines of Horizontal Illumination

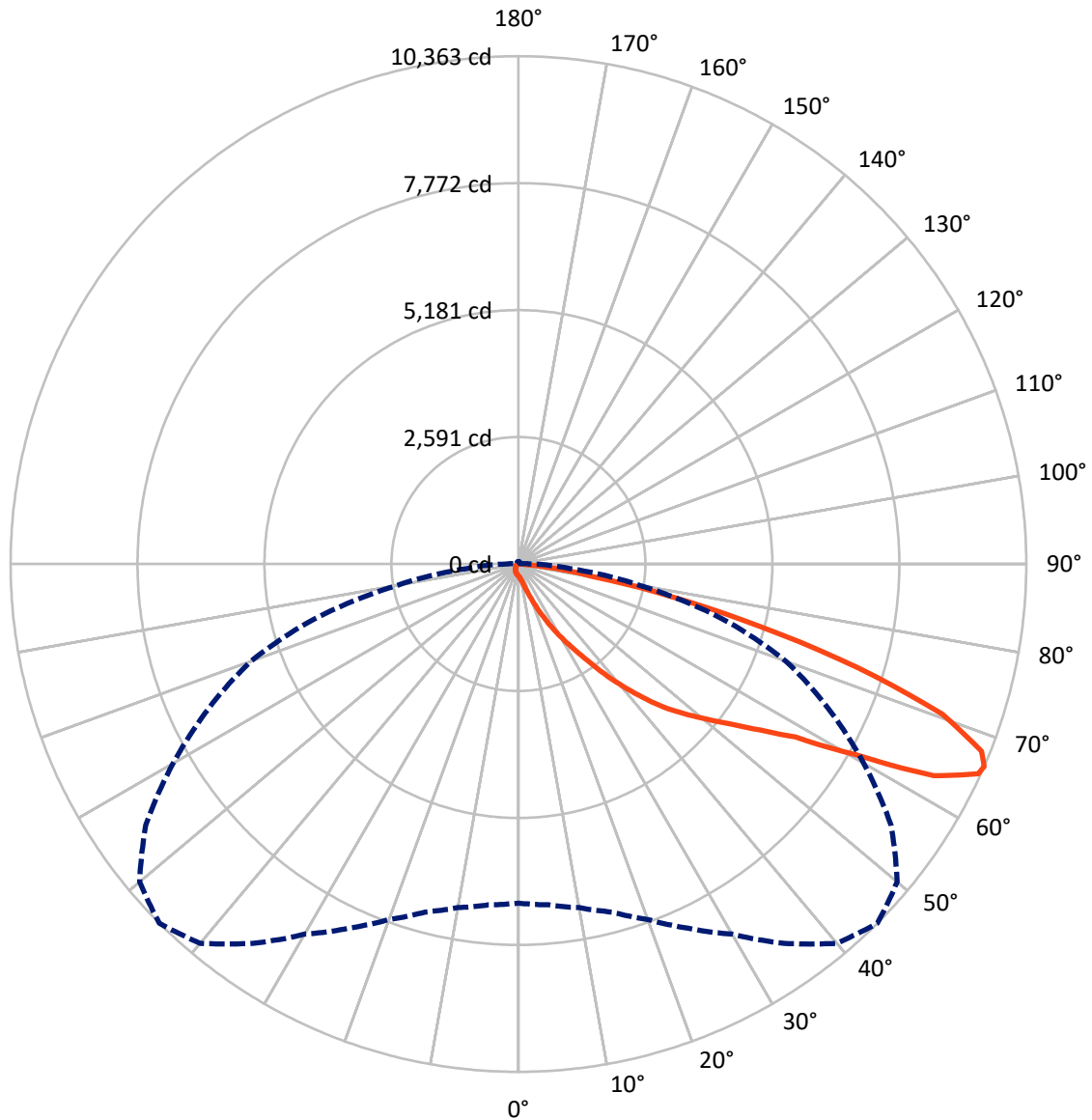
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P156318
CATALOG NUMBER: AVM-E06-LED-E-U-T4-HSS-8030

Luminous Intensity Polar Plot



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



REPORT NUMBER: P156318

CATALOG NUMBER: AVM-E06-LED-E-U-T4-HSS-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	222.0	0.0	222.0
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	9571.9	0.0	9571.9
	% Fixture	97.7	0.0	97.7
Total	Lumens	9793.9	0.0	9793.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.6	0.3
10°-20°	99.9	1.0
20°-30°	292.6	3.0
30°-40°	683.5	7.0
40°-50°	1283.8	13.1
50°-60°	2127.5	21.7
60°-70°	3377.5	34.5
70°-80°	1746.7	17.8
80°-90°	157.8	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°	9793.9	100.0
0°-180°	9793.9	100.0



REPORT NUMBER: P156318

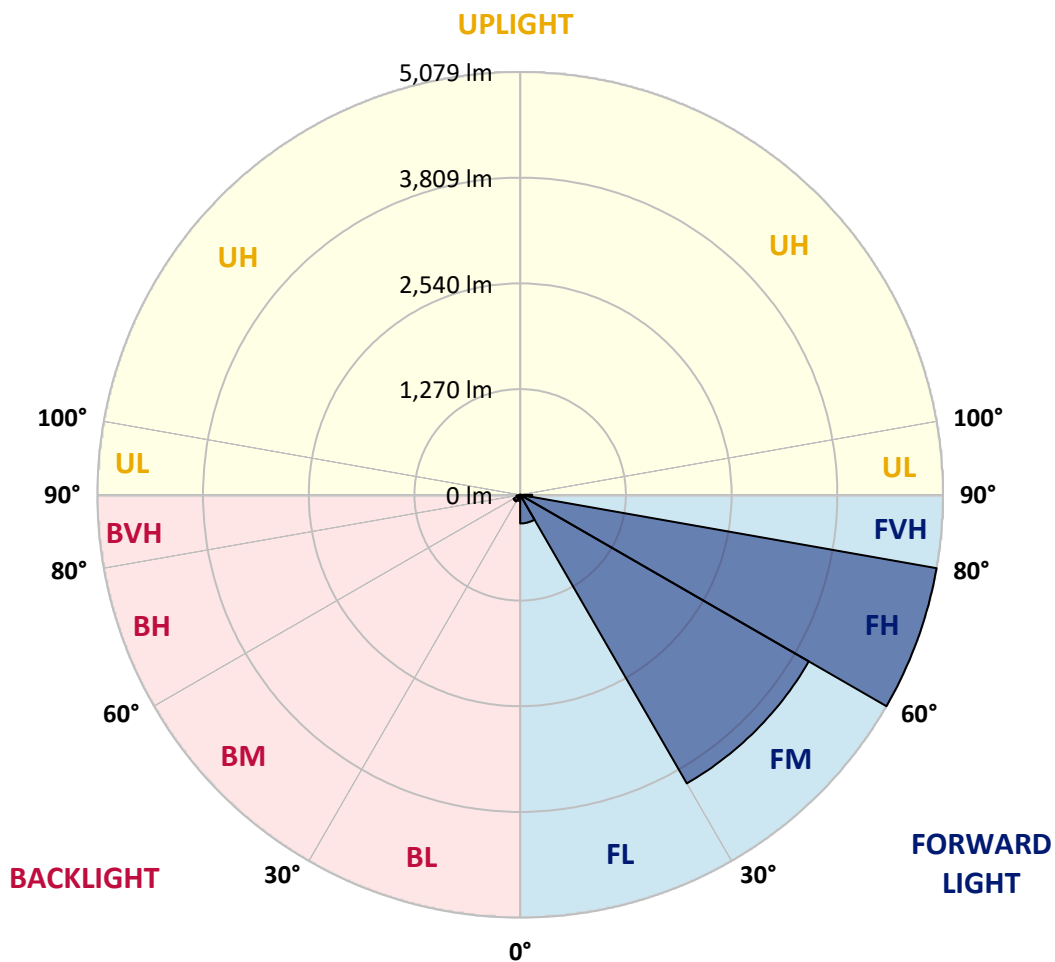
CATALOG NUMBER: AVM-E06-LED-E-U-T4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	344.6	3.5			
FM	(30°-60°)	4002.8	40.9			
FH	(60°-80°)	5079.2	51.9			G3/7500
FVH	(80°-90°)	145.3	1.5			G2/225
BL	(0°-30°)	72.5	0.7	B0/110		
BM	(30°-60°)	92.1	0.9	B0/220		
BH	(60°-80°)	45.0	0.5	B0/110		G0/110
BVH	(80°-90°)	12.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type IV Short





REPORT NUMBER: P156318
 CATALOG NUMBER: AVM-E06-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2.5°	265.0	265.0	265.0	265.0	263.3	261.6	259.9	258.3	256.6	256.6	254.9
5°	300.5	302.1	300.5	298.8	295.4	293.7	288.6	285.3	280.2	278.5	273.5
7.5°	349.4	347.7	349.4	344.3	337.6	335.9	329.2	320.7	314.0	303.8	297.1
10°	420.3	418.6	420.3	410.2	400.1	391.6	379.8	369.7	354.5	342.7	329.2
12.5°	533.4	533.4	530.0	516.5	503.0	484.5	465.9	443.9	416.9	393.3	371.4
15°	707.3	698.8	683.6	675.2	651.6	622.9	602.6	558.7	519.9	482.8	438.9
17.5°	916.6	899.7	887.9	869.3	838.9	801.8	768.0	703.9	665.1	604.3	541.8
20°	1156.3	1136.0	1132.6	1103.9	1071.9	1031.4	982.4	906.4	840.6	764.7	676.9
22.5°	1401.0	1404.4	1390.9	1370.6	1338.6	1291.3	1215.3	1146.1	1065.1	968.9	855.8
25°	1674.5	1672.8	1661.0	1637.3	1613.7	1554.6	1493.9	1428.0	1331.8	1208.6	1073.6
27.5°	1931.1	1929.4	1900.7	1902.4	1856.8	1834.8	1775.8	1704.9	1588.4	1485.4	1338.6
30°	2199.4	2182.6	2164.0	2150.5	2118.4	2079.6	2049.2	1964.8	1877.0	1755.5	1635.7
32.5°	2471.2	2452.6	2457.7	2440.8	2415.5	2376.7	2331.1	2261.9	2167.4	2049.2	1937.8
35°	2803.7	2795.3	2781.8	2786.9	2781.8	2753.1	2714.3	2623.1	2520.2	2407.1	2292.3
37.5°	3050.2	3041.7	3050.2	3085.6	3094.1	3112.6	3083.9	3038.4	2964.1	2840.9	2721.0
40°	3278.1	3279.7	3318.6	3362.5	3392.8	3453.6	3463.7	3445.2	3386.1	3273.0	3116.0
42.5°	3482.3	3507.6	3543.1	3615.7	3681.5	3767.6	3831.7	3841.8	3798.0	3723.7	3565.0
45°	3710.2	3732.1	3787.8	3873.9	3965.1	4071.4	4174.4	4228.4	4225.0	4172.7	4002.2
47.5°	3965.1	3993.8	4054.5	4125.4	4247.0	4366.8	4500.2	4596.4	4636.9	4564.3	4398.9
50°	4274.0	4285.8	4338.1	4429.3	4540.7	4679.1	4824.3	4964.4	5043.7	4976.2	4805.7
52.5°	4640.3	4643.6	4692.6	4777.0	4866.5	5018.4	5160.2	5354.3	5457.2	5420.1	5215.9
55°	5143.3	5133.2	5166.9	5239.5	5312.1	5458.9	5600.7	5820.2	5970.4	5973.8	5756.0
57.5°	5830.3	5806.7	5828.6	5886.0	5967.0	6103.7	6282.7	6476.8	6677.7	6664.2	6485.2
60°	6787.4	6778.9	6819.4	6915.7	7054.1	7195.9	7398.4	7660.1	7837.3	7898.1	7710.7
62.5°	7423.7	7447.4	7540.2	7688.8	7955.5	8249.2	8625.6	9025.6	9363.2	9515.2	9256.9
65°	7150.3	7189.1	7334.3	7553.7	7906.5	8347.1	8846.7	9503.3	10085.7	10316.9	10048.6
66°	6919.0	6981.5	7118.2	7351.2	7719.1	8200.2	8721.8	9447.6	10102.6	10362.5	10089.1
67.5°	6519.0	6562.9	6718.2	6976.4	7371.4	7847.4	8411.2	9177.6	9916.9	10192.0	9920.3
70°	5703.7	5720.6	5847.2	6066.6	6372.1	6860.0	7371.4	8109.1	8789.3	9175.9	8878.8
72.5°	4245.3	4268.9	4478.2	4878.3	5274.9	5551.8	5853.9	6444.7	6883.6	7244.8	7187.4
75°	2042.5	2052.6	2192.7	2776.7	3549.8	3880.7	4160.9	4618.3	4785.4	5087.6	5042.0
77.5°	1294.7	1316.6	1407.8	1549.6	1988.4	2381.7	2602.9	2864.5	2913.5	3168.3	3019.8
80°	356.2	413.6	504.7	742.7	1274.4	1519.2	1618.8	1608.6	1618.8	1541.1	1490.5
82.5°	72.6	70.9	86.1	133.4	562.1	884.5	955.4	813.6	808.5	778.2	803.5
85°	18.6	16.9	20.3	42.2	96.2	261.6	329.2	184.0	140.1	133.4	118.2
87.5°	5.1	5.1	5.1	8.4	10.1	13.5	18.6	13.5	10.1	10.1	10.1
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: P156318

CATALOG NUMBER: AVM-E06-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2.5°	253.2	253.2	251.5	249.8	249.8	248.1	246.4	244.8	243.1	241.4	239.7
5°	268.4	265.0	259.9	256.6	253.2	248.1	244.8	241.4	238.0	236.3	232.9
7.5°	288.6	280.2	273.5	263.3	256.6	249.8	243.1	238.0	232.9	229.6	226.2
10°	314.0	300.5	287.0	273.5	261.6	251.5	241.4	232.9	227.9	222.8	219.4
12.5°	346.0	325.8	307.2	287.0	268.4	253.2	239.7	229.6	222.8	217.7	212.7
15°	398.4	366.3	334.2	303.8	280.2	256.6	238.0	226.2	217.7	212.7	207.6
17.5°	481.1	423.7	373.0	330.8	292.0	261.6	238.0	222.8	212.7	205.9	200.9
20°	600.9	506.4	425.4	364.6	314.0	270.1	238.0	217.7	207.6	199.2	194.1
22.5°	742.7	624.6	513.1	411.9	339.3	281.9	238.0	212.7	200.9	194.1	187.4
25°	950.3	793.4	641.4	499.6	381.5	300.5	243.1	209.3	195.8	187.4	180.6
27.5°	1193.4	1004.3	815.3	616.1	445.6	327.5	249.8	205.9	190.7	180.6	173.9
30°	1470.2	1260.9	1029.7	771.4	530.0	362.9	261.6	204.2	184.0	173.9	165.4
32.5°	1770.7	1549.6	1296.4	970.6	654.9	416.9	276.8	202.6	177.2	165.4	155.3
35°	2128.5	1922.6	1613.7	1250.8	849.1	509.8	310.6	205.9	170.5	157.0	145.2
37.5°	2520.2	2300.7	1973.3	1547.9	1041.5	614.4	335.9	200.9	158.7	145.2	133.4
40°	2915.1	2663.6	2331.1	1860.2	1286.2	742.7	368.0	195.8	146.9	133.4	121.5
42.5°	3300.0	3035.0	2673.8	2180.9	1544.5	894.6	408.5	195.8	138.4	121.5	109.7
45°	3703.4	3384.4	2989.4	2488.1	1801.1	1068.5	465.9	194.1	128.3	111.4	97.9
47.5°	4084.9	3706.8	3252.7	2758.2	2076.2	1259.2	531.7	195.8	119.8	101.3	89.5
50°	4446.1	4012.3	3522.8	2999.5	2339.5	1465.2	612.7	197.5	111.4	92.8	81.0
52.5°	4841.1	4360.1	3813.2	3247.7	2599.5	1672.8	707.3	200.9	103.0	84.4	74.3
55°	5330.6	4797.2	4171.0	3551.5	2874.6	1882.1	798.4	204.2	94.5	77.6	67.5
57.5°	6036.2	5428.5	4751.7	4007.3	3239.2	2120.1	892.9	212.7	87.8	72.6	62.5
60°	7184.1	6459.9	5678.4	4800.6	3784.5	2442.5	1029.7	231.3	79.3	65.8	59.1
62.5°	8564.8	7693.8	6699.6	5634.5	4297.6	2660.3	1120.8	251.5	72.6	60.8	55.7
65°	9260.3	8163.1	7016.9	5867.4	4363.4	2596.1	1083.7	244.8	64.1	54.0	47.3
66°	9280.5	8137.8	6973.1	5816.8	4295.9	2518.5	1048.2	241.4	62.5	52.3	43.9
67.5°	9088.1	7920.0	6740.1	5587.2	4096.7	2368.2	984.1	229.6	57.4	47.3	38.8
70°	8137.8	7000.1	5918.1	4852.9	3524.5	1995.2	825.4	202.6	50.6	42.2	35.4
72.5°	6486.9	5560.2	4648.7	3818.2	2739.6	1497.2	651.6	165.4	43.9	37.1	30.4
75°	4530.5	3769.3	3075.5	2483.0	1721.7	896.3	422.0	116.5	37.1	30.4	25.3
77.5°	2528.6	2005.3	1515.8	1154.6	687.0	280.2	140.1	59.1	32.1	23.6	20.3
80°	1286.2	953.7	725.8	535.1	317.3	145.2	70.9	38.8	25.3	18.6	16.9
82.5°	747.8	548.6	437.2	346.0	217.7	109.7	57.4	28.7	16.9	13.5	15.2
85°	167.1	221.1	187.4	158.7	116.5	69.2	40.5	18.6	11.8	11.8	13.5
87.5°	13.5	18.6	16.9	21.9	23.6	21.9	16.9	10.1	8.4	10.1	10.1
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: P156318
 CATALOG NUMBER: AVM-E06-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8	244.8
2.5°	238.0	236.3	236.3	234.6	232.9	232.9	232.9	231.3	232.9	232.9	232.9
5°	231.3	229.6	227.9	226.2	224.5	222.8	222.8	221.1	221.1	221.1	222.8
7.5°	224.5	221.1	219.4	216.1	214.4	212.7	212.7	211.0	211.0	211.0	211.0
10°	216.1	212.7	209.3	207.6	205.9	202.6	202.6	200.9	199.2	199.2	199.2
12.5°	209.3	205.9	202.6	199.2	195.8	194.1	192.4	190.7	189.1	189.1	189.1
15°	202.6	197.5	194.1	190.7	187.4	184.0	182.3	180.6	178.9	177.2	177.2
17.5°	195.8	190.7	185.7	182.3	178.9	175.6	173.9	168.8	168.8	167.1	167.1
20°	187.4	182.3	177.2	173.9	170.5	167.1	163.7	160.4	157.0	155.3	155.3
22.5°	180.6	175.6	170.5	165.4	160.4	155.3	151.9	148.5	146.9	145.2	143.5
25°	173.9	167.1	160.4	155.3	150.2	145.2	141.8	138.4	135.0	133.4	133.4
27.5°	165.4	158.7	151.9	145.2	140.1	135.0	131.7	126.6	124.9	123.2	121.5
30°	157.0	148.5	141.8	135.0	130.0	123.2	119.8	116.5	113.1	113.1	111.4
32.5°	146.9	138.4	131.7	124.9	118.2	113.1	109.7	106.3	104.7	101.3	101.3
35°	136.7	128.3	119.8	113.1	108.0	103.0	99.6	96.2	92.8	91.2	91.2
37.5°	124.9	116.5	109.7	103.0	97.9	92.8	89.5	86.1	84.4	82.7	81.0
40°	111.4	103.0	97.9	92.8	87.8	84.4	79.3	76.0	74.3	72.6	70.9
42.5°	99.6	91.2	87.8	84.4	79.3	76.0	70.9	67.5	64.1	62.5	60.8
45°	89.5	82.7	79.3	76.0	70.9	65.8	62.5	59.1	55.7	54.0	54.0
47.5°	79.3	74.3	70.9	67.5	62.5	59.1	54.0	52.3	49.0	49.0	49.0
50°	72.6	67.5	64.1	60.8	57.4	52.3	49.0	47.3	45.6	45.6	47.3
52.5°	67.5	62.5	59.1	55.7	52.3	49.0	45.6	43.9	43.9	45.6	47.3
55°	62.5	57.4	54.0	50.6	47.3	45.6	42.2	42.2	43.9	45.6	47.3
57.5°	59.1	52.3	49.0	47.3	43.9	42.2	42.2	42.2	43.9	45.6	49.0
60°	54.0	47.3	43.9	43.9	40.5	40.5	40.5	42.2	43.9	47.3	49.0
62.5°	47.3	42.2	40.5	40.5	38.8	38.8	40.5	42.2	45.6	47.3	49.0
65°	40.5	37.1	37.1	37.1	37.1	38.8	40.5	42.2	43.9	47.3	49.0
66°	37.1	35.4	35.4	37.1	37.1	38.8	40.5	42.2	43.9	45.6	47.3
67.5°	35.4	33.8	33.8	35.4	37.1	37.1	38.8	42.2	43.9	45.6	45.6
70°	30.4	30.4	30.4	33.8	35.4	37.1	38.8	40.5	42.2	43.9	45.6
72.5°	27.0	27.0	28.7	30.4	33.8	35.4	37.1	38.8	42.2	43.9	43.9
75°	23.6	23.6	27.0	28.7	32.1	33.8	37.1	38.8	40.5	42.2	42.2
77.5°	20.3	21.9	25.3	28.7	30.4	33.8	35.4	37.1	38.8	40.5	40.5
80°	18.6	21.9	25.3	27.0	28.7	30.4	32.1	35.4	37.1	38.8	40.5
82.5°	18.6	20.3	23.6	25.3	27.0	30.4	32.1	33.8	35.4	37.1	38.8
85°	15.2	18.6	20.3	23.6	25.3	28.7	30.4	30.4	32.1	33.8	35.4
87.5°	11.8	13.5	13.5	16.9	18.6	21.9	25.3	25.3	27.0	28.7	30.4
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: P156318

CATALOG NUMBER: AVM-E06-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	244.8	244.8	244.8	244.8
2.5°	232.9	234.6	234.6	234.6
5°	222.8	222.8	222.8	222.8
7.5°	211.0	211.0	211.0	211.0
10°	199.2	199.2	200.9	199.2
12.5°	189.1	187.4	187.4	187.4
15°	177.2	177.2	175.6	177.2
17.5°	165.4	165.4	163.7	163.7
20°	153.6	153.6	153.6	153.6
22.5°	143.5	141.8	141.8	141.8
25°	131.7	131.7	131.7	131.7
27.5°	121.5	121.5	121.5	121.5
30°	111.4	111.4	109.7	109.7
32.5°	101.3	101.3	101.3	101.3
35°	91.2	91.2	89.5	89.5
37.5°	79.3	79.3	79.3	79.3
40°	69.2	69.2	69.2	69.2
42.5°	60.8	60.8	59.1	59.1
45°	52.3	52.3	52.3	52.3
47.5°	49.0	49.0	49.0	49.0
50°	47.3	49.0	49.0	49.0
52.5°	49.0	49.0	49.0	49.0
55°	49.0	50.6	50.6	50.6
57.5°	49.0	50.6	50.6	52.3
60°	50.6	52.3	52.3	52.3
62.5°	50.6	52.3	52.3	52.3
65°	49.0	50.6	50.6	50.6
66°	49.0	49.0	49.0	50.6
67.5°	47.3	49.0	49.0	49.0
70°	45.6	47.3	47.3	49.0
72.5°	45.6	47.3	47.3	47.3
75°	43.9	43.9	45.6	45.6
77.5°	42.2	42.2	43.9	43.9
80°	40.5	42.2	42.2	42.2
82.5°	38.8	40.5	40.5	40.5
85°	35.4	37.1	37.1	37.1
87.5°	30.4	30.4	32.1	32.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)