

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: P154244

Luminaire Tested: **AVM-F06-LED-E-U-T2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154244
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-F06-LED-E-U-T2-HSS-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7244.2 lumens
Efficiency: N/A
Efficacy: 46.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

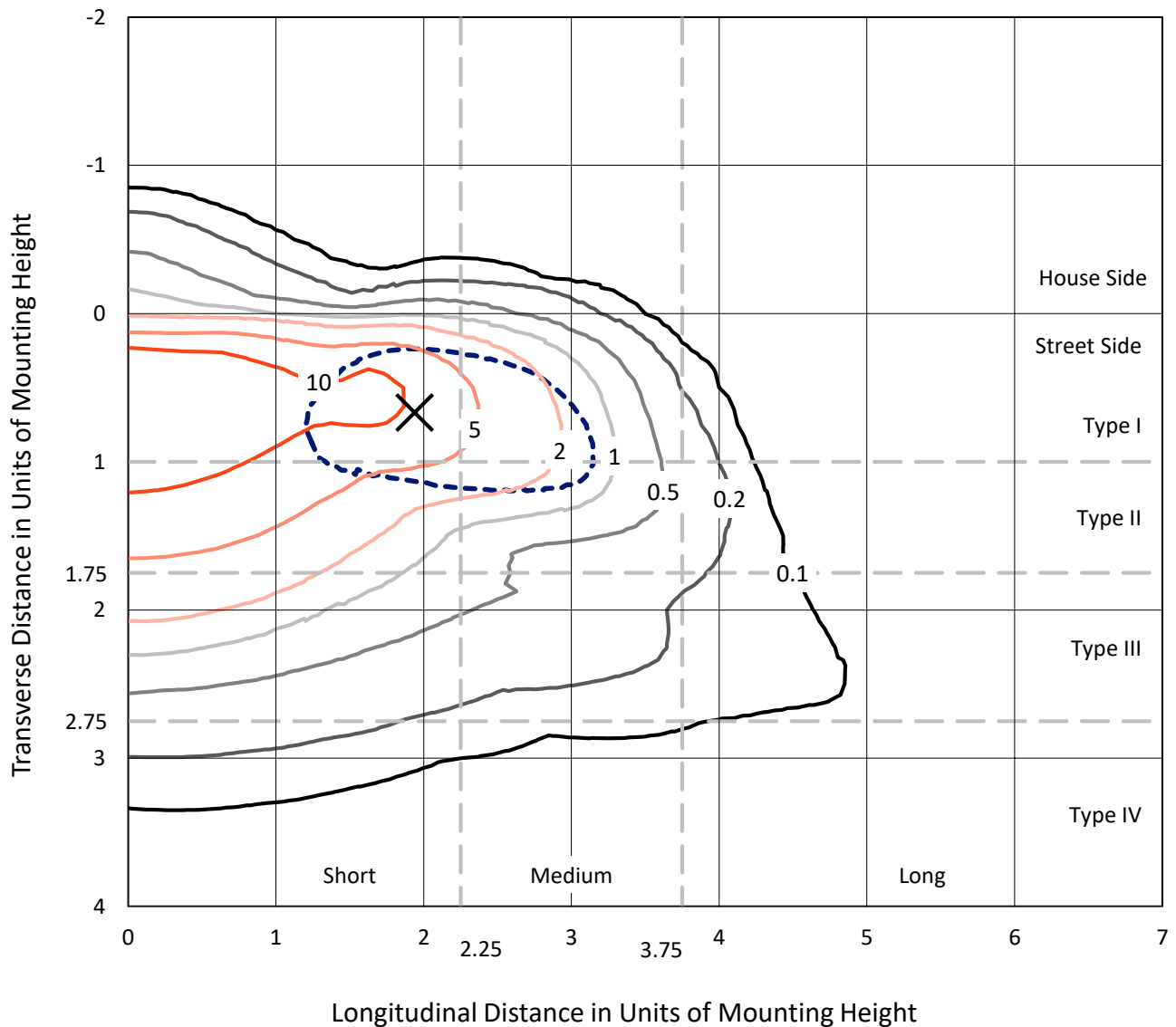
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

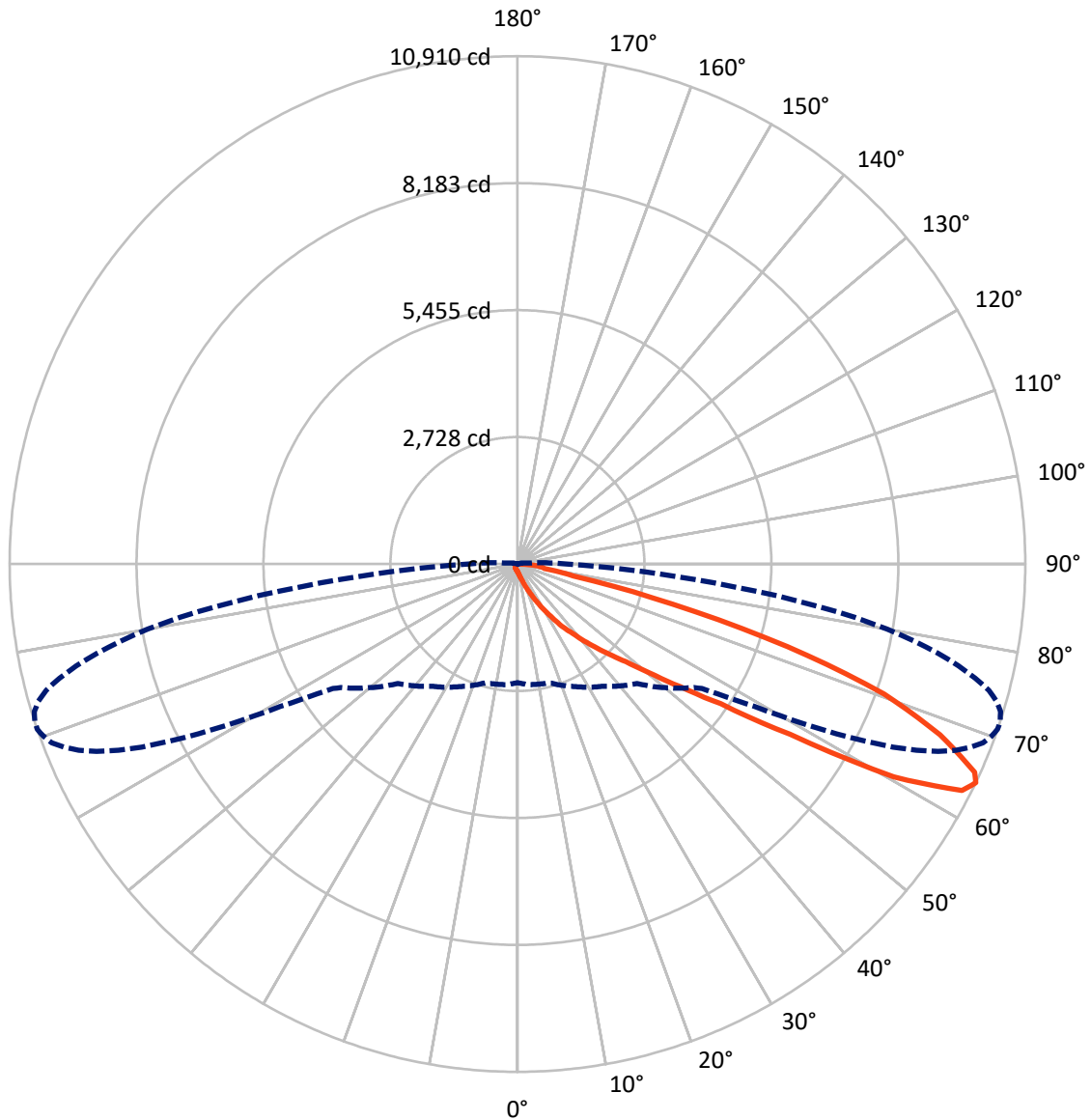
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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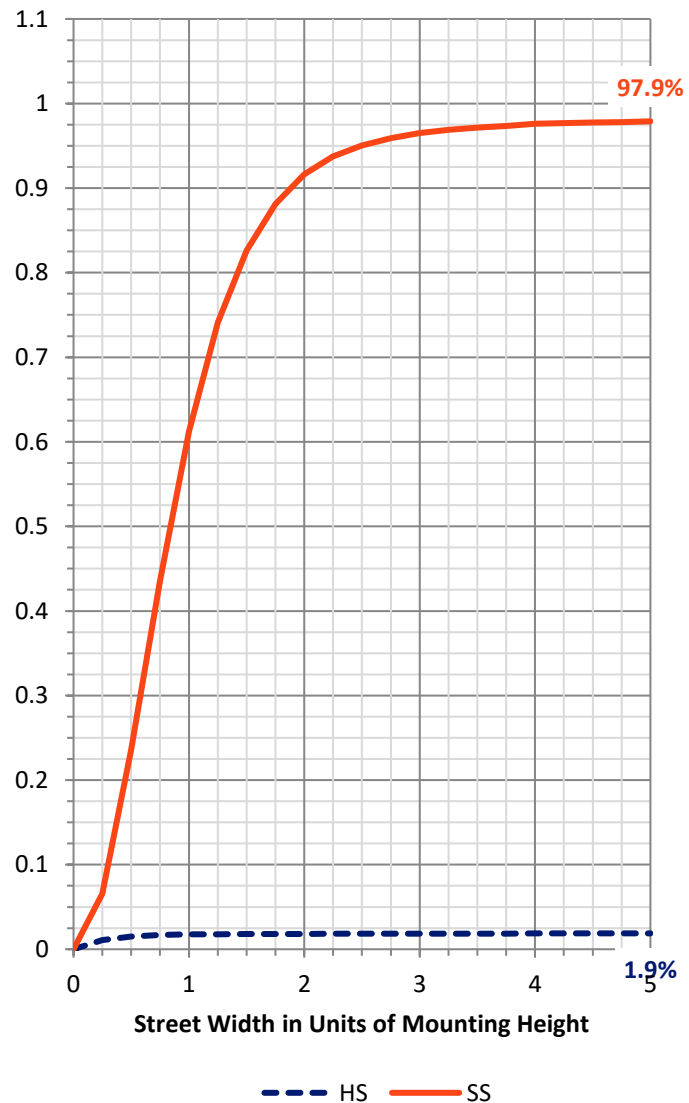
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	138.7	0.0	138.7
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	7105.5	0.0	7105.5
	% Fixture	98.1	0.0	98.1
Total	Lumens	7244.2	0.0	7244.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.2	0.3
10°-20°	131.0	1.8
20°-30°	334.6	4.6
30°-40°	676.7	9.3
40°-50°	1236.9	17.1
50°-60°	1927.1	26.6
60°-70°	2142.0	29.6
70°-80°	698.6	9.6
80°-90°	75.2	1.0
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°	7244.2	100.0
0°-180°	7244.2	100.0



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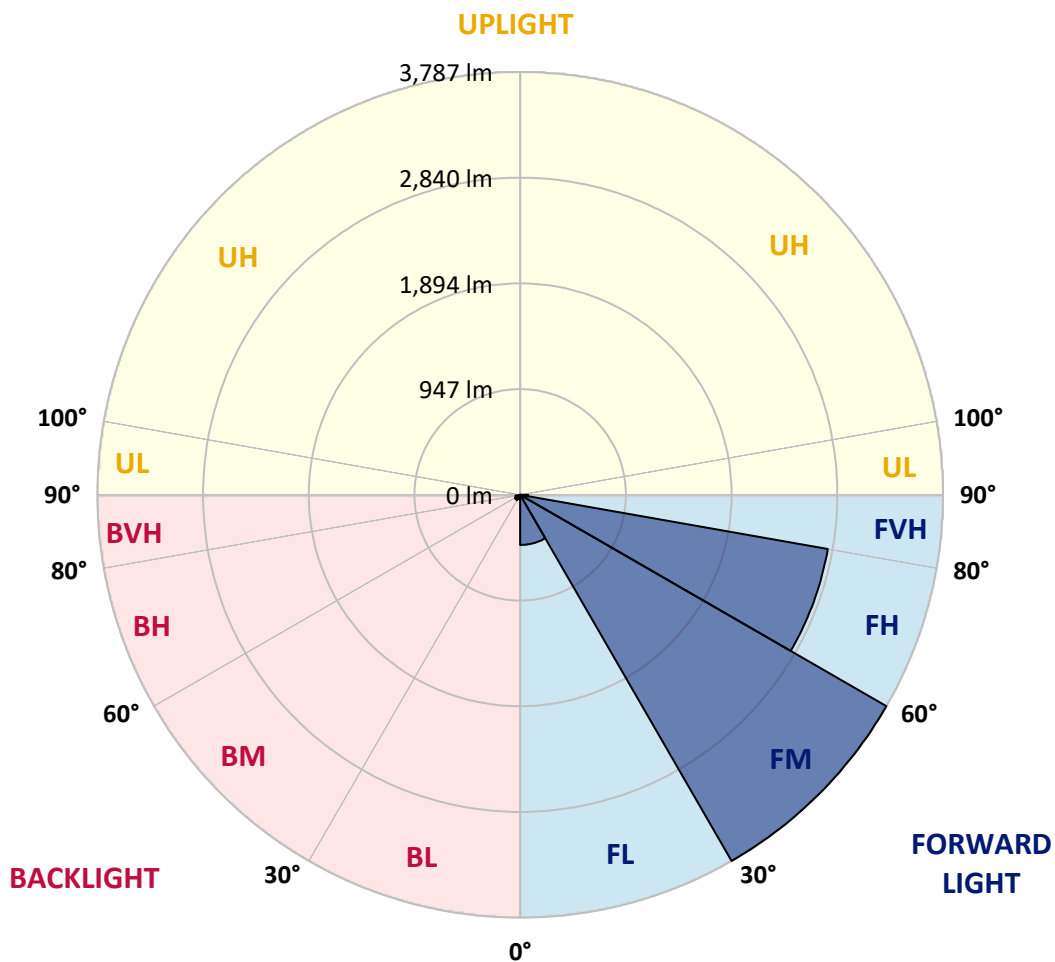
CATALOG NUMBER: AVM-F06-LED-E-U-T2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	449.1	6.2			
FM	(30°-60°)	3787.1	52.3			
FH	(60°-80°)	2797.8	38.6			G2/5000
FVH	(80°-90°)	71.5	1.0			G1/100
BL	(0°-30°)	38.6	0.5	B0/110		
BM	(30°-60°)	53.6	0.7	B0/220		
BH	(60°-80°)	42.8	0.6	B0/110		G0/110
BVH	(80°-90°)	3.6	0.0			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4
2.5°	217.2	214.1	214.1	209.6	203.6	197.5	191.5	190.0	188.5	187.0	187.0
5°	340.8	328.7	324.2	307.6	286.5	260.9	238.3	232.2	232.2	227.7	224.7
7.5°	535.3	529.3	497.6	481.0	431.3	369.5	304.6	298.6	297.1	291.0	282.0
10°	784.2	772.1	749.5	701.2	610.7	503.7	411.7	396.6	386.0	374.0	361.9
12.5°	1033.0	1017.9	984.7	906.3	815.8	678.6	530.8	517.2	500.7	484.1	464.5
15°	1281.8	1271.2	1220.0	1141.5	1023.9	859.6	672.6	648.4	634.9	601.7	586.6
17.5°	1497.4	1483.9	1443.1	1354.2	1232.0	1051.1	829.4	799.2	776.6	757.0	720.8
20°	1684.4	1670.8	1631.6	1557.8	1420.5	1242.6	998.3	983.2	942.5	912.3	891.2
22.5°	1799.0	1794.5	1768.9	1698.0	1575.8	1417.5	1191.3	1167.2	1140.0	1099.3	1075.2
25°	1869.9	1865.4	1850.3	1800.5	1717.6	1601.5	1403.9	1373.8	1349.6	1313.5	1283.3
27.5°	1943.8	1940.8	1928.7	1885.0	1841.3	1768.9	1619.6	1603.0	1550.2	1529.1	1500.4
30°	2065.9	2052.4	2062.9	2041.8	1986.0	1940.8	1836.7	1812.6	1790.0	1753.8	1728.2
32.5°	2260.5	2237.9	2260.5	2237.9	2213.7	2159.4	2059.9	2052.4	2029.8	2007.1	1970.9
35°	2498.7	2489.7	2507.8	2527.4	2507.8	2435.4	2314.8	2292.1	2283.1	2246.9	2233.3
37.5°	2738.5	2755.1	2788.3	2832.0	2819.9	2767.2	2596.8	2575.6	2559.1	2527.4	2503.3
40°	2996.4	2997.9	3068.8	3132.1	3163.8	3132.1	2907.4	2890.8	2868.2	2823.0	2816.9
42.5°	3276.9	3264.8	3317.6	3388.4	3453.3	3497.0	3317.6	3285.9	3254.2	3203.0	3168.3
45°	3525.7	3525.7	3567.9	3634.2	3733.8	3843.9	3750.4	3717.2	3687.0	3644.8	3605.6
47.5°	3709.6	3711.2	3736.8	3833.3	3988.6	4153.0	4156.0	4162.0	4139.4	4089.7	4091.2
50°	3839.3	3822.7	3857.4	3950.9	4130.4	4388.2	4573.7	4584.3	4602.4	4561.7	4573.7
52.5°	3934.3	3926.8	3949.4	4027.8	4207.3	4522.5	4916.0	4961.3	4988.4	4994.5	5044.2
55°	3884.6	3889.1	3943.4	4056.5	4249.5	4611.4	5207.1	5281.0	5344.3	5398.6	5460.4
57.5°	3720.2	3733.8	3828.8	4005.2	4258.6	4683.8	5516.2	5629.3	5748.4	5893.2	6015.4
60°	3457.8	3489.5	3617.7	3865.0	4171.1	4588.8	5608.2	5781.6	5964.1	6184.3	6430.1
62.5°	3073.3	3079.3	3163.8	3403.5	3741.3	4083.6	5186.0	5407.6	5648.9	5967.1	6310.9
64°	2547.0	2601.3	2640.5	2904.4	3206.0	3632.7	4628.0	4781.8	5118.1	5508.7	5941.5
65°	2102.1	2167.0	2198.6	2462.5	2807.9	3215.0	4142.4	4306.8	4661.2	5057.8	5597.6
67.5°	1239.6	1195.8	1287.8	1443.1	1732.7	2215.2	2794.3	2919.5	3183.4	3655.4	4086.6
70°	799.2	799.2	883.7	1042.0	1310.4	1679.9	1919.7	1866.9	1922.7	2105.1	2409.8
72.5°	512.7	539.9	591.1	725.3	974.2	1408.5	1961.9	1713.1	1583.4	1523.1	1520.1
75°	233.7	248.8	304.6	384.5	520.3	918.4	1978.5	1869.9	1750.8	1636.2	1547.2
77.5°	49.8	57.3	96.5	199.1	253.3	423.7	1403.9	1566.8	1696.5	1734.2	1734.2
80°	25.6	27.1	40.7	93.5	108.6	143.3	541.4	711.8	877.6	1096.3	1325.5
82.5°	10.6	12.1	24.1	42.2	45.2	43.7	143.3	181.0	248.8	361.9	539.9
85°	3.0	3.0	10.6	16.6	24.1	19.6	31.7	36.2	46.7	67.9	129.7
87.5°	0.0	0.0	1.5	3.0	4.5	7.5	9.0	9.0	9.0	9.0	9.0
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4
2.5°	185.5	185.5	184.0	182.5	182.5	179.5	179.5	177.9	177.9	176.4	176.4
5°	223.2	220.2	217.2	212.6	211.1	208.1	205.1	202.1	199.1	197.5	194.5
7.5°	277.5	274.5	265.4	259.4	251.8	247.3	241.3	236.8	232.2	229.2	223.2
10°	349.9	339.3	334.8	313.7	309.1	298.6	289.5	283.5	271.4	263.9	256.4
12.5°	452.4	432.8	425.3	389.1	378.5	363.4	352.9	337.8	324.2	315.2	301.6
15°	568.5	553.4	524.8	488.6	469.0	452.4	426.8	414.7	396.6	377.0	357.4
17.5°	707.2	680.1	648.4	601.7	577.6	551.9	527.8	502.2	472.0	453.9	432.8
20°	868.6	839.9	800.7	741.9	713.3	687.6	645.4	627.3	591.1	554.9	527.8
22.5°	1045.0	1016.4	978.7	912.3	874.6	832.4	797.7	766.1	723.8	687.6	656.0
25°	1244.1	1210.9	1182.3	1105.4	1058.6	1014.9	977.2	921.4	885.2	843.0	799.2
27.5°	1470.3	1431.1	1393.4	1308.9	1265.2	1216.9	1171.7	1112.9	1078.2	1008.8	968.1
30°	1702.5	1654.3	1615.1	1529.1	1489.9	1440.1	1378.3	1325.5	1266.7	1220.0	1153.6
32.5°	1946.8	1907.6	1875.9	1785.5	1735.7	1673.9	1618.1	1562.3	1511.0	1435.6	1375.3
35°	2207.7	2173.0	2138.3	2059.9	2016.2	1969.4	1906.1	1838.2	1767.4	1688.9	1634.7
37.5°	2482.1	2455.0	2427.9	2332.9	2281.6	2231.8	2159.4	2091.6	2028.2	1945.3	1853.3
40°	2770.2	2744.5	2700.8	2622.4	2568.1	2522.9	2456.5	2393.2	2307.2	2215.2	2133.8
42.5°	3132.1	3076.3	3038.6	2952.6	2895.3	2845.6	2786.8	2691.8	2619.4	2509.3	2430.9
45°	3555.8	3503.1	3441.2	3353.8	3282.9	3201.5	3118.5	3053.7	2963.2	2863.7	2762.6
47.5°	4032.4	3990.1	3917.8	3831.8	3760.9	3679.5	3581.5	3498.5	3388.4	3272.3	3135.1
50°	4557.1	4513.4	4465.1	4368.6	4297.8	4220.9	4143.9	4045.9	3946.4	3807.7	3665.9
52.5°	5044.2	5053.3	5024.6	4979.4	4944.7	4864.8	4793.9	4700.4	4612.9	4486.3	4376.2
55°	5525.3	5603.7	5633.8	5677.6	5692.7	5627.8	5626.3	5489.1	5436.3	5362.4	5299.1
57.5°	6160.1	6333.5	6470.8	6736.2	6847.8	6960.9	6982.0	6885.5	6985.0	6856.8	6900.5
60°	6700.0	7018.2	7359.0	8045.1	8388.9	8648.3	8856.4	9010.2	9109.7	9278.6	9287.7
62.5°	6748.2	7248.9	7767.6	8768.9	9239.4	9633.0	10008.5	10270.9	10479.0	10670.5	10717.3
64°	6517.5	7137.3	7767.6	8978.6	9459.6	9896.9	10239.2	10500.1	10712.7	10831.9	10910.3
65°	6098.3	6792.0	7517.3	8839.8	9335.9	9800.4	10127.6	10390.0	10590.6	10709.7	10791.2
67.5°	4517.9	5189.0	5917.3	7457.0	8238.1	8663.4	9082.6	9450.6	9611.9	9762.7	9791.4
70°	2753.6	3240.7	3742.8	5170.9	5896.2	6660.8	7132.8	7671.1	8048.1	8280.4	8357.3
72.5°	1661.8	1830.7	2130.8	2898.4	3593.5	4130.4	4783.3	5297.6	5719.8	5953.5	6071.2
75°	1479.3	1458.2	1497.4	1817.1	2064.4	2387.1	2623.9	2946.6	3207.5	3288.9	3441.2
77.5°	1710.1	1649.7	1587.9	1527.6	1515.5	1485.4	1437.1	1449.2	1334.6	1224.5	1227.5
80°	1523.1	1667.8	1753.8	1690.5	1547.2	1402.4	1224.5	1002.8	784.2	648.4	591.1
82.5°	764.5	1087.3	1397.9	1705.5	1684.4	1556.2	1360.2	1117.4	865.6	665.0	530.8
85°	235.2	417.7	588.1	817.3	948.5	930.4	817.3	794.7	567.0	441.8	340.8
87.5°	10.6	10.6	10.6	9.0	10.6	10.6	10.6	12.1	12.1	13.6	13.6
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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CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4
2.5°	176.4	174.9	173.4	171.9	171.9	171.9	170.4	170.4	168.9	168.9	167.4
5°	194.5	191.5	190.0	187.0	187.0	184.0	182.5	181.0	177.9	176.4	174.9
7.5°	218.7	215.6	211.1	206.6	205.1	200.6	196.0	193.0	190.0	187.0	184.0
10°	250.3	244.3	235.2	229.2	224.7	218.7	212.6	208.1	202.1	196.0	193.0
12.5°	291.0	279.0	269.9	259.4	250.3	241.3	230.7	224.7	218.7	209.6	203.6
15°	337.8	325.7	315.2	297.1	282.0	269.9	260.9	247.3	236.8	224.7	215.6
17.5°	417.7	386.0	364.9	346.8	331.8	309.1	291.0	276.0	262.4	247.3	236.8
20°	496.1	469.0	440.3	419.2	386.0	366.4	342.3	321.2	297.1	279.0	260.9
22.5°	610.7	576.1	539.9	508.2	463.0	435.8	404.1	377.0	346.8	316.7	297.1
25°	755.5	704.2	656.0	610.7	568.5	527.8	487.1	443.3	411.7	375.5	342.3
27.5°	907.8	850.5	803.8	744.9	690.7	640.9	589.6	542.9	488.6	441.8	402.6
30°	1099.3	1020.9	966.6	895.7	841.5	772.1	708.8	646.9	580.6	526.3	470.5
32.5°	1293.9	1241.1	1149.1	1088.8	1007.3	924.4	858.0	787.2	705.7	634.9	567.0
35°	1550.2	1459.7	1382.8	1298.4	1209.4	1123.5	1037.5	936.5	853.5	766.1	683.1
37.5°	1776.4	1684.4	1595.5	1485.4	1384.3	1293.9	1189.8	1084.2	986.2	882.2	782.6
40°	2038.8	1924.2	1818.6	1716.1	1590.9	1483.9	1375.3	1244.1	1131.0	1016.4	898.8
42.5°	2325.3	2209.2	2084.0	1966.4	1829.2	1698.0	1563.8	1432.6	1305.9	1167.2	1030.0
45°	2639.0	2516.8	2376.6	2242.4	2093.1	1948.3	1788.5	1637.7	1488.4	1333.1	1174.7
47.5°	3028.0	2871.2	2741.5	2574.1	2388.7	2236.3	2040.3	1868.4	1698.0	1517.0	1339.1
50°	3531.7	3353.8	3166.8	2981.3	2776.2	2583.2	2366.0	2162.5	1934.7	1732.7	1529.1
52.5°	4199.7	4067.0	3849.9	3637.3	3386.9	3141.1	2842.6	2578.7	2286.1	2028.2	1779.4
55°	5148.3	5060.8	4872.3	4640.1	4421.4	4062.5	3718.7	3308.5	2928.5	2557.5	2207.7
57.5°	6865.9	6770.9	6561.3	6505.5	6169.2	5905.3	5502.6	4971.8	4327.9	3760.9	3195.4
60°	9339.0	9153.5	8948.4	8910.7	8515.6	8238.1	7838.5	7273.0	6666.8	5762.0	4991.4
62.5°	10720.3	10664.5	10498.6	10295.0	9952.7	9541.0	9091.7	8544.3	7929.0	7135.8	6218.9
64°	10905.8	10854.5	10711.2	10482.0	10138.2	9729.5	9231.9	8686.0	8069.2	7345.4	6508.5
65°	10789.6	10717.3	10595.1	10384.0	10064.3	9672.2	9171.6	8618.1	7992.3	7295.6	6517.5
67.5°	9853.2	9820.0	9708.4	9512.4	9311.8	8959.0	8518.6	8024.0	7512.8	6822.1	6184.3
70°	8366.3	8342.2	8200.4	8122.0	7790.3	7567.1	7211.2	6822.1	6369.7	5888.7	5345.8
72.5°	6202.4	6120.9	6006.3	5887.2	5662.5	5356.4	5078.9	4664.2	4430.5	4024.8	3718.7
75°	3288.9	3237.6	3059.7	2810.9	2533.4	2390.2	2102.1	1844.3	1639.2	1547.2	1325.5
77.5°	1137.0	1036.0	936.5	824.9	654.5	515.7	411.7	328.7	259.4	229.2	191.5
80°	567.0	538.4	506.7	443.3	372.5	300.1	235.2	185.5	152.3	129.7	116.1
82.5°	459.9	407.2	363.4	318.2	254.8	209.6	165.9	135.7	111.6	98.0	86.0
85°	271.4	208.1	158.3	143.3	111.6	96.5	82.9	70.9	60.3	57.3	52.8
87.5°	10.6	13.6	13.6	10.6	13.6	12.1	12.1	10.6	10.6	10.6	10.6
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-F06-LED-E-U-T2-HSS-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4	161.4
2.5°	167.4	165.9	165.9	164.4	162.9	162.9	162.9	161.4	158.3	152.3	147.8
5°	173.4	171.9	170.4	167.4	165.9	164.4	162.9	162.9	155.3	144.8	137.2
7.5°	181.0	177.9	174.9	171.9	170.4	167.4	164.4	162.9	152.3	138.7	131.2
10°	188.5	184.0	179.5	177.9	173.4	170.4	165.9	162.9	150.8	134.2	123.7
12.5°	197.5	191.5	185.5	181.0	174.9	171.9	167.4	162.9	147.8	129.7	117.6
15°	208.1	199.1	191.5	187.0	181.0	173.4	167.4	162.9	144.8	125.2	111.6
17.5°	221.7	211.1	202.1	193.0	184.0	176.4	170.4	164.4	140.2	119.1	104.1
20°	242.8	229.2	214.1	203.6	191.5	182.5	171.9	164.4	137.2	113.1	98.0
22.5°	271.4	250.3	233.7	215.6	200.6	188.5	176.4	167.4	132.7	107.1	90.5
25°	312.2	285.0	257.9	235.2	215.6	199.1	184.0	171.9	129.7	102.5	86.0
27.5°	357.4	325.7	289.5	262.4	235.2	211.1	194.5	179.5	129.7	99.5	81.4
30°	420.7	375.5	331.8	297.1	260.9	233.7	209.6	190.0	129.7	98.0	76.9
32.5°	497.6	446.4	390.6	340.8	298.6	259.4	229.2	203.6	132.7	95.0	73.9
35°	604.7	529.3	463.0	401.1	345.3	300.1	260.9	226.2	137.2	93.5	69.4
37.5°	689.2	598.7	514.2	443.3	378.5	322.7	272.9	235.2	132.7	87.5	64.8
40°	790.2	687.6	585.1	496.1	422.2	349.9	292.5	247.3	129.7	79.9	58.8
42.5°	912.3	784.2	665.0	564.0	472.0	386.0	318.2	262.4	129.7	75.4	54.3
45°	1026.9	886.7	754.0	627.3	520.3	425.3	342.3	279.0	128.2	70.9	48.3
47.5°	1168.7	1002.8	847.5	701.2	577.6	461.4	367.9	294.1	126.7	66.4	43.7
50°	1336.1	1134.0	959.1	784.2	633.4	505.2	398.1	310.6	123.7	61.8	39.2
52.5°	1521.6	1304.4	1081.2	879.2	702.7	551.9	426.8	325.7	119.1	57.3	34.7
55°	1850.3	1551.7	1287.8	1037.5	808.3	621.3	469.0	348.3	114.6	52.8	30.2
57.5°	2639.0	2144.4	1770.4	1393.4	1064.6	797.7	583.6	413.2	108.6	46.7	24.1
60°	4143.9	3328.1	2693.3	2112.7	1610.5	1224.5	859.6	610.7	116.1	39.2	21.1
62.5°	5315.7	4377.7	3569.4	2841.0	2206.2	1676.9	1251.6	912.3	167.4	34.7	16.6
64°	5621.8	4671.7	3809.2	3046.1	2385.6	1839.7	1396.4	1031.5	215.6	34.7	15.1
65°	5667.0	4762.2	3895.1	3121.5	2447.5	1883.5	1438.6	1070.7	235.2	36.2	13.6
67.5°	5480.0	4709.4	3920.8	3153.2	2494.2	1943.8	1495.9	1132.5	265.4	34.7	10.6
70°	4786.4	4219.3	3570.9	2949.6	2352.5	1847.3	1438.6	1097.8	277.5	33.2	9.0
72.5°	3257.3	2866.7	2483.7	2043.3	1637.7	1349.6	1049.6	773.6	194.5	27.1	7.5
75°	1085.8	1058.6	947.0	717.8	603.2	490.1	392.1	301.6	73.9	16.6	7.5
77.5°	181.0	155.3	135.7	129.7	108.6	105.6	92.0	73.9	31.7	10.6	7.5
80°	105.6	96.5	84.4	75.4	66.4	58.8	49.8	42.2	19.6	7.5	9.0
82.5°	78.4	69.4	61.8	54.3	46.7	40.7	34.7	28.7	10.6	7.5	9.0
85°	45.2	39.2	34.7	30.2	24.1	21.1	18.1	15.1	7.5	7.5	7.5
87.5°	9.0	9.0	7.5	7.5	7.5	7.5	7.5	6.0	7.5	7.5	6.0
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: P154244

CATALOG NUMBER: AVM-F06-LED-E-U-T2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	161.4	161.4	161.4	161.4	161.4	161.4	161.4
2.5°	144.8	140.2	138.7	138.7	138.7	138.7	138.7
5°	132.7	128.2	125.2	123.7	123.7	123.7	123.7
7.5°	123.7	117.6	114.6	111.6	111.6	110.1	110.1
10°	114.6	108.6	104.1	101.0	99.5	99.5	99.5
12.5°	107.1	101.0	95.0	92.0	92.0	90.5	90.5
15°	101.0	92.0	87.5	84.4	84.4	82.9	82.9
17.5°	93.5	86.0	81.4	78.4	76.9	76.9	76.9
20°	86.0	78.4	73.9	72.4	70.9	70.9	69.4
22.5°	79.9	72.4	67.9	66.4	64.8	64.8	63.3
25°	73.9	66.4	61.8	60.3	58.8	57.3	57.3
27.5°	69.4	61.8	57.3	54.3	52.8	51.3	51.3
30°	64.8	55.8	51.3	48.3	46.7	45.2	45.2
32.5°	60.3	51.3	45.2	42.2	40.7	39.2	39.2
35°	54.3	45.2	39.2	37.7	36.2	34.7	33.2
37.5°	49.8	39.2	34.7	31.7	30.2	28.7	28.7
40°	43.7	34.7	30.2	27.1	24.1	22.6	22.6
42.5°	39.2	30.2	25.6	21.1	19.6	18.1	18.1
45°	34.7	27.1	21.1	16.6	15.1	13.6	13.6
47.5°	30.2	22.6	16.6	13.6	12.1	10.6	10.6
50°	25.6	18.1	12.1	9.0	10.6	9.0	9.0
52.5°	22.6	13.6	9.0	9.0	9.0	9.0	9.0
55°	18.1	10.6	7.5	7.5	9.0	9.0	9.0
57.5°	15.1	7.5	6.0	7.5	7.5	7.5	7.5
60°	10.6	6.0	6.0	7.5	7.5	7.5	7.5
62.5°	9.0	6.0	6.0	6.0	7.5	7.5	7.5
64°	7.5	6.0	6.0	6.0	7.5	7.5	7.5
65°	7.5	6.0	6.0	6.0	7.5	7.5	7.5
67.5°	7.5	6.0	6.0	6.0	7.5	7.5	7.5
70°	6.0	6.0	6.0	6.0	7.5	7.5	7.5
72.5°	6.0	6.0	6.0	6.0	7.5	7.5	7.5
75°	6.0	6.0	6.0	6.0	7.5	7.5	7.5
77.5°	6.0	6.0	6.0	7.5	7.5	7.5	7.5
80°	6.0	6.0	6.0	7.5	7.5	7.5	7.5
82.5°	6.0	6.0	6.0	7.5	7.5	7.5	7.5
85°	6.0	6.0	6.0	7.5	7.5	7.5	7.5
87.5°	6.0	6.0	6.0	7.5	7.5	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)