Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P150905

Luminaire Tested: **AVS-F03-LED-E-U-SL3-HSS**

Issue Date: 3/3/2020

Report Generated By E9812814

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P150905
	REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	AVS-F03-LED-E-U-SL3-HSS
Description:	VISION SITE SMALL LED LUMINAIRE
	(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source:	(21) 4000K CCT, 70 CRI LEDs
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4294 lumens
Efficiency:	N/A
Efficacy:	54.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type III - Short - Non-Cutoff
BUG Rating:	B0 - U0 - G2

Input Watts (W):	78.3
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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REPORT NUMBER: P150905
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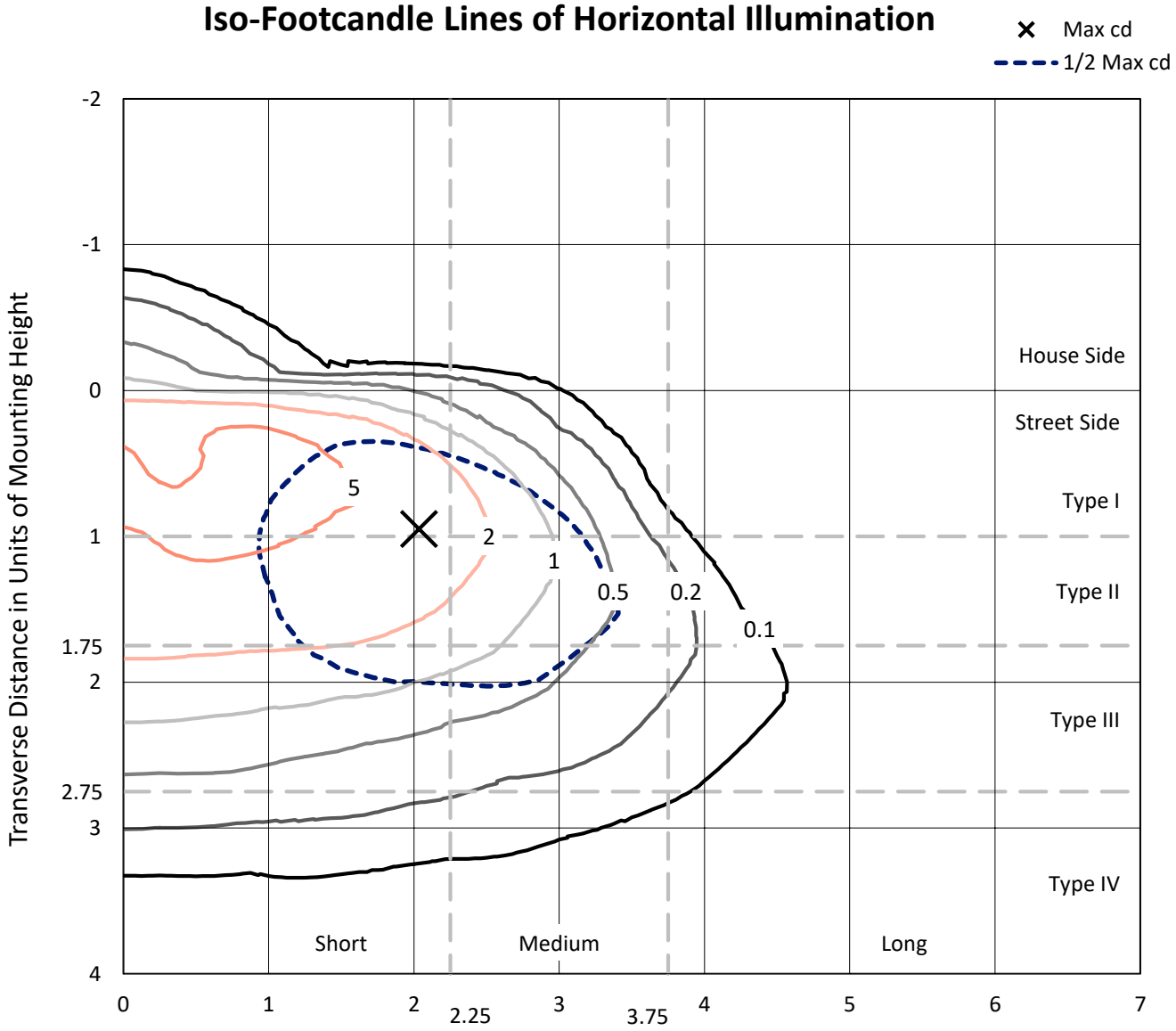
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
Type III - Short - Non-Cutoff

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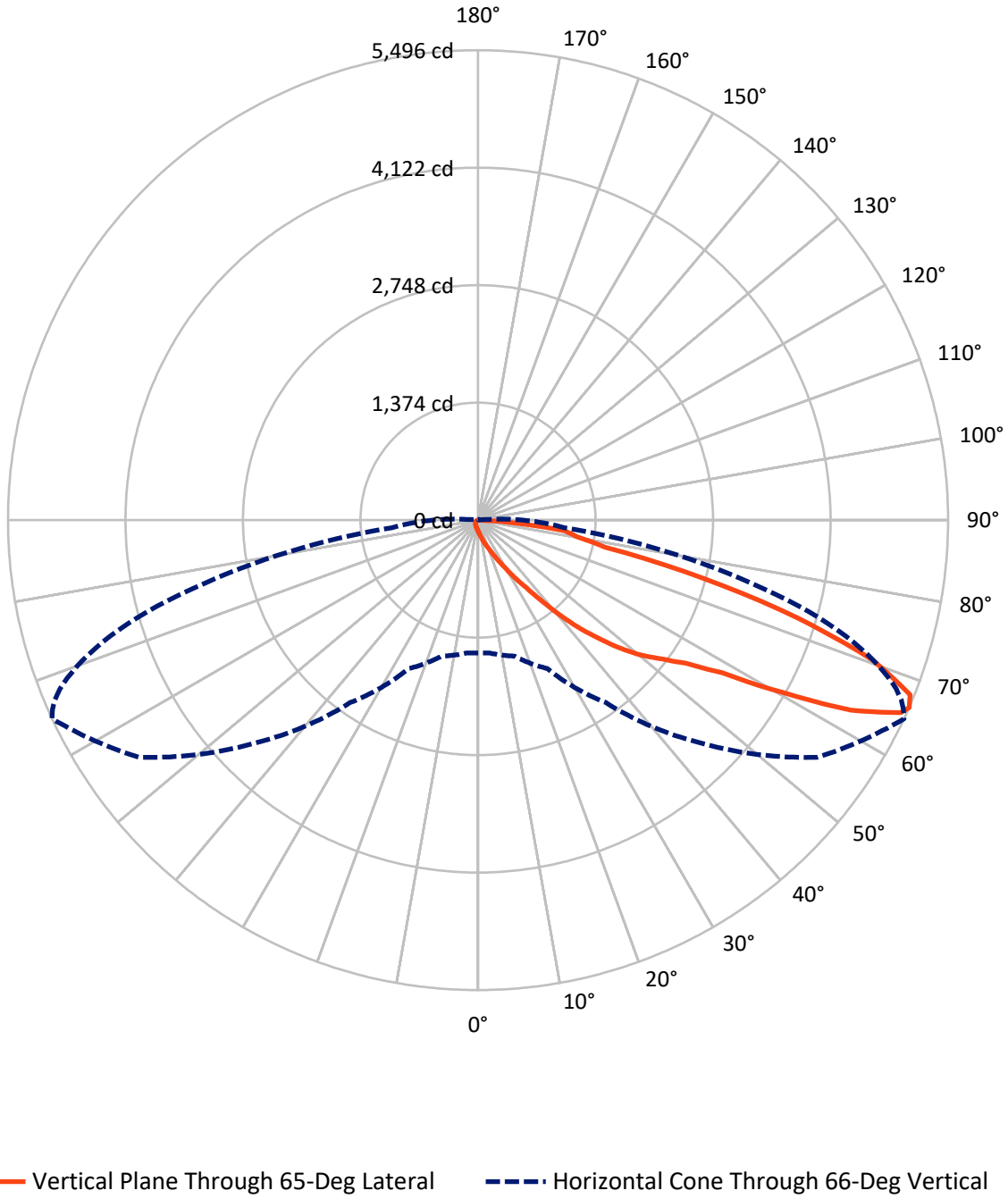
Luminous Intensity Polar Plot



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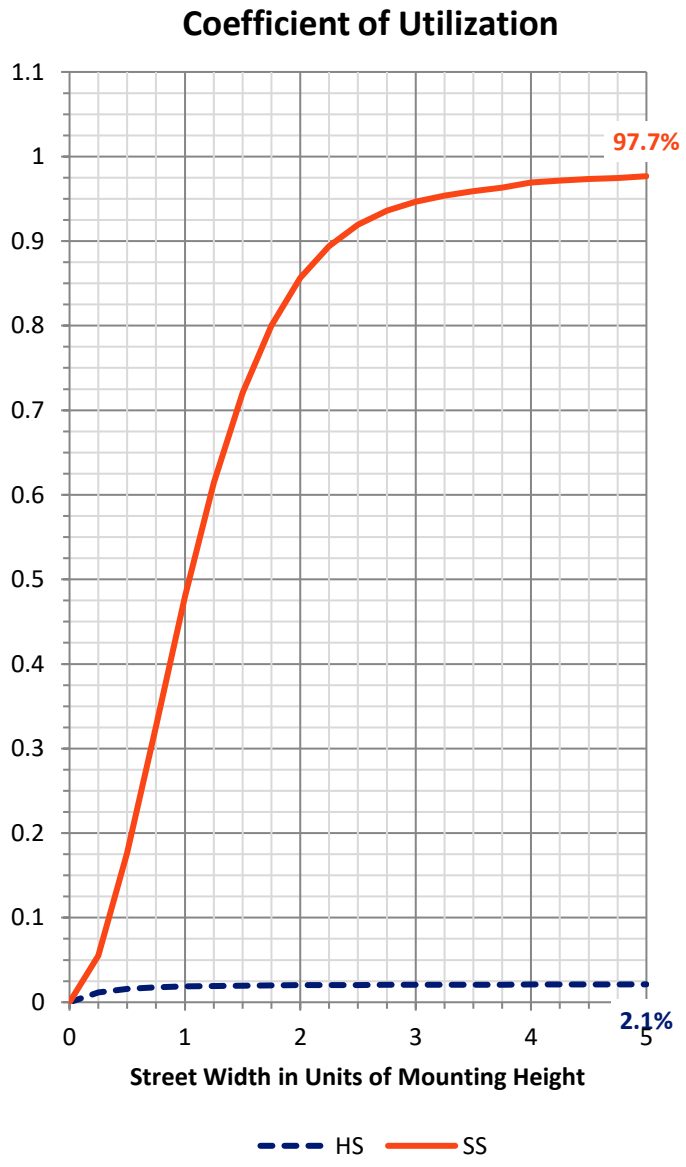
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	93.1	0.0	93.1
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	4200.9	0.0	4200.9
	% Fixture	97.8	0.0	97.8
Total	Lumens	4294.0	0.0	4294.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.3
10°-20°	61.5	1.4
20°-30°	132.7	3.1
30°-40°	283.4	6.6
40°-50°	626.6	14.6
50°-60°	1062.0	24.7
60°-70°	1417.1	33.0
70°-80°	624.2	14.5
80°-90°	71.9	1.7
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°	4294.0	100.0
0°-180°	4294.0	100.0



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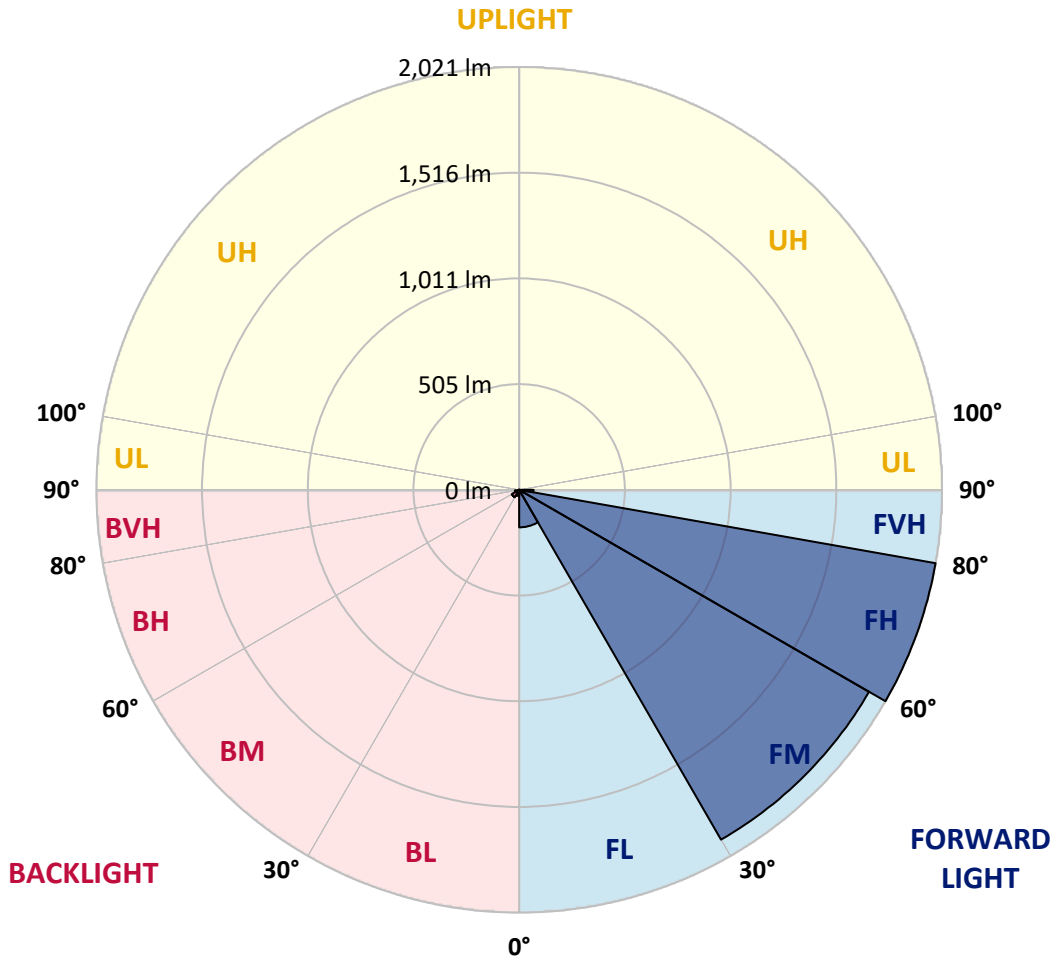
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	179.4	4.2			
FM	(30°-60°)	1931.1	45.0			
FH	(60°-80°)	2021.4	47.1			G2/5000
FVH	(80°-90°)	69.0	1.6			G1/100
BL	(0°-30°)	29.4	0.7	B0/110		
BM	(30°-60°)	40.9	1.0	B0/220		
BH	(60°-80°)	20.0	0.5	B0/110		G0/110
BVH	(80°-90°)	2.9	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-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	*129.6*	129.6	129.6	129.6
2.5°	163.4	162.6	159.3	159.3	154.4	151.1	146.9	*142.8*	142.8	142.0	141.1
5°	216.3	211.3	210.5	201.5	194.0	183.3	173.4	*160.1*	158.5	156.9	156.1
7.5°	274.9	274.1	266.6	256.0	241.0	221.2	201.5	*180.0*	176.7	175.0	171.7
10°	350.9	346.7	336.8	318.7	296.4	269.9	237.7	*203.9*	199.8	196.5	194.8
12.5°	423.5	416.1	410.3	387.2	359.1	320.3	281.6	*232.8*	229.5	225.4	218.8
15°	491.2	484.6	474.7	454.8	423.5	374.8	329.4	*269.9*	261.7	256.0	251.0
17.5°	544.0	539.9	528.3	506.0	472.2	429.2	374.8	*307.9*	301.3	293.9	284.8
20°	594.4	588.6	570.5	539.9	503.5	470.6	428.5	*357.4*	348.4	339.3	329.4
22.5°	642.3	636.5	606.7	556.4	517.6	503.5	488.7	*413.6*	399.6	392.1	382.2
25°	709.1	696.8	650.5	570.5	518.4	529.1	554.7	*486.2*	473.1	462.3	446.6
27.5°	799.1	782.6	709.9	591.1	521.8	557.2	630.7	*574.6*	560.5	548.2	530.8
30°	900.6	889.9	803.2	640.6	545.7	598.5	715.8	*686.8*	670.4	655.4	634.8
32.5°	1003.0	988.2	902.3	734.7	610.1	678.5	822.2	*817.3*	795.9	781.8	759.5
35°	1093.0	1085.6	1022.0	889.1	757.0	819.0	964.2	*969.9*	951.0	936.2	911.4
37.5°	1154.1	1154.1	1141.7	1055.0	990.7	1036.9	1173.1	*1173.9*	1154.9	1121.0	1108.7
40°	1185.5	1194.5	1239.1	1255.6	1252.3	1311.7	1447.2	*1432.3*	1416.6	1399.3	1358.0
42.5°	1249.8	1258.1	1353.1	1466.9	1541.2	1619.7	1713.0	*1708.0*	1689.0	1657.6	1619.7
45°	1358.9	1369.5	1482.7	1663.4	1816.2	1927.6	1987.0	*1963.9*	1945.0	1915.2	1895.4
47.5°	1497.5	1518.1	1646.1	1869.8	2053.9	2238.0	2299.9	*2238.9*	2222.3	2199.2	2167.0
50°	1645.3	1665.1	1801.3	2057.2	2265.3	2484.9	2588.0	*2484.9*	2460.9	2453.5	2417.1
52.5°	1773.3	1789.7	1921.0	2201.7	2427.0	2684.6	2834.8	*2698.7*	2681.3	2656.6	2630.2
55°	1849.2	1862.4	1985.4	2271.0	2536.8	2864.6	3073.5	*2953.7*	2928.2	2918.2	2880.2
57.5°	1874.8	1888.0	1998.5	2280.1	2596.3	3028.8	3363.2	*3367.4*	3336.8	3301.2	3289.7
60°	1874.8	1889.6	1982.9	2257.8	2654.1	3203.8	3749.5	*4093.8*	4027.8	4021.1	3979.1
62.5°	1797.2	1811.2	1905.3	2189.3	2731.7	3440.0	4287.8	*4895.3*	4876.4	4833.5	4764.1
65°	1628.8	1637.0	1729.4	2014.3	2702.0	3657.1	4754.2	*5428.6*	5398.1	5313.9	5224.8
66°	*1552.8*	*1559.4*	*1646.1*	*1914.4*	*2604.6*	*3686.8*	*4836.8*	*5495.5*	*5445.2*	*5374.2*	*5273.5*
67.5°	1443.0	1454.6	1515.6	1728.6	2370.9	3583.6	4784.8	*5448.5*	5404.7	5318.9	5218.1
70°	963.4	955.1	1170.6	1326.6	1806.2	2919.9	4292.7	*4892.0*	4892.8	4852.4	4812.0
72.5°	457.3	462.3	525.1	816.5	1182.2	1950.7	3416.9	*3904.8*	3960.8	3888.2	3837.8
75°	328.6	336.0	374.0	499.5	705.0	1170.6	2214.9	*2730.9*	2732.5	2603.7	2488.9
77.5°	95.8	99.9	140.3	307.9	528.3	790.1	1272.1	*1518.1*	1482.7	1390.2	1303.5
80°	39.6	39.6	41.2	98.2	212.1	536.6	889.9	*1168.9*	1164.8	1129.3	1078.1
82.5°	14.8	15.6	19.8	40.4	50.4	132.1	593.6	*1014.6*	1012.1	961.8	925.4
85°	1.7	1.7	5.0	17.3	19.0	24.8	118.9	*447.5*	445.0	447.5	392.1
87.5°	0.0	0.0	0.8	1.7	2.5	3.3	5.0	*17.3*	19.0	18.1	16.5
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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CATALOG NUMBER: AVS-F03-LED-E-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6
2.5°	141.1	139.5	139.5	138.7	138.7	138.7	137.8	137.0	137.0	136.2	135.3
5°	154.4	152.7	151.9	150.3	149.4	148.6	146.9	146.1	144.5	143.6	142.8
7.5°	170.1	166.7	165.9	163.4	160.9	159.3	157.7	155.2	153.6	150.3	149.4
10°	189.8	185.7	182.5	179.2	176.7	172.5	170.1	166.7	163.4	160.9	158.5
12.5°	215.4	209.6	204.8	201.5	195.6	190.7	185.7	183.3	176.7	173.4	169.2
15°	243.5	236.9	231.2	224.6	220.4	212.1	205.6	198.1	194.8	189.0	182.5
17.5°	279.9	269.1	260.0	253.5	245.2	236.9	229.5	222.1	212.1	205.6	197.3
20°	318.7	309.5	297.2	285.6	275.8	265.8	255.1	245.2	236.1	225.4	215.4
22.5°	368.2	355.0	340.1	328.6	315.3	304.7	289.7	276.6	261.7	247.7	236.1
25°	430.9	413.6	399.6	383.0	367.4	350.9	332.6	316.2	297.2	283.9	264.1
27.5°	508.5	492.0	473.1	451.6	435.9	411.1	387.2	366.5	344.2	323.6	301.3
30°	607.6	583.6	563.8	543.2	511.8	487.9	459.8	431.7	401.2	380.5	346.7
32.5°	726.4	700.8	671.2	641.5	612.5	578.7	544.0	509.3	475.5	437.5	402.9
35°	871.7	841.2	807.4	775.1	730.6	694.3	650.5	602.6	564.7	520.9	477.2
37.5°	1064.1	1013.8	984.0	950.2	889.9	840.4	791.7	743.8	676.9	630.7	568.8
40°	1305.2	1275.4	1226.7	1172.2	1117.7	1052.5	986.5	922.9	845.4	780.9	709.1
42.5°	1588.3	1544.6	1495.0	1416.6	1361.2	1284.6	1209.4	1125.2	1030.3	947.7	863.5
45°	1854.1	1802.1	1764.1	1685.7	1628.0	1537.1	1446.3	1357.2	1247.4	1140.8	1043.4
47.5°	2141.5	2098.4	2035.8	1972.2	1913.6	1811.2	1713.0	1604.9	1489.2	1362.9	1236.7
50°	2394.0	2360.2	2317.2	2240.5	2175.2	2089.4	1973.8	1855.8	1709.6	1584.1	1440.5
52.5°	2608.7	2582.3	2522.0	2467.5	2408.9	2328.0	2224.8	2111.7	1954.0	1816.2	1652.7
55°	2862.1	2843.1	2790.3	2756.5	2704.5	2626.8	2530.3	2425.4	2258.7	2108.4	1923.5
57.5°	3277.3	3262.5	3216.3	3202.2	3151.0	3083.3	2964.5	2852.2	2657.4	2470.8	2259.5
60°	3965.0	3935.2	3867.6	3833.0	3724.8	3634.0	3479.6	3325.2	3089.9	2852.2	2597.9
62.5°	4701.3	4618.0	4489.2	4378.5	4225.1	4067.4	3860.9	3624.9	3349.1	3066.8	2774.6
65°	5098.4	4956.5	4793.8	4618.0	4419.1	4187.0	3927.0	3643.8	3347.5	3049.5	2740.7
66°	*5143.8*	*4983.7*	*4811.2*	*4615.5*	*4394.3*	*4147.5*	*3883.3*	*3586.1*	*3278.1*	*2987.6*	*2678.9*
67.5°	5086.8	4919.3	4736.9	4519.8	4280.3	4024.5	3747.0	3438.3	3142.0	2847.3	2546.7
70°	4688.2	4521.5	4358.8	4130.1	3875.0	3617.4	3354.9	3009.8	2729.2	2458.4	2191.0
72.5°	3743.7	3630.7	3469.6	3274.0	3025.6	2723.4	2504.7	2195.9	1952.3	1689.8	1482.7
75°	2339.6	2180.2	1981.2	1731.9	1542.1	1296.9	1168.9	934.5	795.9	674.4	557.2
77.5°	1196.2	1076.5	937.0	796.6	662.1	528.3	408.6	288.9	194.8	135.3	100.7
80°	988.2	882.5	766.9	639.0	520.1	403.7	290.6	198.1	126.3	82.6	64.4
82.5°	816.5	727.3	624.1	505.2	402.1	317.0	220.4	143.6	89.1	57.8	45.4
85°	347.6	315.3	243.5	193.2	145.3	107.4	75.1	50.4	35.5	28.9	26.4
87.5°	14.8	16.5	15.6	12.3	9.1	9.1	8.3	6.6	6.6	6.6	6.6
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6	129.6
2.5°	135.3	134.6	133.8	133.8	133.0	132.1	127.2	123.0	118.0	114.7	111.4
5°	141.1	140.3	138.7	137.8	136.2	135.3	124.7	115.5	108.2	102.4	98.2
7.5°	146.9	146.1	143.6	141.1	140.3	138.7	121.3	109.8	99.9	93.3	89.1
10°	154.4	151.9	149.4	146.1	143.6	141.1	118.0	103.2	92.4	86.6	82.6
12.5°	165.1	160.9	156.9	152.7	149.4	145.3	116.4	97.4	86.6	80.1	76.0
15°	177.5	171.7	166.7	161.8	156.1	151.9	113.1	92.4	81.8	75.1	70.2
17.5°	189.0	182.5	175.0	167.6	161.8	156.1	109.8	87.5	76.8	70.2	65.2
20°	205.6	195.6	186.5	177.5	169.2	161.8	104.9	82.6	72.6	65.2	60.3
22.5°	223.7	212.1	200.6	188.2	177.5	167.6	100.7	78.4	68.5	61.1	55.3
25°	246.8	232.8	217.1	201.5	189.0	175.9	96.6	74.3	64.4	57.0	51.2
27.5°	279.1	259.2	241.9	222.1	203.1	188.2	93.3	71.0	60.3	52.8	47.0
30°	322.8	293.9	266.6	245.2	222.9	201.5	89.9	66.8	57.0	48.7	42.1
32.5°	371.5	337.6	306.3	274.1	246.0	221.2	86.6	63.5	52.8	44.6	38.8
35°	431.7	388.8	346.7	309.5	275.8	242.7	83.4	60.3	49.5	40.4	34.7
37.5°	518.4	464.8	409.4	361.6	317.8	274.1	80.9	57.0	45.4	36.4	30.6
40°	637.3	568.0	500.3	435.0	378.1	323.6	77.6	53.7	42.1	33.1	27.3
42.5°	766.1	681.9	592.7	519.3	440.8	372.3	74.3	50.4	38.8	29.7	23.9
45°	926.2	821.3	713.3	613.4	517.6	429.2	71.0	47.0	34.7	26.4	20.6
47.5°	1101.2	967.6	845.4	719.9	605.9	500.3	66.8	44.6	31.4	23.1	18.1
50°	1281.2	1140.0	985.7	842.9	707.5	571.3	62.7	40.4	28.1	20.6	14.8
52.5°	1475.2	1308.5	1150.8	973.3	815.6	664.6	58.7	37.1	25.6	18.1	12.3
55°	1722.1	1535.4	1350.6	1151.6	961.8	772.6	54.5	33.1	22.3	15.6	9.9
57.5°	2032.4	1811.2	1584.1	1359.7	1129.3	914.7	51.2	28.9	19.0	13.2	8.3
60°	2325.5	2067.2	1792.2	1533.8	1273.8	1023.6	46.2	25.6	16.5	10.8	8.3
62.5°	2477.4	2182.7	1886.3	1601.6	1324.1	1062.5	41.2	21.5	14.0	9.1	7.5
65°	2440.2	2139.8	1852.4	1565.2	1293.6	1037.7	36.4	19.0	12.3	8.3	7.5
66°	*2386.6*	*2089.4*	*1800.5*	*1527.3*	*1268.0*	*1011.3*	*33.9*	*18.1*	*11.6*	*8.3*	*6.6*
67.5°	2269.3	1982.1	1706.3	1452.1	1197.8	960.9	30.6	16.5	10.8	7.5	6.6
70°	1938.3	1677.5	1457.1	1230.9	1023.6	809.8	24.8	14.0	9.1	6.6	6.6
72.5°	1282.9	1105.4	958.4	824.7	689.3	534.9	20.6	11.6	7.5	6.6	5.8
75°	483.7	437.5	375.6	337.6	294.7	258.3	16.5	7.5	5.8	5.8	5.8
77.5°	85.8	79.3	70.2	64.4	59.5	54.5	13.2	5.0	5.0	5.8	5.8
80°	57.8	53.7	48.7	44.6	41.2	37.1	9.1	4.1	5.0	5.0	5.8
82.5°	41.2	38.8	36.4	33.1	30.6	27.3	5.8	4.1	5.0	5.0	5.0
85°	24.8	23.1	21.5	19.8	17.3	16.5	4.1	4.1	4.1	5.0	5.0
87.5°	6.6	5.8	6.6	6.6	5.0	5.8	3.3	3.3	3.3	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P150905
CATALOG NUMBER: AVS-F03-LED-E-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	129.6	129.6	129.6	129.6	129.6
2.5°	109.8	109.8	108.2	110.6	110.6
5°	94.9	94.9	94.1	94.9	94.9
7.5°	86.6	85.8	85.8	85.8	86.6
10°	79.3	78.4	78.4	78.4	78.4
12.5°	72.6	71.8	71.0	71.8	71.8
15°	66.8	65.2	65.2	65.2	65.2
17.5°	61.9	60.3	59.5	59.5	59.5
20°	57.0	54.5	54.5	54.5	54.5
22.5°	52.0	49.5	49.5	49.5	49.5
25°	47.0	44.6	44.6	44.6	44.6
27.5°	42.9	40.4	40.4	40.4	40.4
30°	37.9	36.4	36.4	37.1	36.4
32.5°	34.7	32.2	32.2	33.1	33.1
35°	30.6	28.9	28.9	28.9	28.9
37.5°	26.4	24.8	24.8	24.8	24.8
40°	23.1	21.5	20.6	21.5	21.5
42.5°	19.8	18.1	17.3	17.3	17.3
45°	17.3	14.8	14.0	14.8	14.8
47.5°	14.0	12.3	12.3	13.2	13.2
50°	10.8	10.8	11.6	13.2	13.2
52.5°	9.9	9.9	11.6	13.2	13.2
55°	9.1	9.9	11.6	12.3	13.2
57.5°	8.3	9.9	11.6	12.3	12.3
60°	8.3	9.1	10.8	12.3	12.3
62.5°	7.5	8.3	9.9	11.6	11.6
65°	7.5	8.3	9.9	11.6	11.6
66°	*7.5*	*8.3*	*9.9*	*11.6*	*11.6*
67.5°	7.5	8.3	9.9	11.6	11.6
70°	7.5	8.3	9.9	10.8	10.8
72.5°	6.6	7.5	9.1	10.8	10.8
75°	6.6	7.5	9.1	10.8	10.8
77.5°	6.6	7.5	9.1	10.8	10.8
80°	6.6	7.5	9.1	9.9	10.8
82.5°	5.8	7.5	8.3	9.9	9.9
85°	5.8	6.6	8.3	9.1	9.9
87.5°	5.0	5.8	6.6	8.3	8.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)