

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: P152018

Luminaire Tested: **AVS-E01-LED-E-U-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P152018
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E01-LED-E-U-SL4-HSS-8030
Description: VISION SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1717.4 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 24.7
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



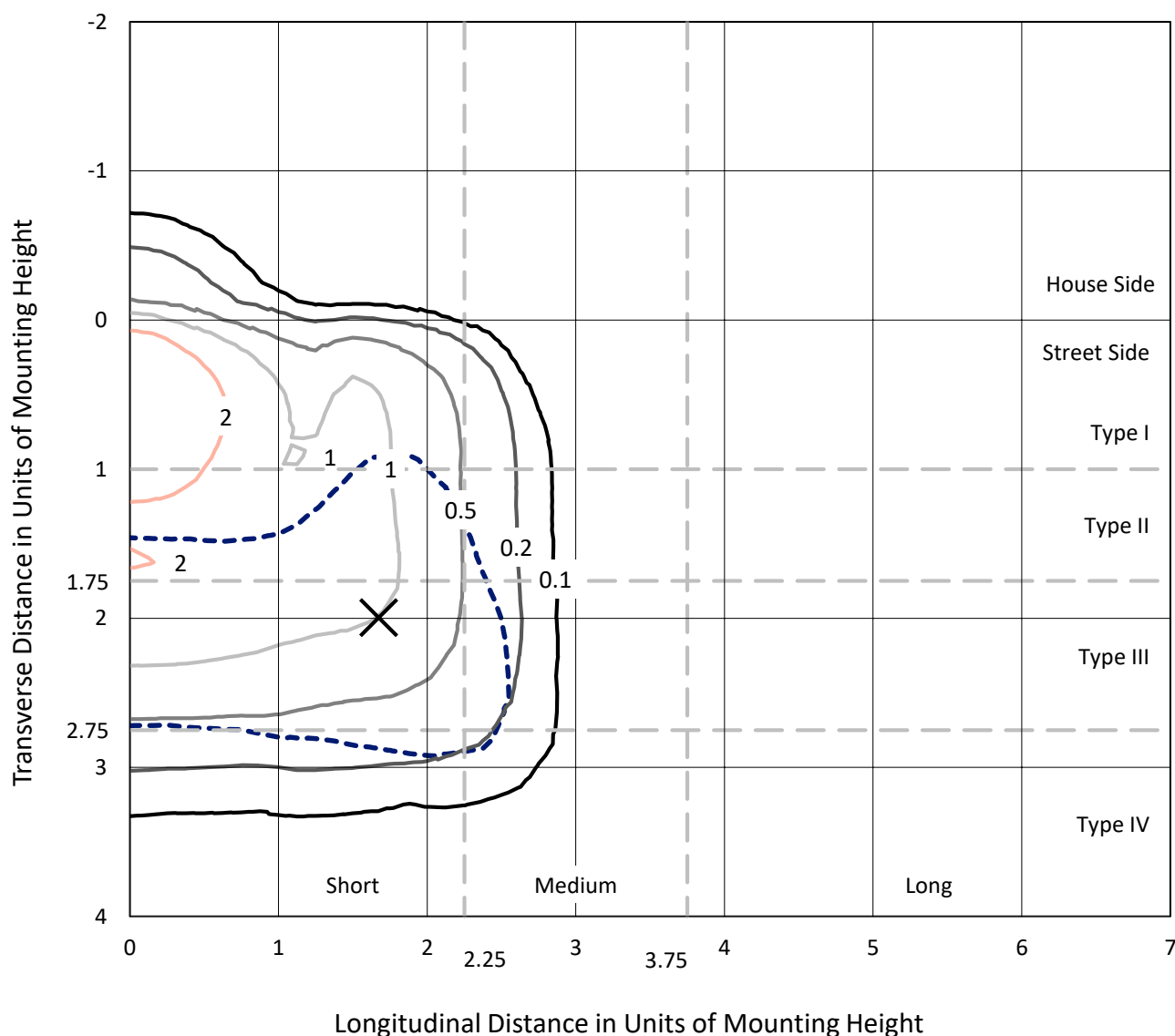
REPORT NUMBER: P152018

CATALOG NUMBER: AVS-E01-LED-E-U-SL4-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

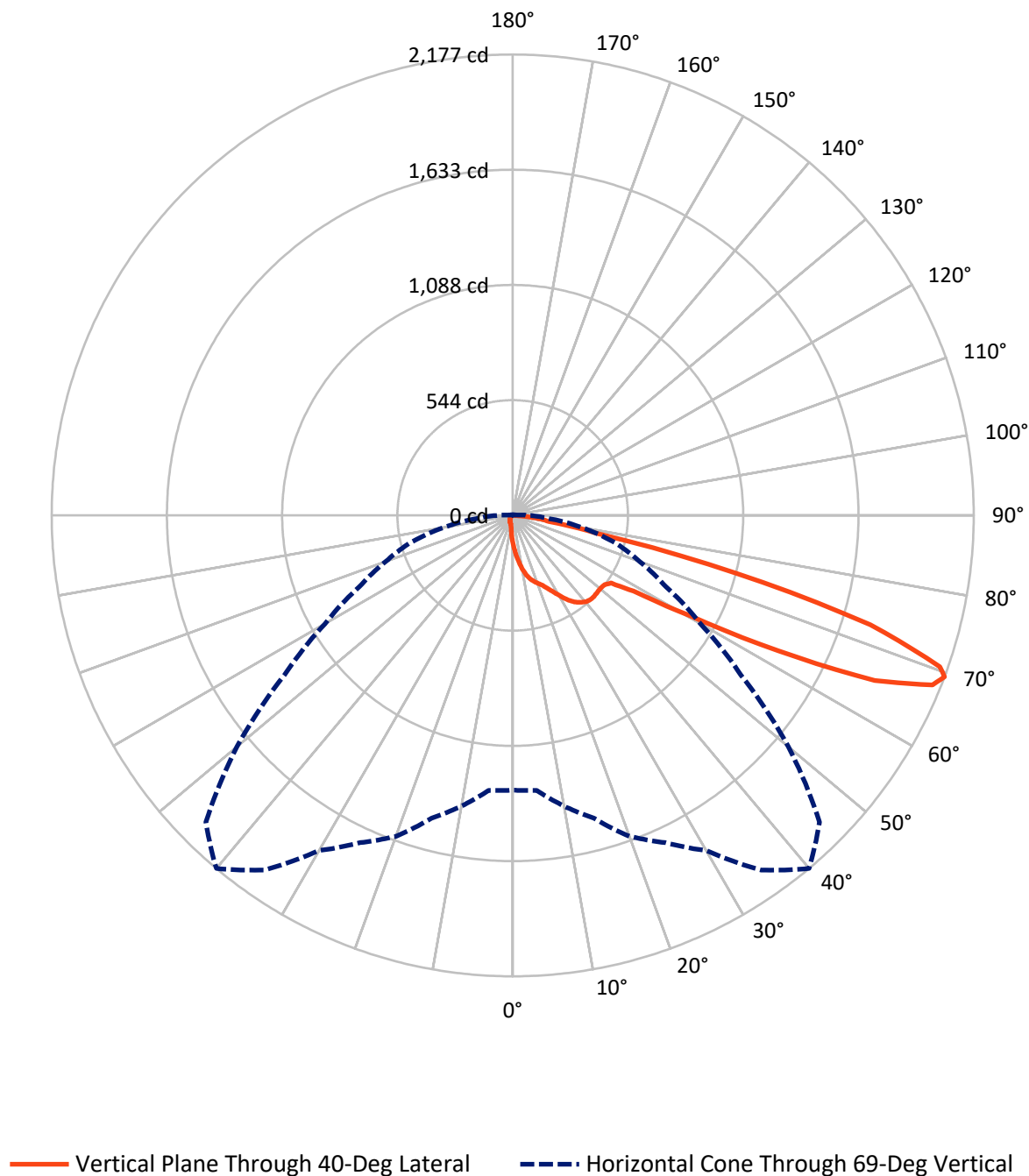


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P152018

CATALOG NUMBER: AVS-E01-LED-E-U-SL4-HSS-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P152018

CATALOG NUMBER: AVS-E01-LED-E-U-SL4-HSS-8030

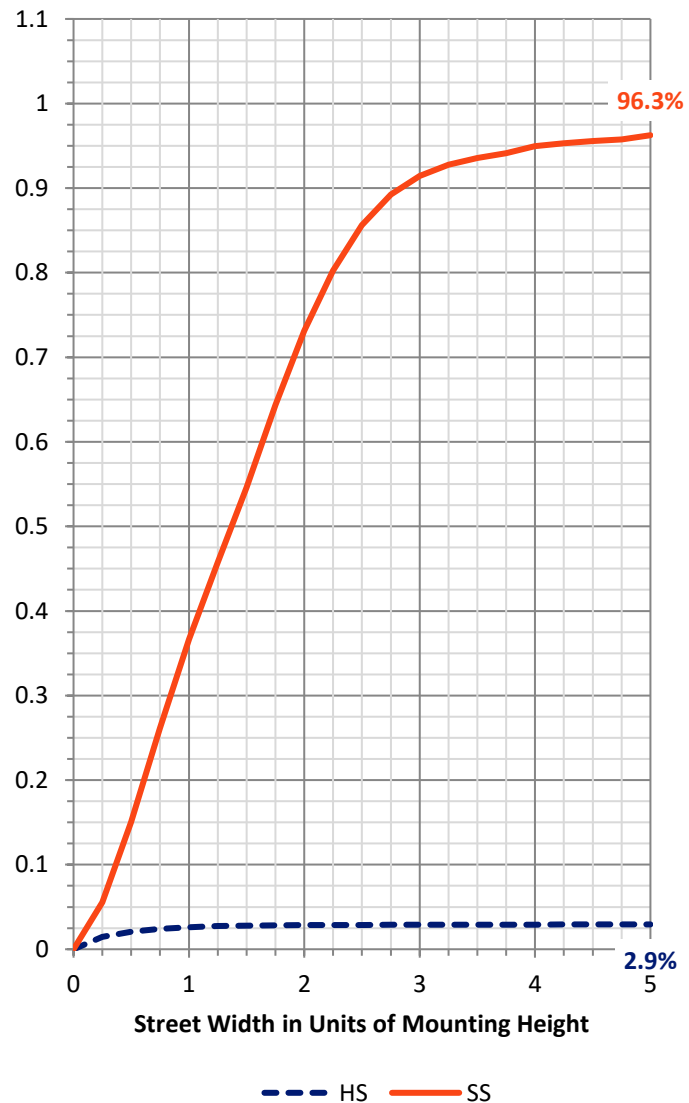
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	51.1	0.0	51.1
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	1666.2	0.0	1666.2
	% Fixture	97.0	0.0	97.0
Total	Lumens	1717.4	0.0	1717.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.8
10°-20°	46.0	2.7
20°-30°	88.0	5.1
30°-40°	146.3	8.5
40°-50°	197.9	11.5
50°-60°	309.6	18.0
60°-70°	636.5	37.1
70°-80°	256.1	14.9
80°-90°	23.7	1.4
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°	1717.4	100.0
0°-180°	1717.4	100.0

Coefficient of Utilization



REPORT NUMBER: P152018

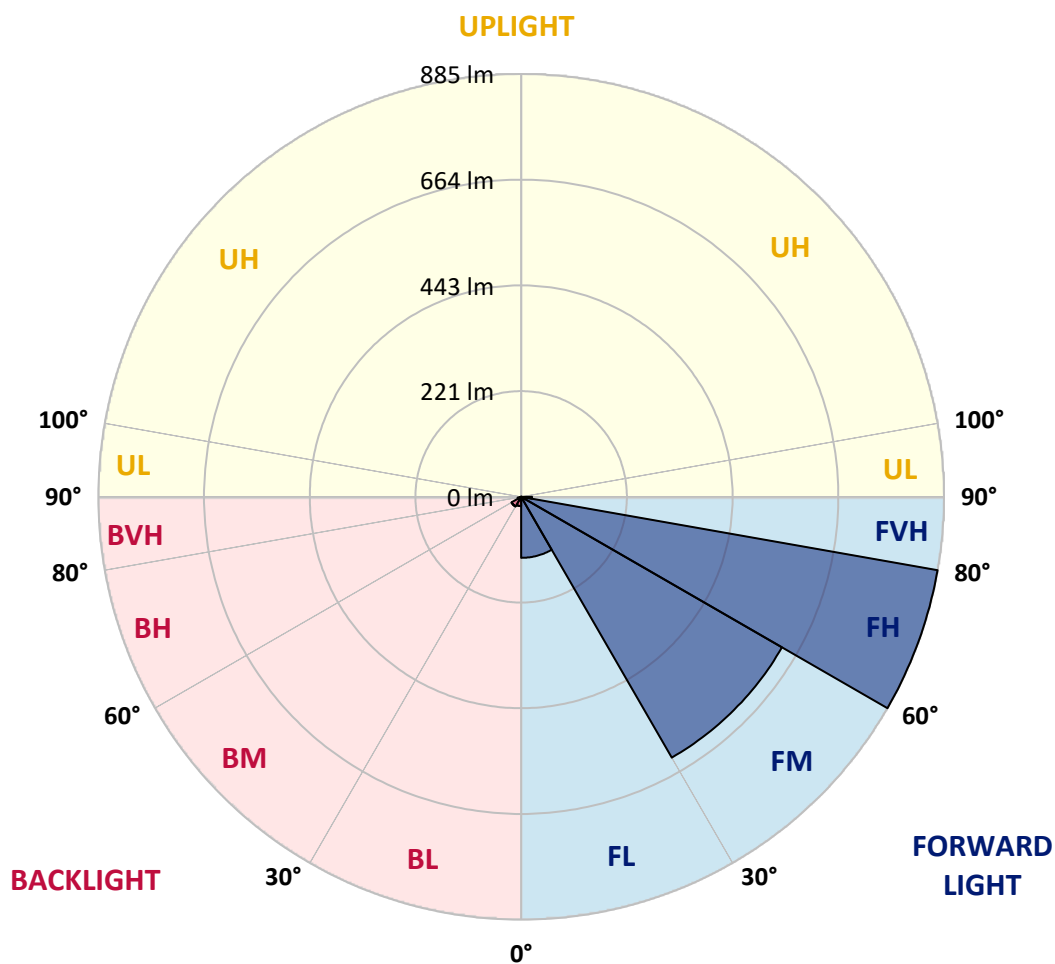
CATALOG NUMBER: AVS-E01-LED-E-U-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	127.8	7.4			
FM	(30°-60°)	630.5	36.7			
FH	(60°-80°)	885.1	51.5			G1/1800
FVH	(80°-90°)	22.8	1.3			G1/100
BL	(0°-30°)	19.5	1.1	B0/110		
BM	(30°-60°)	23.3	1.4	B0/220		
BH	(60°-80°)	7.5	0.4	B0/110		G0/110
BVH	(80°-90°)	0.9	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-G1

Type IV Short





REPORT NUMBER: P152018

CATALOG NUMBER: AVS-E01-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7
2.5°	173.1	171.1	168.8	168.8	166.0	166.0	164.2	159.8	159.3	156.7	154.2
5°	220.8	219.2	216.4	213.8	211.6	207.7	204.8	199.5	193.6	188.0	182.9
7.5°	267.6	266.7	261.7	260.8	257.1	250.7	245.1	237.2	227.0	219.2	209.8
10°	310.9	308.9	307.8	303.0	297.6	290.6	281.9	272.3	260.5	248.1	234.9
12.5°	345.2	344.0	339.0	337.0	331.4	324.4	313.4	301.0	289.2	273.2	257.7
15°	370.8	368.8	365.5	362.4	355.6	349.4	339.3	325.8	311.4	294.0	275.4
17.5°	392.1	388.5	387.7	382.9	375.9	368.5	357.3	344.9	328.1	310.6	290.4
20°	420.8	415.9	414.1	407.0	399.0	388.8	375.9	360.4	342.7	323.5	302.7
22.5°	454.6	451.0	447.4	441.1	430.7	416.4	397.5	380.6	358.1	337.0	314.5
25°	502.5	499.4	493.5	485.0	472.0	454.9	432.1	407.4	380.9	353.9	327.5
27.5°	548.9	546.0	541.9	535.3	520.7	501.9	473.8	442.3	408.8	376.2	346.8
30°	592.4	589.9	585.7	579.3	566.3	547.8	516.0	482.2	440.5	402.6	367.5
32.5°	639.5	638.7	633.9	624.6	613.3	588.3	553.7	517.4	475.1	431.3	390.2
35°	692.6	686.1	681.7	672.3	653.3	626.5	586.0	546.3	501.9	456.9	411.0
37.5°	737.6	731.5	725.8	714.0	690.7	656.6	610.8	567.2	521.3	475.4	428.7
40°	770.6	767.5	760.7	745.3	719.1	678.5	629.0	581.6	535.3	489.2	443.1
42.5°	795.0	790.3	782.7	766.6	735.6	689.5	636.4	587.5	541.9	497.7	452.3
45°	804.0	800.1	793.1	775.6	742.2	692.6	636.1	585.7	542.1	500.2	458.5
47.5°	798.7	794.7	788.6	772.2	739.4	689.0	631.0	580.9	539.3	501.0	464.1
50°	780.9	778.8	774.0	760.1	730.6	682.0	626.5	578.4	538.8	505.3	472.0
52.5°	779.3	777.9	772.0	758.1	728.1	679.7	626.0	579.8	543.5	510.6	477.7
55°	952.3	932.3	887.6	849.6	787.2	712.8	654.4	602.6	563.8	531.7	508.6
57.5°	1353.5	1323.6	1264.9	1192.5	1049.1	908.1	795.3	713.8	673.5	658.9	667.6
60°	1541.5	1536.1	1526.7	1492.4	1419.1	1297.8	1162.7	1016.7	958.2	953.2	970.9
62.5°	1630.6	1627.3	1630.1	1625.8	1603.0	1567.6	1528.7	1465.7	1407.8	1370.4	1291.0
65°	1671.7	1673.9	1689.9	1702.6	1705.4	1714.7	1743.1	1821.7	1879.0	1782.5	1562.2
67.5°	1567.3	1580.5	1617.4	1663.5	1717.5	1769.8	1854.2	2019.7	2137.5	2024.1	1711.3
69°	1297.5	1303.9	1394.0	1480.9	1612.8	1705.2	1827.6	2044.5	2176.9	2048.9	1699.5
70°	1021.6	1027.5	1123.9	1242.1	1465.2	1583.9	1743.9	2002.5	2140.1	2016.1	1638.8
72.5°	460.8	452.3	486.4	549.7	792.2	980.7	1260.6	1622.4	1765.6	1615.1	1226.0
75°	321.9	318.1	321.9	322.1	359.8	464.1	585.7	879.5	1087.7	938.5	585.7
77.5°	249.2	246.7	244.1	241.3	245.9	275.4	287.3	312.0	405.1	383.2	223.4
80°	197.2	194.9	201.1	199.2	199.2	202.6	200.3	191.0	173.6	160.9	144.0
82.5°	91.7	92.2	92.2	100.1	120.7	140.9	147.5	138.1	122.7	104.4	84.1
85°	8.7	9.8	16.6	25.6	50.9	57.4	57.7	47.9	47.9	37.7	30.4
87.5°	0.0	0.3	0.3	0.3	2.5	7.0	5.9	1.7	0.8	0.8	1.5
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: P152018

CATALOG NUMBER: AVS-E01-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7
2.5°	149.6	148.8	145.5	142.1	139.0	135.6	132.5	129.4	126.0	123.5	120.4
5°	175.0	168.8	161.8	155.0	148.3	141.2	133.9	127.5	120.7	114.5	108.6
7.5°	200.6	188.5	179.0	166.8	155.9	144.9	134.7	124.4	114.8	105.8	97.3
10°	222.3	207.7	192.7	177.2	161.5	146.8	132.7	120.4	107.8	96.8	86.3
12.5°	240.0	221.5	203.1	183.7	166.0	147.5	129.9	115.0	100.1	87.8	77.1
15°	256.1	234.6	212.6	190.2	167.7	146.5	127.2	108.6	93.4	79.4	67.3
17.5°	268.9	244.5	219.7	194.4	170.2	145.5	123.5	104.0	86.3	71.7	59.9
20°	280.2	254.6	227.9	199.5	171.9	145.2	120.4	98.4	80.2	64.7	53.2
22.5°	290.6	265.0	236.3	205.9	174.4	144.9	117.6	94.2	74.8	59.4	47.9
25°	302.4	275.4	245.3	212.6	179.0	146.0	116.0	90.9	70.1	54.3	43.6
27.5°	315.6	287.3	256.1	221.1	184.9	148.3	115.3	87.3	65.8	49.5	40.2
30°	334.2	301.3	266.7	229.5	190.2	150.8	114.8	85.0	61.7	45.9	36.9
32.5°	350.6	315.1	278.5	238.2	196.1	153.4	114.5	81.9	57.7	42.2	34.3
35°	367.7	327.8	288.6	246.7	201.1	156.2	114.2	79.6	54.0	38.5	31.8
37.5°	382.6	338.4	296.5	254.0	206.7	158.7	114.5	77.6	50.7	35.4	29.5
40°	395.2	349.4	305.3	260.8	212.6	162.6	114.8	75.6	47.3	32.6	27.6
42.5°	406.5	359.8	314.5	268.4	219.5	167.2	116.5	74.0	44.5	30.1	25.6
45°	415.2	369.4	324.7	279.1	230.4	174.4	119.6	72.8	41.7	27.9	23.9
47.5°	424.2	383.4	341.9	296.0	246.4	186.0	124.9	72.5	39.4	26.1	22.5
50°	436.6	397.5	357.0	313.2	261.0	197.8	131.4	72.8	36.6	24.5	21.1
52.5°	445.6	411.9	376.7	342.9	296.0	233.8	156.4	77.9	35.1	23.1	19.4
55°	498.8	492.8	493.8	499.4	463.1	397.8	261.7	112.5	41.3	26.1	19.2
57.5°	703.3	724.1	736.3	736.0	676.1	560.7	351.4	144.6	46.1	30.4	22.8
60°	972.2	956.5	934.3	879.5	799.8	640.0	393.1	155.5	40.0	24.1	20.8
62.5°	1210.1	1117.7	1035.9	946.9	842.6	667.6	401.5	154.7	34.9	18.2	14.6
65°	1358.2	1192.2	1060.1	948.6	825.7	644.6	379.8	142.1	29.5	14.9	12.1
67.5°	1393.7	1152.0	965.0	822.9	689.8	501.7	278.8	106.9	23.1	12.3	10.7
69°	1316.4	1024.0	799.6	638.3	501.9	332.8	172.4	67.6	17.7	11.3	9.8
70°	1210.9	890.7	651.3	512.3	371.6	233.8	120.7	47.6	14.3	10.4	9.0
72.5°	779.0	467.9	320.1	222.8	153.4	93.2	47.3	21.3	11.0	8.7	7.4
75°	302.2	173.1	125.5	95.3	74.5	51.8	28.7	13.8	9.3	7.4	5.6
77.5°	148.8	114.0	93.2	63.8	37.1	23.1	15.4	10.7	7.6	5.4	3.6
80°	117.6	78.2	46.7	29.0	22.0	16.6	11.8	8.7	5.6	3.4	2.5
82.5°	60.2	33.0	24.1	19.7	16.3	13.0	9.5	6.2	3.6	2.3	2.0
85°	18.9	13.8	12.3	12.1	11.3	9.3	6.7	3.9	2.3	1.5	1.5
87.5°	1.5	2.0	2.5	2.0	2.3	2.0	2.5	1.7	1.1	1.1	0.8
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: P152018

CATALOG NUMBER: AVS-E01-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7
2.5°	118.1	114.8	111.7	109.7	106.0	104.7	103.2	102.7	100.1	100.7	98.4
5°	103.2	97.3	92.8	88.3	84.1	81.0	78.4	75.4	72.8	71.7	69.5
7.5°	89.7	82.2	76.3	71.5	66.4	62.5	59.1	56.8	54.6	52.3	51.2
10°	77.9	69.7	63.0	58.2	53.5	50.1	47.6	45.9	44.5	43.6	43.3
12.5°	66.9	59.1	52.8	48.7	45.0	43.3	42.2	41.3	41.0	40.8	40.8
15°	58.5	50.7	45.9	42.8	41.0	40.2	40.0	39.4	38.9	38.5	38.5
17.5°	50.7	44.8	41.3	39.7	38.9	38.2	37.7	37.1	36.6	36.3	36.3
20°	45.3	40.5	38.9	37.7	36.9	36.3	35.4	34.9	34.6	34.3	34.0
22.5°	41.0	38.0	36.9	36.0	34.9	34.0	33.5	33.0	32.3	32.0	31.8
25°	38.0	36.0	35.1	34.0	33.0	32.0	31.2	30.4	29.8	29.5	29.0
27.5°	35.8	34.3	33.2	31.8	30.7	29.8	29.0	28.1	27.6	27.0	26.7
30°	33.8	32.3	31.0	29.8	28.4	27.6	26.4	25.6	25.3	24.8	24.1
32.5°	31.8	30.4	29.0	27.6	26.1	25.1	24.5	23.3	22.8	22.5	22.0
35°	29.5	28.1	26.4	25.3	23.9	22.8	22.0	21.1	20.5	20.0	19.7
37.5°	27.6	25.9	24.1	22.8	21.7	20.5	19.7	18.9	18.2	17.7	17.4
40°	25.3	23.6	22.0	20.5	19.4	18.5	17.7	16.9	16.3	16.1	16.1
42.5°	23.3	21.3	19.7	18.5	17.7	16.6	15.8	14.9	14.6	14.3	14.6
45°	21.3	19.4	18.0	16.9	16.1	14.9	14.1	13.5	13.3	13.5	13.8
47.5°	19.7	17.7	16.3	15.4	14.6	13.8	13.0	12.3	12.3	13.0	13.5
50°	18.0	16.1	14.9	14.3	13.5	12.6	11.5	11.3	11.5	12.1	12.6
52.5°	16.3	14.1	13.3	13.0	12.1	11.3	10.4	10.2	10.4	11.0	10.7
55°	14.6	12.3	12.1	11.8	11.0	9.8	9.0	9.0	9.0	8.7	8.2
57.5°	14.1	11.0	10.7	10.4	9.5	8.4	7.9	7.4	7.0	6.2	5.9
60°	14.6	9.8	9.8	9.3	8.4	7.4	6.4	5.6	5.1	4.5	4.5
62.5°	11.8	9.0	8.7	8.2	7.0	5.9	5.1	4.2	3.9	3.6	3.6
65°	9.5	8.2	7.6	6.7	5.9	4.8	3.9	3.4	3.1	3.1	3.4
67.5°	8.7	7.4	6.4	5.6	4.8	3.6	3.1	2.8	2.8	3.1	3.1
69°	8.2	6.7	5.9	5.1	4.2	3.4	2.8	2.8	2.8	2.8	3.1
70°	7.6	6.4	5.6	4.8	3.6	2.8	2.5	2.5	2.8	2.8	3.1
72.5°	5.9	5.1	4.8	3.9	2.8	2.5	2.3	2.5	2.5	2.8	2.8
75°	4.5	3.6	3.6	3.1	2.3	2.0	2.0	2.3	2.3	2.5	2.5
77.5°	3.1	2.5	2.5	2.3	2.0	1.7	1.7	2.0	2.3	2.3	2.5
80°	2.3	2.0	1.7	2.0	1.7	1.5	1.7	2.0	2.0	2.3	2.3
82.5°	1.7	1.7	1.7	1.7	1.5	1.5	1.7	1.7	2.0	2.3	2.3
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	1.7	2.0	2.0
87.5°	0.8	0.8	0.8	1.1	1.1	1.5	1.5	1.5	1.5	1.7	1.7
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: P152018

CATALOG NUMBER: AVS-E01-LED-E-U-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	129.7	129.7	129.7	129.7
2.5°	97.9	97.6	96.5	96.8
5°	68.6	66.9	68.1	67.8
7.5°	50.4	50.1	49.8	50.4
10°	43.0	43.0	42.8	43.0
12.5°	40.5	40.5	40.5	40.5
15°	38.5	38.5	38.2	38.2
17.5°	36.3	36.3	36.3	36.0
20°	34.0	33.8	33.8	33.8
22.5°	31.5	31.2	31.2	31.2
25°	29.0	28.7	28.7	28.7
27.5°	26.4	26.1	25.9	25.9
30°	23.9	23.6	23.3	23.3
32.5°	21.3	21.1	20.8	20.8
35°	19.2	19.2	18.9	18.5
37.5°	17.2	17.2	17.2	17.2
40°	15.8	16.1	16.1	16.1
42.5°	14.9	15.2	15.4	15.8
45°	14.3	14.9	15.2	15.2
47.5°	14.1	14.3	14.6	14.6
50°	13.0	12.6	12.6	12.6
52.5°	10.4	9.8	9.5	9.3
55°	7.6	7.4	6.7	6.7
57.5°	5.4	5.4	5.1	5.1
60°	4.2	4.2	3.9	4.2
62.5°	3.6	3.6	3.6	3.6
65°	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4
69°	3.1	3.1	3.1	3.1
70°	3.1	3.1	3.1	3.1
72.5°	2.8	2.8	2.8	2.8
75°	2.5	2.8	2.8	2.8
77.5°	2.5	2.5	2.5	2.5
80°	2.3	2.3	2.5	2.5
82.5°	2.3	2.3	2.3	2.3
85°	2.0	2.0	2.3	2.3
87.5°	1.7	1.7	2.0	2.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)