

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: P149743

Luminaire Tested: **AVS-F01-LED-E-U-SL2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P149743
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
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-SL2-HSS-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1277.5 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - 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

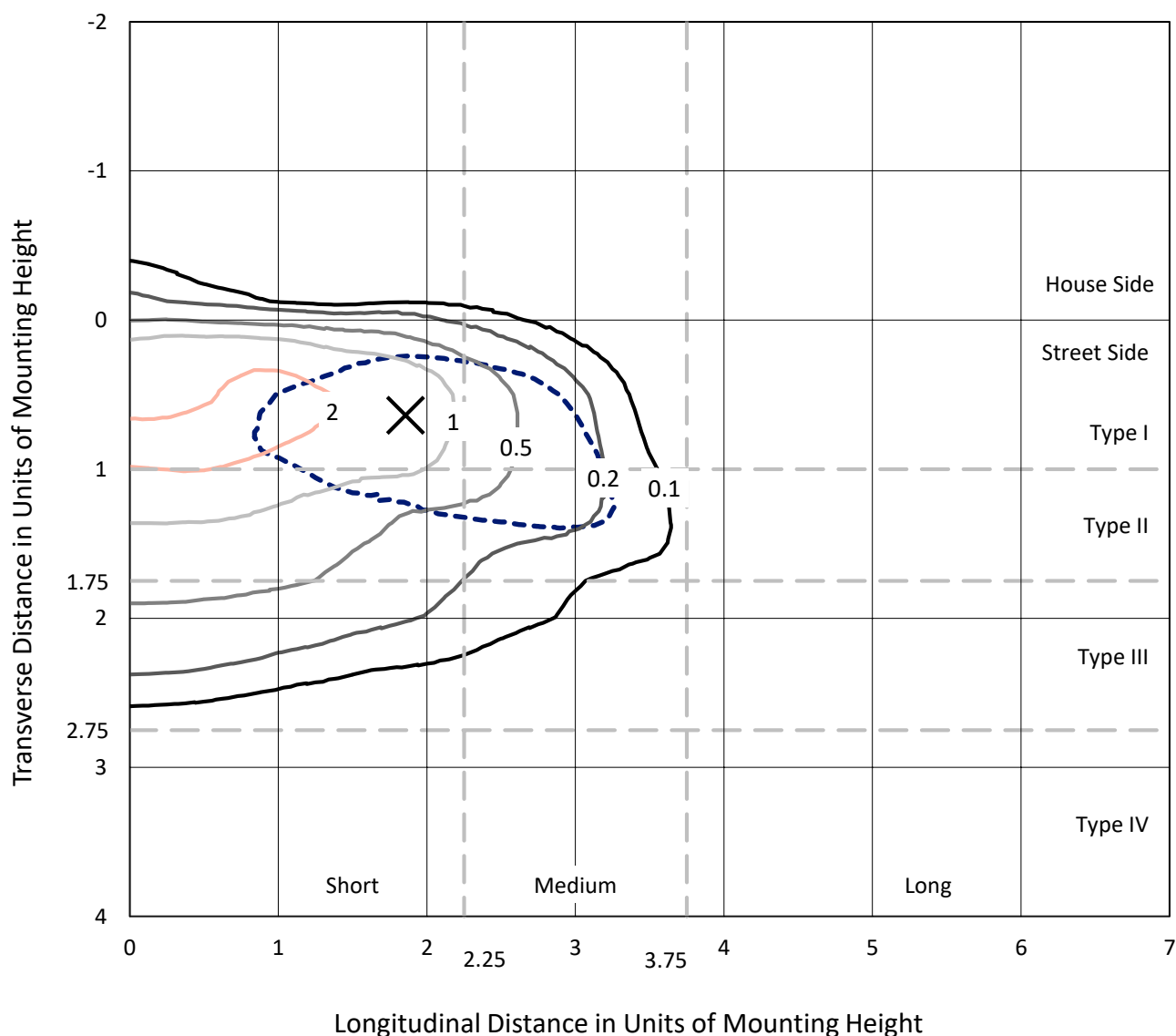


REPORT NUMBER: P149743

CATALOG NUMBER: AVS-F01-LED-E-U-SL2-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

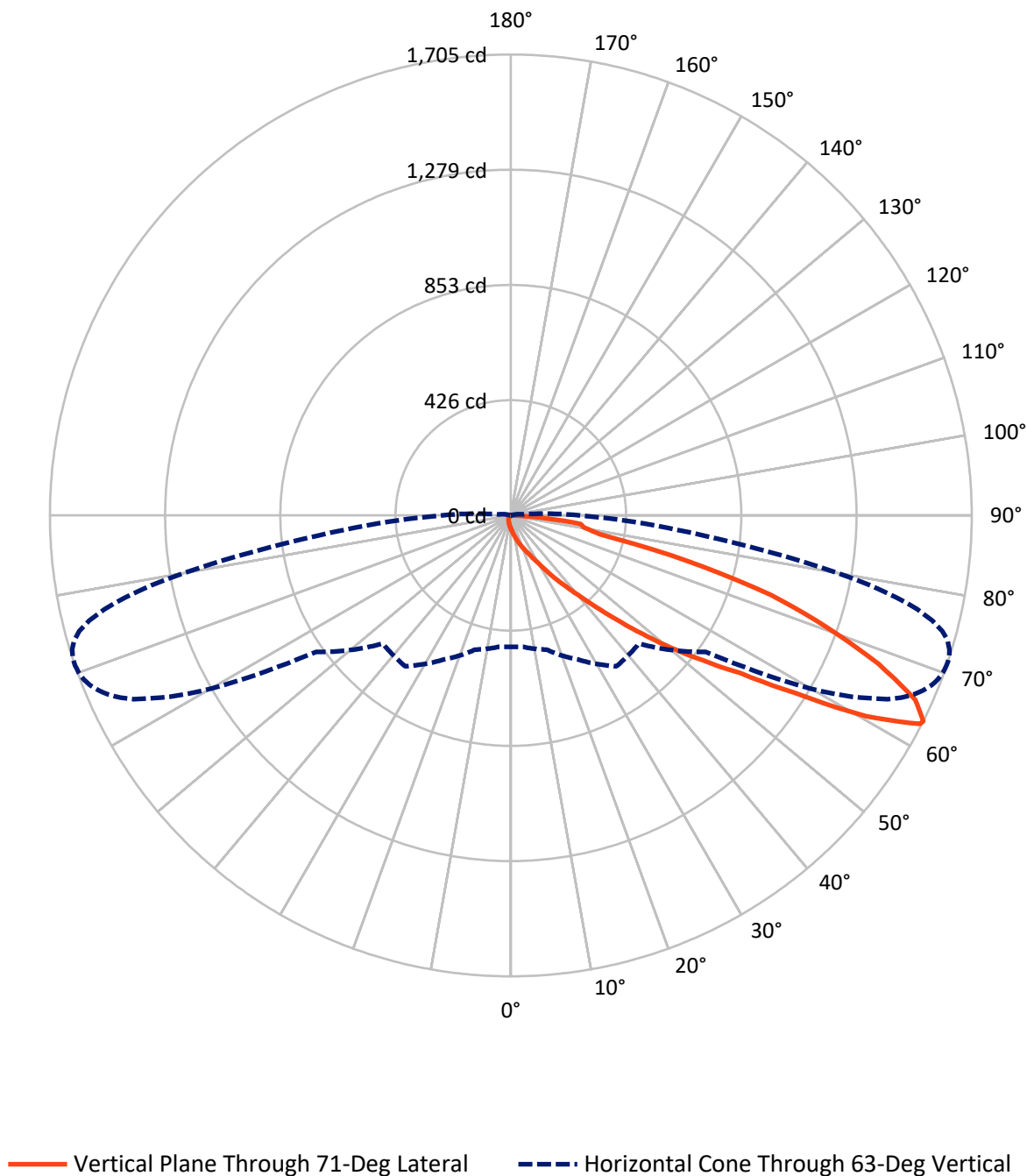


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P149743

CATALOG NUMBER: AVS-F01-LED-E-U-SL2-HSS-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P149743

CATALOG NUMBER: AVS-F01-LED-E-U-SL2-HSS-8030

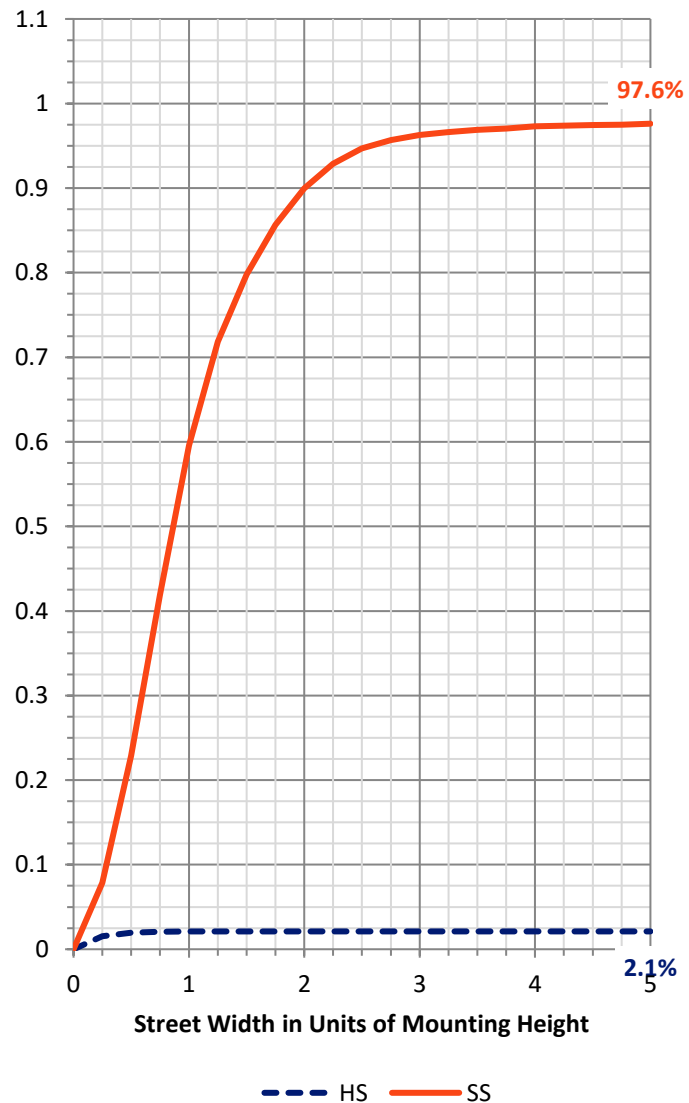
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.1	0.0	27.1
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	1250.4	0.0	1250.4
	% Fixture	97.9	0.0	97.9
Total	Lumens	1277.5	0.0	1277.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.4
10°-20°	21.0	1.6
20°-30°	42.7	3.3
30°-40°	104.2	8.2
40°-50°	233.1	18.2
50°-60°	327.8	25.7
60°-70°	385.5	30.2
70°-80°	139.2	10.9
80°-90°	18.6	1.5
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°	1277.5	100.0
0°-180°	1277.5	100.0

Coefficient of Utilization



REPORT NUMBER: P149743

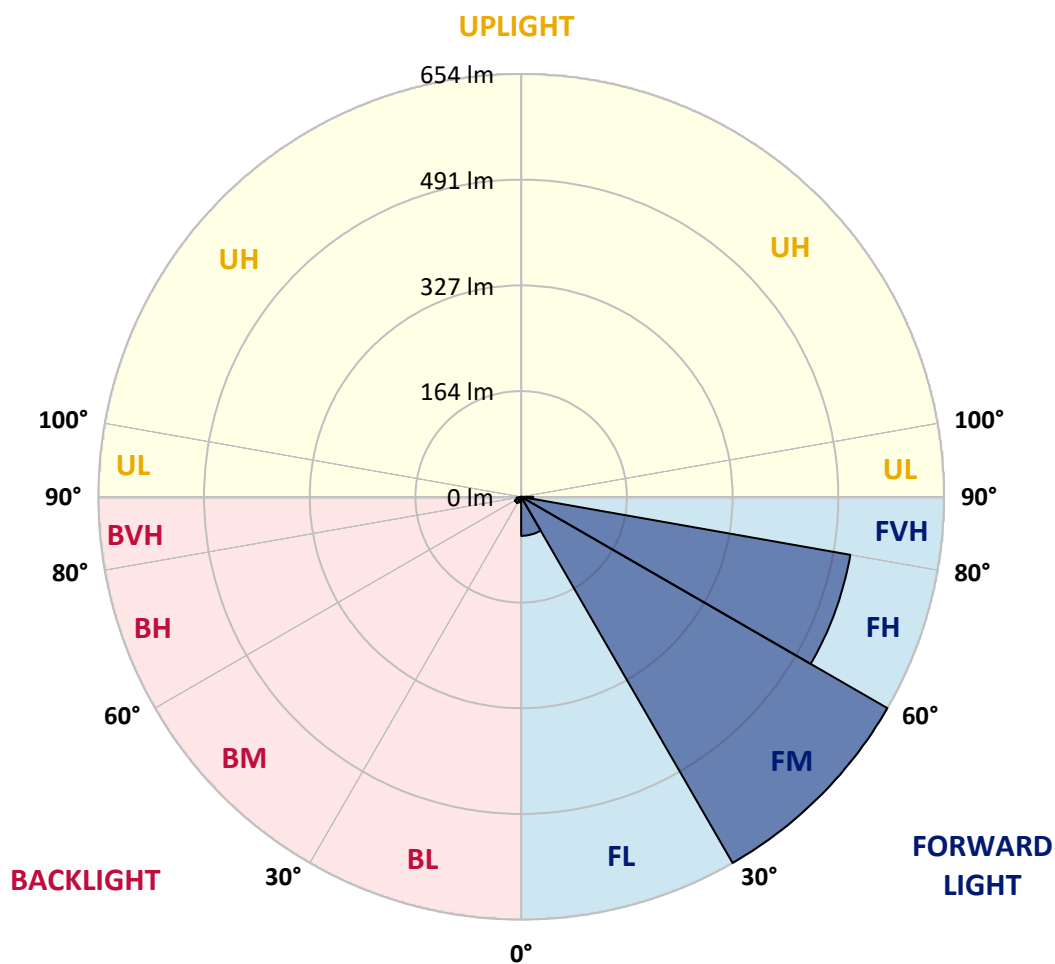
CATALOG NUMBER: AVS-F01-LED-E-U-SL2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	60.4	4.7			
FM	(30°-60°)	654.2	51.2			
FH	(60°-80°)	517.2	40.5			G0/660
FVH	(80°-90°)	18.6	1.5			G1/100
BL	(0°-30°)	8.7	0.7	B0/110		
BM	(30°-60°)	10.9	0.9	B0/220		
BH	(60°-80°)	7.4	0.6	B0/110		G0/110
BVH	(80°-90°)	0.0	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-G1

Type II Short





REPORT NUMBER: P149743

CATALOG NUMBER: AVS-F01-LED-E-U-SL2-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
2.5°	64.1	64.8	64.4	63.2	61.8	59.9	58.3	58.3	58.0	57.4	57.6
5°	84.0	84.4	83.4	80.6	78.0	74.1	69.6	69.2	68.7	68.1	67.8
7.5°	103.6	104.6	103.6	100.5	95.4	89.4	82.5	81.8	80.3	80.3	79.4
10°	123.5	123.5	122.6	119.2	114.5	105.9	97.1	96.0	94.3	93.8	92.4
12.5°	137.7	137.7	137.3	135.4	131.7	124.0	113.4	112.1	110.1	109.4	107.8
15°	143.3	143.3	143.5	145.2	145.4	141.9	130.8	129.8	127.8	125.9	125.2
17.5°	146.7	146.5	146.5	148.9	153.1	155.3	148.2	147.3	144.9	144.0	141.7
20°	154.4	154.0	152.5	152.5	156.6	164.7	164.7	164.5	161.9	161.1	160.0
22.5°	165.8	165.4	161.1	157.7	159.6	169.7	179.3	178.9	177.9	177.0	176.3
25°	184.4	182.8	175.5	165.4	163.7	174.6	190.5	191.6	192.3	192.3	192.7
27.5°	212.5	210.4	197.6	178.5	171.4	182.6	202.8	205.1	207.2	207.7	209.7
30°	251.5	247.8	229.4	201.6	185.1	194.2	220.8	223.4	226.4	227.4	230.6
32.5°	315.6	313.6	295.9	254.1	218.8	216.9	246.2	249.4	253.4	255.0	259.0
35°	413.2	413.7	399.3	361.6	312.8	287.3	291.5	294.3	295.6	300.5	302.6
37.5°	479.4	480.5	483.7	468.9	434.1	408.1	375.3	378.3	371.1	371.8	372.0
40°	515.5	519.3	538.3	552.7	549.9	534.8	508.6	510.3	496.8	493.8	479.2
42.5°	539.7	544.7	575.0	619.6	642.4	656.1	650.1	649.3	638.9	634.9	622.7
45°	554.8	559.3	597.6	663.3	715.8	755.8	772.2	774.1	765.3	761.3	751.1
47.5°	554.1	559.3	600.3	679.6	756.9	820.7	867.3	869.5	874.8	871.4	872.1
50°	523.5	528.4	569.7	651.9	744.8	850.5	935.4	942.9	951.5	957.3	960.1
52.5°	486.3	489.8	526.5	604.6	693.3	838.1	975.9	988.7	1001.5	1012.3	1020.0
55°	472.6	476.6	505.4	570.2	651.9	786.6	994.7	1013.5	1031.6	1049.5	1064.1
57.5°	479.8	483.5	504.2	553.9	627.3	732.2	1000.0	1029.3	1059.1	1088.1	1116.9
60°	506.3	510.3	527.9	569.0	620.8	700.9	979.2	1027.7	1077.2	1127.8	1175.4
62.5°	495.9	497.5	523.5	595.4	667.3	674.2	903.2	971.0	1046.5	1124.6	1201.5
63°	485.9	487.7	514.2	588.3	681.5	670.3	879.8	951.3	1031.0	1115.0	1198.7
65°	440.5	440.8	461.0	519.5	665.6	677.2	775.2	843.5	935.0	1035.9	1141.5
67.5°	328.8	327.3	346.7	391.3	522.6	677.4	665.4	703.7	767.4	856.8	951.5
70°	116.6	114.0	145.6	207.4	325.6	554.1	571.8	574.3	592.0	640.3	699.8
72.5°	37.8	38.5	46.4	76.0	150.1	373.0	517.7	509.7	505.2	504.9	512.7
75°	15.1	15.3	18.5	33.7	67.4	179.8	453.4	457.7	459.4	461.7	464.2
77.5°	7.2	7.9	10.5	18.9	33.5	88.9	324.5	361.9	383.2	399.7	409.6
80°	2.6	3.0	5.8	11.6	15.5	40.8	170.9	206.2	237.6	278.0	312.8
82.5°	0.0	0.0	1.1	8.1	8.6	16.5	70.2	82.2	94.1	122.0	156.6
85°	0.0	0.0	0.0	2.3	2.6	2.8	23.7	28.6	32.0	37.4	43.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	1.3	3.5	5.4
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: P149743

CATALOG NUMBER: AVS-F01-LED-E-U-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
2.5°	57.1	56.9	56.9	56.5	56.2	55.8	55.5	54.8	54.6	54.6	54.6
5°	67.6	66.6	66.2	65.1	64.4	64.1	62.9	62.5	61.8	62.0	60.8
7.5°	79.2	77.6	76.9	75.2	74.8	73.2	72.6	71.5	70.9	69.4	69.0
10°	92.0	89.8	88.7	86.1	85.5	84.4	82.9	81.6	80.3	79.0	78.2
12.5°	106.6	104.8	103.8	100.3	98.7	97.1	95.2	93.4	91.5	90.4	88.7
15°	123.8	120.7	119.8	116.6	113.8	111.7	109.1	106.8	105.4	103.1	101.5
17.5°	140.7	137.7	137.0	132.1	129.1	127.8	125.0	122.0	119.4	117.1	114.5
20°	157.7	155.6	153.8	149.1	145.8	143.5	139.8	136.8	134.7	131.4	128.2
22.5°	174.6	172.5	171.2	166.3	163.3	160.0	156.8	153.5	150.5	146.5	142.8
25°	192.0	190.7	189.9	185.6	182.8	179.8	176.5	172.7	169.1	164.7	160.7
27.5°	210.2	210.7	209.2	208.3	205.3	203.2	198.1	195.5	192.7	187.5	182.6
30°	233.2	234.6	234.1	234.8	233.0	231.5	227.6	224.4	221.1	216.0	210.4
32.5°	262.2	264.0	265.0	267.6	266.6	266.1	265.0	260.3	258.0	249.2	246.8
35°	307.0	306.1	310.1	312.1	311.2	310.8	309.3	306.8	304.0	297.7	291.9
37.5°	365.3	366.2	367.7	363.4	360.7	360.4	356.3	353.7	349.7	342.8	335.9
40°	472.1	466.3	459.9	442.2	434.5	430.2	417.8	414.3	407.6	398.0	390.9
42.5°	611.1	605.2	585.7	556.3	540.4	518.7	508.6	496.3	486.7	471.2	462.9
45°	749.0	732.2	729.9	695.5	676.1	647.3	629.4	608.7	587.2	566.6	551.8
47.5°	865.4	861.7	850.3	829.3	811.2	787.0	764.0	732.2	709.9	680.9	654.2
50°	958.4	958.2	954.1	942.0	926.8	907.4	887.2	860.2	834.9	799.4	770.8
52.5°	1028.2	1031.9	1033.3	1029.5	1023.7	1006.5	996.4	973.8	952.4	922.3	891.4
55°	1079.3	1093.0	1099.9	1107.8	1106.2	1100.1	1099.7	1085.1	1075.3	1051.4	1029.5
57.5°	1142.4	1165.0	1186.5	1224.9	1226.2	1239.7	1246.7	1253.7	1255.5	1246.0	1238.8
60°	1222.8	1268.7	1309.6	1389.7	1410.7	1443.6	1465.0	1488.2	1508.0	1509.6	1509.1
62.5°	1279.5	1350.3	1416.3	1535.1	1575.8	1613.9	1642.5	1665.0	1678.7	1692.6	1699.1
63°	1281.0	1358.7	1428.8	1551.4	1594.1	1630.4	1657.5	1678.4	1692.8	1701.2	1705.4
65°	1241.9	1335.9	1419.5	1541.7	1581.9	1618.2	1632.4	1646.1	1653.2	1656.4	1644.0
67.5°	1052.5	1144.5	1242.1	1378.7	1413.0	1456.7	1468.3	1475.2	1478.4	1477.8	1467.4
70°	787.0	864.1	972.6	1128.7	1174.2	1217.0	1243.4	1254.8	1258.5	1257.4	1241.9
72.5°	549.5	594.8	684.1	857.9	919.9	974.7	1007.5	1024.5	1027.9	1020.9	1006.5
75°	461.5	463.8	484.0	579.0	637.1	695.5	732.5	743.2	736.2	715.1	678.3
77.5°	412.0	417.1	417.1	431.3	442.7	459.0	462.4	436.4	406.2	367.2	335.5
80°	345.6	363.4	376.0	386.4	387.7	384.4	375.8	361.1	337.9	308.2	275.2
82.5°	209.9	245.3	259.7	313.6	340.0	357.9	356.5	337.0	319.4	288.5	260.3
85°	53.0	57.1	62.0	80.6	90.4	110.4	122.9	128.7	130.8	120.1	108.7
87.5°	5.1	3.5	5.8	4.5	6.3	4.7	6.3	5.8	7.2	7.7	8.4
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: P149743

CATALOG NUMBER: AVS-F01-LED-E-U-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
2.5°	54.1	53.9	53.7	53.4	53.2	53.0	52.5	52.5	52.0	51.8	51.6
5°	60.1	59.7	59.5	59.0	58.3	57.8	57.1	56.2	55.5	55.2	54.8
7.5°	67.8	66.6	66.2	65.5	64.6	63.2	62.3	61.6	60.4	59.7	58.3
10°	76.4	75.2	73.9	72.4	71.1	69.4	68.3	67.4	65.5	64.6	62.9
12.5°	87.4	85.3	83.6	81.8	79.9	78.0	76.7	73.9	72.2	70.2	68.7
15°	98.4	96.6	94.7	92.4	89.6	86.6	85.3	82.7	80.6	77.3	75.4
17.5°	111.9	108.5	105.7	102.9	100.3	97.5	94.7	90.8	87.8	85.0	81.2
20°	125.2	121.0	118.0	114.3	110.6	106.1	102.9	100.1	96.0	92.2	88.3
22.5°	139.4	135.1	130.3	126.5	121.5	118.0	113.6	108.9	104.8	99.9	95.0
25°	156.6	152.1	146.5	141.7	135.9	131.0	125.6	120.3	115.2	109.6	103.3
27.5°	177.6	173.1	166.9	161.1	153.5	147.5	142.4	135.1	128.7	121.7	114.5
30°	204.4	199.3	191.8	183.5	175.9	169.1	161.9	152.3	145.2	136.8	127.5
32.5°	239.2	233.2	223.2	215.3	205.8	197.0	186.9	177.4	167.3	156.3	145.6
35°	283.1	277.5	265.9	254.3	243.8	233.4	220.8	209.9	195.5	182.3	168.6
37.5°	328.6	318.7	308.0	295.4	282.4	269.8	254.5	239.5	223.0	208.6	191.4
40°	380.6	368.6	359.8	346.3	328.0	310.1	295.9	277.1	256.4	237.1	216.9
42.5°	451.9	438.4	422.7	402.3	389.0	368.1	349.7	327.5	300.3	278.7	254.3
45°	534.4	516.1	500.7	480.9	465.0	439.0	417.6	387.9	360.7	332.3	302.6
47.5°	628.5	605.7	583.4	563.9	538.3	512.7	485.6	454.0	419.2	388.1	352.7
50°	736.5	704.1	673.3	648.2	613.2	583.6	554.1	518.7	480.0	444.2	404.1
52.5°	856.5	819.2	778.2	739.7	699.1	661.2	625.7	584.8	541.9	498.1	453.4
55°	1001.5	973.4	925.3	876.3	821.9	771.3	725.5	674.9	622.7	565.3	518.1
57.5°	1228.4	1214.6	1174.5	1125.5	1054.6	993.1	915.5	853.5	777.8	698.9	637.9
60°	1535.9	1518.9	1496.4	1456.7	1400.4	1316.8	1231.4	1135.0	1019.8	910.4	806.6
62.5°	1699.8	1693.8	1675.4	1648.0	1595.5	1529.5	1443.4	1337.5	1207.5	1074.6	942.2
63°	1704.7	1697.0	1681.2	1653.4	1607.2	1543.3	1458.8	1355.9	1228.6	1093.2	958.0
65°	1638.8	1635.8	1619.7	1589.2	1557.7	1508.9	1443.4	1354.9	1248.1	1120.1	985.7
67.5°	1453.4	1444.4	1419.7	1410.5	1388.4	1354.4	1304.6	1243.6	1167.3	1066.7	950.6
70°	1229.2	1215.9	1184.9	1168.4	1141.5	1120.1	1089.7	1046.2	999.1	929.0	842.4
72.5°	991.7	963.8	935.4	892.5	854.9	816.8	783.1	752.4	700.7	672.3	606.6
75°	644.0	593.4	544.9	479.8	421.2	369.5	319.1	293.6	240.4	218.8	187.9
77.5°	305.6	277.3	239.2	209.7	172.1	140.5	114.7	86.1	67.6	53.0	40.4
80°	246.6	222.7	199.7	173.1	144.7	115.4	88.5	66.2	46.9	32.5	23.0
82.5°	219.9	193.9	165.6	147.3	128.0	104.8	85.9	70.2	51.8	37.8	25.8
85°	85.5	72.0	55.5	45.3	35.3	29.0	26.2	18.1	14.2	11.2	8.6
87.5°	7.5	6.0	4.9	3.2	3.5	1.9	2.1	1.3	1.1	1.1	0.9
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: P149743

CATALOG NUMBER: AVS-F01-LED-E-U-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
2.5°	51.3	51.1	50.9	50.4	50.4	49.9	49.7	49.4	48.3	45.8	43.6
5°	53.9	53.4	53.0	52.2	51.8	51.1	50.7	49.9	47.4	42.5	38.3
7.5°	57.6	56.7	56.0	54.6	53.9	53.0	52.2	51.1	46.9	39.5	33.7
10°	62.0	60.4	59.2	57.6	56.2	55.0	53.9	52.2	46.4	36.3	29.5
12.5°	67.4	65.5	63.2	61.3	59.5	57.8	56.2	54.1	45.8	33.5	26.2
15°	72.6	69.9	68.3	65.7	63.2	60.8	58.5	56.7	46.0	30.5	23.4
17.5°	78.8	76.0	72.4	69.6	66.8	63.8	61.0	57.4	44.9	28.1	21.3
20°	84.6	80.6	77.3	73.9	69.9	66.2	62.7	59.5	43.9	25.8	19.5
22.5°	90.8	86.1	82.0	77.6	72.6	68.5	64.4	60.1	42.3	23.7	17.9
25°	98.4	93.2	87.0	81.8	76.7	71.5	66.2	61.0	40.6	21.9	16.7
27.5°	107.8	100.8	94.7	88.0	80.8	74.3	68.5	62.9	39.1	20.4	15.5
30°	119.6	111.5	102.9	94.3	86.6	79.2	71.1	64.1	37.4	19.1	14.4
32.5°	135.4	125.2	114.7	104.8	94.5	85.0	76.4	67.4	36.5	17.9	13.3
35°	156.3	143.1	130.3	117.7	105.4	93.8	82.7	72.4	36.5	16.5	11.8
37.5°	176.1	160.7	144.5	128.9	114.3	100.8	87.6	75.2	34.6	15.3	10.7
40°	197.4	179.1	160.0	141.7	124.0	107.3	92.2	78.0	33.0	13.9	9.5
42.5°	230.2	206.9	182.1	160.7	139.6	118.9	100.1	83.4	30.9	12.5	8.4
45°	273.2	243.6	214.4	188.4	161.5	136.1	113.8	93.2	30.5	11.4	7.2
47.5°	319.1	284.2	249.8	216.7	185.1	155.6	128.9	104.0	30.5	10.3	6.3
50°	364.9	321.2	284.5	245.9	210.4	175.5	143.7	115.4	30.7	9.3	5.1
52.5°	406.2	359.5	318.4	273.8	234.6	194.2	159.6	126.5	30.2	8.1	4.1
55°	463.5	408.7	361.1	311.9	265.9	220.4	181.1	143.3	30.5	7.2	3.5
57.5°	569.2	504.9	447.6	383.0	330.1	271.3	223.6	177.6	33.2	6.0	2.6
60°	720.9	637.3	556.7	477.9	410.6	340.7	279.0	224.8	39.1	4.9	1.9
62.5°	822.8	713.5	617.3	530.5	452.2	379.1	311.7	250.2	43.0	3.9	1.1
63°	833.3	720.2	623.6	533.9	454.0	380.9	313.1	252.0	43.2	3.7	1.1
65°	853.1	731.8	627.0	534.6	452.2	378.3	312.1	251.7	43.6	3.0	0.9
67.5°	830.5	713.9	606.8	514.6	436.0	363.2	300.5	242.5	43.4	2.1	0.7
70°	742.7	646.1	552.0	466.1	394.6	328.8	273.6	221.1	39.9	1.3	0.4
72.5°	545.3	479.6	406.6	344.7	297.3	246.8	210.7	166.0	30.9	0.9	0.2
75°	161.7	147.3	123.8	109.1	96.4	79.7	70.9	55.2	15.8	0.4	0.0
77.5°	32.3	29.2	26.2	23.9	22.5	19.3	18.3	15.1	6.5	0.2	0.0
80°	17.0	13.9	11.8	10.5	9.0	7.5	6.3	5.1	1.1	0.0	0.0
82.5°	16.3	10.9	7.9	6.5	5.6	4.5	3.5	2.6	0.7	0.0	0.0
85°	6.0	4.7	3.5	2.8	2.3	2.1	1.7	1.3	0.0	0.0	0.0
87.5°	0.9	0.7	0.7	0.4	0.4	0.2	0.2	0.2	0.0	0.0	0.0
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: P149743

CATALOG NUMBER: AVS-F01-LED-E-U-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	49.0	49.0	49.0	49.0	49.0	49.0	49.0
2.5°	41.6	39.7	38.8	37.6	37.6	37.4	37.8
5°	34.6	32.0	30.2	28.8	29.0	28.3	28.6
7.5°	29.2	26.7	25.1	24.1	23.9	23.7	23.7
10°	25.3	23.0	21.6	20.9	20.6	20.6	20.6
12.5°	22.5	20.2	19.1	18.5	18.5	18.3	18.3
15°	20.2	18.3	17.2	16.7	16.7	16.5	16.7
17.5°	18.3	16.5	15.5	15.1	15.1	14.8	14.8
20°	16.7	15.1	14.2	13.5	13.5	13.3	13.5
22.5°	15.3	13.7	12.5	12.1	11.8	11.6	11.8
25°	13.9	12.3	11.2	10.5	10.3	10.3	9.9
27.5°	12.7	11.2	9.7	9.0	8.8	8.8	8.6
30°	11.6	9.7	8.4	7.7	7.5	7.5	7.5
32.5°	10.5	8.4	7.2	6.5	6.3	6.3	6.3
35°	9.3	7.2	6.0	5.4	5.1	5.1	5.1
37.5°	7.9	6.0	4.7	4.1	3.9	3.7	3.7
40°	6.7	4.7	3.5	3.0	2.6	2.6	2.6
42.5°	5.6	3.7	2.6	1.9	1.7	1.3	1.7
45°	4.7	2.8	1.7	0.9	0.7	0.7	0.7
47.5°	3.7	1.9	0.7	0.2	0.2	0.2	0.2
50°	2.8	1.1	0.2	0.0	0.0	0.2	0.2
52.5°	2.1	0.7	0.0	0.0	0.0	0.0	0.0
55°	1.1	0.2	0.0	0.0	0.0	0.0	0.0
57.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.4	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0
63°	0.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)