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: P150886

Luminaire Tested: **AVS-F01-LED-E-U-SL3-HSS-7050**

Issue Date: 3/3/2020

Report Generated By E9812814

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Peachtree City, GA 30269

Test Information

Test Method:	LM-79-08
Report Number:	P150886
	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-F01-LED-E-U-SL3-HSS-7050
Description:	VISION SITE SMALL LED LUMINAIRE
	(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source:	(7) 5000K CCT, 70 CRI LEDs
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1468.7 lumens
Efficiency:	N/A
Efficacy:	56.7 lumens/watt
Luminous Opening:	Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification:	Type III - 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

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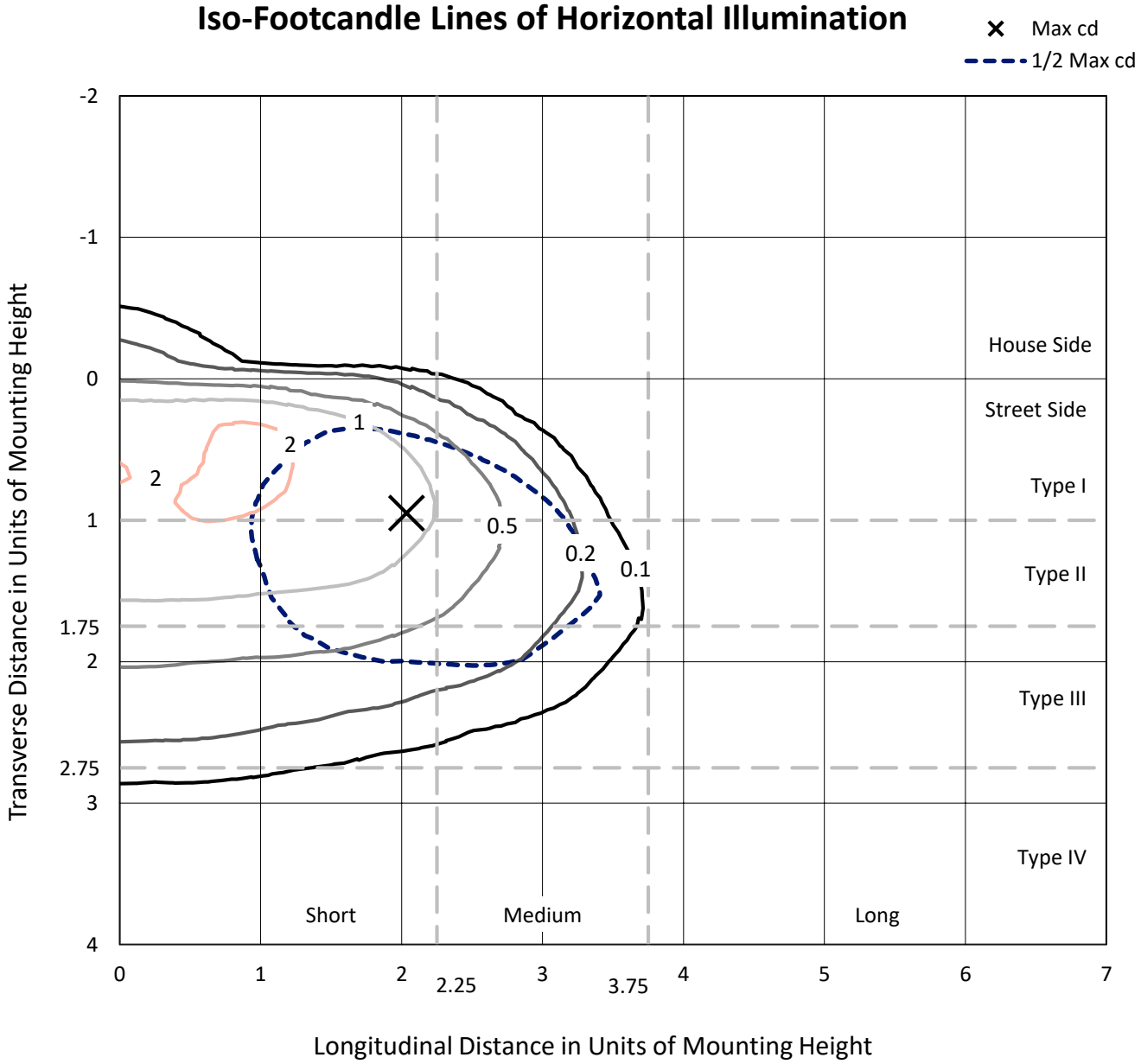
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Short - Non-Cutoff

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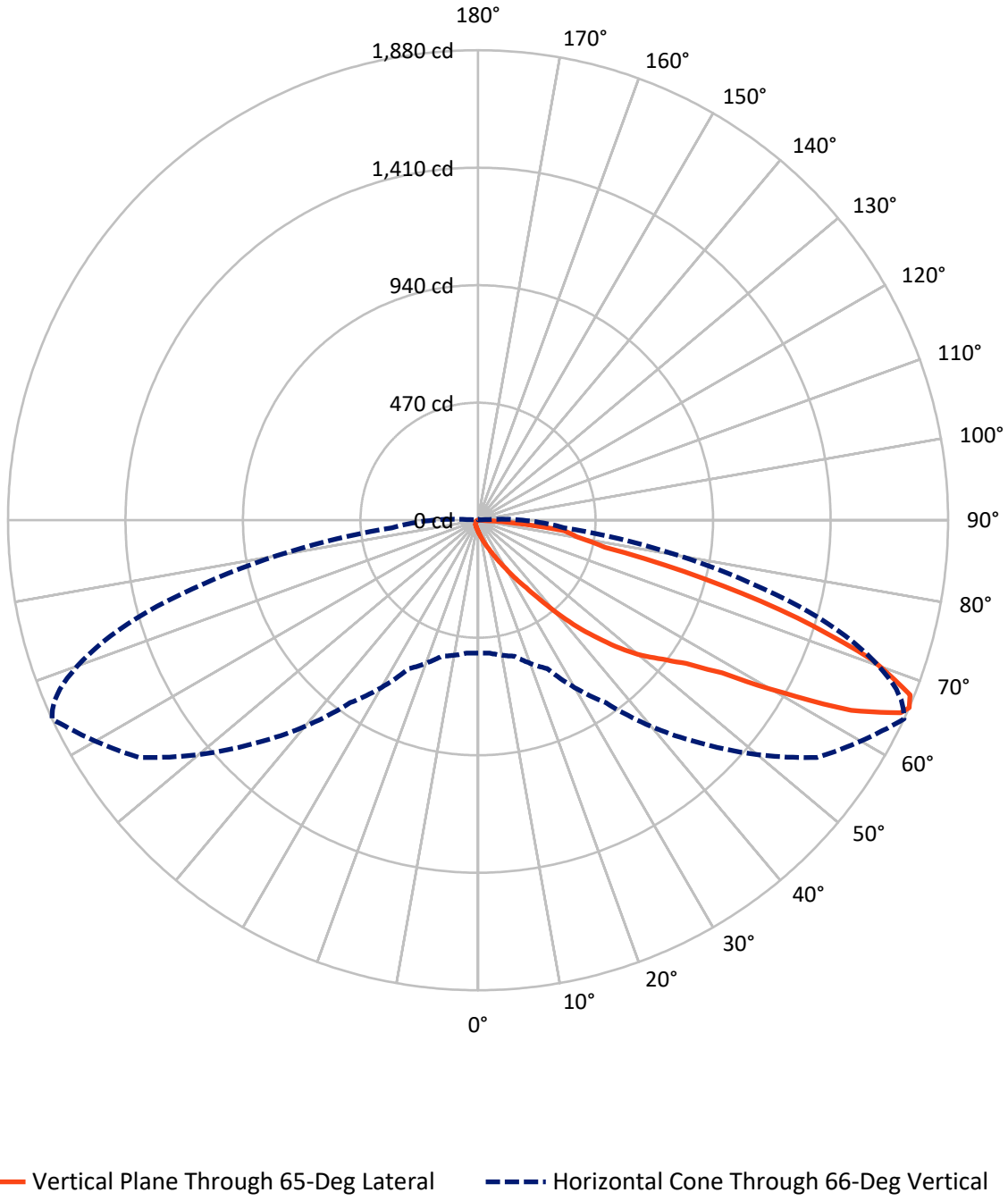
Luminous Intensity Polar Plot



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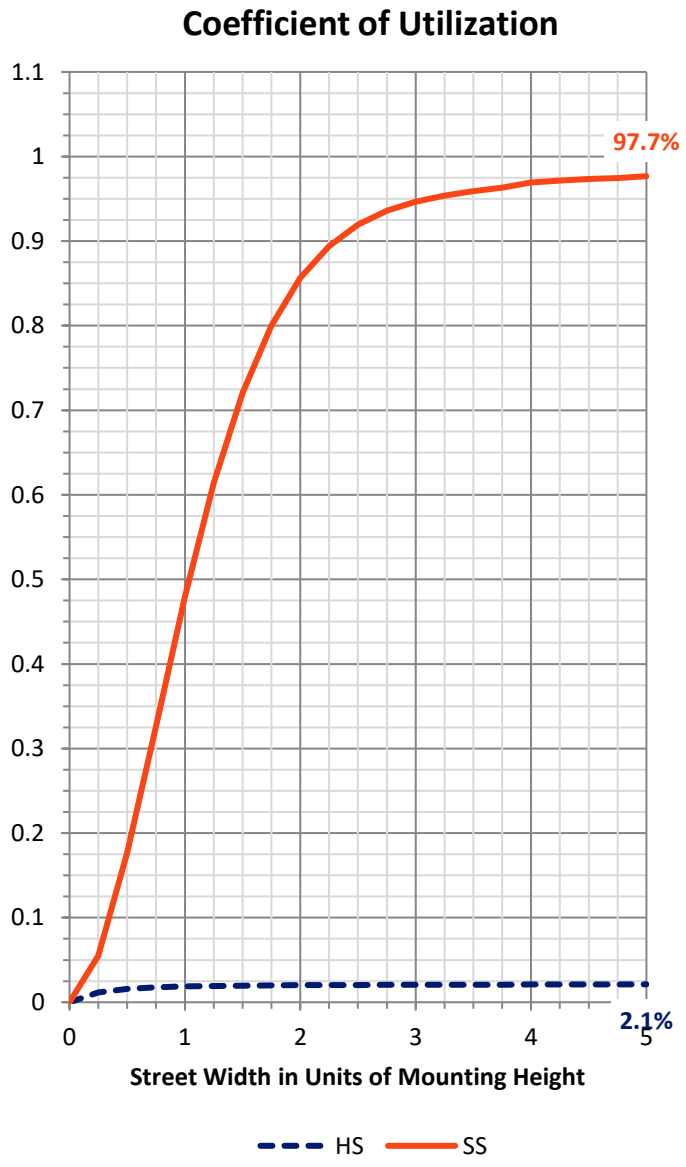
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31.8	0.0	31.8
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	1436.9	0.0	1436.9
	% Fixture	97.8	0.0	97.8
Total	Lumens	1468.7	0.0	1468.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.3
10°-20°	21.0	1.4
20°-30°	45.4	3.1
30°-40°	96.9	6.6
40°-50°	214.3	14.6
50°-60°	363.2	24.7
60°-70°	484.7	33.0
70°-80°	213.5	14.5
80°-90°	24.6	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°	1468.7	100.0
0°-180°	1468.7	100.0



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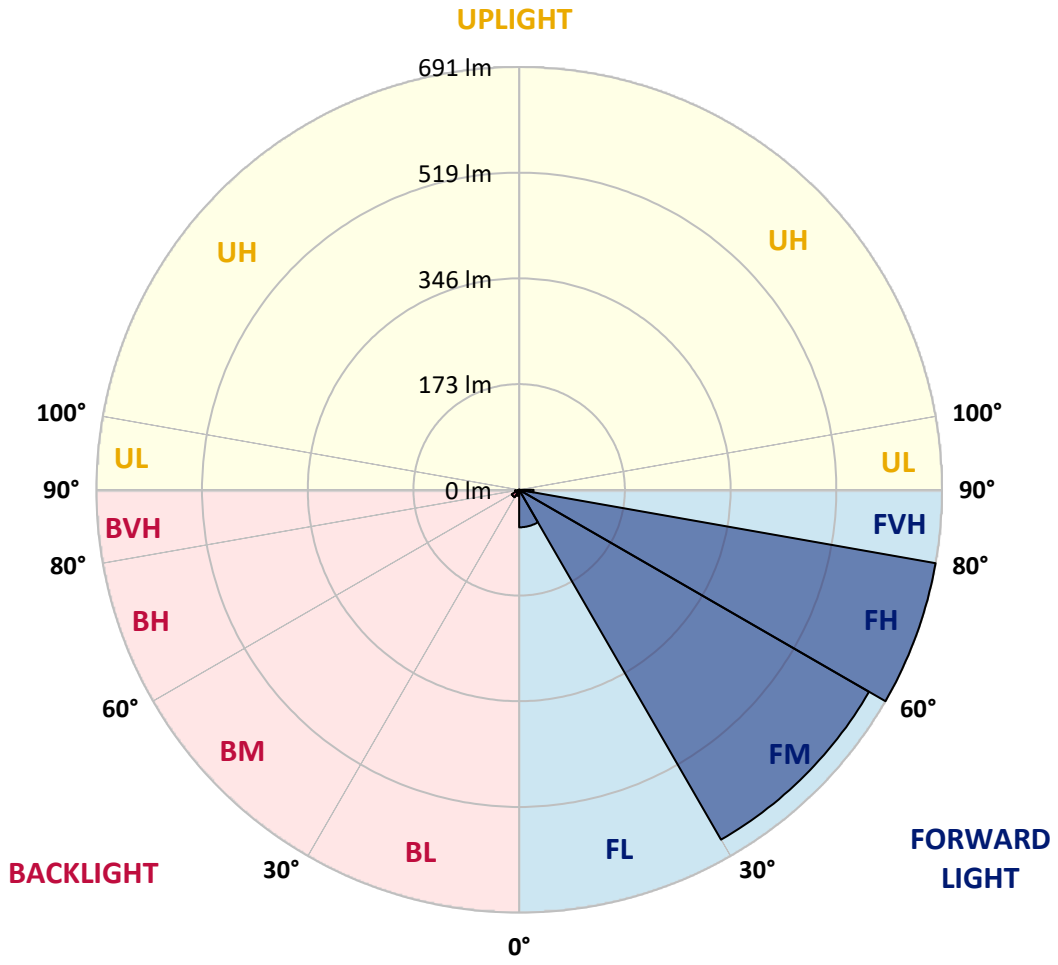
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	61.3	4.2			
FM	(30°-60°)	660.5	45.0			
FH	(60°-80°)	691.4	47.1			G1/1800
FVH	(80°-90°)	23.6	1.6			G1/100
BL	(0°-30°)	10.0	0.7	B0/110		
BM	(30°-60°)	14.0	1.0	B0/220		
BH	(60°-80°)	6.8	0.5	B0/110		G0/110
BVH	(80°-90°)	1.0	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
2.5°	56.0	55.6	54.5	54.5	52.8	51.7	50.3	48.8	48.8	48.6	48.3
5°	74.0	72.3	72.0	68.9	66.3	62.7	59.3	54.8	54.2	53.7	53.4
7.5°	94.0	93.8	91.2	87.6	82.5	75.6	68.9	61.6	60.4	59.9	58.8
10°	120.0	118.5	115.2	109.0	101.3	92.3	81.3	69.7	68.3	67.2	66.6
12.5°	144.9	142.3	140.3	132.4	122.8	109.5	96.3	79.6	78.4	77.1	74.8
15°	168.0	165.7	162.4	155.5	144.9	128.2	112.6	92.3	89.5	87.6	85.8
17.5°	186.1	184.7	180.7	173.1	161.6	146.8	128.2	105.3	103.1	100.5	97.4
20°	203.3	201.3	195.1	184.7	172.2	160.9	146.5	122.3	119.2	116.1	112.6
22.5°	219.7	217.7	207.6	190.3	177.0	172.2	167.2	141.5	136.7	134.1	130.8
25°	242.6	238.3	222.5	195.1	177.3	181.0	189.7	166.3	161.8	158.1	152.7
27.5°	273.4	267.7	242.8	202.2	178.4	190.6	215.8	196.5	191.7	187.5	181.6
30°	308.1	304.4	274.7	219.1	186.6	204.7	244.8	234.9	229.3	224.1	217.1
32.5°	343.1	338.0	308.6	251.3	208.7	232.1	281.2	279.6	272.2	267.4	259.8
35°	373.9	371.3	349.5	304.1	259.0	280.1	329.8	331.8	325.3	320.2	311.7
37.5°	394.7	394.7	390.5	360.8	338.9	354.6	401.2	401.6	395.0	383.4	379.2
40°	405.5	408.6	423.8	429.4	428.3	448.7	495.0	489.8	484.6	478.5	464.5
42.5°	427.5	430.4	462.8	501.8	527.2	554.0	585.9	584.2	577.7	566.9	554.0
45°	464.8	468.4	507.2	568.9	621.1	659.3	679.6	671.7	665.3	655.0	648.3
47.5°	512.2	519.3	563.0	639.6	702.5	765.5	786.6	765.8	760.1	752.2	741.1
50°	562.7	569.5	616.1	703.6	774.8	849.9	885.2	849.9	841.8	839.2	826.7
52.5°	606.5	612.1	657.1	753.1	830.2	918.2	969.6	923.0	917.1	908.6	899.6
55°	632.4	637.0	679.1	776.8	867.7	979.8	1051.2	1010.3	1001.6	998.1	985.2
57.5°	641.2	645.8	683.6	779.9	888.0	1036.0	1150.4	1151.7	1141.2	1129.1	1125.2
60°	641.2	646.3	678.2	772.2	907.8	1095.9	1282.5	1400.2	1377.6	1375.3	1360.9
62.5°	614.7	619.5	651.7	748.8	934.3	1176.6	1466.5	1674.4	1667.9	1653.2	1629.5
65°	557.1	559.9	591.5	688.9	924.1	1250.9	1626.1	1856.8	1846.3	1817.5	1787.0
66°	531.1	533.4	563.0	654.8	890.9	1261.0	1654.3	1879.7	1862.5	1838.1	1803.7
67.5°	493.6	497.5	518.4	591.3	811.0	1225.7	1636.6	1863.5	1848.6	1819.3	1784.8
70°	329.5	326.7	400.4	453.8	617.8	998.7	1468.3	1673.3	1673.6	1659.7	1645.9
72.5°	156.5	158.1	179.6	279.3	404.4	667.3	1168.7	1335.5	1354.7	1329.9	1312.6
75°	112.3	114.9	127.9	170.8	241.1	400.4	757.6	934.1	934.6	890.6	851.3
77.5°	32.7	34.2	48.0	105.3	180.7	270.3	435.1	519.3	507.2	475.4	445.8
80°	13.6	13.6	14.1	33.6	72.5	183.5	304.4	399.8	398.4	386.2	368.8
82.5°	5.1	5.4	6.7	13.9	17.2	45.2	203.0	347.0	346.2	328.9	316.5
85°	0.5	0.5	1.7	5.9	6.5	8.5	40.6	153.1	152.2	153.1	134.1
87.5°	0.0	0.0	0.3	0.5	0.8	1.1	1.7	5.9	6.5	6.2	5.6
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
2.5°	48.3	47.7	47.7	47.5	47.5	47.5	47.2	46.8	46.8	46.6	46.3
5°	52.8	52.2	51.9	51.4	51.1	50.8	50.3	49.9	49.4	49.1	48.8
7.5°	58.1	57.0	56.8	56.0	55.0	54.5	53.9	53.1	52.5	51.4	51.1
10°	65.0	63.5	62.4	61.2	60.4	59.0	58.1	57.0	56.0	55.0	54.2
12.5°	73.7	71.7	70.1	68.9	66.9	65.2	63.5	62.7	60.4	59.3	57.9
15°	83.3	81.0	79.1	76.8	75.4	72.5	70.3	67.8	66.6	64.7	62.4
17.5°	95.8	92.0	88.9	86.7	83.8	81.0	78.4	76.0	72.5	70.3	67.5
20°	109.0	105.9	101.7	97.7	94.3	90.9	87.3	83.8	80.7	77.1	73.7
22.5°	125.9	121.5	116.4	112.3	107.9	104.1	99.1	94.6	89.5	84.7	80.7
25°	147.4	141.5	136.7	131.0	125.7	120.0	113.8	108.2	101.7	97.1	90.4
27.5°	173.9	168.3	161.8	154.4	149.1	140.6	132.4	125.4	117.7	110.7	103.1
30°	207.8	199.6	192.8	185.8	175.0	166.8	157.3	147.7	137.2	130.2	118.5
32.5°	248.5	239.7	229.5	219.4	209.5	197.9	186.1	174.2	162.6	149.6	137.8
35°	298.1	287.8	276.2	265.2	249.8	237.5	222.5	206.1	193.2	178.1	163.2
37.5°	363.9	346.7	336.6	325.0	304.4	287.5	270.8	254.4	231.5	215.8	194.5
40°	446.4	436.3	419.6	400.9	382.3	360.0	337.4	315.6	289.1	267.2	242.6
42.5°	543.2	528.3	511.4	484.6	465.6	439.4	413.7	384.9	352.4	324.1	295.3
45°	634.2	616.4	603.4	576.6	556.8	525.8	494.7	464.2	426.6	390.3	356.9
47.5°	732.4	717.7	696.3	674.5	654.5	619.5	585.9	548.9	509.3	466.2	423.0
50°	818.9	807.3	792.5	766.3	744.0	714.6	675.1	634.7	584.8	541.9	492.7
52.5°	892.2	883.2	862.6	843.9	823.9	796.3	760.9	722.3	668.4	621.1	565.3
55°	979.0	972.4	954.4	942.8	925.0	898.4	865.4	829.5	772.5	721.1	657.9
57.5°	1120.9	1115.9	1100.1	1095.2	1077.7	1054.6	1014.0	975.5	908.9	845.1	772.8
60°	1356.2	1346.0	1322.9	1311.0	1274.0	1242.9	1190.2	1137.3	1056.9	975.5	888.6
62.5°	1608.1	1579.5	1535.4	1497.6	1445.1	1391.2	1320.6	1239.8	1145.5	1048.9	949.0
65°	1743.8	1695.2	1639.7	1579.5	1511.5	1432.1	1343.2	1246.3	1145.0	1043.0	937.4
66°	*1759.4*	*1704.6*	*1645.6*	*1578.7*	*1503.0*	*1418.5*	*1328.2*	*1226.5*	*1121.2*	*1021.9*	*916.3*
67.5°	1739.9	1682.6	1620.2	1545.9	1464.0	1376.5	1281.7	1176.1	1074.6	973.9	871.1
70°	1603.5	1546.5	1490.9	1412.6	1325.4	1237.3	1147.5	1029.4	933.5	840.8	749.4
72.5°	1280.5	1241.8	1186.7	1119.8	1034.8	931.5	856.7	751.1	667.8	578.0	507.2
75°	800.2	745.7	677.6	592.4	527.5	443.6	399.8	319.6	272.2	230.7	190.6
77.5°	409.1	368.2	320.5	272.4	226.4	180.7	139.8	98.9	66.6	46.3	34.4
80°	338.0	301.9	262.3	218.5	177.9	138.0	99.4	67.8	43.2	28.2	22.1
82.5°	279.3	248.8	213.5	172.8	137.5	108.4	75.4	49.1	30.5	19.8	15.5
85°	118.9	107.9	83.3	66.1	49.7	36.7	25.7	17.2	12.1	9.8	9.0
87.5°	5.1	5.6	5.4	4.2	3.1	3.1	2.8	2.3	2.3	2.3	2.3
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°	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
2.5°	46.3	46.0	45.7	45.7	45.5	45.2	43.5	42.1	40.4	39.3	38.1
5°	48.3	48.0	47.5	47.2	46.6	46.3	42.6	39.5	37.0	35.0	33.6
7.5°	50.3	49.9	49.1	48.3	48.0	47.5	41.6	37.5	34.2	31.9	30.5
10°	52.8	51.9	51.1	49.9	49.1	48.3	40.4	35.3	31.6	29.6	28.2
12.5°	56.5	55.0	53.7	52.2	51.1	49.7	39.8	33.4	29.6	27.4	26.0
15°	60.7	58.8	57.0	55.3	53.4	51.9	38.7	31.6	28.0	25.7	24.0
17.5°	64.7	62.4	59.9	57.3	55.3	53.4	37.5	29.9	26.2	24.0	22.3
20°	70.3	66.9	63.8	60.7	57.9	55.3	35.9	28.2	24.9	22.3	20.6
22.5°	76.5	72.5	68.6	64.4	60.7	57.3	34.4	26.8	23.4	20.9	19.0
25°	84.5	79.6	74.3	68.9	64.7	60.1	33.1	25.4	22.1	19.5	17.5
27.5°	95.4	88.7	82.7	76.0	69.4	64.4	31.9	24.2	20.6	18.0	16.1
30°	110.4	100.5	91.2	83.8	76.3	68.9	30.8	22.9	19.5	16.7	14.4
32.5°	127.0	115.4	104.8	93.8	84.1	75.6	29.6	21.8	18.0	15.2	13.3
35°	147.7	133.0	118.5	105.9	94.3	83.0	28.5	20.6	16.9	13.9	11.8
37.5°	177.3	159.0	140.0	123.6	108.7	93.8	27.7	19.5	15.5	12.4	10.5
40°	218.0	194.3	171.1	148.8	129.3	110.7	26.5	18.3	14.4	11.3	9.3
42.5°	262.1	233.3	202.7	177.6	150.8	127.4	25.4	17.2	13.3	10.2	8.2
45°	316.8	280.9	243.9	209.7	177.0	146.8	24.2	16.1	11.8	9.0	7.0
47.5°	376.7	330.9	289.1	246.2	207.3	171.1	22.9	15.2	10.8	7.9	6.2
50°	438.2	389.9	337.1	288.3	242.0	195.4	21.5	13.9	9.6	7.0	5.1
52.5°	504.6	447.6	393.6	332.8	279.0	227.3	20.0	12.7	8.7	6.2	4.2
55°	589.0	525.2	462.0	393.9	328.9	264.2	18.7	11.3	7.7	5.4	3.4
57.5°	695.1	619.5	541.9	465.1	386.2	312.8	17.5	9.8	6.5	4.6	2.8
60°	795.4	707.0	613.0	524.7	435.6	350.2	15.9	8.7	5.6	3.6	2.8
62.5°	847.4	746.5	645.2	547.8	453.0	363.4	14.1	7.4	4.8	3.1	2.6
65°	834.6	731.9	633.6	535.3	442.5	354.9	12.4	6.5	4.2	2.8	2.6
66°	*816.3*	*714.6*	*615.9*	*522.4*	*433.7*	*345.9*	*11.6*	*6.2*	*3.9*	*2.8*	*2.3*
67.5°	776.2	677.9	583.6	496.7	409.7	328.7	10.5	5.6	3.6	2.6	2.3
70°	663.0	573.8	498.3	421.0	350.2	277.0	8.5	4.8	3.1	2.3	2.3
72.5°	438.8	378.0	327.8	282.1	235.8	183.0	7.0	3.9	2.6	2.3	2.0
75°	165.5	149.6	128.5	115.4	100.8	88.4	5.6	2.6	2.0	2.0	2.0
77.5°	29.3	27.2	24.0	22.1	20.3	18.7	4.6	1.7	1.7	2.0	2.0
80°	19.8	18.3	16.7	15.2	14.1	12.7	3.1	1.5	1.7	1.7	2.0
82.5°	14.1	13.3	12.4	11.3	10.5	9.3	2.0	1.5	1.7	1.7	1.7
85°	8.5	7.9	7.4	6.7	5.9	5.6	1.5	1.5	1.5	1.7	1.7
87.5°	2.3	2.0	2.3	2.3	1.7	2.0	1.1	1.1	1.1	1.5	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

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

Scaled Data Report

REPORT NUMBER: P150886
CATALOG NUMBER: AVS-F01-LED-E-U-SL3-HSS-7050

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	44.4	44.4	44.4	44.4	44.4
2.5°	37.5	37.5	37.0	37.8	37.8
5°	32.4	32.4	32.2	32.4	32.4
7.5°	29.6	29.3	29.3	29.3	29.6
10°	27.2	26.8	26.8	26.8	26.8
12.5°	24.9	24.6	24.2	24.6	24.6
15°	22.9	22.3	22.3	22.3	22.3
17.5°	21.1	20.6	20.3	20.3	20.3
20°	19.5	18.7	18.7	18.7	18.7
22.5°	17.8	16.9	16.9	16.9	16.9
25°	16.1	15.2	15.2	15.2	15.2
27.5°	14.7	13.9	13.9	13.9	13.9
30°	13.0	12.4	12.4	12.7	12.4
32.5°	11.8	11.0	11.0	11.3	11.3
35°	10.5	9.8	9.8	9.8	9.8
37.5°	9.0	8.5	8.5	8.5	8.5
40°	7.9	7.4	7.0	7.4	7.4
42.5°	6.7	6.2	5.9	5.9	5.9
45°	5.9	5.1	4.8	5.1	5.1
47.5°	4.8	4.2	4.2	4.6	4.6
50°	3.6	3.6	3.9	4.6	4.6
52.5°	3.4	3.4	3.9	4.6	4.6
55°	3.1	3.4	3.9	4.2	4.6
57.5°	2.8	3.4	3.9	4.2	4.2
60°	2.8	3.1	3.6	4.2	4.2
62.5°	2.6	2.8	3.4	3.9	3.9
65°	2.6	2.8	3.4	3.9	3.9
66°	*2.6*	*2.8*	*3.4*	*3.9*	*3.9*
67.5°	2.6	2.8	3.4	3.9	3.9
70°	2.6	2.8	3.4	3.6	3.6
72.5°	2.3	2.6	3.1	3.6	3.6
75°	2.3	2.6	3.1	3.6	3.6
77.5°	2.3	2.6	3.1	3.6	3.6
80°	2.3	2.6	3.1	3.4	3.6
82.5°	2.0	2.6	2.8	3.4	3.4
85°	2.0	2.3	2.8	3.1	3.4
87.5°	1.7	2.0	2.3	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)