

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: P154775

Luminaire Tested: **AVS-F01-LED-E-U-T2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P154775  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVS-F01-LED-E-U-T2  
Description: VISION SITE SMALL LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA  
Light Source: (7) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2529.3 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

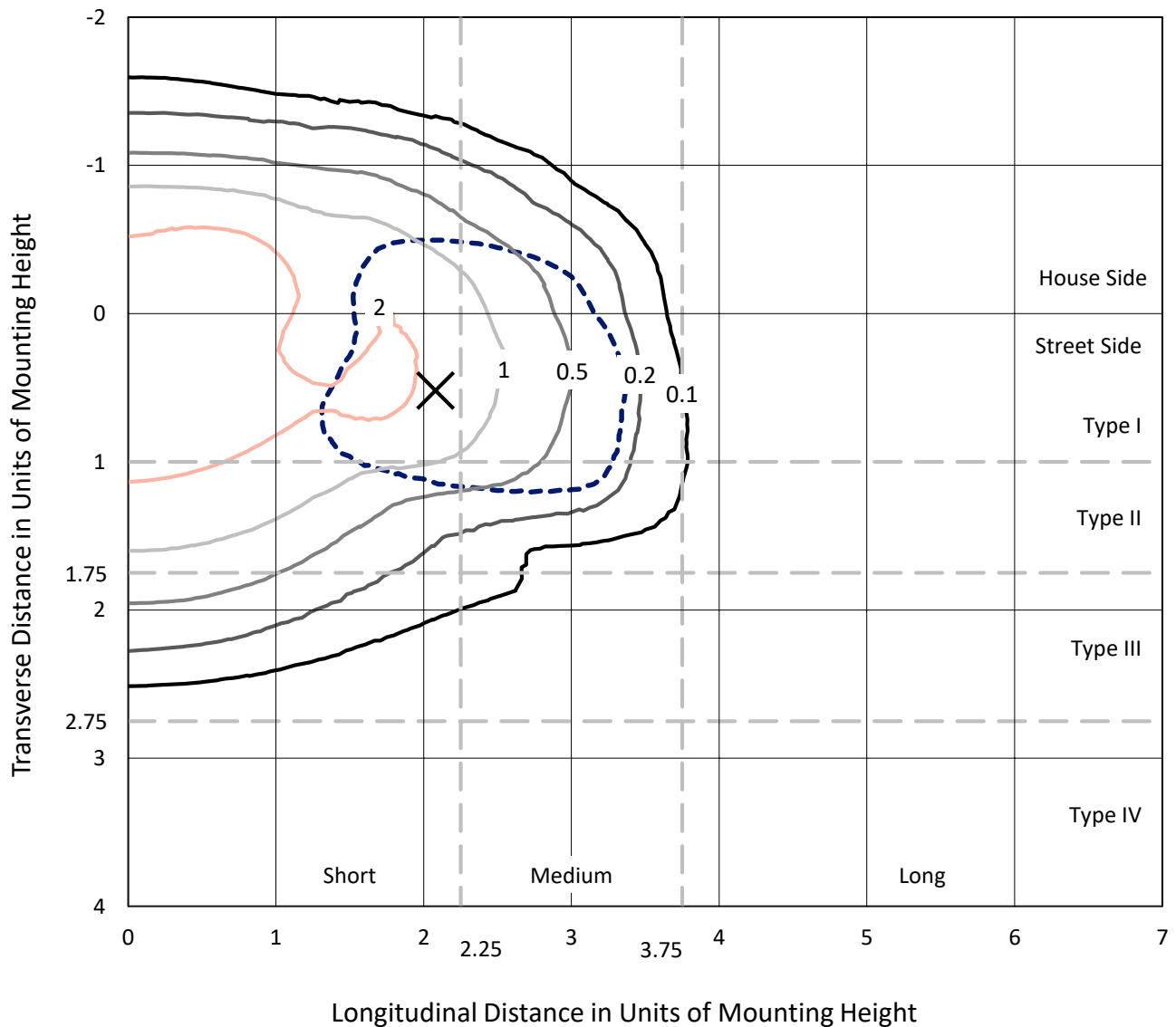
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

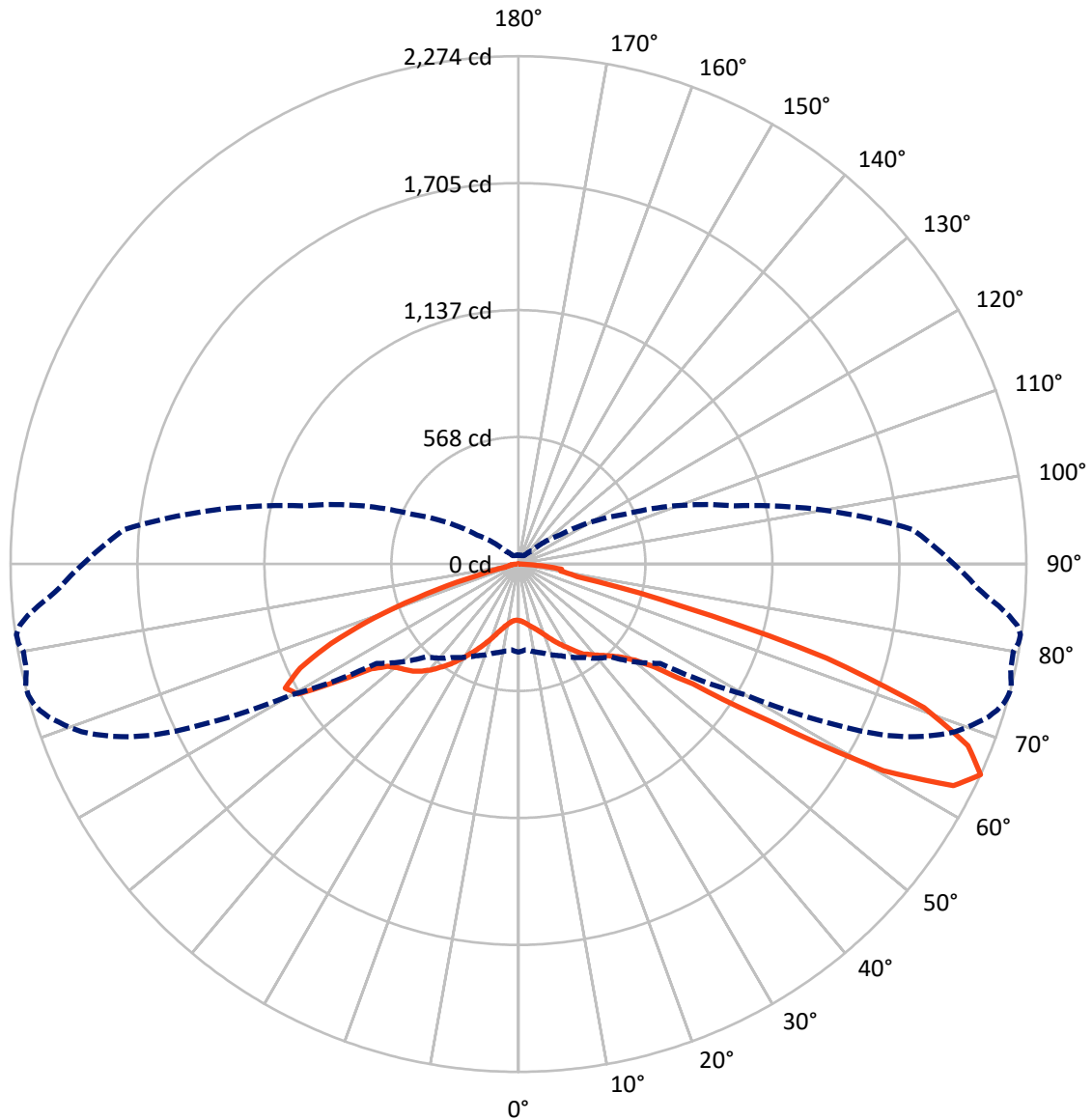
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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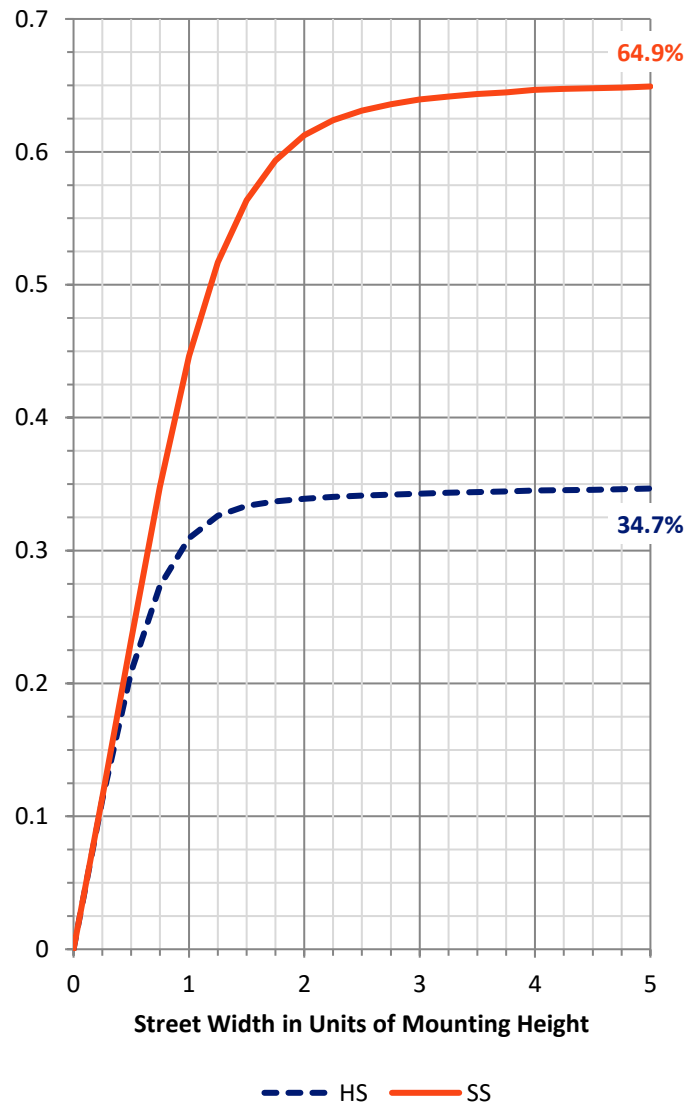
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	885.7	0.0	885.7
	% Fixture	35.0	0.0	35.0
<b>Street Side</b>	Lumens	1643.6	0.0	1643.6
	% Fixture	65.0	0.0	65.0
<b>Total</b>	Lumens	2529.3	0.0	2529.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.3	1.0
10°-20°	87.0	3.4
20°-30°	170.9	6.8
30°-40°	283.9	11.2
40°-50°	417.2	16.5
50°-60°	577.6	22.8
60°-70°	689.4	27.3
70°-80°	243.8	9.6
80°-90°	34.1	1.3
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°	2529.3	100.0
0°-180°	2529.3	100.0

**Coefficient of Utilization**



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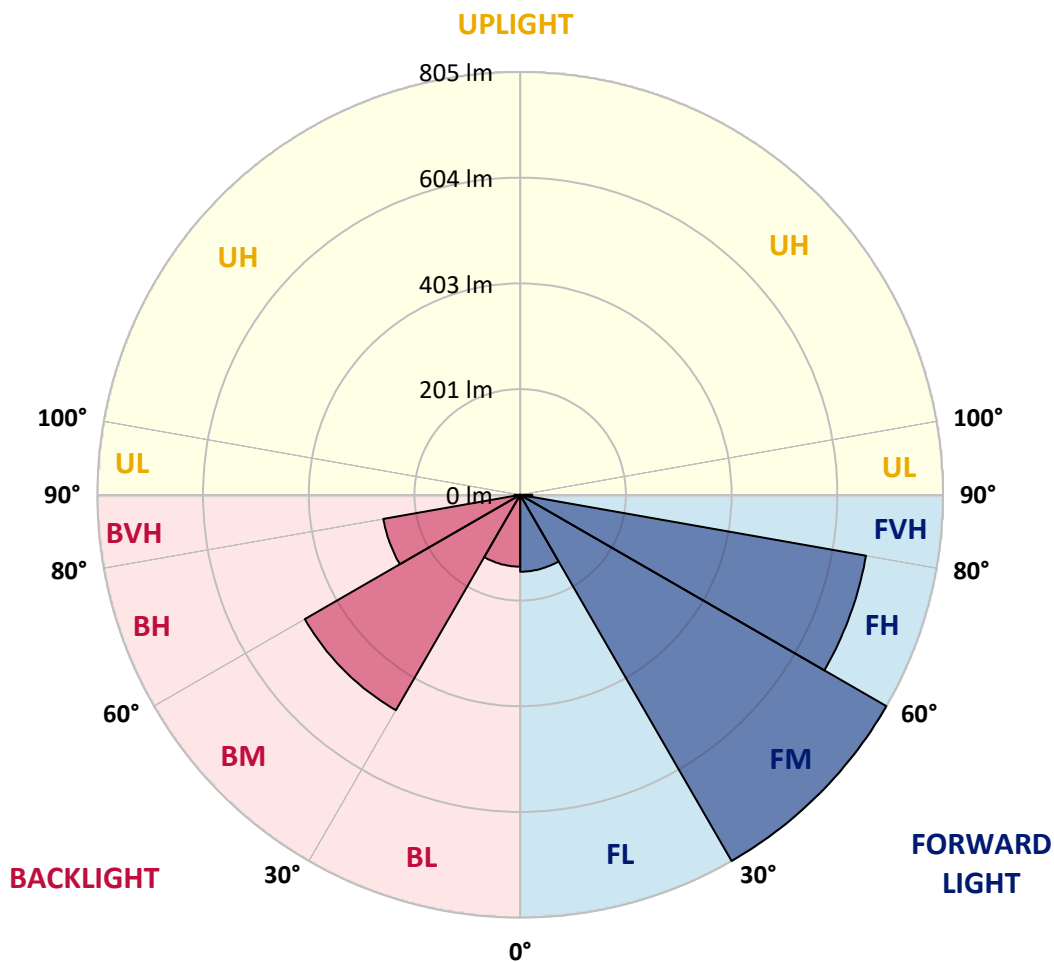
CATALOG NUMBER: AVS-F01-LED-E-U-T2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.3	5.8			
FM	(30°-60°)	805.3	31.8			
FH	(60°-80°)	668.7	26.4			G1/1800
FVH	(80°-90°)	23.3	0.9			G1/100
BL	(0°-30°)	136.8	5.4	B1/500		
BM	(30°-60°)	473.5	18.7	B1/1000		
BH	(60°-80°)	264.6	10.5	B1/500		G1/500
BVH	(80°-90°)	10.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8
2.5°	263.9	264.1	263.6	263.3	262.5	261.1	260.0	259.0	259.0	259.0	258.1
5°	275.4	276.0	274.9	274.1	271.6	270.3	268.3	266.9	266.3	266.1	265.3
7.5°	290.1	289.2	287.6	287.0	285.1	282.1	278.4	275.8	275.8	275.4	275.8
10°	304.7	302.4	301.6	300.7	297.7	293.9	289.7	286.7	286.4	286.2	285.4
12.5°	319.2	318.3	317.5	314.5	311.5	305.5	300.7	297.7	297.5	297.7	296.7
15°	338.4	336.6	335.8	330.5	323.8	317.3	311.5	308.7	307.9	308.2	307.4
17.5°	353.4	353.4	351.4	345.6	337.1	328.0	322.0	320.3	320.0	320.0	320.3
20°	365.2	364.9	363.0	358.2	348.1	339.1	336.0	335.4	335.1	335.1	336.0
22.5°	371.7	371.2	370.4	365.2	357.2	351.1	351.4	353.1	353.6	354.2	355.2
25°	375.0	374.2	374.0	370.4	364.6	363.7	368.7	373.2	374.2	375.3	376.7
27.5°	380.5	379.2	379.8	378.3	377.0	379.5	389.6	394.3	395.1	396.5	397.3
30°	395.8	395.1	397.3	397.9	399.0	402.6	411.9	416.4	418.2	418.2	422.1
32.5°	424.6	424.9	425.4	431.2	433.2	435.6	440.5	444.1	444.5	444.7	448.3
35°	463.4	465.1	469.7	474.7	479.4	479.1	476.1	477.9	476.6	478.2	478.5
37.5°	512.3	510.2	517.1	528.3	535.4	533.6	520.1	511.3	513.8	512.6	511.8
40°	550.1	552.5	565.8	580.6	586.1	592.2	574.6	559.5	557.2	553.1	550.7
42.5°	602.1	602.4	613.1	624.1	640.1	653.3	642.0	620.2	613.7	608.7	597.9
45°	650.3	649.4	658.2	671.7	690.7	709.6	713.8	690.2	687.7	678.9	664.9
47.5°	682.4	681.3	687.4	705.0	735.9	766.9	783.9	776.8	772.1	768.6	746.5
50°	704.1	702.0	708.8	727.6	762.0	809.8	854.4	860.5	858.5	858.5	844.6
52.5°	720.4	720.4	725.4	740.5	775.4	835.1	914.9	945.5	948.0	950.8	949.9
55°	711.3	712.7	725.1	747.2	783.9	852.7	965.1	1031.9	1045.7	1057.2	1070.5
57.5°	680.2	684.9	701.5	737.5	786.2	866.0	1020.6	1153.0	1191.8	1225.4	1277.6
60°	634.8	640.9	664.9	710.8	769.9	844.6	1040.2	1255.3	1317.0	1390.2	1526.6
62.5°	557.0	563.0	586.4	632.3	683.0	762.3	959.3	1270.5	1369.0	1472.7	1679.1
65°	394.6	385.0	411.9	453.3	511.3	588.1	775.1	1168.9	1310.7	1451.3	1706.1
67.5°	219.9	219.1	235.5	266.3	322.0	404.5	534.1	896.5	1026.9	1186.3	1499.2
70°	151.6	153.3	163.7	197.0	243.0	314.3	380.5	563.0	656.9	765.0	1072.6
72.5°	106.5	110.1	115.9	135.6	182.7	264.8	388.8	336.6	383.3	457.1	645.0
75°	62.5	65.0	69.1	78.7	104.0	176.9	402.6	295.9	295.9	313.2	390.2
77.5°	38.5	38.5	41.0	44.9	55.3	86.6	286.7	332.4	323.0	313.2	314.0
80°	19.8	21.1	24.8	26.7	30.8	39.6	128.8	310.2	340.1	360.2	346.2
82.5°	9.1	10.2	15.1	16.3	17.9	20.9	44.4	176.4	236.4	311.2	388.8
85°	4.7	4.7	8.0	9.9	10.8	9.6	16.3	71.3	107.9	164.6	257.5
87.5°	0.8	0.8	1.3	1.7	2.5	2.2	2.8	4.1	6.8	7.5	7.7
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8
2.5°	257.8	258.1	257.8	257.5	257.0	257.0	257.0	256.8	256.8	256.8	256.5
5°	265.3	264.1	264.5	263.9	263.6	263.3	263.6	263.1	262.5	262.8	262.5
7.5°	274.6	274.1	273.0	273.0	272.7	272.1	272.1	271.3	271.1	270.5	270.3
10°	285.1	283.7	284.2	283.7	283.9	282.9	282.3	281.8	281.2	281.2	281.6
12.5°	295.9	295.5	294.7	294.2	294.2	293.4	293.6	293.4	292.5	292.2	291.4
15°	306.8	306.8	306.0	306.3	306.0	305.5	304.9	304.9	304.4	303.8	304.0
17.5°	319.8	319.8	319.8	319.8	320.0	319.2	319.5	319.0	318.3	319.5	319.5
20°	336.6	337.6	337.6	337.4	338.8	337.9	337.6	339.1	337.6	339.6	339.3
22.5°	355.8	356.9	356.9	358.0	358.2	359.1	359.7	359.1	360.2	361.3	361.3
25°	377.3	378.3	379.2	380.8	381.7	381.1	381.3	382.8	383.3	384.5	385.5
27.5°	399.8	400.1	401.2	403.1	404.5	405.1	405.3	407.6	407.8	408.4	409.4
30°	421.9	424.6	424.0	426.5	427.4	428.2	429.8	430.7	432.5	433.7	433.7
32.5°	447.7	447.2	449.3	451.3	452.6	454.0	455.4	456.5	457.6	458.1	460.9
35°	479.9	481.0	481.0	481.2	484.6	484.9	486.0	488.4	489.2	490.9	492.0
37.5°	511.8	509.9	509.6	509.6	508.5	509.3	509.6	509.9	511.0	511.3	512.3
40°	547.6	545.1	542.9	541.6	539.4	536.3	535.8	534.4	535.2	534.9	535.2
42.5°	596.6	589.7	584.5	580.6	576.2	573.0	570.5	566.8	564.4	561.3	560.8
45°	659.1	646.1	637.3	631.0	624.7	615.5	610.4	604.9	599.9	594.9	590.8
47.5°	741.0	727.3	713.3	701.7	691.8	677.2	662.4	654.1	644.5	636.0	629.8
50°	837.6	821.1	814.5	798.2	785.9	763.8	745.5	731.9	712.7	699.8	688.5
52.5°	936.4	932.3	928.7	914.9	900.4	887.7	871.5	847.8	828.3	813.4	790.3
55°	1071.0	1073.0	1071.5	1064.1	1058.9	1046.7	1040.2	1019.5	1010.7	989.2	965.1
57.5°	1297.4	1312.8	1332.4	1340.1	1350.6	1340.6	1352.2	1366.2	1331.3	1343.4	1321.7
60°	1586.6	1657.4	1699.5	1751.2	1785.1	1832.4	1840.9	1853.3	1849.7	1856.6	1870.7
62.5°	1763.3	1847.3	1927.9	1986.5	2049.2	2083.9	2125.7	2154.9	2185.2	2205.5	2199.8
65°	1815.3	1901.8	1974.9	2039.1	2095.2	2137.5	2176.4	2213.0	2240.7	2260.3	2271.8
67.5°	1624.4	1737.2	1814.2	1889.3	1961.8	2006.3	2038.8	2074.3	2115.0	2148.8	2155.4
70°	1222.3	1391.6	1500.8	1590.8	1675.9	1735.9	1781.2	1814.2	1845.9	1870.1	1896.5
72.5°	764.5	912.4	1037.4	1154.1	1244.4	1326.9	1365.2	1438.3	1428.7	1447.2	1466.9
75°	458.1	530.3	599.1	681.3	728.7	797.4	809.8	822.0	815.6	795.0	810.4
77.5°	318.3	330.3	329.6	325.0	320.0	307.9	292.2	283.7	277.9	269.6	273.0
80°	320.3	294.7	255.6	214.9	177.5	152.7	142.8	142.8	153.0	167.6	182.2
82.5°	382.8	355.5	317.0	265.3	210.3	171.2	145.0	134.6	136.5	151.3	170.1
85°	258.1	264.1	231.7	211.9	167.9	130.7	109.5	88.9	78.7	81.1	91.9
87.5°	9.3	11.3	4.1	5.5	3.8	3.3	3.3	3.6	2.5	3.0	2.8
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8
2.5°	256.2	256.0	256.0	255.3	255.3	255.1	255.1	254.8	254.5	254.5	254.3
5°	262.3	262.0	261.5	261.1	260.6	260.6	260.3	259.8	259.8	259.2	259.0
7.5°	270.8	270.3	269.6	269.4	269.1	268.3	268.3	267.8	267.8	267.2	266.9
10°	280.9	280.4	279.9	280.1	279.3	279.1	278.4	278.4	277.6	277.4	277.4
12.5°	291.9	291.7	291.7	290.9	290.6	290.3	289.2	289.2	289.2	288.7	288.9
15°	303.8	304.0	303.2	304.0	303.8	303.0	303.0	303.0	301.9	303.2	302.2
17.5°	319.8	320.6	320.0	320.3	319.8	319.8	320.0	319.8	320.3	320.3	322.0
20°	339.6	339.8	341.2	340.6	340.6	340.4	340.9	341.2	342.3	341.8	342.9
22.5°	361.3	362.7	363.0	364.0	364.0	363.7	364.4	365.4	366.0	366.8	366.5
25°	386.1	386.9	388.0	386.6	388.8	388.8	389.3	390.8	391.0	391.0	393.0
27.5°	409.2	411.4	411.7	413.1	412.2	412.7	414.7	415.5	416.6	416.6	417.2
30°	435.3	436.2	436.7	438.3	438.0	438.3	438.7	440.0	440.0	441.3	442.8
32.5°	462.3	462.8	463.4	465.1	465.6	466.7	466.1	467.3	468.6	468.9	469.7
35°	494.5	495.0	495.5	498.0	498.3	500.3	500.8	500.3	502.5	501.1	502.5
37.5°	513.2	515.6	516.3	517.9	517.3	518.8	519.5	520.6	521.1	522.3	524.5
40°	536.1	536.9	538.5	539.4	540.4	540.7	541.9	542.7	543.4	545.9	548.4
42.5°	559.5	560.5	561.3	562.5	563.8	565.0	565.8	568.2	568.8	570.5	575.1
45°	587.8	587.3	587.5	587.8	588.3	589.7	592.2	594.6	596.3	600.2	604.0
47.5°	623.0	619.4	618.0	615.9	616.4	619.4	620.0	624.1	627.4	631.0	635.6
50°	676.4	666.7	660.9	655.2	654.6	656.3	658.4	662.9	666.7	671.4	678.0
52.5°	766.1	747.7	736.1	720.1	715.8	714.9	713.3	715.8	716.8	723.1	735.5
55°	947.7	913.6	891.6	866.8	843.7	836.8	823.6	826.3	823.6	827.5	845.9
57.5°	1326.9	1299.7	1278.2	1246.5	1206.9	1164.8	1154.4	1111.2	1119.7	1144.5	1128.5
60°	1877.5	1867.6	1852.2	1837.1	1782.9	1752.3	1702.5	1697.0	1662.1	1662.4	1639.5
62.5°	2185.7	2198.3	2189.0	2184.7	2181.6	2171.9	2147.2	2117.5	2072.8	2040.7	1993.4
65°	2273.8	2263.0	2252.8	2251.5	2250.7	2266.3	2269.9	2249.0	2208.6	2158.4	2103.9
67.5°	2171.1	2165.1	2165.6	2154.1	2161.2	2188.5	2207.5	2201.7	2164.6	2103.9	2034.6
70°	1926.7	1914.9	1927.0	1942.2	1953.0	1968.6	1987.6	1992.2	1958.4	1896.3	1825.5
72.5°	1442.7	1444.7	1456.3	1460.3	1503.5	1499.2	1516.2	1460.6	1436.2	1377.0	1340.6
75°	759.2	746.8	779.1	710.8	682.7	702.3	647.5	594.9	605.9	615.0	549.5
77.5°	268.3	251.0	221.6	209.6	174.5	147.8	120.8	109.0	102.6	99.4	95.2
80°	192.6	198.1	192.0	177.7	151.1	121.0	95.4	75.4	64.7	58.9	55.0
82.5°	194.8	216.6	226.2	222.1	197.8	149.7	98.8	63.0	46.7	39.1	36.4
85°	104.6	114.5	110.1	92.7	83.4	49.8	34.1	22.8	19.3	17.6	16.3
87.5°	4.1	3.3	2.8	2.8	3.0	3.3	2.8	3.0	2.8	2.8	2.8
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: AVS-F01-LED-E-U-T2

**CANDELA DISTRIBUTION (continued):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8	252.8
2.5°	253.7	253.7	253.7	253.5	252.8	251.5	250.2	249.0	248.2	247.4	246.3
5°	258.7	258.1	258.1	258.1	256.0	253.7	251.8	249.8	248.2	246.8	245.7
7.5°	266.9	266.6	265.5	265.3	263.6	260.0	257.8	254.5	252.6	250.7	250.2
10°	276.8	276.6	276.3	276.0	273.8	270.3	267.5	264.5	261.7	259.0	256.2
12.5°	288.4	288.1	287.9	287.0	286.2	284.2	281.2	277.9	274.6	268.8	265.8
15°	302.7	303.2	302.7	302.4	301.9	302.2	300.2	295.5	290.3	282.9	276.6
17.5°	321.7	321.1	320.8	322.0	321.7	323.0	322.5	316.5	308.5	296.7	285.6
20°	342.6	342.6	343.7	344.6	347.0	350.6	348.9	341.5	326.9	310.4	296.1
22.5°	367.7	368.2	369.3	368.7	372.5	378.3	379.0	368.5	349.4	326.6	306.5
25°	393.8	394.3	393.3	394.9	401.2	409.4	411.1	396.3	371.2	341.5	315.3
27.5°	418.5	419.1	419.1	421.2	427.4	441.3	443.0	426.5	393.3	354.4	321.7
30°	442.8	445.0	445.5	446.0	455.1	474.7	478.2	454.3	412.5	364.0	326.1
32.5°	473.3	474.1	475.2	476.6	487.0	511.0	511.0	478.2	424.9	370.2	326.9
35°	506.0	506.3	508.8	509.1	523.9	547.9	543.2	498.0	433.7	368.7	320.8
37.5°	525.9	526.9	529.4	532.7	548.4	582.3	571.5	515.1	435.3	359.7	307.0
40°	550.4	552.5	555.0	558.3	581.8	617.2	595.4	525.9	428.5	341.8	286.4
42.5°	576.8	579.8	583.6	589.7	617.5	648.1	613.7	527.5	412.7	321.7	262.0
45°	606.5	612.0	616.4	623.5	654.9	674.7	624.7	517.9	393.0	295.2	235.9
47.5°	640.9	645.3	653.0	660.7	692.0	692.8	625.7	499.2	366.0	268.8	208.1
50°	683.2	686.0	697.6	702.3	731.7	711.9	617.7	473.9	337.6	239.2	177.2
52.5°	739.7	743.5	758.3	765.5	786.4	737.7	606.5	446.3	305.2	205.8	145.6
55°	851.1	867.9	878.3	890.8	904.2	796.4	601.6	416.9	268.6	167.4	115.3
57.5°	1164.0	1158.4	1181.6	1209.6	1209.4	930.4	631.3	391.6	225.4	128.0	88.6
60°	1630.2	1635.3	1623.5	1640.3	1586.9	1096.6	672.0	364.9	176.7	95.2	67.7
62.5°	1976.6	1946.3	1929.5	1909.7	1792.2	1114.7	642.3	310.2	128.5	66.8	52.0
65°	2058.5	2023.1	1987.0	1949.3	1772.1	1005.0	526.9	227.6	83.1	45.9	41.2
67.5°	1977.7	1920.7	1874.8	1836.0	1623.8	833.0	385.3	139.8	47.6	37.1	35.2
70°	1768.0	1705.0	1630.7	1587.3	1367.4	613.9	246.8	75.4	36.6	33.1	32.2
72.5°	1294.2	1242.4	1161.2	1111.4	981.9	373.2	137.8	42.4	34.1	31.6	30.6
75°	504.1	477.2	443.3	446.0	398.1	165.1	62.5	36.6	33.3	31.1	29.9
77.5°	86.6	84.5	78.1	78.1	88.9	60.3	41.6	36.9	33.1	30.6	28.6
80°	52.0	50.9	48.4	47.9	46.2	42.4	39.9	37.4	32.4	28.9	26.4
82.5°	34.1	32.7	31.9	31.6	34.4	37.1	37.4	37.1	30.8	25.1	21.5
85°	14.6	14.6	14.6	14.8	19.8	29.9	30.8	33.1	25.3	19.6	15.4
87.5°	2.5	3.0	3.0	3.3	3.6	6.6	8.3	10.8	8.5	8.3	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):**

	165°	175°	180°
0°	252.8	252.8	252.8
2.5°	246.0	245.5	245.5
5°	245.2	244.7	244.9
7.5°	248.5	247.4	247.7
10°	254.5	253.5	252.8
12.5°	262.3	260.8	260.8
15°	270.3	266.9	266.6
17.5°	276.8	272.7	272.1
20°	284.2	278.8	277.9
22.5°	291.1	283.7	282.6
25°	296.1	287.0	285.6
27.5°	298.2	287.6	286.4
30°	299.9	287.9	286.2
32.5°	298.2	285.4	283.9
35°	289.2	275.1	274.3
37.5°	273.6	257.8	256.8
40°	252.8	236.4	233.6
42.5°	226.4	211.1	208.1
45°	200.8	183.3	181.9
47.5°	173.4	156.6	157.4
50°	144.5	129.3	129.0
52.5°	117.0	103.7	102.9
55°	92.2	82.8	82.0
57.5°	73.0	68.0	67.2
60°	59.5	57.0	56.2
62.5°	47.9	47.0	46.7
65°	39.9	39.9	39.9
67.5°	34.7	34.9	34.9
70°	31.9	32.2	31.9
72.5°	30.8	31.6	31.6
75°	29.9	30.6	29.4
77.5°	29.4	29.7	27.8
80°	29.1	28.9	25.3
82.5°	25.3	24.5	21.5
85°	23.1	17.6	14.8
87.5°	11.8	8.3	6.3
90°	0.0	0.0	0.0

(END OF REPORT)