

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: P156314

Luminaire Tested: **AVM-F05-LED-E-U-T4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156314
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-F05-LED-E-U-T4-HSS-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7291.3 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

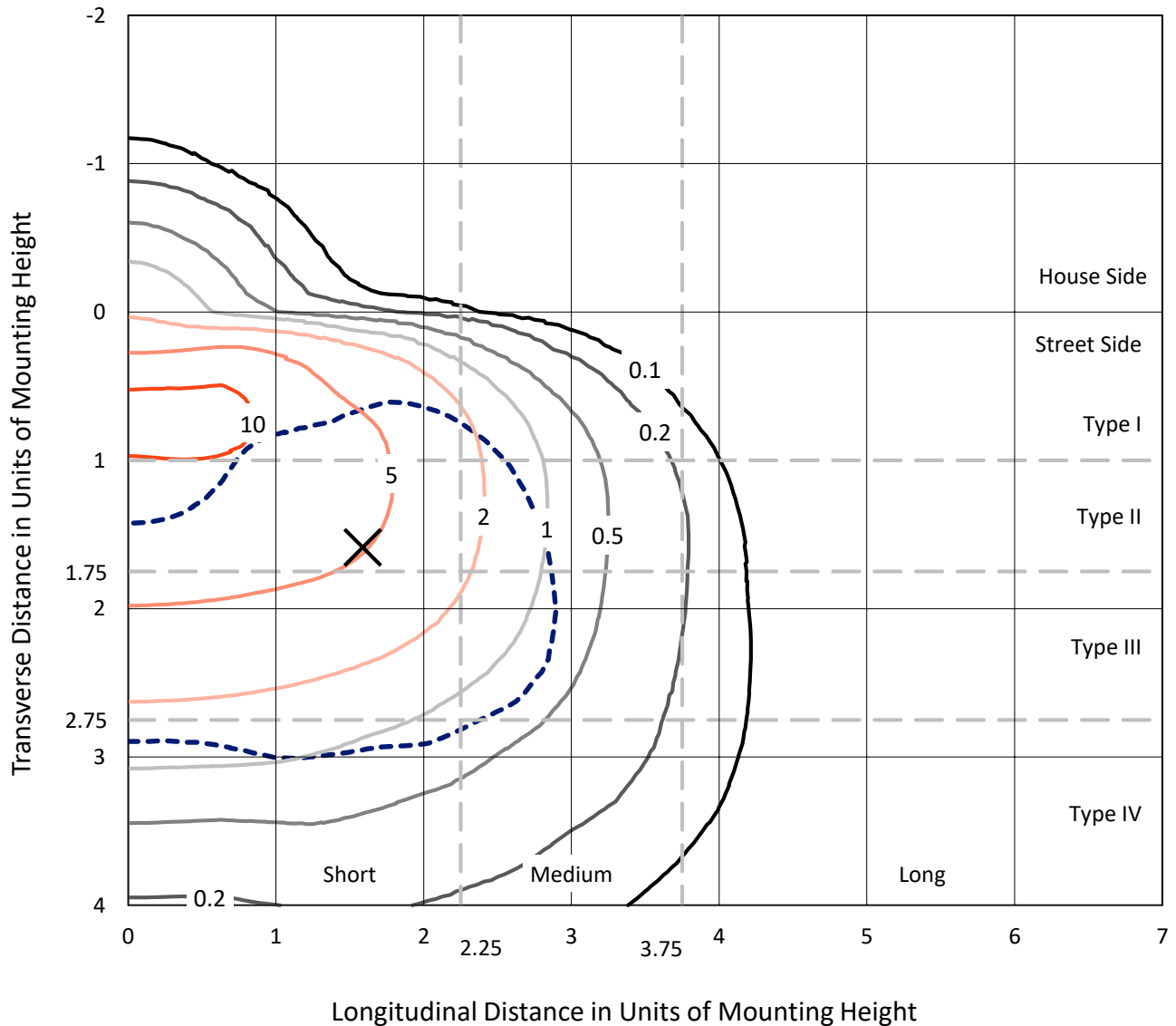
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

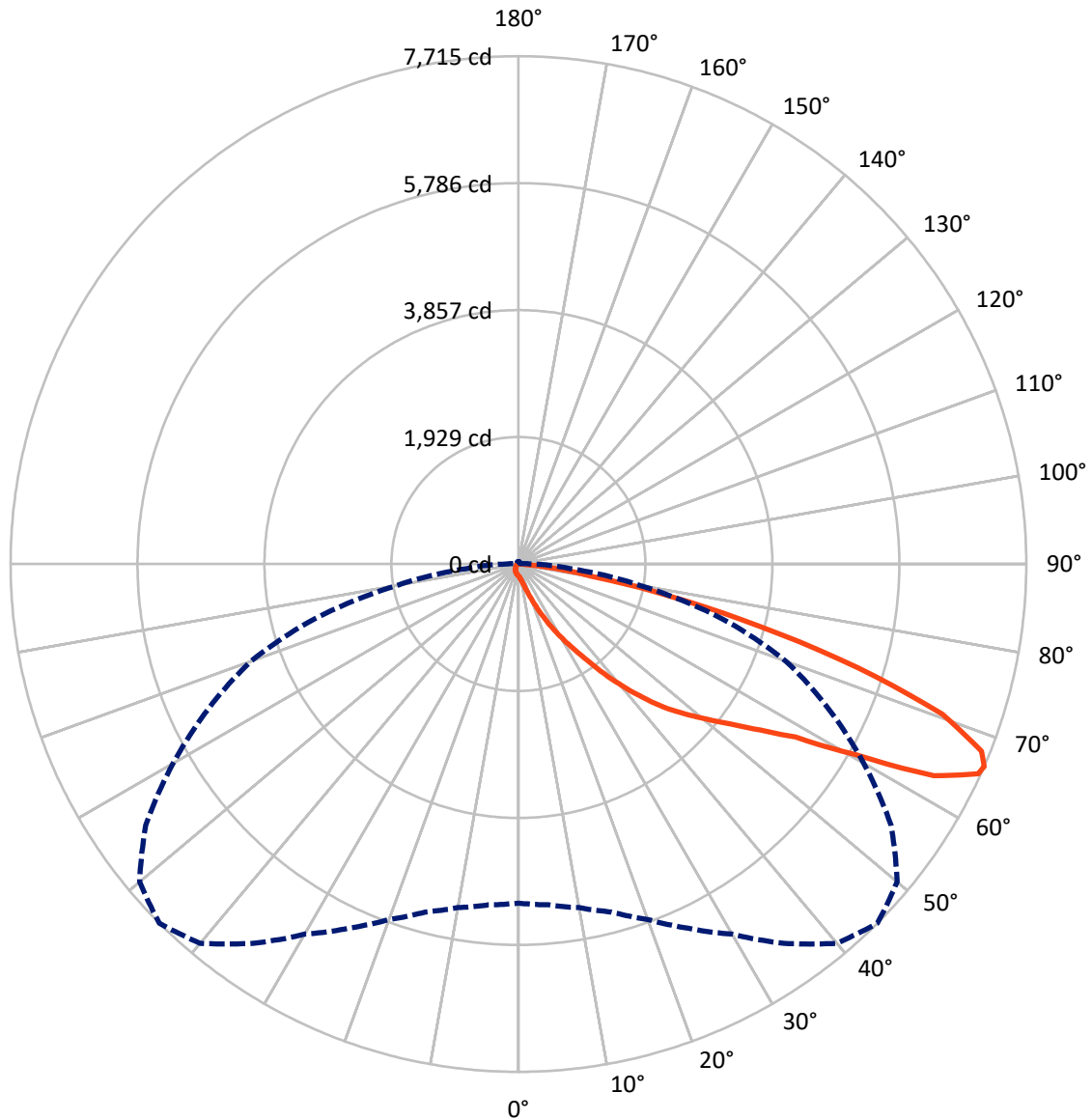
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	165.3	0.0	165.3
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	7126.0	0.0	7126.0
	% Fixture	97.7	0.0	97.7
Total	Lumens	7291.3	0.0	7291.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.3
10°-20°	74.4	1.0
20°-30°	217.8	3.0
30°-40°	508.8	7.0
40°-50°	955.8	13.1
50°-60°	1583.9	21.7
60°-70°	2514.4	34.5
70°-80°	1300.4	17.8
80°-90°	117.4	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°	7291.3	100.0
0°-180°	7291.3	100.0



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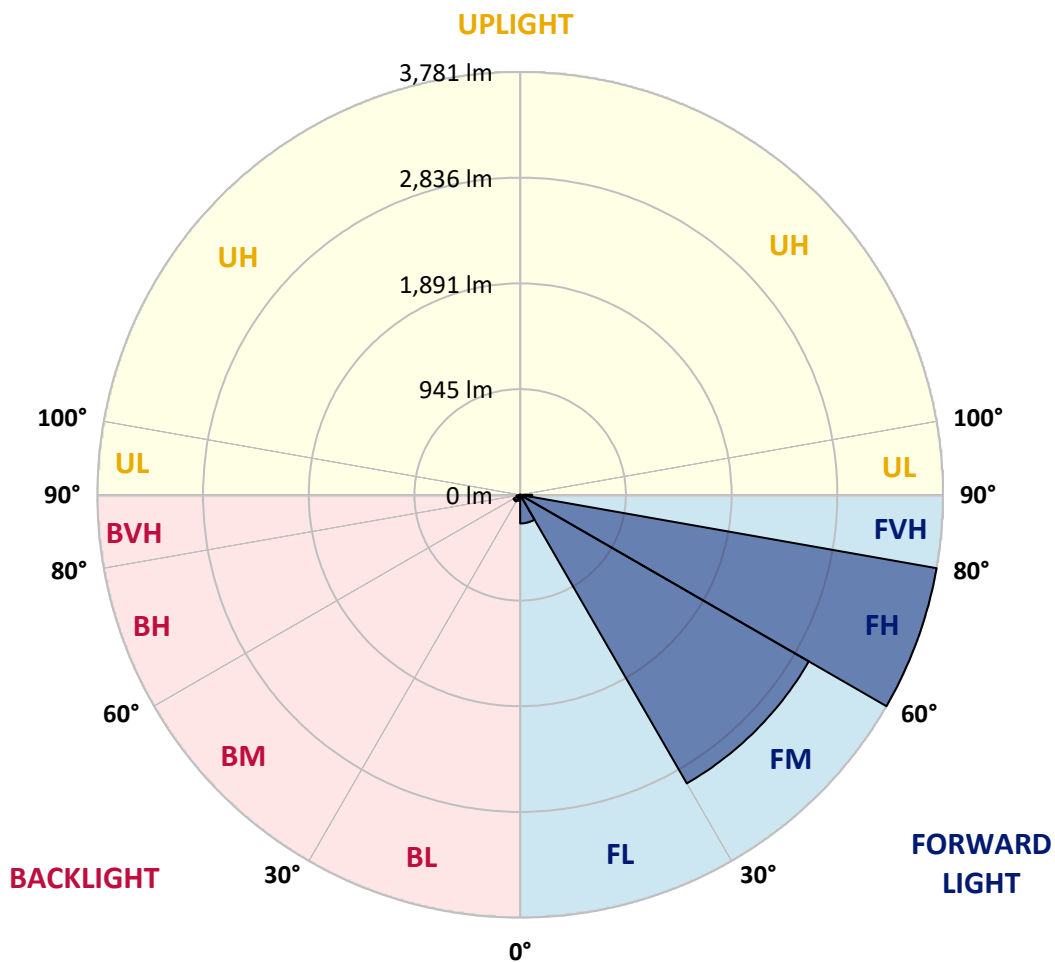
CATALOG NUMBER: AVM-F05-LED-E-U-T4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.6	3.5			
FM	(30°-60°)	2980.0	40.9			
FH	(60°-80°)	3781.3	51.9			G2/5000
FVH	(80°-90°)	108.2	1.5			G2/225
BL	(0°-30°)	54.0	0.7	B0/110		
BM	(30°-60°)	68.5	0.9	B0/220		
BH	(60°-80°)	33.5	0.5	B0/110		G0/110
BVH	(80°-90°)	9.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2
2.5°	197.3	197.3	197.3	197.3	196.0	194.8	193.5	192.3	191.0	191.0	189.8
5°	223.7	224.9	223.7	222.4	219.9	218.7	214.9	212.4	208.6	207.3	203.6
7.5°	260.1	258.9	260.1	256.4	251.3	250.1	245.0	238.8	233.7	226.2	221.2
10°	312.9	311.7	312.9	305.4	297.8	291.5	282.7	275.2	263.9	255.1	245.0
12.5°	397.1	397.1	394.6	384.5	374.5	360.7	346.8	330.5	310.4	292.8	276.5
15°	526.5	520.3	508.9	502.7	485.1	463.7	448.6	416.0	387.0	359.4	326.7
17.5°	682.4	669.8	661.0	647.2	624.6	596.9	571.8	524.0	495.1	449.9	403.4
20°	860.8	845.7	843.2	821.9	798.0	767.8	731.4	674.8	625.8	569.3	503.9
22.5°	1043.0	1045.5	1035.5	1020.4	996.5	961.3	904.8	853.3	792.9	721.3	637.1
25°	1246.6	1245.3	1236.5	1219.0	1201.4	1157.4	1112.1	1063.1	991.5	899.8	799.2
27.5°	1437.6	1436.4	1415.0	1416.3	1382.3	1366.0	1322.0	1269.2	1182.5	1105.9	996.5
30°	1637.4	1624.9	1611.0	1601.0	1577.1	1548.2	1525.6	1462.7	1397.4	1306.9	1217.7
32.5°	1839.7	1825.9	1829.7	1817.1	1798.3	1769.4	1735.4	1683.9	1613.5	1525.6	1442.6
35°	2087.3	2081.0	2071.0	2074.7	2071.0	2049.6	2020.7	1952.8	1876.2	1792.0	1706.5
37.5°	2270.8	2264.5	2270.8	2297.2	2303.5	2317.3	2295.9	2262.0	2206.7	2115.0	2025.7
40°	2440.4	2441.7	2470.6	2503.3	2525.9	2571.1	2578.7	2564.8	2520.9	2436.7	2319.8
42.5°	2592.5	2611.3	2637.7	2691.8	2740.8	2804.9	2852.6	2860.1	2827.5	2772.2	2654.1
45°	2762.1	2778.5	2819.9	2884.0	2951.9	3031.1	3107.7	3147.9	3145.4	3106.5	2979.5
47.5°	2951.9	2973.2	3018.5	3071.3	3161.7	3251.0	3350.2	3421.9	3452.0	3398.0	3274.8
50°	3181.9	3190.6	3229.6	3297.5	3380.4	3483.4	3591.5	3695.8	3754.9	3704.6	3577.7
52.5°	3454.5	3457.1	3493.5	3556.3	3622.9	3736.0	3841.6	3986.1	4062.8	4035.1	3883.1
55°	3829.0	3821.5	3846.6	3900.7	3954.7	4064.0	4169.6	4332.9	4444.8	4447.3	4285.2
57.5°	4340.5	4322.9	4339.2	4382.0	4442.3	4544.1	4677.3	4821.8	4971.3	4961.3	4828.1
60°	5053.0	5046.7	5076.9	5148.5	5251.6	5357.1	5507.9	5702.7	5834.7	5879.9	5740.4
62.5°	5526.8	5544.4	5613.5	5724.1	5922.6	6141.3	6421.5	6719.3	6970.7	7083.8	6891.5
65°	5323.2	5352.1	5460.2	5623.5	5886.2	6214.2	6586.1	7075.0	7508.5	7680.7	7480.9
66°	5151.0	5197.5	5299.3	5472.7	5746.7	6104.8	6493.1	7033.5	7521.1	7714.6	7511.0
67.5°	4853.2	4885.9	5001.5	5193.8	5487.8	5842.2	6261.9	6832.4	7382.9	7587.7	7385.4
70°	4246.2	4258.8	4353.1	4516.4	4743.9	5107.0	5487.8	6037.0	6543.4	6831.2	6610.0
72.5°	3160.5	3178.1	3333.9	3631.7	3927.0	4133.1	4358.1	4797.9	5124.6	5393.6	5350.8
75°	1520.6	1528.1	1632.4	2067.2	2642.7	2889.1	3097.7	3438.2	3562.6	3787.6	3753.6
77.5°	963.9	980.2	1048.1	1153.6	1480.3	1773.1	1937.8	2132.5	2169.0	2358.7	2248.2
80°	265.2	307.9	375.7	552.9	948.8	1131.0	1205.1	1197.6	1205.1	1147.3	1109.6
82.5°	54.0	52.8	64.1	99.3	418.5	658.5	711.3	605.7	601.9	579.3	598.2
85°	13.8	12.6	15.1	31.4	71.6	194.8	245.0	137.0	104.3	99.3	88.0
87.5°	3.8	3.8	3.8	6.3	7.5	10.1	13.8	10.1	7.5	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2
2.5°	188.5	188.5	187.2	186.0	186.0	184.7	183.5	182.2	181.0	179.7	178.4
5°	199.8	197.3	193.5	191.0	188.5	184.7	182.2	179.7	177.2	175.9	173.4
7.5°	214.9	208.6	203.6	196.0	191.0	186.0	181.0	177.2	173.4	170.9	168.4
10°	233.7	223.7	213.6	203.6	194.8	187.2	179.7	173.4	169.6	165.9	163.4
12.5°	257.6	242.5	228.7	213.6	199.8	188.5	178.4	170.9	165.9	162.1	158.3
15°	296.6	272.7	248.8	226.2	208.6	191.0	177.2	168.4	162.1	158.3	154.6
17.5°	358.1	315.4	277.7	246.3	217.4	194.8	177.2	165.9	158.3	153.3	149.5
20°	447.4	377.0	316.7	271.4	233.7	201.1	177.2	162.1	154.6	148.3	144.5
22.5°	552.9	465.0	382.0	306.6	252.6	209.9	177.2	158.3	149.5	144.5	139.5
25°	707.5	590.6	477.5	372.0	284.0	223.7	181.0	155.8	145.8	139.5	134.5
27.5°	888.5	747.7	607.0	458.7	331.8	243.8	186.0	153.3	142.0	134.5	129.4
30°	1094.5	938.7	766.6	574.3	394.6	270.2	194.8	152.1	137.0	129.4	123.2
32.5°	1318.2	1153.6	965.1	722.6	487.6	310.4	206.1	150.8	131.9	123.2	115.6
35°	1584.6	1431.3	1201.4	931.2	632.1	379.5	231.2	153.3	126.9	116.9	108.1
37.5°	1876.2	1712.8	1469.0	1152.4	775.4	457.4	250.1	149.5	118.1	108.1	99.3
40°	2170.2	1983.0	1735.4	1384.8	957.6	552.9	274.0	145.8	109.3	99.3	90.5
42.5°	2456.8	2259.5	1990.5	1623.6	1149.8	666.0	304.1	145.8	103.0	90.5	81.7
45°	2757.1	2519.6	2225.5	1852.3	1340.9	795.5	346.8	144.5	95.5	82.9	72.9
47.5°	3041.1	2759.6	2421.6	2053.4	1545.7	937.5	395.8	145.8	89.2	75.4	66.6
50°	3310.0	2987.1	2622.6	2233.1	1741.7	1090.8	456.2	147.0	82.9	69.1	60.3
52.5°	3604.1	3245.9	2838.8	2417.8	1935.2	1245.3	526.5	149.5	76.7	62.8	55.3
55°	3968.5	3571.4	3105.2	2644.0	2140.1	1401.2	594.4	152.1	70.4	57.8	50.3
57.5°	4493.8	4041.4	3537.5	2983.3	2411.5	1578.4	664.8	158.3	65.3	54.0	46.5
60°	5348.3	4809.2	4227.4	3573.9	2817.4	1818.4	766.6	172.2	59.1	49.0	44.0
62.5°	6376.3	5727.8	4987.7	4194.7	3199.4	1980.5	834.4	187.2	54.0	45.2	41.5
65°	6894.0	6077.2	5223.9	4368.1	3248.5	1932.7	806.8	182.2	47.8	40.2	35.2
66°	6909.1	6058.3	5191.2	4330.4	3198.2	1874.9	780.4	179.7	46.5	39.0	32.7
67.5°	6765.8	5896.2	5017.8	4159.5	3049.9	1763.1	732.6	170.9	42.7	35.2	28.9
70°	6058.3	5211.4	4405.8	3612.9	2623.9	1485.4	614.5	150.8	37.7	31.4	26.4
72.5°	4829.3	4139.4	3460.8	2842.6	2039.6	1114.7	485.1	123.2	32.7	27.6	22.6
75°	3372.9	2806.1	2289.6	1848.5	1281.8	667.3	314.2	86.7	27.6	22.6	18.8
77.5°	1882.5	1492.9	1128.5	859.6	511.5	208.6	104.3	44.0	23.9	17.6	15.1
80°	957.6	710.0	540.4	398.4	236.3	108.1	52.8	28.9	18.8	13.8	12.6
82.5°	556.7	408.4	325.5	257.6	162.1	81.7	42.7	21.4	12.6	10.1	11.3
85°	124.4	164.6	139.5	118.1	86.7	51.5	30.2	13.8	8.8	8.8	10.1
87.5°	10.1	13.8	12.6	16.3	17.6	16.3	12.6	7.5	6.3	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2	182.2
2.5°	177.2	175.9	175.9	174.7	173.4	173.4	173.4	172.2	173.4	173.4	173.4
5°	172.2	170.9	169.6	168.4	167.1	165.9	165.9	164.6	164.6	164.6	165.9
7.5°	167.1	164.6	163.4	160.9	159.6	158.3	158.3	157.1	157.1	157.1	157.1
10°	160.9	158.3	155.8	154.6	153.3	150.8	150.8	149.5	148.3	148.3	148.3
12.5°	155.8	153.3	150.8	148.3	145.8	144.5	143.3	142.0	140.7	140.7	140.7
15°	150.8	147.0	144.5	142.0	139.5	137.0	135.7	134.5	133.2	131.9	131.9
17.5°	145.8	142.0	138.2	135.7	133.2	130.7	129.4	125.7	125.7	124.4	124.4
20°	139.5	135.7	131.9	129.4	126.9	124.4	121.9	119.4	116.9	115.6	115.6
22.5°	134.5	130.7	126.9	123.2	119.4	115.6	113.1	110.6	109.3	108.1	106.8
25°	129.4	124.4	119.4	115.6	111.8	108.1	105.6	103.0	100.5	99.3	99.3
27.5°	123.2	118.1	113.1	108.1	104.3	100.5	98.0	94.2	93.0	91.7	90.5
30°	116.9	110.6	105.6	100.5	96.8	91.7	89.2	86.7	84.2	84.2	82.9
32.5°	109.3	103.0	98.0	93.0	88.0	84.2	81.7	79.2	77.9	75.4	75.4
35°	101.8	95.5	89.2	84.2	80.4	76.7	74.1	71.6	69.1	67.9	67.9
37.5°	93.0	86.7	81.7	76.7	72.9	69.1	66.6	64.1	62.8	61.6	60.3
40°	82.9	76.7	72.9	69.1	65.3	62.8	59.1	56.5	55.3	54.0	52.8
42.5°	74.1	67.9	65.3	62.8	59.1	56.5	52.8	50.3	47.8	46.5	45.2
45°	66.6	61.6	59.1	56.5	52.8	49.0	46.5	44.0	41.5	40.2	40.2
47.5°	59.1	55.3	52.8	50.3	46.5	44.0	40.2	39.0	36.4	36.4	36.4
50°	54.0	50.3	47.8	45.2	42.7	39.0	36.4	35.2	33.9	33.9	35.2
52.5°	50.3	46.5	44.0	41.5	39.0	36.4	33.9	32.7	32.7	33.9	35.2
55°	46.5	42.7	40.2	37.7	35.2	33.9	31.4	31.4	32.7	33.9	35.2
57.5°	44.0	39.0	36.4	35.2	32.7	31.4	31.4	31.4	32.7	33.9	36.4
60°	40.2	35.2	32.7	32.7	30.2	30.2	30.2	31.4	32.7	35.2	36.4
62.5°	35.2	31.4	30.2	30.2	28.9	28.9	30.2	31.4	33.9	35.2	36.4
65°	30.2	27.6	27.6	27.6	27.6	28.9	30.2	31.4	32.7	35.2	36.4
66°	27.6	26.4	26.4	27.6	27.6	28.9	30.2	31.4	32.7	33.9	35.2
67.5°	26.4	25.1	25.1	26.4	27.6	27.6	28.9	31.4	32.7	33.9	33.9
70°	22.6	22.6	22.6	25.1	26.4	27.6	28.9	30.2	31.4	32.7	33.9
72.5°	20.1	20.1	21.4	22.6	25.1	26.4	27.6	28.9	31.4	32.7	32.7
75°	17.6	17.6	20.1	21.4	23.9	25.1	27.6	28.9	30.2	31.4	31.4
77.5°	15.1	16.3	18.8	21.4	22.6	25.1	26.4	27.6	28.9	30.2	30.2
80°	13.8	16.3	18.8	20.1	21.4	22.6	23.9	26.4	27.6	28.9	30.2
82.5°	13.8	15.1	17.6	18.8	20.1	22.6	23.9	25.1	26.4	27.6	28.9
85°	11.3	13.8	15.1	17.6	18.8	21.4	22.6	22.6	23.9	25.1	26.4
87.5°	8.8	10.1	10.1	12.6	13.8	16.3	18.8	18.8	20.1	21.4	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: AVM-F05-LED-E-U-T4-HSS-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	182.2	182.2	182.2	182.2
2.5°	173.4	174.7	174.7	174.7
5°	165.9	165.9	165.9	165.9
7.5°	157.1	157.1	157.1	157.1
10°	148.3	148.3	149.5	148.3
12.5°	140.7	139.5	139.5	139.5
15°	131.9	131.9	130.7	131.9
17.5°	123.2	123.2	121.9	121.9
20°	114.4	114.4	114.4	114.4
22.5°	106.8	105.6	105.6	105.6
25°	98.0	98.0	98.0	98.0
27.5°	90.5	90.5	90.5	90.5
30°	82.9	82.9	81.7	81.7
32.5°	75.4	75.4	75.4	75.4
35°	67.9	67.9	66.6	66.6
37.5°	59.1	59.1	59.1	59.1
40°	51.5	51.5	51.5	51.5
42.5°	45.2	45.2	44.0	44.0
45°	39.0	39.0	39.0	39.0
47.5°	36.4	36.4	36.4	36.4
50°	35.2	36.4	36.4	36.4
52.5°	36.4	36.4	36.4	36.4
55°	36.4	37.7	37.7	37.7
57.5°	36.4	37.7	37.7	39.0
60°	37.7	39.0	39.0	39.0
62.5°	37.7	39.0	39.0	39.0
65°	36.4	37.7	37.7	37.7
66°	36.4	36.4	36.4	37.7
67.5°	35.2	36.4	36.4	36.4
70°	33.9	35.2	35.2	36.4
72.5°	33.9	35.2	35.2	35.2
75°	32.7	32.7	33.9	33.9
77.5°	31.4	31.4	32.7	32.7
80°	30.2	31.4	31.4	31.4
82.5°	28.9	30.2	30.2	30.2
85°	26.4	27.6	27.6	27.6
87.5°	22.6	22.6	23.9	23.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)