

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: P151454

Luminaire Tested: **AVS-F01-LED-E-U-SL3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P151454
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
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-SL3-7030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2289.2 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - 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

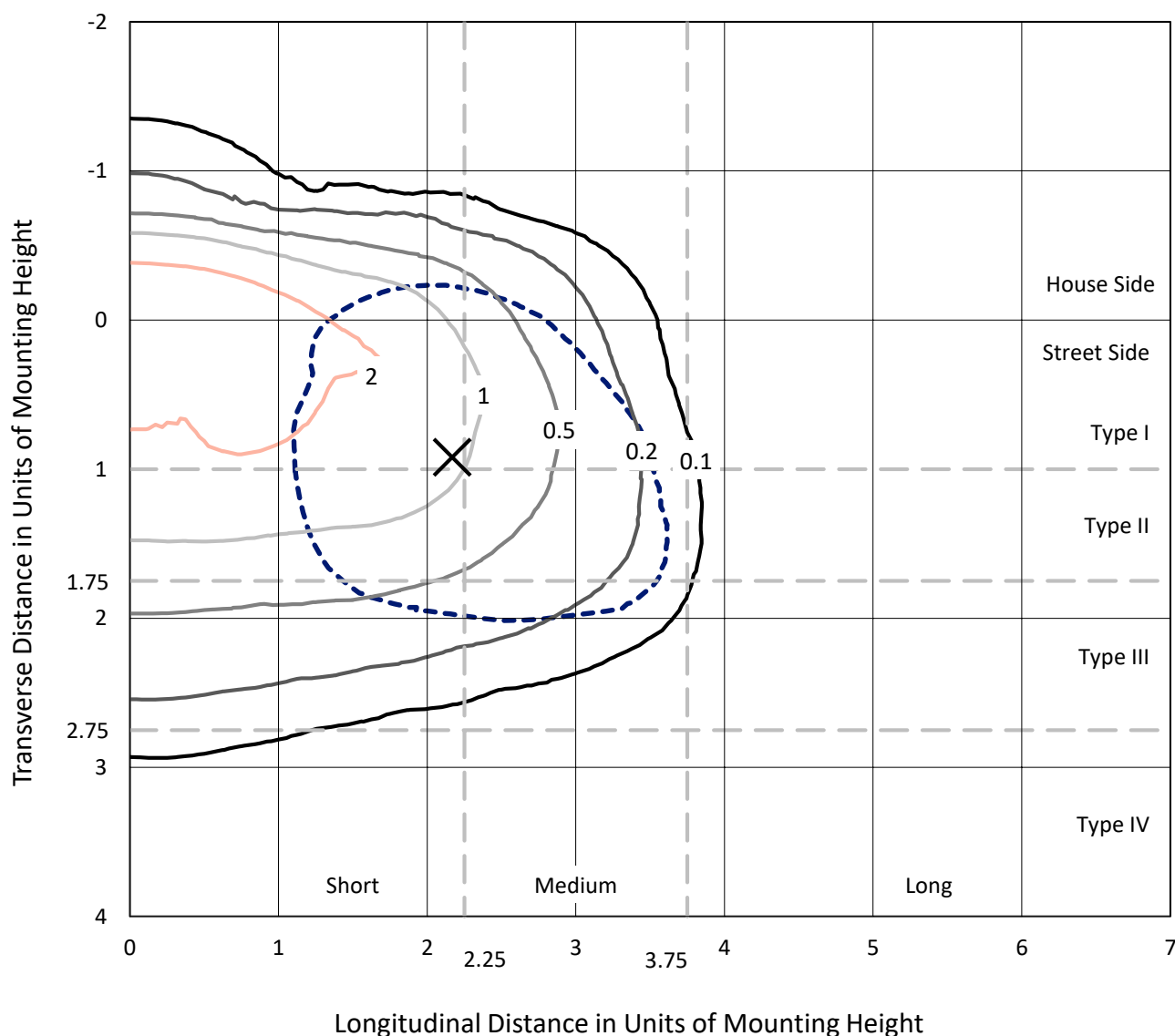


REPORT NUMBER: P151454

CATALOG NUMBER: AVS-F01-LED-E-U-SL3-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

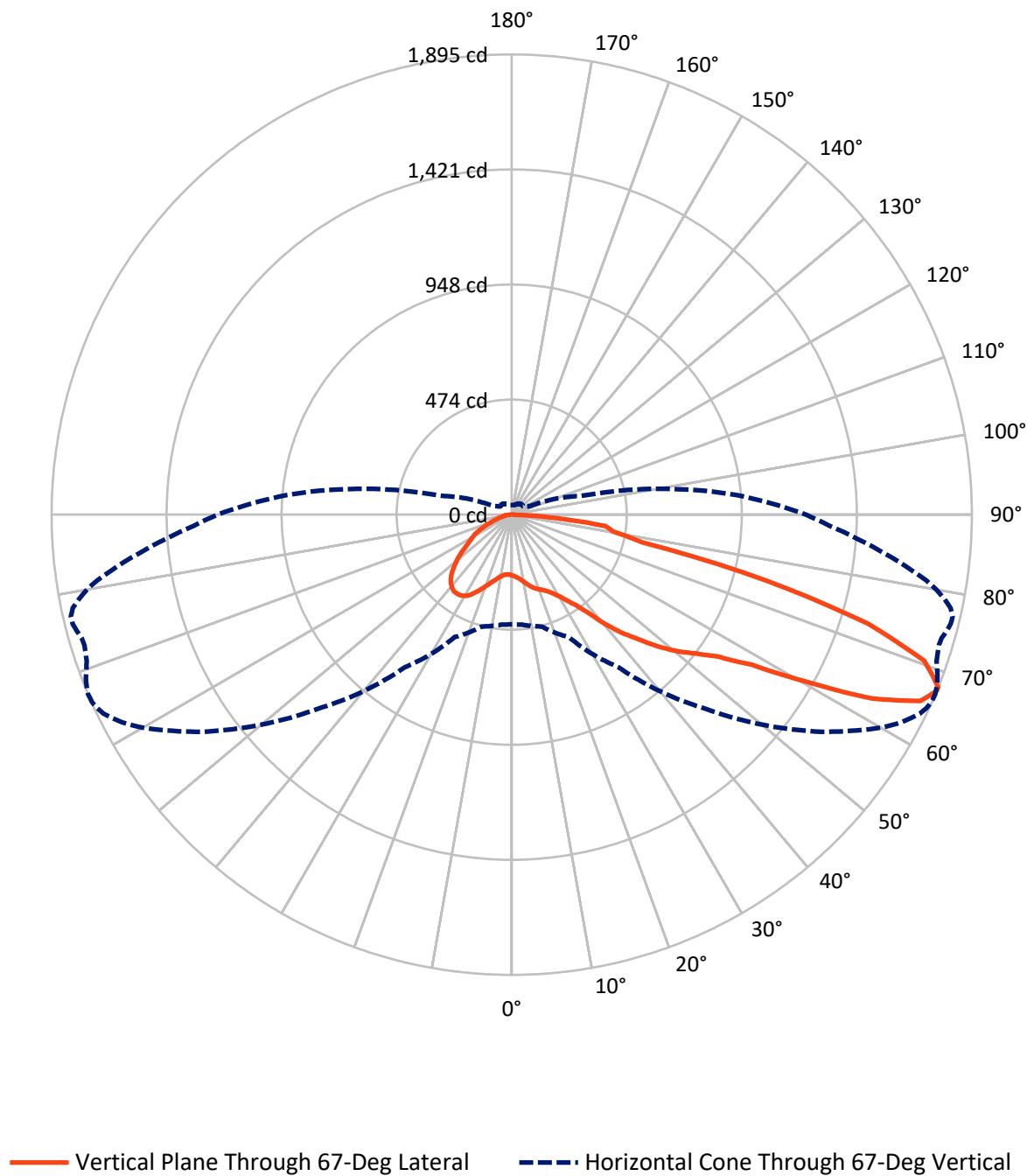


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P151454

CATALOG NUMBER: AVS-F01-LED-E-U-SL3-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P151454

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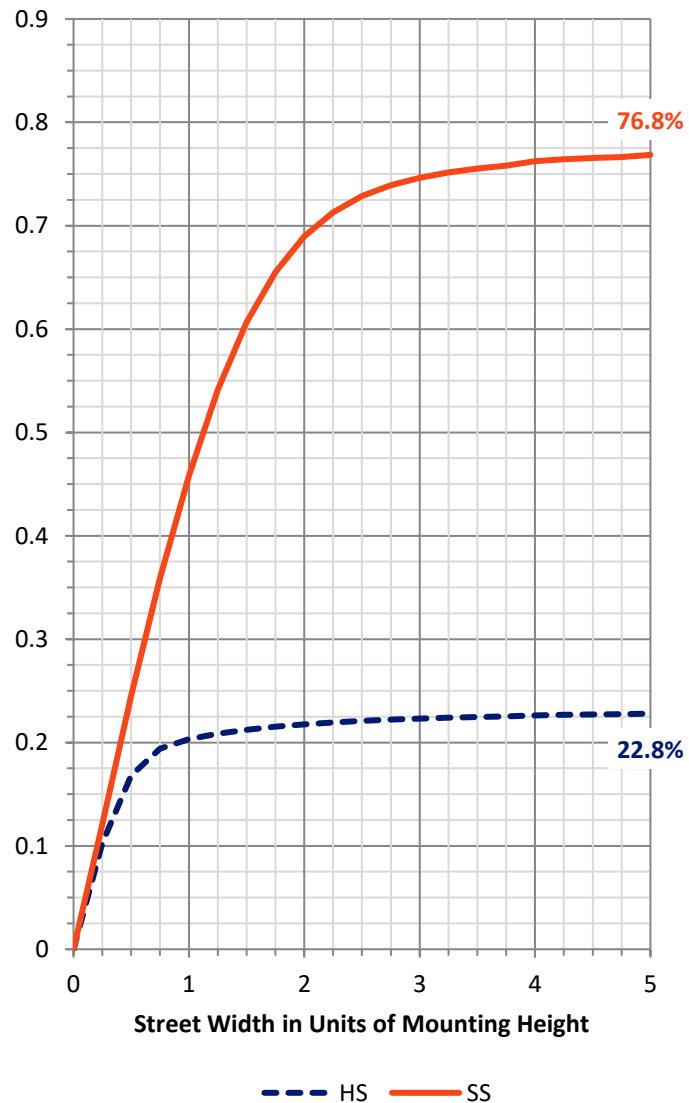
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	528.3	0.0	528.3
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1761.0	0.0	1761.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	2289.2	0.0	2289.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	1.1
10°-20°	85.4	3.7
20°-30°	150.7	6.6
30°-40°	216.4	9.5
40°-50°	328.6	14.4
50°-60°	483.9	21.1
60°-70°	643.0	28.1
70°-80°	314.6	13.7
80°-90°	41.8	1.8
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°	2289.2	100.0
0°-180°	2289.2	100.0

Coefficient of Utilization



REPORT NUMBER: P151454

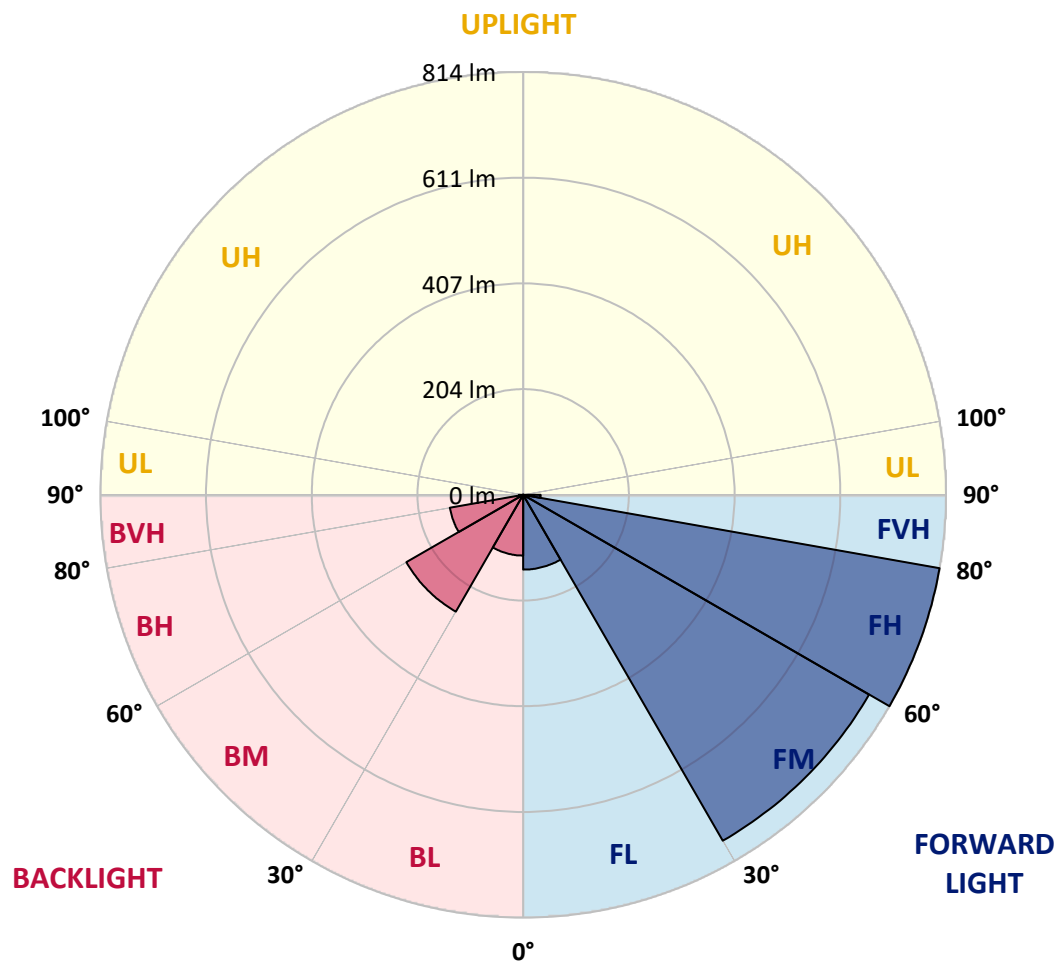
CATALOG NUMBER: AVS-F01-LED-E-U-SL3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.0	6.3			
FM	(30°-60°)	769.1	33.6			
FH	(60°-80°)	814.3	35.6			G1/1800
FVH	(80°-90°)	33.6	1.5			G1/100
BL	(0°-30°)	117.0	5.1	B1/500		
BM	(30°-60°)	259.7	11.3	B1/1000		
BH	(60°-80°)	143.3	6.3	B1/500		G1/500
BVH	(80°-90°)	8.2	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P151454

CATALOG NUMBER: AVS-F01-LED-E-U-SL3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1
2.5°	261.9	262.2	261.7	261.3	259.9	258.3	257.4	256.1	256.1	256.1	255.6
5°	276.7	275.8	276.5	274.7	271.7	268.9	266.1	263.9	263.4	263.4	262.4
7.5°	294.6	293.3	292.8	290.3	285.8	281.8	276.2	274.0	272.7	272.2	271.7
10°	316.2	316.2	313.0	308.6	302.6	295.5	289.5	285.5	285.3	285.3	283.0
12.5°	338.3	338.8	334.5	330.3	320.4	311.2	304.1	299.6	299.4	298.3	297.1
15°	358.7	357.4	354.6	348.4	337.5	326.5	317.7	313.2	312.1	311.2	310.4
17.5°	375.4	374.2	370.7	362.7	351.4	338.3	327.5	322.7	322.2	321.7	320.7
20°	386.0	385.1	380.0	370.7	358.9	345.6	334.0	330.8	329.7	329.7	329.2
22.5°	392.1	390.6	383.3	371.0	359.4	349.6	340.0	338.0	337.3	337.5	337.5
25°	395.1	393.9	383.5	365.9	354.9	352.1	348.1	346.8	347.0	347.4	347.9
27.5°	395.5	393.9	381.8	359.4	349.1	356.9	359.7	361.7	361.7	362.7	364.5
30°	391.8	389.8	378.2	354.4	346.6	366.4	377.5	382.8	384.8	384.2	388.3
32.5°	385.3	384.0	374.7	354.4	353.6	385.3	404.9	412.4	413.5	414.0	418.4
35°	383.0	382.8	378.8	366.4	375.4	418.4	448.4	454.2	455.4	455.4	458.7
37.5°	382.5	383.8	388.3	389.0	414.0	467.8	506.9	515.8	515.8	518.2	518.2
40°	382.5	385.3	402.4	422.7	460.9	531.8	586.1	596.2	596.2	599.0	597.4
42.5°	397.3	401.3	429.5	468.2	520.2	597.9	660.2	671.6	672.3	671.6	673.8
45°	426.5	430.1	464.2	519.8	581.3	668.8	731.1	744.7	742.0	743.7	744.5
47.5°	465.2	470.8	509.7	576.1	640.9	734.4	810.6	822.9	821.9	822.6	819.4
50°	506.4	512.2	555.6	631.8	700.2	787.2	874.4	892.7	891.0	892.2	894.0
52.5°	542.9	546.4	588.4	673.8	745.2	836.5	923.4	946.2	950.3	950.8	952.0
55°	564.5	568.8	607.3	694.7	777.8	884.7	979.5	1014.1	1021.9	1023.9	1029.4
57.5°	572.0	576.6	611.5	697.7	795.8	929.9	1057.6	1118.7	1125.2	1136.1	1153.6
60°	571.8	576.6	606.9	690.9	813.8	986.0	1179.3	1281.6	1314.7	1325.8	1350.9
62.5°	548.4	553.9	584.9	670.3	836.9	1057.6	1360.2	1517.5	1560.3	1580.4	1607.6
65°	497.1	501.1	530.1	618.0	830.4	1128.2	1511.5	1707.8	1746.7	1776.2	1824.7
67°	451.6	454.2	476.8	556.2	766.5	1130.8	1559.3	1755.0	1789.0	1820.1	1870.2
67.5°	440.1	445.4	462.9	537.3	742.7	1116.4	1556.0	1747.8	1782.5	1814.8	1867.7
70°	358.1	365.7	374.5	424.5	583.8	939.3	1440.6	1621.6	1652.0	1682.2	1755.8
72.5°	220.9	234.5	236.3	267.9	380.0	649.2	1165.7	1367.5	1390.4	1412.0	1487.4
75°	130.2	132.2	138.4	164.1	222.9	388.1	782.2	1015.9	1037.0	1047.6	1106.6
77.5°	72.6	74.6	79.9	102.1	171.4	261.3	455.4	596.9	609.7	623.0	613.5
80°	30.2	33.0	35.4	41.2	80.2	206.3	313.2	379.5	387.8	395.5	405.4
82.5°	14.6	15.5	19.1	21.9	29.1	84.7	245.6	329.0	338.8	350.2	373.0
85°	6.7	7.6	10.6	12.5	14.1	21.3	82.2	160.1	173.7	176.2	180.7
87.5°	0.5	0.5	1.2	1.8	2.5	2.8	8.5	12.0	13.6	12.3	15.5
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: P151454

CATALOG NUMBER: AVS-F01-LED-E-U-SL3-7030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1
2.5°	255.3	255.1	254.6	254.6	254.3	254.3	254.3	253.9	253.9	253.9	253.6
5°	262.2	261.9	261.1	261.1	260.6	260.6	259.9	259.6	259.2	259.2	258.9
7.5°	271.0	270.7	269.6	269.6	268.9	268.7	268.2	267.5	267.5	266.9	266.4
10°	283.0	282.3	282.0	280.7	281.0	280.5	280.0	279.3	278.8	278.2	277.7
12.5°	296.6	296.6	295.3	294.6	295.0	294.6	293.6	293.3	292.5	292.5	291.8
15°	309.4	309.4	308.9	307.9	308.1	307.4	307.2	306.6	305.6	305.9	305.6
17.5°	320.4	320.4	319.7	319.2	319.2	318.4	318.7	318.1	317.7	317.4	316.7
20°	329.2	329.2	328.7	328.3	328.5	328.5	327.8	327.8	327.8	327.3	327.3
22.5°	337.8	338.0	338.0	338.0	338.3	338.5	338.3	338.8	338.5	339.1	339.1
25°	349.1	349.8	350.4	350.4	351.6	351.8	352.1	352.8	352.8	353.6	353.9
27.5°	365.9	366.4	368.5	368.9	369.2	371.2	371.5	372.4	373.5	373.7	374.0
30°	389.0	390.4	391.8	392.8	392.8	395.3	396.4	395.9	398.7	399.4	400.4
32.5°	420.0	420.9	422.5	423.5	424.5	425.8	426.0	427.3	429.5	431.5	430.3
35°	459.0	461.5	459.0	461.7	462.5	464.2	463.7	465.2	466.2	466.9	466.7
37.5°	515.4	514.2	513.7	512.7	511.0	517.0	514.0	513.7	512.2	516.5	513.7
40°	589.8	590.7	591.4	587.4	585.1	585.1	584.4	581.6	580.3	584.1	583.6
42.5°	667.6	668.3	664.8	662.3	656.5	655.8	652.2	651.4	650.2	652.2	650.2
45°	738.1	738.7	730.9	732.1	727.6	728.4	722.8	725.1	722.1	724.0	727.9
47.5°	817.1	818.1	811.3	814.1	809.5	806.7	806.5	808.0	804.8	806.7	807.8
50°	888.7	887.5	883.9	884.7	882.7	883.2	880.2	882.9	879.2	883.2	882.7
52.5°	952.3	950.8	950.1	952.5	950.8	950.8	949.0	950.3	950.8	956.8	958.0
55°	1029.4	1030.7	1031.9	1036.5	1038.5	1035.2	1038.5	1044.8	1045.1	1059.4	1067.2
57.5°	1153.4	1162.2	1166.6	1169.4	1181.2	1180.0	1187.6	1202.6	1204.1	1237.3	1256.7
60°	1369.5	1385.1	1399.9	1391.9	1415.8	1423.0	1427.6	1455.8	1464.5	1496.0	1512.7
62.5°	1642.5	1644.2	1667.4	1660.0	1673.6	1670.4	1675.9	1688.7	1700.2	1726.1	1742.0
65°	1833.0	1841.2	1850.3	1841.0	1840.7	1829.7	1822.7	1822.4	1829.4	1834.9	1852.5
67°	1884.8	1893.1	1895.3	1888.5	1878.7	1864.7	1851.6	1844.8	1840.2	1842.8	1853.8
67.5°	1884.2	1892.0	1894.8	1888.3	1874.7	1862.9	1849.0	1841.2	1835.2	1836.5	1845.8
70°	1777.2	1794.0	1803.0	1805.1	1803.3	1782.7	1770.9	1763.8	1758.9	1746.5	1745.7
72.5°	1505.7	1526.1	1533.2	1544.5	1549.4	1519.1	1506.2	1514.0	1496.5	1457.5	1459.3
75°	1105.6	1107.2	1083.5	1079.0	1062.2	993.3	972.6	953.8	923.6	876.7	832.4
77.5°	576.3	576.1	548.9	535.1	515.0	473.5	471.5	437.8	414.2	371.2	355.6
80°	409.4	416.0	425.0	429.5	422.5	406.4	384.2	360.4	333.1	306.1	274.0
82.5°	380.7	384.8	389.5	372.0	362.2	339.6	322.7	288.0	268.7	238.0	205.6
85°	185.2	197.5	188.0	176.9	173.2	135.4	131.0	109.3	99.3	81.7	76.2
87.5°	11.8	14.6	13.1	11.8	10.3	5.8	7.8	5.5	5.8	4.2	3.7
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: P151454

CATALOG NUMBER: AVS-F01-LED-E-U-SL3-7030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1
2.5°	253.6	253.4	253.1	252.8	252.5	252.5	252.3	252.1	251.8	251.3	251.3
5°	258.3	258.3	258.1	257.6	257.6	257.1	256.4	256.1	256.1	255.6	255.1
7.5°	266.1	265.9	265.4	265.2	264.7	264.1	263.6	263.1	262.9	262.2	261.9
10°	277.9	277.5	276.2	275.8	275.4	274.9	274.4	274.0	273.2	272.7	272.4
12.5°	291.3	291.1	290.1	290.6	289.3	288.8	288.3	287.0	287.6	286.5	286.0
15°	304.7	304.9	304.4	304.4	303.3	302.6	302.1	301.1	300.8	300.3	299.8
17.5°	316.5	316.9	316.2	315.6	315.1	314.7	313.7	312.6	312.6	311.6	311.2
20°	327.3	327.8	327.5	326.9	326.2	326.0	325.5	324.8	324.8	324.2	323.4
22.5°	339.6	339.8	339.8	339.6	338.8	339.1	338.5	337.8	338.0	337.0	337.0
25°	354.4	354.9	355.3	355.6	355.1	355.3	354.9	354.4	354.1	354.4	354.1
27.5°	374.7	375.2	376.8	375.4	376.8	377.0	376.3	375.2	376.0	377.2	376.5
30°	401.7	401.1	403.1	403.4	403.1	403.4	402.9	402.2	402.6	404.9	403.6
32.5°	431.8	432.7	433.3	433.8	434.5	435.5	434.8	434.1	435.3	434.5	436.3
35°	468.2	470.5	471.3	470.5	471.0	472.7	472.5	472.7	475.2	472.7	476.1
37.5°	514.2	516.5	518.2	517.2	518.4	518.4	520.5	526.0	522.5	527.0	530.6
40°	581.0	584.6	584.9	584.6	585.8	587.4	589.3	595.4	591.4	596.2	599.4
42.5°	649.9	654.2	655.8	653.2	656.0	659.3	659.5	664.8	665.0	665.8	667.6
45°	727.6	731.4	734.4	733.2	733.4	737.6	736.7	741.7	737.9	737.9	739.0
47.5°	810.3	813.8	815.9	817.8	815.3	819.1	820.8	819.8	815.3	814.3	808.3
50°	885.7	888.7	891.7	897.2	897.0	898.8	900.0	895.5	894.5	888.9	882.2
52.5°	965.6	973.4	980.2	991.7	993.5	999.6	997.3	989.7	988.5	979.5	970.4
55°	1077.0	1099.3	1109.1	1126.9	1139.1	1138.8	1133.8	1132.5	1122.9	1104.9	1094.1
57.5°	1270.8	1305.7	1322.5	1345.6	1349.4	1347.2	1340.6	1329.0	1312.4	1282.1	1262.5
60°	1550.5	1572.1	1591.7	1597.2	1600.0	1595.8	1572.8	1547.2	1514.8	1472.8	1437.8
62.5°	1761.9	1783.9	1798.5	1796.3	1779.0	1757.1	1723.6	1680.6	1635.1	1588.2	1535.9
65°	1869.4	1878.7	1876.5	1858.9	1829.2	1791.0	1742.2	1689.2	1635.6	1580.1	1525.8
67°	1863.6	1863.8	1848.5	1814.4	1776.4	1728.4	1668.8	1611.0	1548.2	1489.8	1425.3
67.5°	1853.3	1852.3	1831.0	1793.5	1752.5	1703.0	1641.2	1581.3	1516.3	1457.5	1390.6
70°	1736.7	1722.6	1674.4	1614.5	1557.5	1490.7	1425.8	1357.2	1283.8	1233.3	1156.4
72.5°	1427.0	1379.6	1296.4	1233.8	1172.7	1085.3	1044.8	959.6	908.1	875.9	817.8
75°	826.4	786.6	722.3	663.7	634.1	582.4	557.7	495.1	482.1	481.6	461.5
77.5°	315.4	275.2	233.8	188.3	160.1	127.2	112.1	100.3	91.2	97.5	88.5
80°	236.5	194.5	152.0	110.6	79.0	58.3	50.1	46.2	43.9	42.2	40.9
82.5°	176.2	139.0	107.8	70.4	49.2	37.2	32.1	30.2	29.1	27.4	25.9
85°	59.6	47.8	37.7	26.1	20.6	16.8	15.5	15.1	14.3	13.1	12.3
87.5°	3.3	3.0	3.3	2.5	3.0	2.5	2.8	2.8	2.8	2.5	2.5
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: P151454

CATALOG NUMBER: AVS-F01-LED-E-U-SL3-7030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1	250.1
2.5°	251.1	251.1	251.1	250.6	249.8	248.3	246.8	245.6	244.2	243.5	243.0
5°	254.8	254.3	254.1	253.9	252.1	249.1	246.3	243.8	241.2	239.3	238.5
7.5°	261.7	260.6	260.4	259.6	257.4	252.8	248.8	244.8	241.2	238.5	237.3
10°	271.9	271.9	270.5	269.4	266.9	260.9	255.1	249.8	245.1	242.1	241.2
12.5°	285.0	285.0	283.7	283.0	280.0	272.2	265.2	258.9	254.3	251.3	251.1
15°	298.5	298.3	297.3	296.3	293.1	284.8	277.7	272.2	268.4	264.9	263.9
17.5°	310.7	310.7	309.4	308.4	305.1	298.0	291.8	287.8	283.5	276.2	270.7
20°	322.7	323.0	322.0	320.9	318.1	312.1	309.4	305.4	295.9	280.0	266.9
22.5°	336.1	337.0	335.8	334.8	332.5	329.9	329.0	319.5	299.4	274.0	254.8
25°	353.2	354.9	353.4	352.8	351.6	352.3	349.3	327.3	294.3	260.9	237.0
27.5°	376.5	376.5	376.8	376.8	376.3	379.0	368.0	327.5	283.2	244.0	215.6
30°	403.9	405.4	404.9	404.9	406.9	408.7	378.2	322.0	269.2	223.2	189.5
32.5°	436.8	438.0	438.5	436.3	444.4	435.3	382.1	311.9	251.8	197.3	158.3
35°	476.5	478.2	479.6	479.8	485.1	458.4	380.0	297.1	226.9	164.9	124.1
37.5°	528.3	531.8	534.6	535.9	536.1	478.0	374.5	277.5	194.5	128.7	92.5
40°	597.2	600.9	600.2	602.7	588.4	489.6	361.9	249.1	154.3	94.5	71.4
42.5°	663.5	664.0	665.0	662.8	633.6	495.6	344.4	214.4	115.6	70.7	61.0
45°	737.6	733.4	728.6	725.1	675.3	497.9	320.2	172.1	81.7	59.3	56.6
47.5°	807.3	801.5	791.7	781.7	712.5	494.4	289.3	128.9	62.1	54.3	53.6
50°	875.6	864.9	851.0	839.5	748.2	489.1	255.1	93.0	54.3	51.8	51.0
52.5°	960.3	942.3	924.1	909.0	794.7	480.8	219.2	70.7	51.0	49.7	48.8
55°	1076.5	1051.3	1022.2	1001.0	857.8	468.2	181.5	59.8	49.5	48.5	47.0
57.5°	1237.3	1199.6	1166.6	1132.2	944.0	455.4	149.0	55.5	49.2	47.8	45.7
60°	1401.7	1356.5	1314.5	1265.2	1031.9	442.6	126.4	55.0	50.1	47.8	44.8
62.5°	1487.2	1440.4	1389.8	1339.9	1069.9	412.4	110.9	55.8	51.8	48.5	44.8
65°	1467.6	1410.5	1359.2	1308.2	1025.9	355.3	93.8	56.8	55.3	51.5	45.5
67°	1369.0	1309.4	1260.2	1211.4	927.9	297.6	80.4	57.8	59.1	55.0	47.0
67.5°	1334.3	1274.7	1226.2	1178.8	899.0	285.5	77.2	58.3	59.8	56.1	47.5
70°	1106.3	1062.6	1011.1	974.4	727.9	211.4	63.3	59.3	64.4	61.9	49.7
72.5°	796.2	754.5	715.8	695.4	536.1	147.8	53.3	58.3	67.2	65.1	50.8
75°	423.2	420.7	406.6	416.7	331.7	96.5	47.0	54.5	64.0	59.6	47.3
77.5°	85.5	88.0	103.3	101.8	107.0	53.8	40.2	46.7	49.5	43.7	38.4
80°	39.7	39.0	38.2	38.8	37.9	34.4	32.6	36.7	34.4	28.2	25.6
82.5°	24.7	24.1	23.4	23.1	25.6	27.4	28.6	28.9	22.9	19.6	18.9
85°	11.8	11.8	11.6	12.0	15.1	22.4	24.1	21.3	15.3	14.1	13.4
87.5°	2.3	2.3	2.5	2.3	3.0	5.3	6.0	7.0	5.8	6.0	6.7
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: P151454

CATALOG NUMBER: AVS-F01-LED-E-U-SL3-7030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	250.1	250.1	250.1
2.5°	242.5	242.1	242.1
5°	237.5	237.3	237.3
7.5°	236.3	236.5	236.3
10°	241.0	240.7	241.8
12.5°	251.6	252.3	252.1
15°	262.6	263.1	263.1
17.5°	265.9	264.1	263.9
20°	257.4	254.1	253.4
22.5°	241.2	235.2	235.5
25°	220.9	213.7	214.1
27.5°	197.3	189.5	189.2
30°	168.9	160.3	156.1
32.5°	134.7	124.5	124.5
35°	101.2	93.0	89.9
37.5°	76.9	72.1	70.7
40°	64.0	61.9	61.3
42.5°	58.3	57.5	57.3
45°	55.3	54.8	54.5
47.5°	52.5	52.2	52.0
50°	50.5	50.3	50.1
52.5°	48.8	48.3	48.0
55°	46.2	46.2	46.2
57.5°	44.8	44.8	44.5
60°	43.2	43.0	43.0
62.5°	42.0	41.5	41.8
65°	41.2	40.4	40.4
67°	40.7	39.2	39.2
67.5°	40.7	38.8	38.8
70°	40.0	36.7	36.2
72.5°	39.2	34.4	33.7
75°	37.2	32.6	31.9
77.5°	31.9	29.1	28.6
80°	24.7	21.3	21.9
82.5°	17.8	15.3	15.1
85°	12.8	11.1	11.1
87.5°	6.7	5.8	6.0
90°	0.0	0.0	0.0

(END OF REPORT)