

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: P152603

Luminaire Tested: **AVS-F02-LED-E-U-SL4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P152603
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-F02-LED-E-U-SL4-8030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4116.5 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 55
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

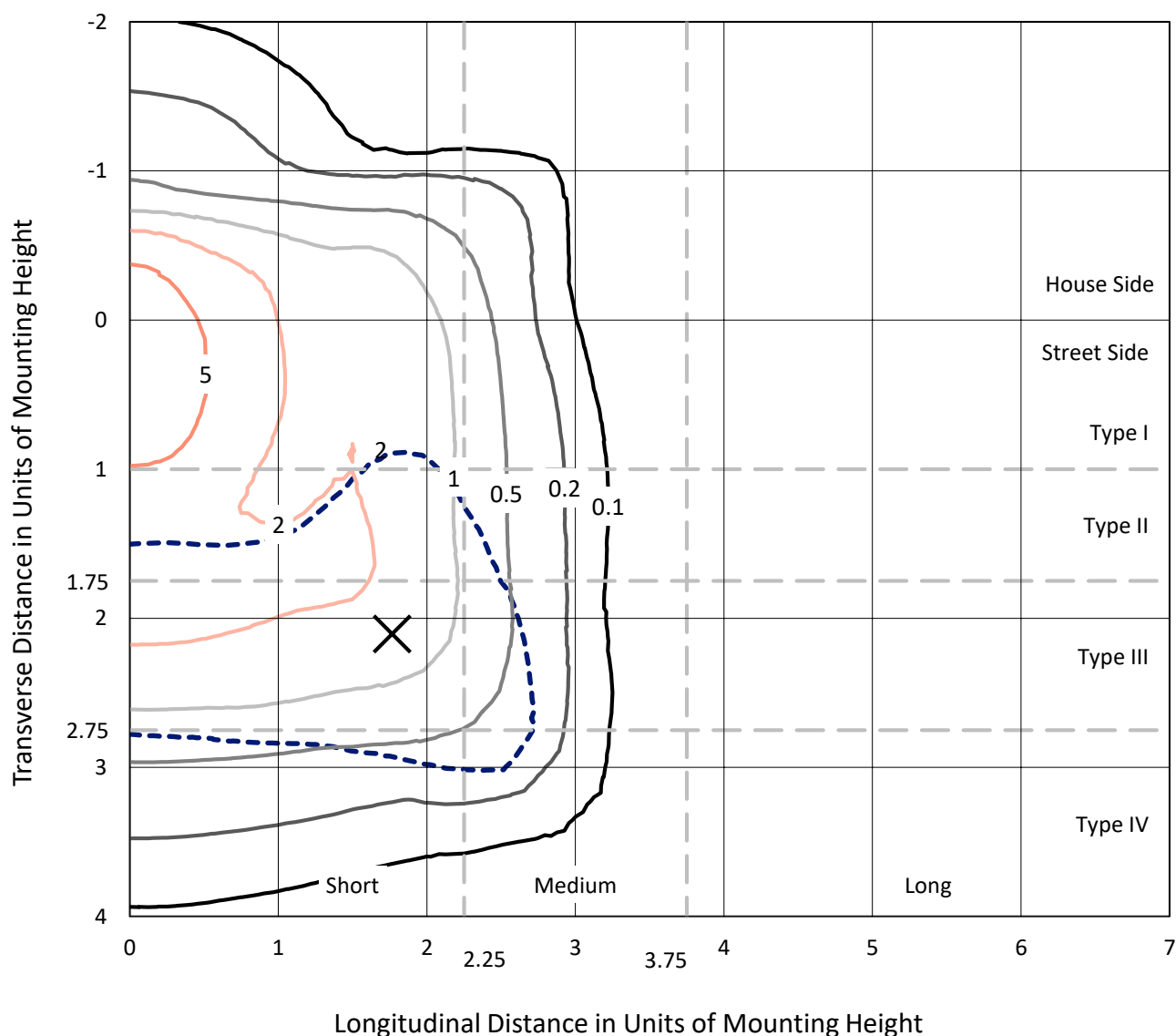


REPORT NUMBER: P152603

CATALOG NUMBER: AVS-F02-LED-E-U-SL4-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

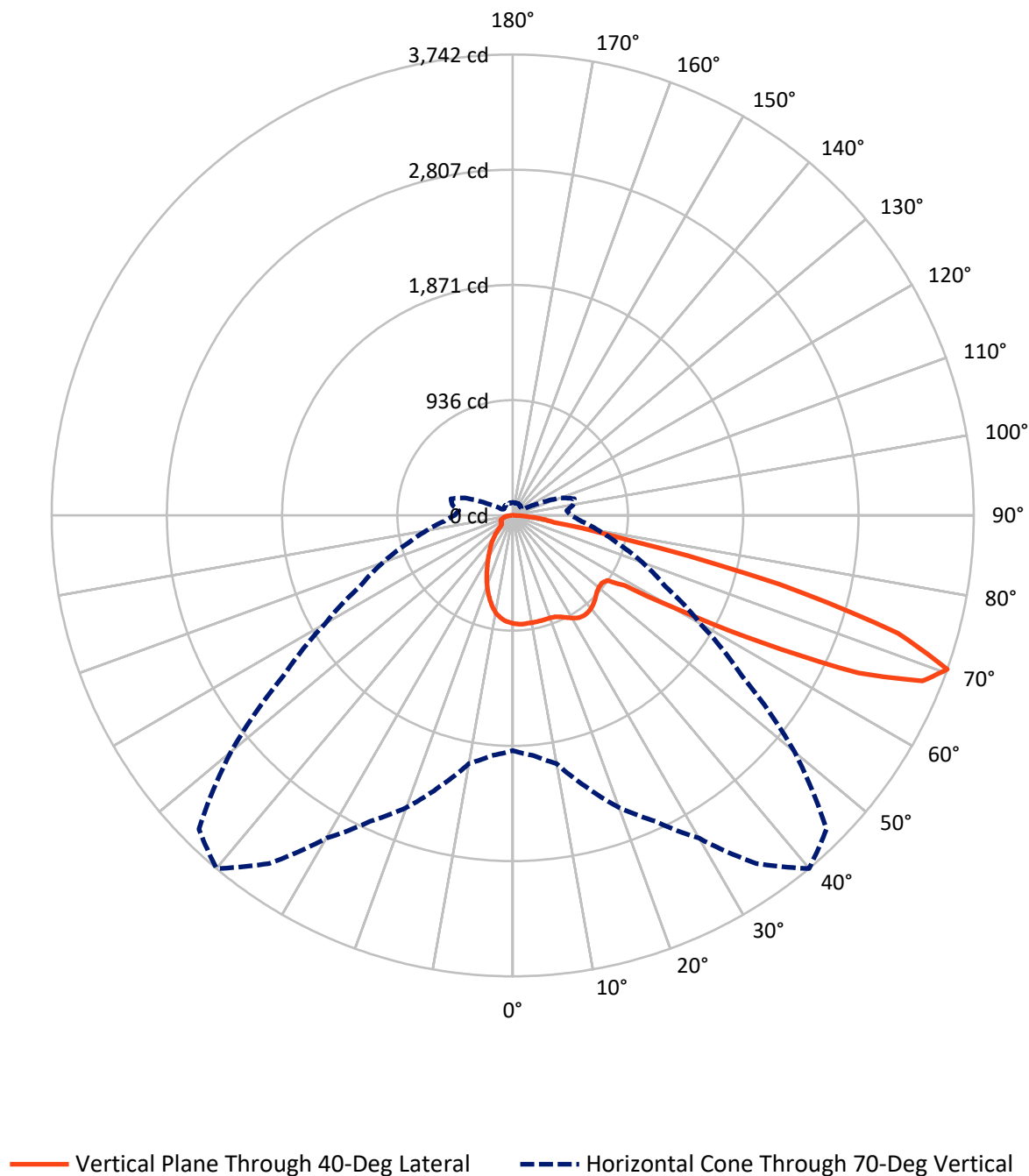


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type IV - Short - Full Cutoff

REPORT NUMBER: P152603

CATALOG NUMBER: AVS-F02-LED-E-U-SL4-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P152603

CATALOG NUMBER: AVS-F02-LED-E-U-SL4-8030

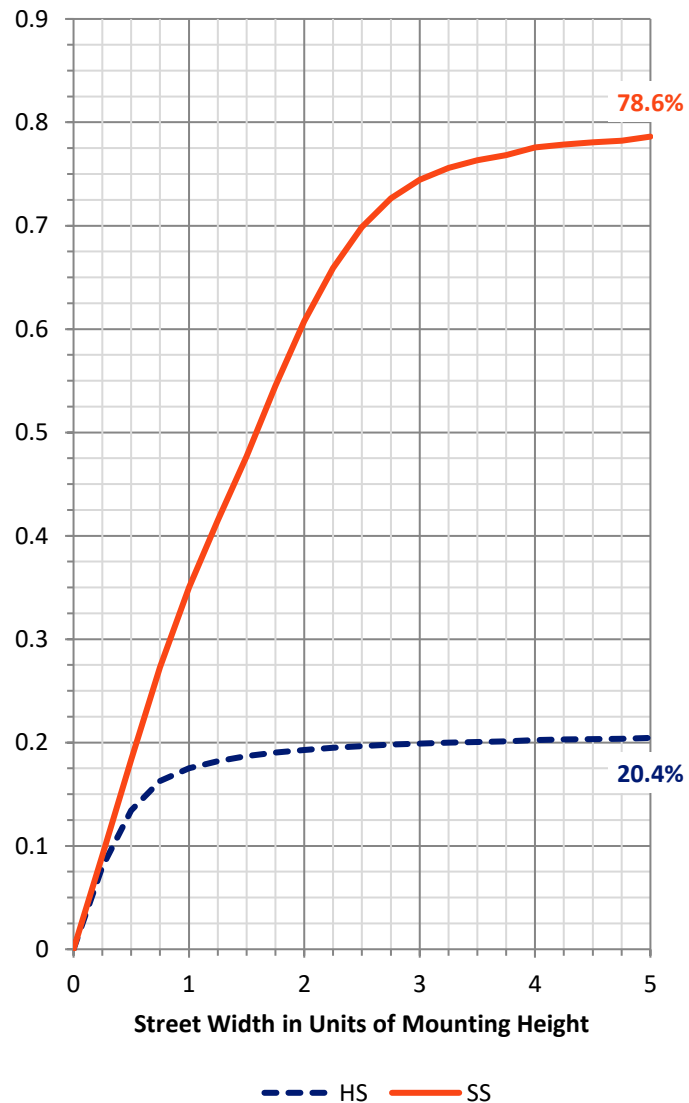
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	854.5	0.0	854.5
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	3261.9	0.0	3261.9
	% Fixture	79.2	0.0	79.2
Total	Lumens	4116.5	0.0	4116.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.1	2.0
10°-20°	224.6	5.5
20°-30°	332.5	8.1
30°-40°	420.2	10.2
40°-50°	475.3	11.5
50°-60°	676.3	16.4
60°-70°	1259.6	30.6
70°-80°	577.3	14.0
80°-90°	68.5	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°	4116.5	100.0
0°-180°	4116.5	100.0

Coefficient of Utilization



REPORT NUMBER: P152603

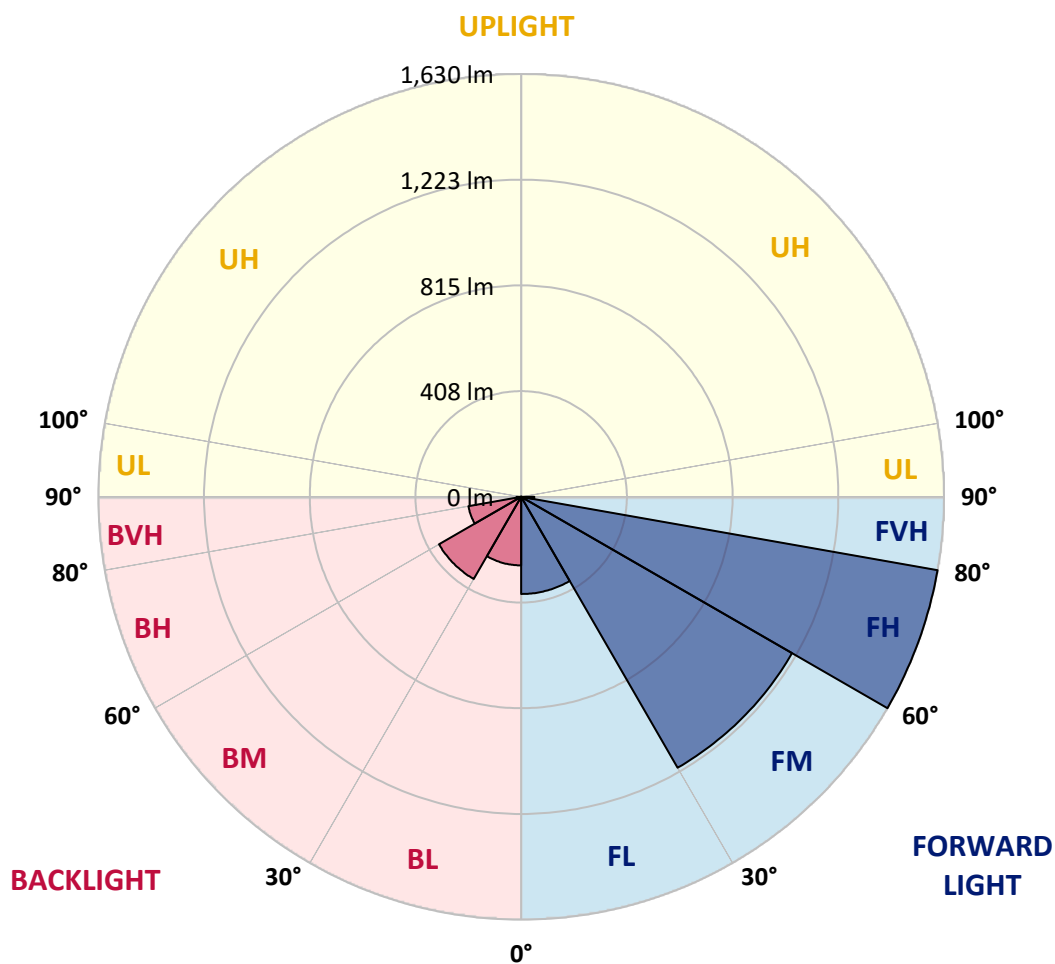
CATALOG NUMBER: AVS-F02-LED-E-U-SL4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	374.8	9.1			
FM	(30°-60°)	1206.0	29.3			
FH	(60°-80°)	1630.3	39.6			G1/1800
FVH	(80°-90°)	50.8	1.2			G1/100
BL	(0°-30°)	264.4	6.4	B1/500		
BM	(30°-60°)	365.9	8.9	B1/1000		
BH	(60°-80°)	206.6	5.0	B1/500		G1/500
BVH	(80°-90°)	17.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





REPORT NUMBER: P152603

CATALOG NUMBER: AVS-F02-LED-E-U-SL4-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3
2.5°	891.8	894.1	891.4	890.9	890.9	890.5	887.7	887.2	883.4	883.9	884.9
5°	898.3	899.3	897.4	896.9	896.0	894.1	891.8	889.0	886.2	883.4	881.1
7.5°	904.9	903.9	902.5	902.5	901.1	898.3	893.7	889.9	883.9	880.7	876.5
10°	914.1	912.7	910.9	909.9	907.6	903.4	896.9	891.8	884.4	877.9	870.9
12.5°	922.9	922.5	919.7	918.3	914.6	910.4	902.5	894.6	884.9	874.6	865.4
15°	938.8	936.9	934.1	931.3	925.3	919.7	907.6	898.3	884.4	870.9	856.5
17.5°	966.1	962.9	960.1	954.1	946.6	936.9	919.3	903.4	884.4	864.9	848.6
20°	1016.3	1009.3	1005.6	997.7	984.8	967.0	939.7	914.1	885.8	860.7	838.9
22.5°	1073.0	1068.3	1063.2	1058.1	1037.7	1012.1	974.9	936.9	894.1	858.9	831.0
25°	1136.6	1130.6	1127.8	1119.0	1099.9	1070.7	1020.0	967.0	913.2	866.3	831.0
27.5°	1193.3	1191.4	1191.0	1180.7	1162.6	1128.3	1068.3	1004.7	939.2	881.6	837.9
30°	1244.9	1243.0	1242.1	1236.5	1215.5	1174.7	1109.6	1038.1	967.6	903.0	851.0
32.5°	1299.7	1293.6	1290.8	1280.1	1256.5	1208.6	1134.3	1060.0	989.8	923.8	865.4
35°	1344.2	1339.2	1333.6	1318.2	1284.8	1228.1	1145.0	1067.4	998.7	935.4	872.7
37.5°	1376.8	1371.6	1363.7	1344.2	1302.9	1234.6	1144.5	1065.1	995.4	933.6	874.2
40°	1391.2	1386.0	1377.7	1353.1	1306.1	1230.9	1135.6	1054.4	985.7	923.8	868.6
42.5°	1385.6	1381.9	1371.2	1347.5	1296.0	1214.2	1118.0	1034.4	967.0	908.1	856.1
45°	1364.2	1361.5	1351.2	1326.1	1272.7	1187.3	1092.0	1009.3	944.8	888.6	839.4
47.5°	1332.1	1331.2	1321.0	1296.4	1243.4	1160.3	1065.1	984.8	922.5	869.5	825.4
50°	1296.9	1292.2	1287.2	1264.4	1216.1	1137.1	1045.6	969.4	909.9	862.6	819.4
52.5°	1274.6	1273.2	1268.5	1248.1	1201.7	1123.6	1036.8	963.8	909.0	861.1	816.1
55°	1472.4	1475.6	1433.0	1344.2	1266.2	1160.7	1063.2	992.1	931.8	883.4	850.5
57.5°	2178.0	2163.6	2090.2	1914.2	1715.3	1453.0	1263.8	1149.1	1074.4	1082.7	1099.5
60°	2537.5	2534.7	2521.2	2453.0	2320.6	2120.8	1899.3	1645.2	1564.4	1573.3	1579.7
62.5°	2698.2	2702.4	2712.6	2687.0	2652.2	2594.2	2483.6	2381.5	2273.3	2232.8	2124.6
65°	2772.5	2780.0	2803.2	2817.6	2831.1	2841.2	2885.0	3004.8	3083.7	2936.1	2592.3
67.5°	2618.8	2654.6	2731.2	2806.0	2872.8	2968.1	3115.8	3394.0	3587.8	3406.1	2907.7
70°	1909.0	1957.8	2045.6	2276.9	2524.0	2740.0	3026.1	3449.7	3742.0	3601.7	2985.7
72.5°	1197.0	1210.5	1249.4	1334.5	1517.9	1795.2	2295.5	2931.0	3268.2	3156.2	2523.6
75°	759.5	764.0	762.7	782.2	813.4	873.7	1071.6	1731.2	2238.9	2064.1	1406.5
77.5°	452.4	459.4	462.2	468.2	483.1	504.5	520.7	589.0	938.8	911.3	510.5
80°	379.1	384.6	380.0	378.5	369.2	362.8	370.7	362.8	336.8	324.2	298.7
82.5°	200.6	200.2	198.8	212.2	239.7	261.0	277.3	273.6	247.6	210.9	178.9
85°	110.1	113.8	113.8	118.4	114.3	114.7	118.4	125.0	115.6	96.6	79.0
87.5°	9.3	14.4	11.6	14.4	19.5	13.9	13.5	13.5	11.6	8.4	7.5
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: P152603

CATALOG NUMBER: AVS-F02-LED-E-U-SL4-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3
2.5°	882.5	881.6	879.8	878.3	878.3	876.1	874.6	873.7	873.3	871.4	871.4
5°	879.8	876.5	873.3	870.9	869.5	867.3	863.5	861.7	859.3	857.4	856.5
7.5°	873.7	867.7	862.6	858.9	854.2	850.5	845.8	841.7	837.5	835.6	834.7
10°	864.5	856.5	848.6	841.7	835.1	828.6	822.6	816.6	811.5	807.8	804.0
12.5°	855.5	843.5	833.3	823.1	812.8	805.0	796.6	787.8	780.3	773.4	771.5
15°	843.5	829.5	816.6	804.0	791.5	778.4	768.3	758.5	746.4	738.5	732.5
17.5°	832.3	815.6	799.9	785.0	769.6	756.2	740.8	727.9	715.8	703.7	694.9
20°	820.3	802.2	785.5	768.7	752.0	734.8	717.2	700.4	685.6	671.2	656.8
22.5°	809.6	791.0	774.8	756.7	738.0	718.5	698.1	677.2	660.0	641.5	624.8
25°	803.1	782.7	765.9	748.3	727.9	706.5	683.3	658.7	637.7	616.4	596.4
27.5°	803.1	776.6	759.5	741.8	720.9	698.1	672.5	645.6	622.0	598.2	573.7
30°	810.1	777.5	754.3	735.8	714.4	689.7	661.5	633.1	607.0	579.2	555.5
32.5°	816.6	779.4	750.6	726.9	702.3	678.1	649.3	619.2	590.4	563.9	538.9
35°	820.7	779.4	743.6	713.5	685.6	661.9	633.6	603.4	574.1	548.1	524.9
37.5°	821.2	775.6	732.5	698.1	668.9	644.2	617.3	589.0	561.1	537.0	517.4
40°	816.6	768.3	721.3	681.9	651.2	626.1	601.6	576.0	550.9	530.9	514.2
42.5°	808.2	760.4	710.7	668.9	636.8	610.8	588.1	566.2	544.4	527.2	513.3
45°	795.6	749.6	700.9	660.9	629.4	602.0	579.7	561.6	543.0	528.6	514.6
47.5°	784.6	746.0	704.1	666.1	633.1	604.8	582.0	566.6	552.2	542.5	523.5
50°	782.2	744.1	705.6	670.3	636.8	608.0	588.1	580.1	576.0	569.9	540.6
52.5°	775.6	743.6	715.8	696.3	674.9	661.5	640.5	648.0	643.3	622.0	569.0
55°	843.9	853.3	879.3	916.5	950.8	958.8	956.4	947.6	900.6	774.8	637.3
57.5°	1160.3	1212.7	1262.0	1283.8	1281.0	1256.5	1238.8	1203.0	1135.2	982.0	772.0
60°	1599.7	1608.1	1582.1	1543.5	1478.4	1424.1	1366.1	1299.2	1200.7	1050.7	854.6
62.5°	2004.2	1891.9	1776.2	1667.6	1568.6	1482.2	1401.3	1308.0	1179.8	1023.3	843.9
65°	2289.9	2052.1	1869.5	1713.5	1573.7	1453.0	1352.1	1230.9	1086.4	945.3	782.2
67.5°	2437.2	2072.5	1792.4	1575.1	1376.8	1209.5	1075.3	957.3	850.1	788.3	684.7
70°	2272.7	1759.1	1368.8	1123.1	885.8	710.2	561.1	471.0	439.9	498.4	518.3
72.5°	1693.6	1145.0	814.3	629.8	482.6	384.6	294.9	231.8	188.6	197.8	256.9
75°	800.8	494.2	349.3	265.7	211.3	175.1	143.1	131.0	109.6	91.1	85.5
77.5°	311.7	227.2	187.7	137.5	97.5	78.5	66.8	64.6	65.9	64.1	63.2
80°	237.3	160.7	100.8	73.9	63.6	56.2	49.7	47.9	48.8	51.1	53.4
82.5°	132.3	82.7	61.3	53.4	47.9	40.8	37.2	34.4	34.8	37.6	42.7
85°	51.1	39.9	36.7	35.3	33.0	26.4	22.8	23.2	26.4	31.6	31.6
87.5°	5.6	5.6	7.5	5.6	5.6	5.6	5.1	6.0	6.5	8.4	9.7
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: P152603

CATALOG NUMBER: AVS-F02-LED-E-U-SL4-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3	878.3
2.5°	870.5	870.5	870.5	869.5	869.9	868.1	868.1	866.7	869.0	867.7	867.3
5°	857.0	856.5	854.6	854.6	854.6	854.6	856.1	852.3	855.1	855.1	853.8
7.5°	834.2	834.2	829.1	831.9	831.0	832.3	834.2	832.3	835.1	837.0	835.6
10°	802.6	802.6	798.4	801.8	800.3	803.5	806.8	805.0	806.8	809.6	810.6
12.5°	767.8	765.9	762.3	763.6	763.6	765.5	766.8	769.2	771.5	775.2	777.1
15°	727.4	724.6	720.0	720.0	717.2	718.1	720.9	721.9	726.4	731.6	737.6
17.5°	686.0	679.1	674.0	668.0	663.3	667.0	670.3	672.5	676.3	684.1	688.4
20°	647.0	633.1	623.3	615.4	610.4	612.6	616.9	619.6	622.9	624.8	626.1
22.5°	608.5	592.6	579.2	569.4	561.1	563.4	561.6	560.2	562.5	556.5	556.0
25°	575.0	556.5	538.3	526.7	516.5	513.3	503.5	501.1	494.7	489.5	485.9
27.5°	550.9	526.7	506.7	493.3	477.0	465.0	452.4	439.9	433.0	424.6	420.4
30°	531.8	506.3	482.6	459.9	438.4	419.9	403.2	386.9	375.8	363.7	355.8
32.5°	514.2	490.5	461.7	430.6	401.8	380.9	359.1	340.5	322.8	307.0	295.4
35°	502.1	475.6	439.0	400.8	368.3	343.7	320.5	294.0	272.6	252.2	239.7
37.5°	495.6	463.1	418.0	375.8	339.6	311.7	282.9	252.2	226.2	207.2	188.1
40°	490.5	450.6	399.5	353.5	315.4	282.0	248.5	212.2	183.5	163.5	148.6
42.5°	485.0	436.6	383.2	335.9	293.6	254.5	214.1	175.5	148.2	134.2	127.8
45°	478.9	424.6	367.9	319.1	272.2	224.8	178.3	142.6	126.3	121.7	121.7
47.5°	477.5	416.7	356.7	302.8	248.1	190.5	145.4	123.1	118.4	119.4	121.2
50°	483.1	414.3	346.9	283.8	216.0	154.2	123.1	115.6	116.6	119.4	122.2
52.5°	496.6	416.2	336.8	257.3	177.9	127.3	113.8	113.4	116.2	120.3	123.1
55°	519.3	416.2	317.2	217.8	142.2	114.3	110.6	112.4	116.2	119.8	122.2
57.5°	568.1	412.0	282.9	174.2	118.9	109.6	109.6	111.9	115.2	118.9	120.7
60°	626.1	406.4	234.6	134.7	107.3	105.9	109.1	111.9	114.7	118.0	119.8
62.5°	629.8	392.0	185.8	111.5	101.2	103.6	108.7	112.4	113.4	115.6	118.0
65°	578.8	341.9	147.7	99.9	98.4	102.2	107.3	110.1	110.6	111.5	113.8
67.5°	506.7	278.7	119.4	94.3	95.6	99.9	102.7	105.0	106.3	108.7	109.1
70°	416.2	223.8	102.2	88.7	90.2	94.7	97.1	99.4	102.2	105.0	103.6
72.5°	294.9	174.2	89.6	82.7	84.6	88.7	91.5	93.4	95.6	98.4	96.6
75°	125.4	121.7	77.6	74.8	77.6	80.3	83.1	85.9	88.3	89.6	89.6
77.5°	64.1	71.5	66.8	66.8	68.7	71.5	73.9	76.7	78.0	79.4	81.2
80°	54.3	55.2	56.2	58.0	59.9	62.7	65.1	67.4	67.8	68.3	69.2
82.5°	45.1	46.9	47.9	50.7	52.0	53.0	54.3	54.3	55.2	55.2	53.9
85°	32.5	34.8	36.3	36.7	36.3	36.7	37.2	38.1	40.4	40.4	38.5
87.5°	9.3	8.8	11.2	11.6	12.5	14.4	16.3	19.5	20.4	21.3	21.3
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: P152603

CATALOG NUMBER: AVS-F02-LED-E-U-SL4-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	878.3	878.3	878.3	878.3
2.5°	866.7	867.7	865.8	866.3
5°	853.8	855.5	853.3	856.1
7.5°	837.0	839.8	839.4	838.9
10°	812.8	816.6	816.6	817.9
12.5°	782.2	784.6	786.4	787.4
15°	740.8	745.1	747.4	747.4
17.5°	691.2	694.0	695.3	693.5
20°	628.0	627.0	627.6	622.9
22.5°	555.0	556.5	552.2	553.2
25°	483.5	481.2	483.1	480.3
27.5°	414.3	414.8	409.6	412.0
30°	348.4	346.0	339.6	342.8
32.5°	284.8	278.7	271.7	267.6
35°	224.8	215.5	212.2	210.9
37.5°	176.5	166.3	163.0	159.3
40°	140.3	136.6	135.1	136.1
42.5°	125.9	125.9	126.8	127.3
45°	122.2	123.5	125.0	125.4
47.5°	122.6	124.0	125.9	126.3
50°	123.5	125.0	126.3	126.8
52.5°	124.0	124.0	125.0	125.4
55°	123.1	122.6	123.1	123.5
57.5°	121.2	120.3	120.7	122.2
60°	120.3	118.9	119.8	120.7
62.5°	118.0	117.5	118.4	118.9
65°	112.8	113.4	114.7	114.7
67.5°	108.2	108.7	109.1	109.6
70°	102.7	103.1	104.0	104.6
72.5°	96.2	98.0	99.4	101.2
75°	91.1	92.8	95.6	97.5
77.5°	82.2	83.6	86.8	89.2
80°	69.6	69.2	69.6	71.1
82.5°	53.4	53.4	53.0	52.5
85°	37.6	37.2	35.8	35.8
87.5°	20.4	20.0	19.5	18.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)