

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: P155823

Luminaire Tested: **AVS-F02-LED-E-U-T3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155823
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
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-T3-8030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4297.4 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

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



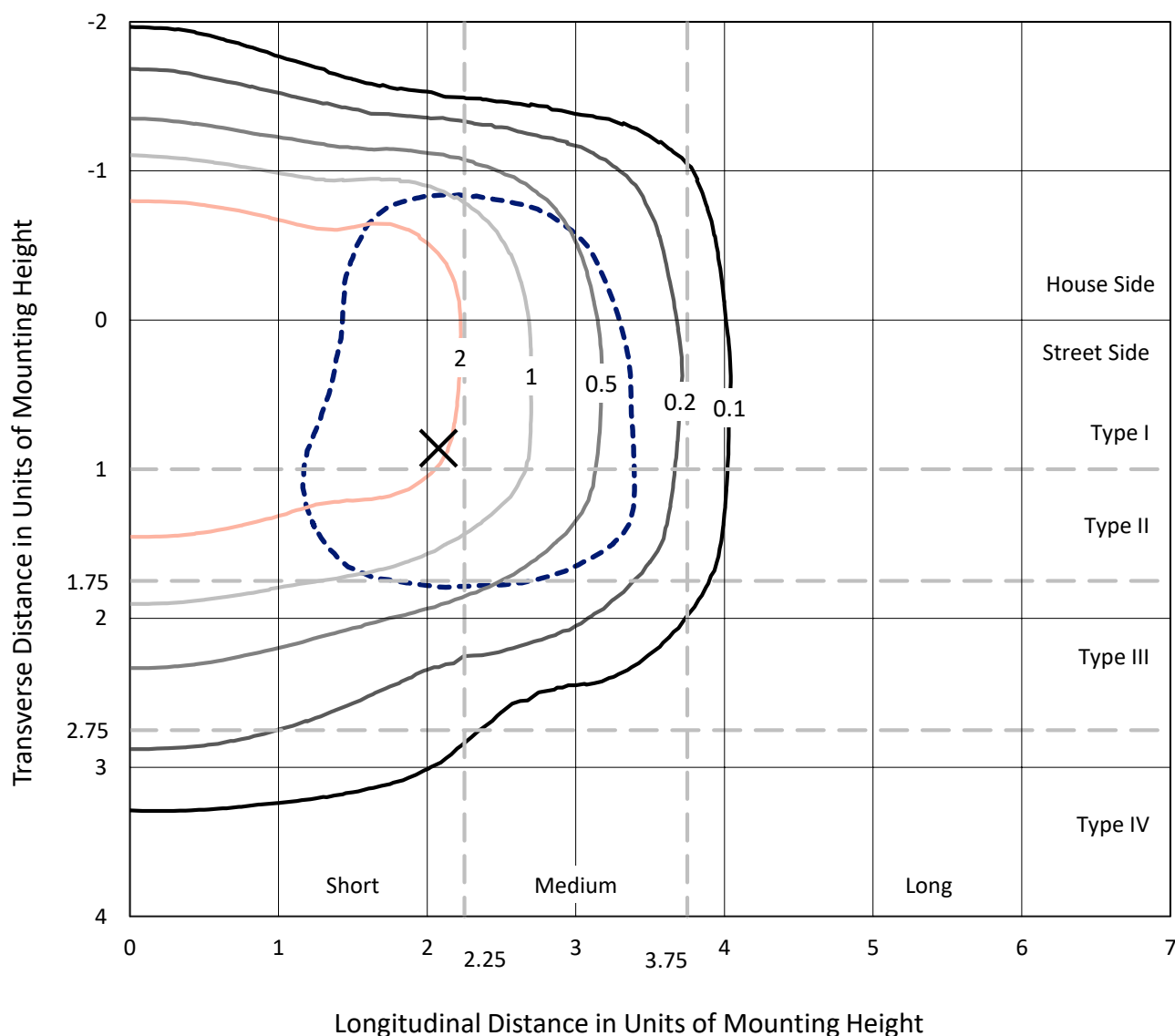
REPORT NUMBER: P155823

CATALOG NUMBER: AVS-F02-LED-E-U-T3-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

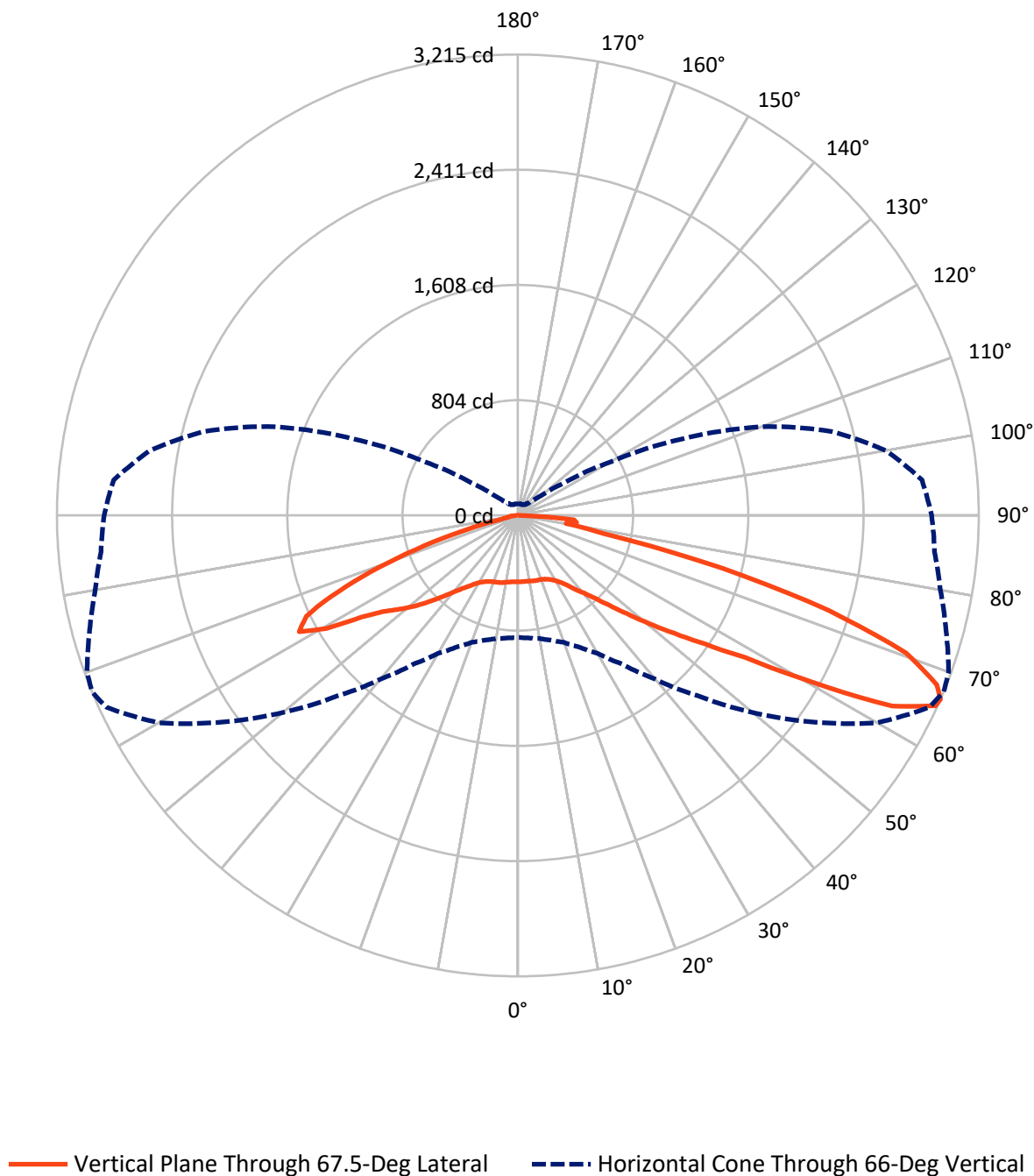


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P155823

CATALOG NUMBER: AVS-F02-LED-E-U-T3-8030

Luminous Intensity Polar Plot



REPORT NUMBER: P155823

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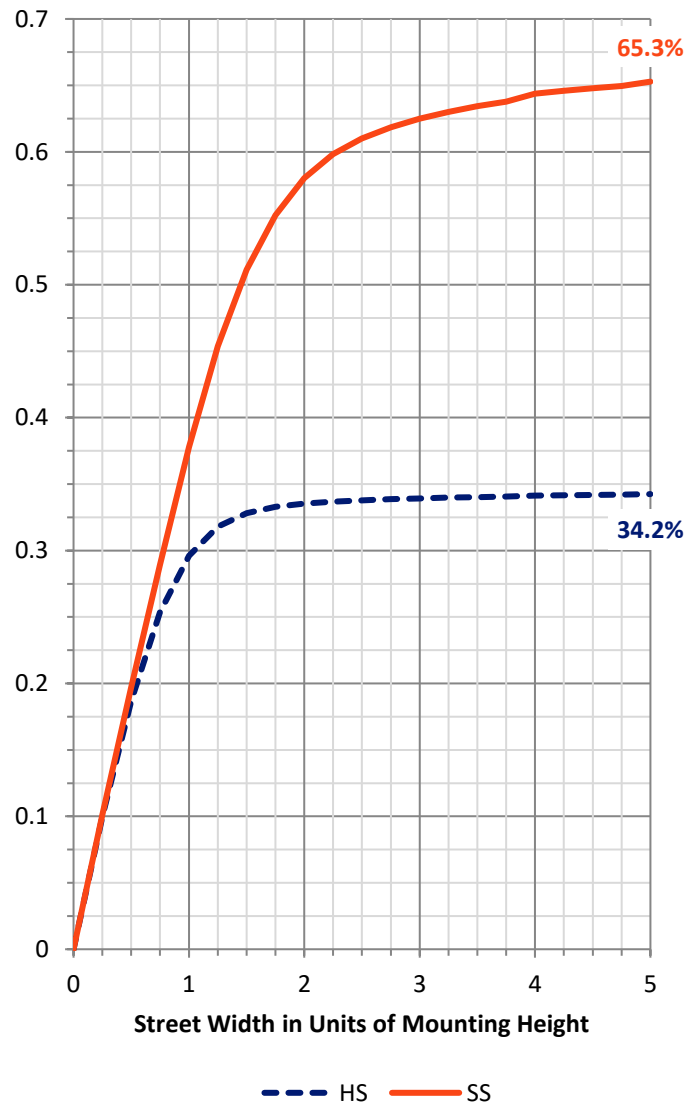
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1484.0	0.0	1484.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	2813.3	0.0	2813.3
	% Fixture	65.5	0.0	65.5
Total	Lumens	4297.4	0.0	4297.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.0
10°-20°	130.9	3.0
20°-30°	225.0	5.2
30°-40°	365.3	8.5
40°-50°	609.9	14.2
50°-60°	960.3	22.3
60°-70°	1309.5	30.5
70°-80°	566.9	13.2
80°-90°	85.2	2.0
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°	4297.4	100.0
0°-180°	4297.4	100.0

Coefficient of Utilization



REPORT NUMBER: P155823

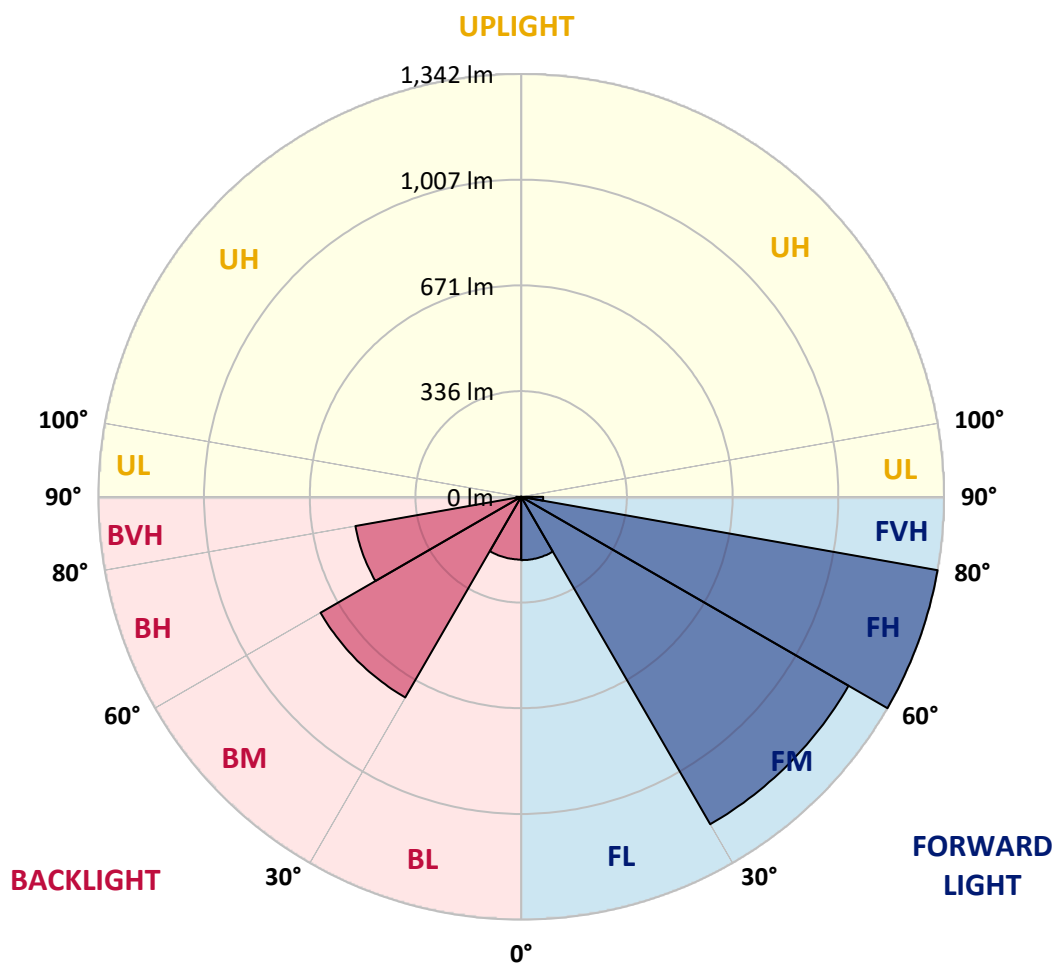
CATALOG NUMBER: AVS-F02-LED-E-U-T3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.0	4.7			
FM	(30°-60°)	1200.1	27.9			
FH	(60°-80°)	1342.2	31.2			G1/1800
FVH	(80°-90°)	70.0	1.6			G1/100
BL	(0°-30°)	199.2	4.6	B1/500		
BM	(30°-60°)	735.4	17.1	B1/1000		
BH	(60°-80°)	534.2	12.4	B2/1000		G2/1000
BVH	(80°-90°)	15.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P155823

CATALOG NUMBER: AVS-F02-LED-E-U-T3-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1
2.5°	465.0	466.8	465.0	465.4	465.9	465.4	465.0	465.0	463.5	464.5	465.4
5°	463.1	464.5	464.0	464.5	465.0	464.5	464.0	464.5	463.5	464.0	465.4
7.5°	460.7	460.3	460.7	461.7	462.6	462.6	462.6	463.1	462.6	462.6	464.0
10°	453.8	454.3	455.2	456.6	457.1	458.4	458.4	459.9	460.3	461.2	463.1
12.5°	445.0	445.5	446.4	447.3	449.6	451.9	451.9	455.2	456.6	459.0	462.2
15°	438.4	439.0	439.9	440.8	442.7	445.0	446.4	450.1	452.4	456.6	461.2
17.5°	442.2	441.8	442.7	443.1	443.1	445.0	445.0	447.8	450.6	454.3	460.3
20°	452.8	452.8	453.8	453.8	453.4	454.3	452.4	452.4	452.8	454.7	459.0
22.5°	463.5	463.1	465.0	465.9	466.3	467.8	465.9	465.4	463.1	461.7	463.1
25°	473.8	473.3	475.6	477.0	479.4	480.7	480.7	480.7	478.9	476.6	475.1
27.5°	489.5	489.5	491.9	493.3	495.1	497.9	499.4	499.4	499.8	496.6	494.2
30°	516.1	516.5	517.0	518.9	520.7	521.7	523.5	524.9	526.2	524.5	520.7
32.5°	547.7	544.9	544.9	547.7	549.9	552.7	553.7	555.5	558.3	556.9	556.5
35°	585.3	584.4	583.4	584.4	587.2	590.4	594.1	597.3	595.4	598.2	596.9
37.5°	641.0	642.0	642.4	642.4	642.0	642.9	644.7	648.0	647.0	648.0	649.8
40°	733.0	729.7	726.4	726.9	722.3	723.2	715.8	719.1	719.5	716.3	717.6
42.5°	825.0	826.8	828.2	831.9	828.6	826.8	819.8	819.8	816.1	812.8	811.9
45°	924.4	928.1	928.5	936.0	933.2	939.2	944.4	942.9	936.9	936.4	929.9
47.5°	1003.7	1009.8	1016.3	1025.2	1032.1	1045.6	1061.3	1069.2	1073.9	1077.6	1070.2
50°	1063.2	1066.0	1082.7	1096.7	1112.0	1134.3	1156.2	1184.5	1207.3	1217.9	1228.1
52.5°	1095.2	1102.3	1120.3	1142.2	1169.1	1202.6	1237.8	1282.9	1322.0	1348.0	1371.2
55°	1102.3	1109.2	1129.6	1157.5	1194.2	1239.3	1289.8	1351.2	1409.7	1459.9	1508.7
57.5°	1082.7	1090.7	1112.4	1144.5	1187.7	1242.5	1306.1	1386.5	1467.4	1548.6	1620.6
60°	1046.9	1056.7	1076.7	1108.3	1156.2	1217.9	1294.1	1394.8	1508.2	1632.6	1770.7
62.5°	988.0	998.2	1016.8	1051.6	1100.8	1169.1	1257.4	1382.8	1543.0	1739.1	1983.8
65°	893.3	897.8	920.6	956.0	999.6	1074.8	1171.9	1323.3	1531.9	1804.6	2141.8
66°	850.5	858.3	872.3	900.6	942.5	1013.1	1110.6	1264.4	1489.6	1781.8	2137.6
67.5°	783.6	789.6	799.0	817.9	843.5	895.5	988.0	1133.4	1360.5	1666.6	2048.9
70°	633.6	636.4	648.9	655.4	664.2	681.5	714.8	798.4	975.4	1262.9	1653.6
72.5°	432.0	439.9	453.4	471.9	496.1	519.3	535.1	545.8	583.8	753.4	1101.8
75°	316.8	325.2	342.3	366.9	409.2	457.5	507.7	530.9	515.1	493.3	613.6
77.5°	183.9	195.1	209.5	233.2	272.2	336.3	422.2	498.4	549.9	553.2	525.4
80°	77.6	79.0	87.8	99.9	124.0	169.1	236.0	345.6	459.9	537.0	555.0
82.5°	17.6	21.9	27.9	33.0	40.4	55.8	82.7	137.5	248.5	389.7	508.2
85°	6.5	6.5	8.8	13.1	14.8	16.7	21.9	34.8	59.5	109.6	228.5
87.5°	0.0	0.4	0.9	0.9	1.9	2.3	3.7	5.1	4.7	4.1	13.9
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: P155823

CATALOG NUMBER: AVS-F02-LED-E-U-T3-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1
2.5°	464.5	464.0	463.1	463.1	463.1	463.1	462.2	462.6	461.7	462.2	462.2
5°	464.0	464.0	463.5	462.6	463.1	463.1	463.5	462.6	462.6	463.1	462.6
7.5°	464.0	463.5	463.5	463.5	464.0	463.5	464.0	464.0	464.0	464.5	464.5
10°	464.0	464.0	465.0	465.4	465.4	465.9	467.3	467.3	467.8	468.2	469.1
12.5°	464.5	466.3	467.8	469.1	469.6	470.6	472.8	472.8	473.8	475.1	475.6
15°	465.0	467.8	470.6	471.5	472.4	474.2	476.6	477.5	478.9	480.3	481.2
17.5°	464.5	468.2	471.5	472.8	474.2	476.6	479.4	480.3	482.2	484.0	485.9
20°	464.0	469.1	474.2	476.1	477.9	481.2	485.0	487.3	489.1	491.9	493.8
22.5°	466.8	472.8	479.8	482.6	485.9	490.1	495.1	497.9	500.2	503.0	504.5
25°	475.6	480.3	488.6	493.3	497.5	504.5	511.4	514.6	517.4	519.8	520.2
27.5°	490.5	491.9	502.1	508.2	514.2	525.4	533.7	536.1	541.1	543.0	542.5
30°	514.6	512.3	520.7	529.9	538.9	554.1	564.4	570.4	575.0	575.0	571.3
32.5°	549.5	545.8	548.1	558.8	569.0	591.3	603.4	611.3	614.5	613.6	605.7
35°	595.0	592.6	591.3	599.7	616.0	642.0	657.7	661.9	667.0	666.1	655.9
37.5°	648.9	647.0	647.0	656.8	672.5	711.1	728.3	731.1	730.7	723.2	704.1
40°	712.5	711.6	707.5	713.0	726.4	776.6	799.9	803.5	798.4	786.4	764.0
42.5°	804.0	798.4	785.5	788.7	799.0	847.7	877.9	888.1	883.0	870.9	834.7
45°	923.4	917.4	895.5	892.7	898.3	941.0	980.1	982.4	981.5	966.1	923.4
47.5°	1063.7	1054.4	1031.2	1023.7	1021.9	1061.3	1099.0	1102.7	1100.4	1077.6	1020.5
50°	1215.5	1202.1	1186.7	1181.7	1174.2	1202.6	1240.6	1241.1	1231.8	1200.2	1146.8
52.5°	1377.7	1373.1	1370.3	1365.2	1361.9	1386.5	1409.7	1395.8	1381.9	1348.9	1302.4
55°	1541.1	1560.2	1579.7	1581.6	1587.2	1613.7	1613.2	1575.1	1564.9	1546.7	1500.7
57.5°	1714.9	1785.5	1846.8	1865.9	1884.5	1933.7	1929.0	1891.4	1878.4	1856.1	1818.0
60°	1951.3	2141.8	2318.8	2361.0	2390.3	2449.2	2443.7	2385.6	2412.5	2410.7	2361.5
62.5°	2282.5	2599.3	2864.6	2929.5	2949.9	2956.5	2921.1	2858.4	2885.0	2914.7	2763.2
65°	2506.8	2879.4	3151.6	3201.8	3204.6	3126.9	3048.5	2974.6	2968.1	2942.6	2726.1
66°	2511.9	2893.3	3166.4	3215.2	3198.0	3092.1	2992.7	2918.3	2886.3	2830.2	2605.8
67.5°	2421.9	2806.4	3100.5	3152.0	3114.4	2964.4	2827.4	2731.7	2668.9	2577.9	2380.0
70°	2034.0	2415.3	2777.6	2873.8	2885.9	2662.0	2472.0	2359.6	2275.0	2150.2	1979.7
72.5°	1512.3	1857.0	2176.6	2268.6	2315.4	2136.7	1976.4	1891.0	1775.2	1643.8	1522.6
75°	948.0	1191.4	1405.6	1470.2	1426.0	1287.6	1191.4	1155.6	1041.9	963.3	908.1
77.5°	542.1	618.2	635.4	610.8	558.8	427.8	304.2	225.3	195.5	216.5	238.8
80°	529.0	485.0	386.4	340.0	308.0	211.8	124.5	85.5	71.1	73.0	79.0
82.5°	573.2	615.0	506.3	413.0	346.5	234.1	129.1	68.7	46.4	54.8	61.8
85°	372.5	518.3	466.8	393.5	318.7	200.2	106.3	35.8	23.7	31.1	42.7
87.5°	37.6	41.3	35.3	47.9	35.8	16.7	8.4	5.1	4.7	5.6	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: P155823

CATALOG NUMBER: AVS-F02-LED-E-U-T3-8030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1	463.1
2.5°	462.6	462.6	463.1	463.5	464.0	464.5	464.5	464.5	464.5	465.4	465.0
5°	463.5	464.5	465.4	465.9	466.8	466.8	468.2	467.8	467.8	469.1	469.6
7.5°	465.4	466.8	468.7	468.2	470.1	469.6	470.6	470.6	469.1	469.6	468.7
10°	469.6	471.5	472.4	471.0	471.5	469.6	469.1	466.8	464.0	462.6	460.7
12.5°	476.6	478.4	478.4	476.1	473.3	469.1	465.9	460.7	456.6	454.3	451.9
15°	482.6	484.5	484.0	480.3	476.1	469.6	465.0	459.0	452.8	449.1	446.8
17.5°	487.3	488.2	486.7	481.7	477.0	471.0	466.3	459.9	452.8	448.2	444.0
20°	494.2	493.3	490.1	483.5	478.4	472.8	469.1	463.5	455.6	449.6	443.6
22.5°	504.5	500.7	494.7	487.7	482.6	477.5	473.8	467.8	459.9	452.4	445.5
25°	517.9	510.5	502.1	494.7	490.1	484.5	480.3	473.8	465.4	457.1	448.7
27.5°	537.4	524.5	513.7	507.3	502.1	495.1	490.1	481.7	472.8	463.1	453.8
30°	559.3	541.6	531.4	526.2	520.7	513.3	505.4	494.7	484.5	473.8	462.6
32.5°	587.6	566.2	556.5	551.4	543.9	534.6	525.4	513.3	498.9	485.0	471.5
35°	624.8	602.9	592.6	584.8	574.6	562.5	549.0	532.7	513.3	494.7	477.5
37.5°	664.7	641.0	631.2	622.9	607.6	591.7	572.7	549.0	522.6	497.9	476.6
40°	715.3	693.5	680.9	666.5	648.4	621.0	591.3	556.9	523.0	492.8	467.8
42.5°	779.4	757.6	739.0	716.3	684.7	642.4	600.1	555.5	514.6	480.3	453.4
45°	864.5	837.9	805.9	765.9	714.8	655.9	600.6	546.7	498.9	460.7	432.0
47.5°	968.5	928.1	875.5	808.2	734.8	659.6	593.2	529.0	474.2	433.0	400.8
50°	1092.0	1028.4	942.0	843.0	745.1	654.0	574.6	502.6	439.4	395.2	357.2
52.5°	1233.3	1129.2	1001.9	868.1	744.6	635.4	543.0	462.6	393.9	344.7	308.4
55°	1399.1	1244.4	1063.7	886.7	731.6	601.0	494.7	406.4	337.7	292.1	258.8
57.5°	1642.0	1431.1	1171.4	915.5	705.6	548.1	429.2	339.1	278.7	235.5	207.2
60°	2086.0	1742.8	1365.6	973.6	665.6	470.6	352.5	267.0	216.5	181.7	162.6
62.5°	2420.4	1983.8	1470.6	960.5	585.3	374.8	261.6	194.6	159.3	135.6	123.5
65°	2372.6	1909.0	1358.7	827.3	459.0	264.2	173.7	132.3	109.6	98.4	91.5
66°	2264.4	1811.5	1261.6	744.6	396.7	219.7	143.1	111.0	94.3	86.4	81.8
67.5°	2059.1	1630.4	1087.9	610.4	304.7	159.3	107.8	87.8	76.7	73.4	70.2
70°	1711.6	1300.1	763.6	355.3	155.6	88.7	68.3	61.3	58.5	58.0	57.1
72.5°	1311.7	920.1	449.6	168.2	80.8	59.0	53.0	50.7	49.7	49.7	50.2
75°	804.0	517.0	198.8	82.2	56.7	49.7	46.9	46.0	45.5	46.0	45.5
77.5°	268.5	164.5	85.0	62.3	51.6	46.0	44.1	43.2	43.2	43.2	43.2
80°	82.2	71.5	65.1	57.6	48.8	43.6	40.8	40.4	40.8	41.3	39.9
82.5°	61.8	58.5	54.8	51.1	44.1	39.1	38.1	38.1	38.1	36.7	34.8
85°	45.5	45.1	37.2	34.8	32.5	32.5	32.5	32.5	31.1	28.8	26.9
87.5°	8.4	7.9	8.4	8.8	13.1	13.9	13.9	14.8	16.3	15.3	15.3
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: P155823

CATALOG NUMBER: AVS-F02-LED-E-U-T3-8030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	463.1	463.1	463.1	463.1	463.1
2.5°	465.0	464.5	465.9	465.0	465.4
5°	469.1	468.7	469.6	468.7	470.1
7.5°	467.8	466.8	466.3	466.8	467.3
10°	458.0	457.1	456.6	456.2	456.6
12.5°	449.6	447.8	447.8	446.8	447.3
15°	443.6	442.2	441.8	440.8	441.2
17.5°	440.8	438.4	437.5	436.6	436.6
20°	439.0	436.2	434.7	433.8	433.4
22.5°	439.0	434.7	433.0	432.0	431.5
25°	440.8	435.6	433.0	431.5	431.1
27.5°	444.6	438.0	434.7	433.0	433.0
30°	451.0	442.7	438.0	435.6	435.2
32.5°	457.5	446.4	439.9	437.1	436.2
35°	460.7	446.4	438.4	433.8	433.0
37.5°	457.1	440.3	430.6	423.6	422.2
40°	445.5	427.8	417.1	410.6	409.6
42.5°	430.2	413.0	400.4	395.8	394.3
45°	409.2	388.8	376.3	369.7	370.2
47.5°	373.5	352.5	341.5	335.3	336.3
50°	331.2	310.8	301.0	294.5	295.9
52.5°	284.8	266.1	256.9	253.6	252.6
55°	236.0	221.6	215.0	211.3	209.9
57.5°	191.4	181.1	176.5	171.8	172.3
60°	151.0	145.8	144.5	139.4	138.9
62.5°	118.9	115.6	114.3	110.6	111.0
65°	90.2	89.2	90.2	87.8	88.7
66°	81.2	81.8	81.8	80.3	81.2
67.5°	70.2	71.1	72.4	71.1	72.0
70°	58.0	59.0	59.9	59.9	59.9
72.5°	50.7	51.6	52.0	52.0	52.0
75°	46.4	46.9	47.4	46.4	46.4
77.5°	43.6	43.6	42.7	42.3	41.8
80°	39.5	39.1	37.6	36.7	36.7
82.5°	33.0	32.0	31.1	29.7	29.7
85°	25.1	24.1	23.2	21.3	20.4
87.5°	13.1	13.5	13.1	10.7	9.3
90°	0.0	0.0	0.0	0.0	0.0

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