

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: P156288

Luminaire Tested: **AVM-E03-LED-E-U-T4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156288
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-E03-LED-E-U-T4-HSS-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4896.9 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

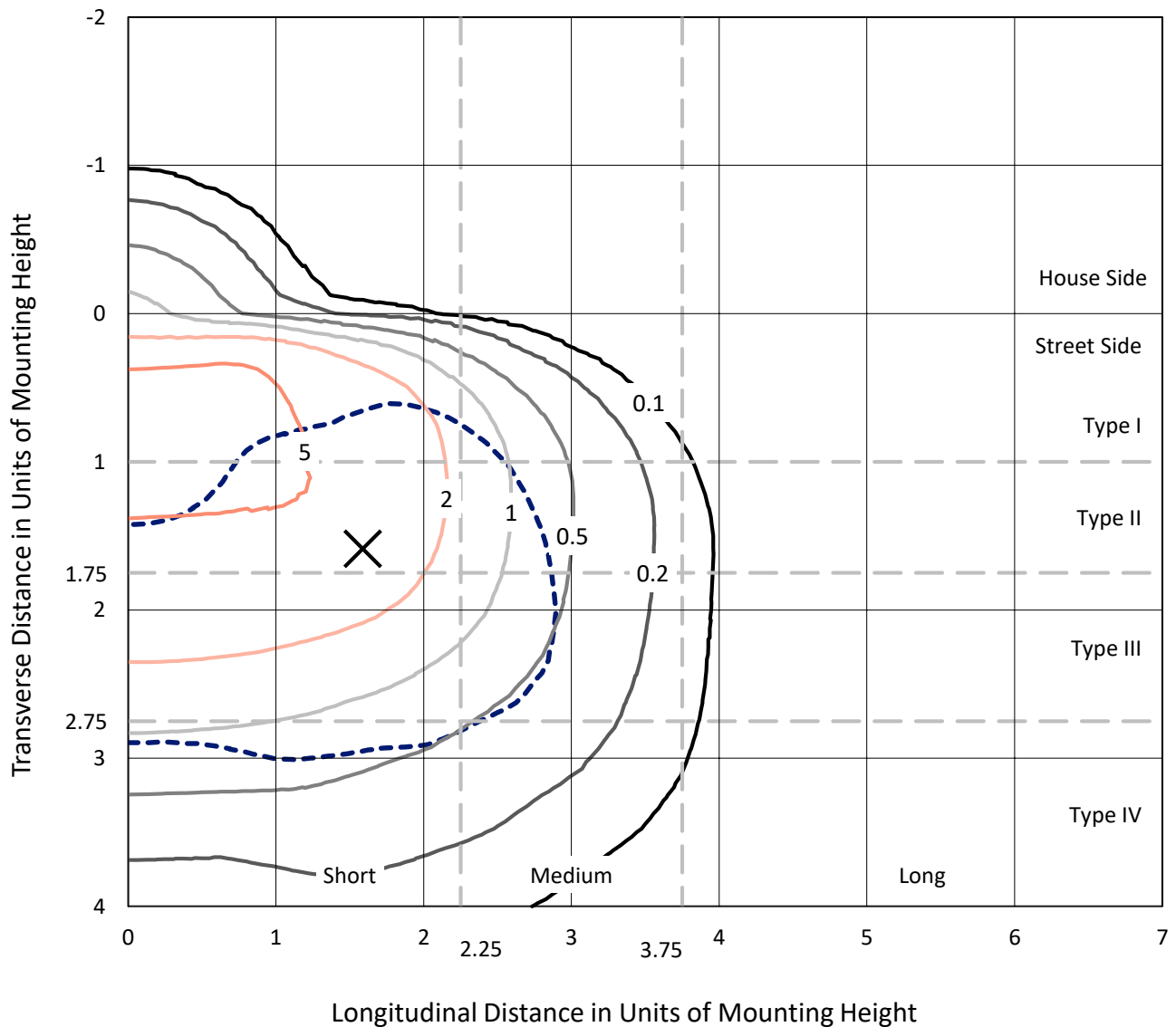
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P156288
 CATALOG NUMBER: AVM-E03-LED-E-U-T4-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

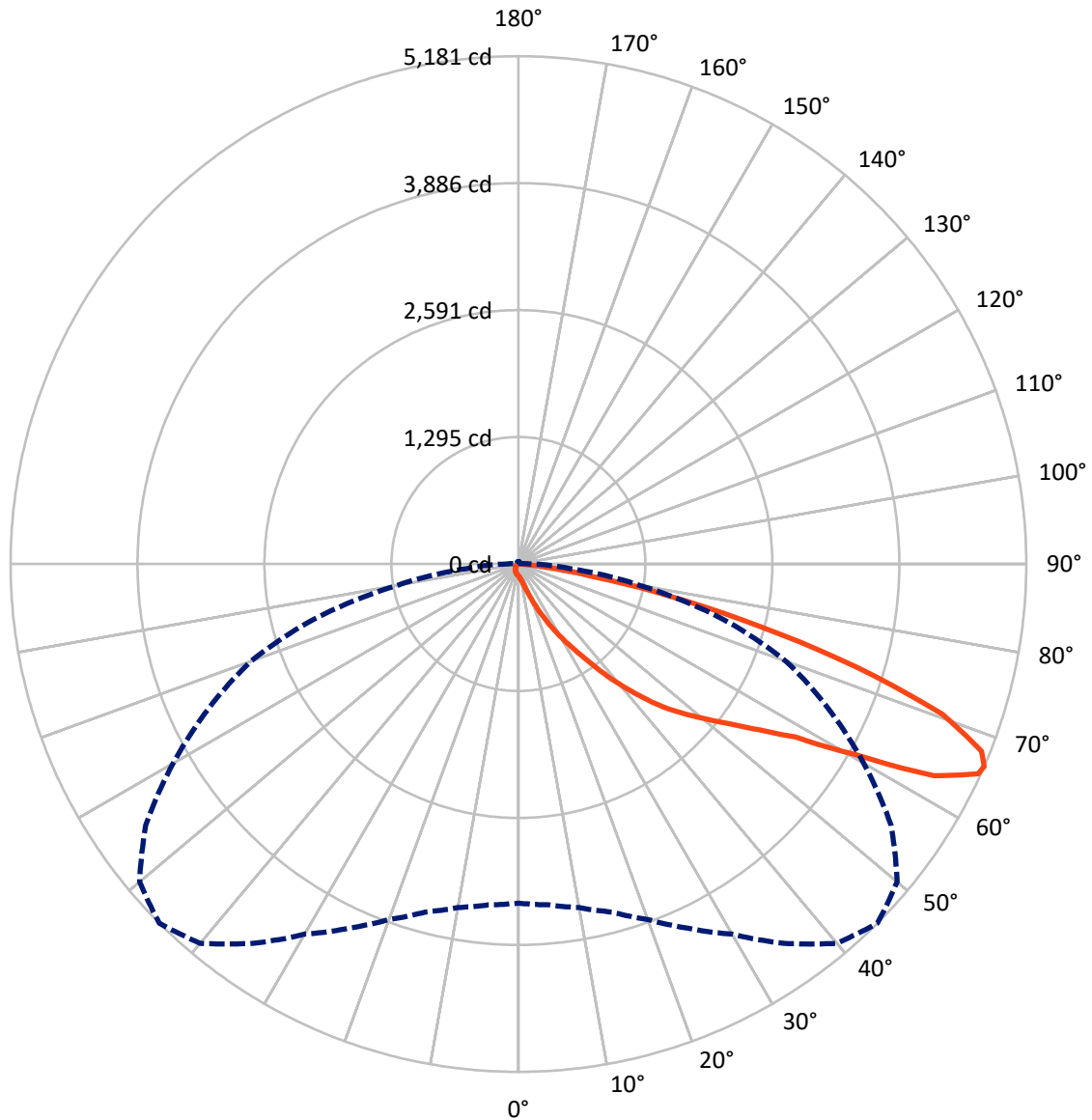
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P156288
CATALOG NUMBER: AVM-E03-LED-E-U-T4-HSS-8030

Luminous Intensity Polar Plot



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



REPORT NUMBER: P156288

CATALOG NUMBER: AVM-E03-LED-E-U-T4-HSS-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	111.0	0.0	111.0
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	4785.9	0.0	4785.9
	% Fixture	97.7	0.0	97.7
Total	Lumens	4896.9	0.0	4896.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.3
10°-20°	49.9	1.0
20°-30°	146.3	3.0
30°-40°	341.7	7.0
40°-50°	641.9	13.1
50°-60°	1063.8	21.7
60°-70°	1688.7	34.5
70°-80°	873.3	17.8
80°-90°	78.9	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°	4896.9	100.0
0°-180°	4896.9	100.0



REPORT NUMBER: P156288

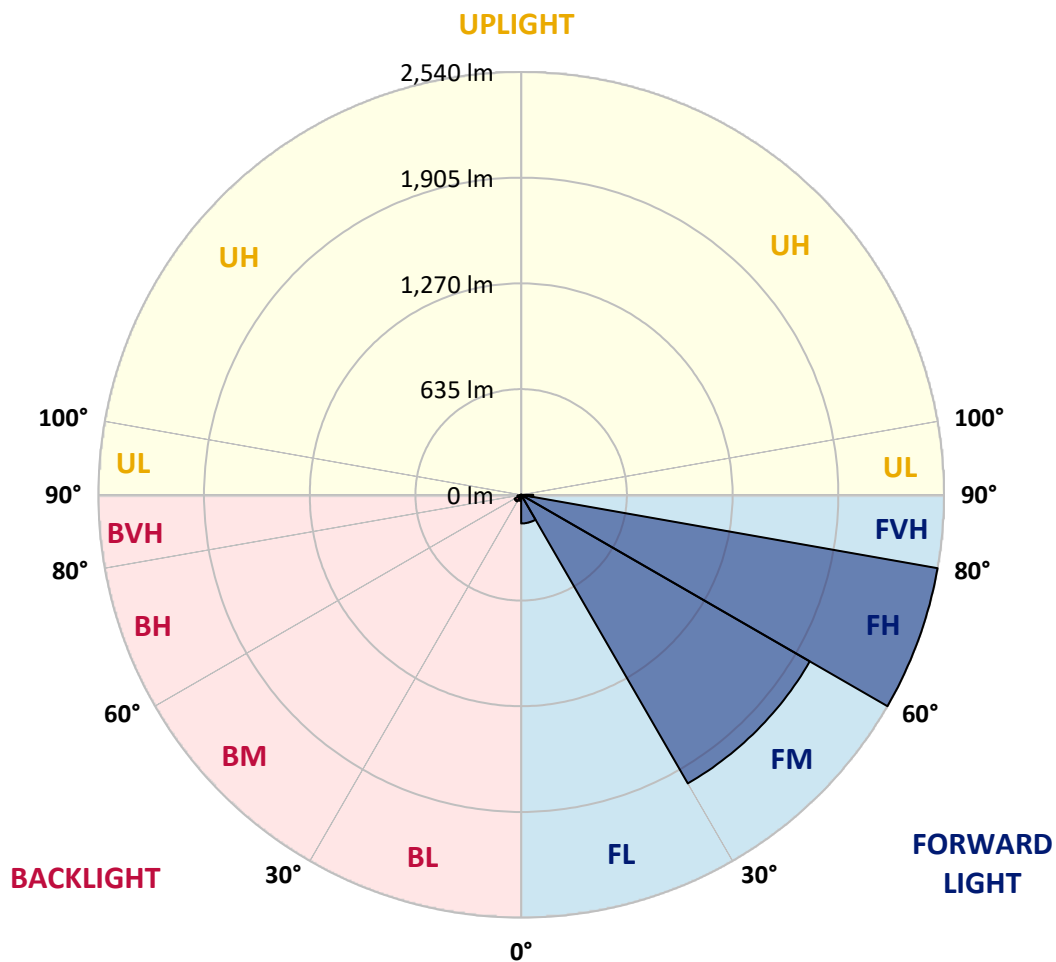
CATALOG NUMBER: AVM-E03-LED-E-U-T4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.3	3.5			
FM	(30°-60°)	2001.4	40.9			
FH	(60°-80°)	2539.6	51.9			G2/5000
FVH	(80°-90°)	72.6	1.5			G1/100
BL	(0°-30°)	36.2	0.7	B0/110		
BM	(30°-60°)	46.0	0.9	B0/220		
BH	(60°-80°)	22.5	0.5	B0/110		G0/110
BVH	(80°-90°)	6.2	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-G2

Type IV Short





REPORT NUMBER: P156288
 CATALOG NUMBER: AVM-E03-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4
2.5°	132.5	132.5	132.5	132.5	131.7	130.8	130.0	129.1	128.3	128.3	127.4
5°	150.2	151.1	150.2	149.4	147.7	146.9	144.3	142.6	140.1	139.3	136.7
7.5°	174.7	173.9	174.7	172.2	168.8	168.0	164.6	160.4	157.0	151.9	148.5
10°	210.2	209.3	210.2	205.1	200.0	195.8	189.9	184.8	177.2	171.3	164.6
12.5°	266.7	266.7	265.0	258.3	251.5	242.2	232.9	222.0	208.5	196.6	185.7
15°	353.6	349.4	341.8	337.6	325.8	311.4	301.3	279.4	259.9	241.4	219.4
17.5°	458.3	449.8	443.9	434.7	419.5	400.9	384.0	351.9	332.5	302.1	270.9
20°	578.1	568.0	566.3	552.0	535.9	515.7	491.2	453.2	420.3	382.3	338.4
22.5°	700.5	702.2	695.4	685.3	669.3	645.7	607.7	573.1	532.6	484.5	427.9
25°	837.2	836.4	830.5	818.7	806.9	777.3	746.9	714.0	665.9	604.3	536.8
27.5°	965.5	964.7	950.3	951.2	928.4	917.4	887.9	852.4	794.2	742.7	669.3
30°	1099.7	1091.3	1082.0	1075.2	1059.2	1039.8	1024.6	982.4	938.5	877.8	817.8
32.5°	1235.6	1226.3	1228.9	1220.4	1207.8	1188.3	1165.6	1130.9	1083.7	1024.6	968.9
35°	1401.9	1397.6	1390.9	1393.4	1390.9	1376.5	1357.1	1311.6	1260.1	1203.5	1146.1
37.5°	1525.1	1520.9	1525.1	1542.8	1547.0	1556.3	1542.0	1519.2	1482.0	1420.4	1360.5
40°	1639.0	1639.9	1659.3	1681.2	1696.4	1726.8	1731.9	1722.6	1693.0	1636.5	1558.0
42.5°	1741.2	1753.8	1771.5	1807.8	1840.7	1883.8	1915.9	1920.9	1899.0	1861.8	1782.5
45°	1855.1	1866.1	1893.9	1937.0	1982.5	2035.7	2087.2	2114.2	2112.5	2086.3	2001.1
47.5°	1982.5	1996.9	2027.3	2062.7	2123.5	2183.4	2250.1	2298.2	2318.4	2282.2	2199.4
50°	2137.0	2142.9	2169.1	2214.6	2270.3	2339.5	2412.1	2482.2	2521.8	2488.1	2402.8
52.5°	2320.1	2321.8	2346.3	2388.5	2433.2	2509.2	2580.1	2677.1	2728.6	2710.1	2607.9
55°	2571.6	2566.6	2583.5	2619.7	2656.0	2729.5	2800.4	2910.1	2985.2	2986.9	2878.0
57.5°	2915.1	2903.3	2914.3	2943.0	2983.5	3051.9	3141.3	3238.4	3338.8	3332.1	3242.6
60°	3393.7	3389.5	3409.7	3457.8	3527.0	3597.9	3699.2	3830.0	3918.6	3949.0	3855.4
62.5°	3711.9	3723.7	3770.1	3844.4	3977.7	4124.6	4312.8	4512.8	4681.6	4757.6	4628.4
65°	3575.1	3594.6	3667.1	3776.9	3953.3	4173.5	4423.4	4751.7	5042.8	5158.5	5024.3
66°	3459.5	3490.7	3559.1	3675.6	3859.6	4100.1	4360.9	4723.8	5051.3	5181.3	5044.5
67.5°	3259.5	3281.4	3359.1	3488.2	3685.7	3923.7	4205.6	4588.8	4958.4	5096.0	4960.1
70°	2851.8	2860.3	2923.6	3033.3	3186.1	3430.0	3685.7	4054.5	4394.7	4587.9	4439.4
72.5°	2122.6	2134.5	2239.1	2439.1	2637.5	2775.9	2927.0	3222.4	3441.8	3622.4	3593.7
75°	1021.2	1026.3	1096.3	1388.4	1774.9	1940.3	2080.4	2309.2	2392.7	2543.8	2521.0
77.5°	647.3	658.3	703.9	774.8	994.2	1190.9	1301.4	1432.3	1456.7	1584.2	1509.9
80°	178.1	206.8	252.4	371.4	637.2	759.6	809.4	804.3	809.4	770.6	745.2
82.5°	36.3	35.4	43.0	66.7	281.0	442.3	477.7	406.8	404.3	389.1	401.7
85°	9.3	8.4	10.1	21.1	48.1	130.8	164.6	92.0	70.1	66.7	59.1
87.5°	2.5	2.5	2.5	4.2	5.1	6.8	9.3	6.8	5.1	5.1	5.1
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: P156288

CATALOG NUMBER: AVM-E03-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4
2.5°	126.6	126.6	125.8	124.9	124.9	124.1	123.2	122.4	121.5	120.7	119.8
5°	134.2	132.5	130.0	128.3	126.6	124.1	122.4	120.7	119.0	118.2	116.5
7.5°	144.3	140.1	136.7	131.7	128.3	124.9	121.5	119.0	116.5	114.8	113.1
10°	157.0	150.2	143.5	136.7	130.8	125.8	120.7	116.5	113.9	111.4	109.7
12.5°	173.0	162.9	153.6	143.5	134.2	126.6	119.8	114.8	111.4	108.9	106.3
15°	199.2	183.1	167.1	151.9	140.1	128.3	119.0	113.1	108.9	106.3	103.8
17.5°	240.5	211.8	186.5	165.4	146.0	130.8	119.0	111.4	106.3	103.0	100.4
20°	300.5	253.2	212.7	182.3	157.0	135.0	119.0	108.9	103.8	99.6	97.1
22.5°	371.4	312.3	256.6	205.9	169.6	140.9	119.0	106.3	100.4	97.1	93.7
25°	475.2	396.7	320.7	249.8	190.7	150.2	121.5	104.7	97.9	93.7	90.3
27.5°	596.7	502.2	407.6	308.1	222.8	163.7	124.9	103.0	95.4	90.3	86.9
30°	735.1	630.5	514.8	385.7	265.0	181.5	130.8	102.1	92.0	86.9	82.7
32.5°	885.3	774.8	648.2	485.3	327.5	208.5	138.4	101.3	88.6	82.7	77.6
35°	1064.3	961.3	806.9	625.4	424.5	254.9	155.3	103.0	85.2	78.5	72.6
37.5°	1260.1	1150.4	986.6	773.9	520.7	307.2	168.0	100.4	79.3	72.6	66.7
40°	1457.6	1331.8	1165.6	930.1	643.1	371.4	184.0	97.9	73.4	66.7	60.8
42.5°	1650.0	1517.5	1336.9	1090.4	772.3	447.3	204.2	97.9	69.2	60.8	54.9
45°	1851.7	1692.2	1494.7	1244.0	900.5	534.2	232.9	97.1	64.1	55.7	49.0
47.5°	2042.5	1853.4	1626.4	1379.1	1038.1	629.6	265.9	97.9	59.9	50.6	44.7
50°	2223.1	2006.2	1761.4	1499.8	1169.8	732.6	306.4	98.7	55.7	46.4	40.5
52.5°	2420.6	2180.0	1906.6	1623.8	1299.7	836.4	353.6	100.4	51.5	42.2	37.1
55°	2665.3	2398.6	2085.5	1775.8	1437.3	941.0	399.2	102.1	47.3	38.8	33.8
57.5°	3018.1	2714.3	2375.8	2003.6	1619.6	1060.1	446.5	106.3	43.9	36.3	31.2
60°	3592.0	3230.0	2839.2	2400.3	1892.2	1221.3	514.8	115.6	39.7	32.9	29.5
62.5°	4282.4	3846.9	3349.8	2817.2	2148.8	1330.1	560.4	125.8	36.3	30.4	27.9
65°	4630.1	4081.5	3508.5	2933.7	2181.7	1298.1	541.8	122.4	32.1	27.0	23.6
66°	4640.3	4068.9	3486.5	2908.4	2148.0	1259.2	524.1	120.7	31.2	26.2	21.9
67.5°	4544.0	3960.0	3370.1	2793.6	2048.4	1184.1	492.0	114.8	28.7	23.6	19.4
70°	4068.9	3500.0	2959.0	2426.5	1762.3	997.6	412.7	101.3	25.3	21.1	17.7
72.5°	3243.5	2780.1	2324.4	1909.1	1369.8	748.6	325.8	82.7	21.9	18.6	15.2
75°	2265.3	1884.6	1537.8	1241.5	860.9	448.2	211.0	58.2	18.6	15.2	12.7
77.5°	1264.3	1002.7	757.9	577.3	343.5	140.1	70.1	29.5	16.0	11.8	10.1
80°	643.1	476.9	362.9	267.5	158.7	72.6	35.4	19.4	12.7	9.3	8.4
82.5°	373.9	274.3	218.6	173.0	108.9	54.9	28.7	14.3	8.4	6.8	7.6
85°	83.6	110.6	93.7	79.3	58.2	34.6	20.3	9.3	5.9	5.9	6.8
87.5°	6.8	9.3	8.4	11.0	11.8	11.0	8.4	5.1	4.2	5.1	5.1
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: P156288

CATALOG NUMBER: AVM-E03-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4	122.4
2.5°	119.0	118.2	118.2	117.3	116.5	116.5	116.5	115.6	116.5	116.5	116.5
5°	115.6	114.8	113.9	113.1	112.3	111.4	111.4	110.6	110.6	110.6	111.4
7.5°	112.3	110.6	109.7	108.0	107.2	106.3	106.3	105.5	105.5	105.5	105.5
10°	108.0	106.3	104.7	103.8	103.0	101.3	101.3	100.4	99.6	99.6	99.6
12.5°	104.7	103.0	101.3	99.6	97.9	97.1	96.2	95.4	94.5	94.5	94.5
15°	101.3	98.7	97.1	95.4	93.7	92.0	91.2	90.3	89.5	88.6	88.6
17.5°	97.9	95.4	92.8	91.2	89.5	87.8	86.9	84.4	84.4	83.6	83.6
20°	93.7	91.2	88.6	86.9	85.2	83.6	81.9	80.2	78.5	77.6	77.6
22.5°	90.3	87.8	85.2	82.7	80.2	77.6	76.0	74.3	73.4	72.6	71.7
25°	86.9	83.6	80.2	77.6	75.1	72.6	70.9	69.2	67.5	66.7	66.7
27.5°	82.7	79.3	76.0	72.6	70.1	67.5	65.8	63.3	62.5	61.6	60.8
30°	78.5	74.3	70.9	67.5	65.0	61.6	59.9	58.2	56.5	56.5	55.7
32.5°	73.4	69.2	65.8	62.5	59.1	56.5	54.9	53.2	52.3	50.6	50.6
35°	68.4	64.1	59.9	56.5	54.0	51.5	49.8	48.1	46.4	45.6	45.6
37.5°	62.5	58.2	54.9	51.5	49.0	46.4	44.7	43.0	42.2	41.4	40.5
40°	55.7	51.5	49.0	46.4	43.9	42.2	39.7	38.0	37.1	36.3	35.4
42.5°	49.8	45.6	43.9	42.2	39.7	38.0	35.4	33.8	32.1	31.2	30.4
45°	44.7	41.4	39.7	38.0	35.4	32.9	31.2	29.5	27.9	27.0	27.0
47.5°	39.7	37.1	35.4	33.8	31.2	29.5	27.0	26.2	24.5	24.5	24.5
50°	36.3	33.8	32.1	30.4	28.7	26.2	24.5	23.6	22.8	22.8	23.6
52.5°	33.8	31.2	29.5	27.9	26.2	24.5	22.8	21.9	21.9	22.8	23.6
55°	31.2	28.7	27.0	25.3	23.6	22.8	21.1	21.1	21.9	22.8	23.6
57.5°	29.5	26.2	24.5	23.6	21.9	21.1	21.1	21.1	21.9	22.8	24.5
60°	27.0	23.6	21.9	21.9	20.3	20.3	20.3	21.1	21.9	23.6	24.5
62.5°	23.6	21.1	20.3	20.3	19.4	19.4	20.3	21.1	22.8	23.6	24.5
65°	20.3	18.6	18.6	18.6	18.6	19.4	20.3	21.1	21.9	23.6	24.5
66°	18.6	17.7	17.7	18.6	18.6	19.4	20.3	21.1	21.9	22.8	23.6
67.5°	17.7	16.9	16.9	17.7	18.6	18.6	19.4	21.1	21.9	22.8	22.8
70°	15.2	15.2	15.2	16.9	17.7	18.6	19.4	20.3	21.1	21.9	22.8
72.5°	13.5	13.5	14.3	15.2	16.9	17.7	18.6	19.4	21.1	21.9	21.9
75°	11.8	11.8	13.5	14.3	16.0	16.9	18.6	19.4	20.3	21.1	21.1
77.5°	10.1	11.0	12.7	14.3	15.2	16.9	17.7	18.6	19.4	20.3	20.3
80°	9.3	11.0	12.7	13.5	14.3	15.2	16.0	17.7	18.6	19.4	20.3
82.5°	9.3	10.1	11.8	12.7	13.5	15.2	16.0	16.9	17.7	18.6	19.4
85°	7.6	9.3	10.1	11.8	12.7	14.3	15.2	15.2	16.0	16.9	17.7
87.5°	5.9	6.8	6.8	8.4	9.3	11.0	12.7	12.7	13.5	14.3	15.2
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: P156288

CATALOG NUMBER: AVM-E03-LED-E-U-T4-HSS-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	122.4	122.4	122.4	122.4
2.5°	116.5	117.3	117.3	117.3
5°	111.4	111.4	111.4	111.4
7.5°	105.5	105.5	105.5	105.5
10°	99.6	99.6	100.4	99.6
12.5°	94.5	93.7	93.7	93.7
15°	88.6	88.6	87.8	88.6
17.5°	82.7	82.7	81.9	81.9
20°	76.8	76.8	76.8	76.8
22.5°	71.7	70.9	70.9	70.9
25°	65.8	65.8	65.8	65.8
27.5°	60.8	60.8	60.8	60.8
30°	55.7	55.7	54.9	54.9
32.5°	50.6	50.6	50.6	50.6
35°	45.6	45.6	44.7	44.7
37.5°	39.7	39.7	39.7	39.7
40°	34.6	34.6	34.6	34.6
42.5°	30.4	30.4	29.5	29.5
45°	26.2	26.2	26.2	26.2
47.5°	24.5	24.5	24.5	24.5
50°	23.6	24.5	24.5	24.5
52.5°	24.5	24.5	24.5	24.5
55°	24.5	25.3	25.3	25.3
57.5°	24.5	25.3	25.3	26.2
60°	25.3	26.2	26.2	26.2
62.5°	25.3	26.2	26.2	26.2
65°	24.5	25.3	25.3	25.3
66°	24.5	24.5	24.5	25.3
67.5°	23.6	24.5	24.5	24.5
70°	22.8	23.6	23.6	24.5
72.5°	22.8	23.6	23.6	23.6
75°	21.9	21.9	22.8	22.8
77.5°	21.1	21.1	21.9	21.9
80°	20.3	21.1	21.1	21.1
82.5°	19.4	20.3	20.3	20.3
85°	17.7	18.6	18.6	18.6
87.5°	15.2	15.2	16.0	16.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)