

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: P155824

Luminaire Tested: **AVS-F02-LED-E-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155824
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-T3-7030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4650.5 lumens
Efficiency: N/A
Efficacy: 84.6 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

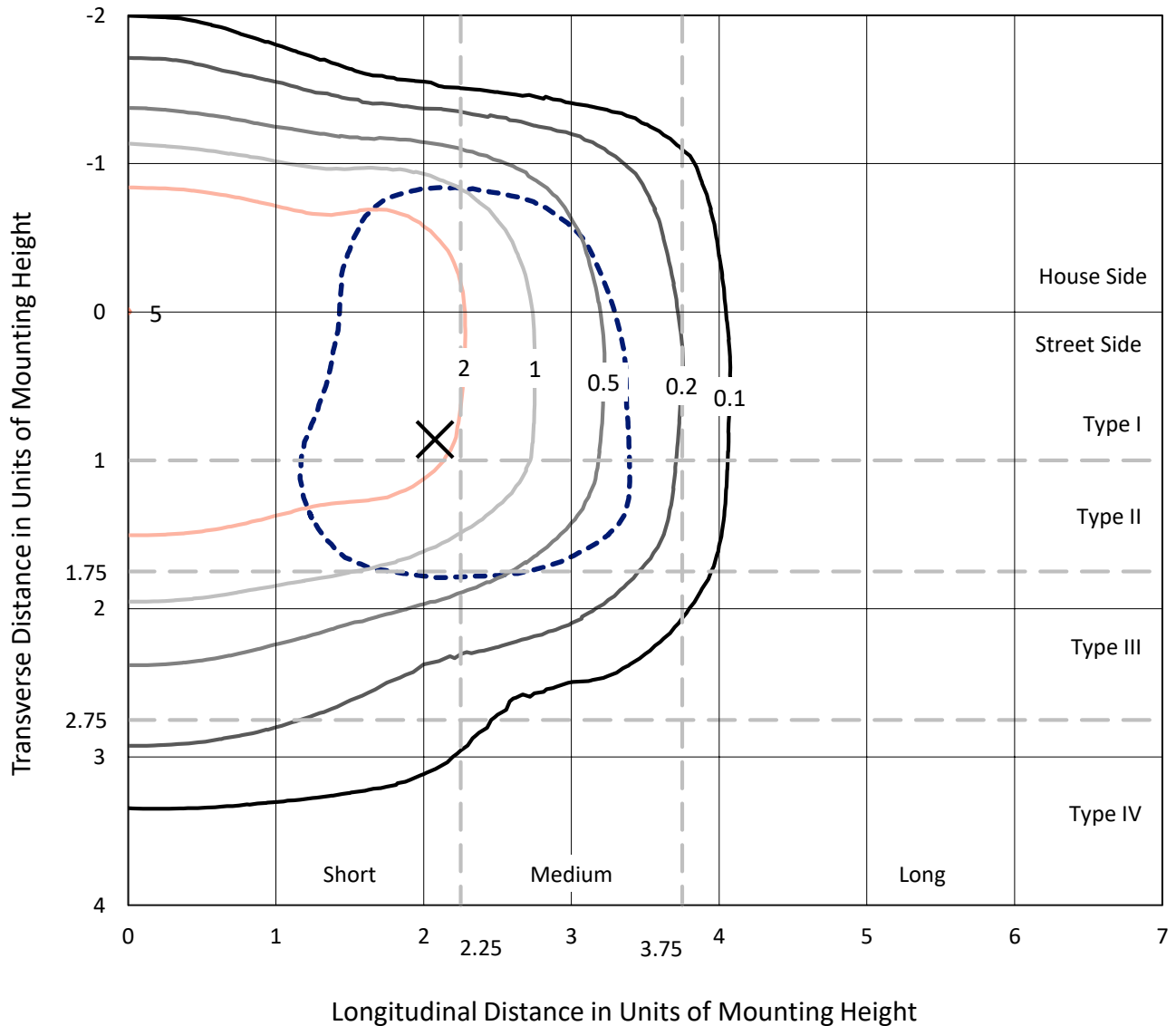


REPORT NUMBER: P155824

CATALOG NUMBER: AVS-F02-LED-E-U-T3-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

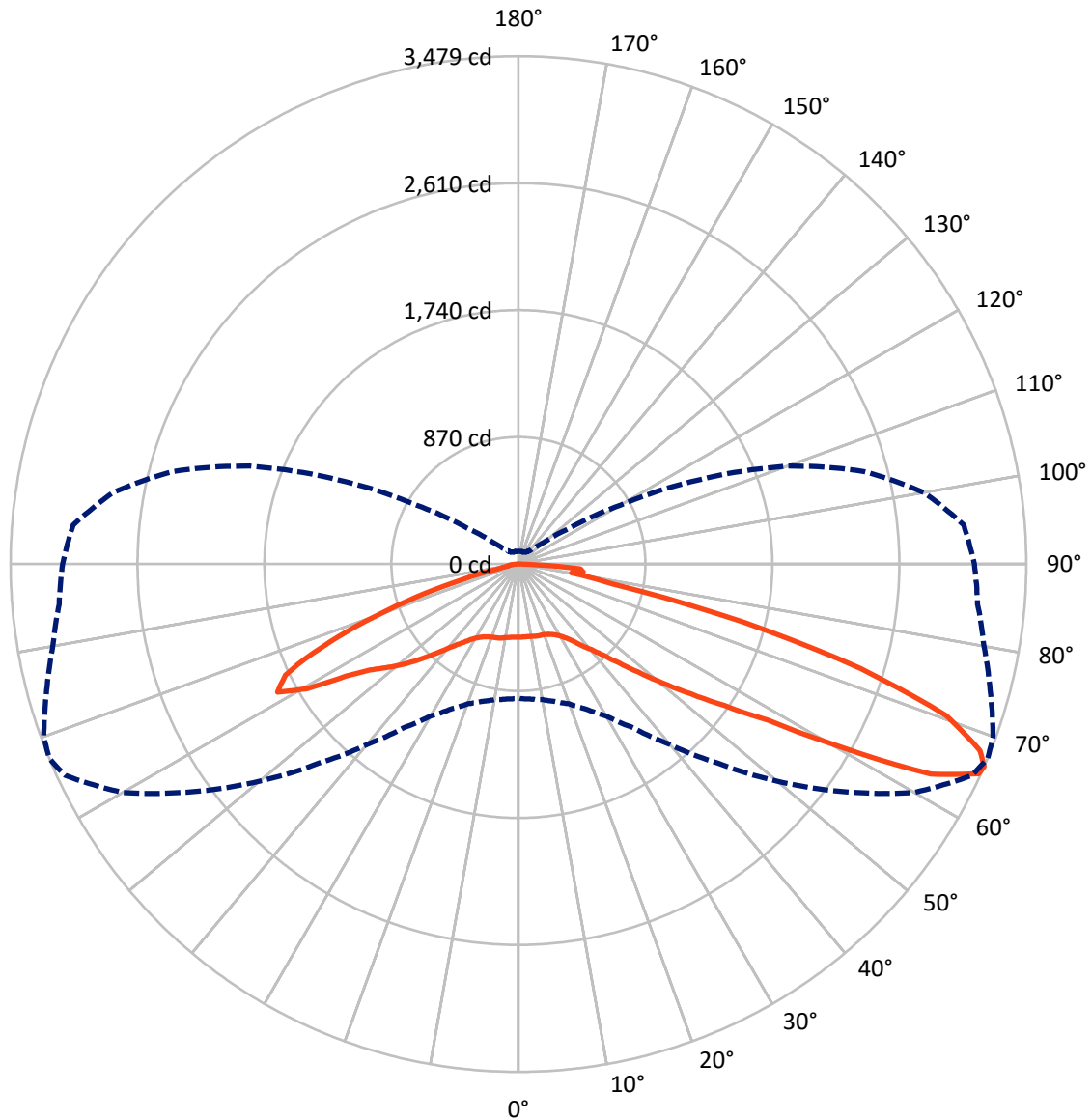


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P155824

CATALOG NUMBER: AVS-F02-LED-E-U-T3-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



REPORT NUMBER: P155824

CATALOG NUMBER: AVS-F02-LED-E-U-T3-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1606.0	0.0	1606.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	3044.5	0.0	3044.5
	% Fixture	65.5	0.0	65.5
Total	Lumens	4650.5	0.0	4650.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	1.0
10°-20°	141.7	3.0
20°-30°	243.5	5.2
30°-40°	395.3	8.5
40°-50°	660.0	14.2
50°-60°	1039.2	22.3
60°-70°	1417.1	30.5
70°-80°	613.5	13.2
80°-90°	92.2	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°	4650.5	100.0
0°-180°	4650.5	100.0



REPORT NUMBER: P155824

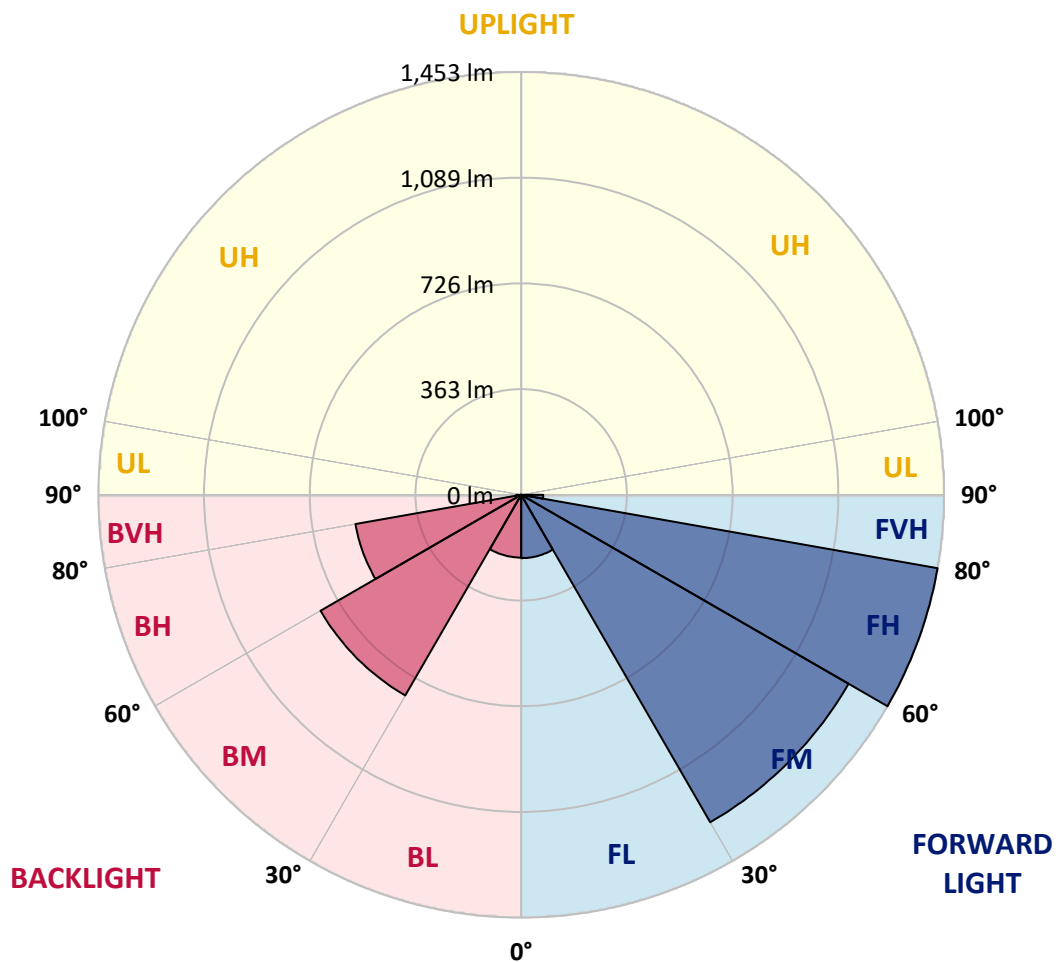
CATALOG NUMBER: AVS-F02-LED-E-U-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	217.6	4.7			
FM	(30°-60°)	1298.7	27.9			
FH	(60°-80°)	1452.5	31.2			G1/1800
FVH	(80°-90°)	75.7	1.6			G1/100
BL	(0°-30°)	215.6	4.6	B1/500		
BM	(30°-60°)	795.8	17.1	B1/1000		
BH	(60°-80°)	578.1	12.4	B2/1000		G2/1000
BVH	(80°-90°)	16.5	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: P155824

CATALOG NUMBER: AVS-F02-LED-E-U-T3-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1
2.5°	503.2	505.2	503.2	503.6	504.1	503.6	503.2	503.2	501.7	502.7	503.6
5°	501.1	502.7	502.2	502.7	503.2	502.7	502.2	502.7	501.7	502.2	503.6
7.5°	498.7	498.1	498.7	499.7	500.6	500.6	500.6	501.1	500.6	500.6	502.2
10°	491.1	491.6	492.6	494.1	494.6	496.2	496.2	497.6	498.1	499.2	501.1
12.5°	481.6	482.1	483.1	484.0	486.5	489.1	489.1	492.6	494.1	496.6	500.1
15°	474.5	475.0	476.1	477.0	479.1	481.6	483.1	487.0	489.6	494.1	499.2
17.5°	478.5	478.0	479.1	479.6	479.6	481.6	481.6	484.6	487.6	491.6	498.1
20°	490.1	490.1	491.1	491.1	490.6	491.6	489.6	489.6	490.1	492.1	496.6
22.5°	501.7	501.1	503.2	504.1	504.7	506.2	504.1	503.6	501.1	499.7	501.1
25°	512.7	512.2	514.7	516.3	518.8	520.2	520.2	520.2	518.2	515.8	514.2
27.5°	529.8	529.8	532.3	533.8	535.9	538.9	540.3	540.3	540.8	537.3	534.8
30°	558.4	559.0	559.5	561.5	563.5	564.5	566.5	568.0	569.5	567.5	563.5
32.5°	592.6	589.6	589.6	592.6	595.1	598.1	599.2	601.1	604.2	602.7	602.2
35°	633.4	632.3	631.3	632.3	635.3	638.9	642.9	646.4	644.5	647.5	645.9
37.5°	693.7	694.7	695.2	695.2	694.7	695.6	697.7	701.2	700.2	701.2	703.2
40°	793.2	789.6	786.1	786.6	781.7	782.7	774.6	778.1	778.7	775.1	776.6
42.5°	892.7	894.7	896.3	900.3	896.8	894.7	887.2	887.2	883.2	879.7	878.7
45°	1000.3	1004.4	1004.9	1012.8	1009.8	1016.4	1021.9	1020.4	1013.9	1013.4	1006.3
47.5°	1086.2	1092.7	1099.8	1109.3	1116.9	1131.5	1148.6	1157.1	1162.2	1166.2	1158.1
50°	1150.6	1153.6	1171.7	1186.7	1203.4	1227.5	1251.1	1281.8	1306.4	1318.0	1329.0
52.5°	1185.3	1192.8	1212.4	1236.1	1265.2	1301.3	1339.6	1388.4	1430.6	1458.8	1483.8
55°	1192.8	1200.3	1222.5	1252.6	1292.3	1341.1	1395.9	1462.3	1525.6	1579.9	1632.6
57.5°	1171.7	1180.2	1203.8	1238.5	1285.3	1344.7	1413.5	1500.4	1587.9	1675.9	1753.8
60°	1133.0	1143.5	1165.2	1199.4	1251.1	1318.0	1400.4	1509.5	1632.1	1766.8	1916.2
62.5°	1069.1	1080.2	1100.3	1138.0	1191.3	1265.2	1360.7	1496.5	1669.8	1882.0	2146.8
65°	966.6	971.6	996.3	1034.5	1081.8	1163.1	1268.2	1432.1	1657.8	1952.8	2317.8
66°	920.4	928.9	944.0	974.6	1019.9	1096.3	1201.9	1368.3	1612.0	1928.2	2313.3
67.5°	848.0	854.5	864.6	885.2	912.8	969.1	1069.1	1226.5	1472.3	1803.5	2217.2
70°	685.6	688.6	702.2	709.2	718.8	737.4	773.6	864.0	1055.5	1366.7	1789.4
72.5°	467.5	476.1	490.6	510.7	536.9	562.0	579.1	590.7	631.8	815.3	1192.3
75°	342.8	351.8	370.5	397.1	442.8	495.1	549.4	574.5	557.4	533.8	664.0
77.5°	199.1	211.1	226.7	252.3	294.6	363.9	456.9	539.4	595.1	598.7	568.5
80°	83.9	85.5	95.0	108.1	134.2	183.0	255.3	374.0	497.6	581.0	600.7
82.5°	19.1	23.6	30.2	35.6	43.7	60.3	89.4	148.8	268.9	421.8	549.9
85°	7.0	7.0	9.5	14.1	16.1	18.1	23.6	37.7	64.4	118.7	247.4
87.5°	0.0	0.5	1.0	1.0	2.0	2.5	4.0	5.5	5.1	4.6	15.1
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: P155824

CATALOG NUMBER: AVS-F02-LED-E-U-T3-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1
2.5°	502.7	502.2	501.1	501.1	501.1	501.1	500.1	500.6	499.7	500.1	500.1
5°	502.2	502.2	501.7	500.6	501.1	501.1	501.7	500.6	500.6	501.1	500.6
7.5°	502.2	501.7	501.7	501.7	502.2	501.7	502.2	502.2	502.2	502.7	502.7
10°	502.2	502.2	503.2	503.6	503.6	504.1	505.7	505.7	506.2	506.6	507.7
12.5°	502.7	504.7	506.2	507.7	508.2	509.2	511.7	511.7	512.7	514.2	514.7
15°	503.2	506.2	509.2	510.2	511.2	513.3	515.8	516.8	518.2	519.8	520.7
17.5°	502.7	506.6	510.2	511.7	513.3	515.8	518.8	519.8	521.8	523.7	525.8
20°	502.2	507.7	513.3	515.2	517.2	520.7	524.8	527.3	529.3	532.3	534.3
22.5°	505.2	511.7	519.3	522.3	525.8	530.3	535.9	538.9	541.3	544.4	545.9
25°	514.7	519.8	528.8	533.8	538.3	545.9	553.5	557.0	560.0	562.5	563.0
27.5°	530.8	532.3	543.4	549.9	556.5	568.5	577.5	580.1	585.6	587.6	587.2
30°	557.0	554.4	563.5	573.6	583.1	599.7	610.8	617.3	622.3	622.3	618.2
32.5°	594.6	590.7	593.2	604.7	615.8	639.9	653.0	661.6	665.0	664.0	655.4
35°	643.9	641.3	639.9	648.9	666.5	694.7	711.8	716.3	721.9	720.8	709.7
37.5°	702.2	700.2	700.2	710.8	727.9	769.5	788.2	791.2	790.7	782.7	762.1
40°	771.1	770.1	765.6	771.6	786.1	840.4	865.6	869.6	864.0	851.0	826.8
42.5°	870.2	864.0	850.1	853.5	864.6	917.4	950.1	961.1	955.5	942.5	903.3
45°	999.3	992.7	969.1	966.1	972.1	1018.4	1060.6	1063.1	1062.2	1045.5	999.3
47.5°	1151.1	1141.0	1116.0	1107.9	1105.9	1148.6	1189.3	1193.4	1190.8	1166.2	1104.4
50°	1315.4	1300.9	1284.4	1278.8	1270.8	1301.3	1342.6	1343.1	1333.1	1298.9	1241.0
52.5°	1490.9	1485.9	1482.9	1477.3	1473.8	1500.4	1525.6	1510.5	1495.4	1459.7	1409.4
55°	1667.9	1688.4	1709.5	1711.6	1717.6	1746.2	1745.7	1704.6	1693.5	1673.9	1624.1
57.5°	1855.9	1932.2	1998.5	2019.2	2039.3	2092.5	2087.6	2046.8	2032.7	2008.6	1967.5
60°	2111.7	2317.8	2509.3	2555.0	2586.7	2650.6	2644.5	2581.7	2610.8	2608.8	2555.5
62.5°	2470.1	2812.8	3099.9	3170.3	3192.4	3199.5	3161.2	3093.4	3122.1	3154.2	2990.4
65°	2712.8	3116.0	3410.6	3464.9	3467.9	3383.9	3299.0	3219.1	3212.0	3184.4	2950.2
66°	2718.4	3131.1	3426.6	3479.4	3460.8	3346.2	3238.7	3158.2	3123.5	3062.7	2819.9
67.5°	2620.9	3037.1	3355.2	3411.1	3370.4	3208.0	3059.7	2956.2	2888.3	2789.7	2575.6
70°	2201.1	2613.9	3005.9	3109.9	3123.0	2880.7	2675.1	2553.6	2462.1	2326.8	2142.4
72.5°	1636.7	2009.6	2355.4	2455.0	2505.8	2312.2	2138.9	2046.3	1921.1	1779.0	1647.8
75°	1025.9	1289.3	1521.0	1590.9	1543.2	1393.4	1289.3	1250.7	1127.5	1042.5	982.7
77.5°	586.6	669.0	687.7	661.0	604.7	462.9	329.2	243.8	211.6	234.2	258.3
80°	572.5	524.8	418.2	368.0	333.3	229.2	134.7	92.5	76.9	79.0	85.5
82.5°	620.3	665.5	547.9	446.8	375.0	253.4	139.7	74.4	50.3	59.3	66.8
85°	403.1	560.9	505.2	425.8	344.9	216.7	115.1	38.8	25.6	33.7	46.2
87.5°	40.7	44.8	38.2	51.8	38.8	18.1	9.0	5.5	5.1	6.0	9.0
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: P155824

CATALOG NUMBER: AVS-F02-LED-E-U-T3-7030

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1	501.1
2.5°	500.6	500.6	501.1	501.7	502.2	502.7	502.7	502.7	502.7	503.6	503.2
5°	501.7	502.7	503.6	504.1	505.2	505.2	506.6	506.2	506.2	507.7	508.2
7.5°	503.6	505.2	507.2	506.6	508.7	508.2	509.2	509.2	507.7	508.2	507.2
10°	508.2	510.2	511.2	509.7	510.2	508.2	507.7	505.2	502.2	500.6	498.7
12.5°	515.8	517.7	517.7	515.2	512.2	507.7	504.1	498.7	494.1	491.6	489.1
15°	522.3	524.2	523.7	519.8	515.2	508.2	503.2	496.6	490.1	486.1	483.5
17.5°	527.3	528.3	526.8	521.2	516.3	509.7	504.7	497.6	490.1	485.1	480.5
20°	534.8	533.8	530.3	523.3	517.7	511.7	507.7	501.7	493.2	486.5	480.0
22.5°	545.9	541.9	535.3	527.8	522.3	516.8	512.7	506.2	497.6	489.6	482.1
25°	560.5	552.4	543.4	535.3	530.3	524.2	519.8	512.7	503.6	494.6	485.6
27.5°	581.6	567.5	556.0	548.9	543.4	535.9	530.3	521.2	511.7	501.1	491.1
30°	605.2	586.1	575.0	569.5	563.5	555.4	546.9	535.3	524.2	512.7	500.6
32.5°	635.9	612.7	602.2	596.7	588.6	578.5	568.5	555.4	539.9	524.8	510.2
35°	676.1	652.4	641.3	632.8	621.8	608.7	594.2	576.6	555.4	535.3	516.8
37.5°	719.3	693.7	683.1	674.1	657.5	640.4	619.8	594.2	565.5	538.9	515.8
40°	774.1	750.5	736.9	721.3	701.8	672.0	639.9	602.7	566.0	533.4	506.2
42.5°	843.4	819.8	799.7	775.1	740.9	695.2	649.4	601.1	557.0	519.8	490.6
45°	935.4	906.8	872.1	828.9	773.6	709.7	649.9	591.6	539.9	498.7	467.5
47.5°	1048.1	1004.4	947.6	874.6	795.2	713.8	641.9	572.5	513.3	468.5	433.8
50°	1181.8	1112.8	1019.4	912.3	806.3	707.8	621.8	543.8	475.5	427.8	386.5
52.5°	1334.6	1222.0	1084.2	939.5	805.8	687.7	587.6	500.6	426.2	373.0	333.8
55°	1514.0	1346.6	1151.1	959.6	791.7	650.5	535.3	439.8	365.4	316.2	280.0
57.5°	1776.9	1548.7	1267.7	990.8	763.5	593.2	464.5	366.9	301.6	254.8	224.1
60°	2257.4	1886.0	1477.8	1053.6	720.3	509.2	381.6	289.0	234.2	196.6	176.0
62.5°	2619.4	2146.8	1591.4	1039.5	633.4	405.7	283.0	210.6	172.4	146.7	133.7
65°	2567.6	2065.9	1470.3	895.2	496.6	286.0	188.0	143.2	118.7	106.5	99.1
66°	2450.5	1960.4	1365.2	805.8	429.2	237.7	154.8	120.1	102.1	93.5	88.5
67.5°	2228.3	1764.4	1177.2	660.5	329.7	172.4	116.6	95.0	82.9	79.4	75.9
70°	1852.3	1406.9	826.4	384.6	168.4	96.0	73.9	66.3	63.3	62.8	61.9
72.5°	1419.5	995.8	486.5	182.0	87.5	63.8	57.3	54.8	53.8	53.8	54.3
75°	870.2	559.5	215.1	89.0	61.3	53.8	50.8	49.7	49.2	49.7	49.2
77.5°	290.6	177.9	92.0	67.4	55.8	49.7	47.8	46.7	46.7	46.7	46.7
80°	89.0	77.4	70.4	62.3	52.7	47.3	44.2	43.7	44.2	44.8	43.2
82.5°	66.8	63.3	59.3	55.3	47.8	42.2	41.2	41.2	41.2	39.7	37.7
85°	49.2	48.8	40.2	37.7	35.2	35.2	35.2	35.2	33.7	31.2	29.1
87.5°	9.0	8.5	9.0	9.5	14.1	15.1	15.1	16.1	17.6	16.6	16.6
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: P155824

CATALOG NUMBER: AVS-F02-LED-E-U-T3-7030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	501.1	501.1	501.1	501.1	501.1
2.5°	503.2	502.7	504.1	503.2	503.6
5°	507.7	507.2	508.2	507.2	508.7
7.5°	506.2	505.2	504.7	505.2	505.7
10°	495.6	494.6	494.1	493.6	494.1
12.5°	486.5	484.6	484.6	483.5	484.0
15°	480.0	478.5	478.0	477.0	477.5
17.5°	477.0	474.5	473.5	472.5	472.5
20°	475.0	472.0	470.5	469.5	469.0
22.5°	475.0	470.5	468.5	467.5	466.9
25°	477.0	471.5	468.5	466.9	466.4
27.5°	481.0	474.0	470.5	468.5	468.5
30°	488.1	479.1	474.0	471.5	471.0
32.5°	495.1	483.1	476.1	473.1	472.0
35°	498.7	483.1	474.5	469.5	468.5
37.5°	494.6	476.5	466.0	458.4	456.9
40°	482.1	462.9	451.4	444.4	443.3
42.5°	465.5	446.8	433.3	428.3	426.7
45°	442.8	420.7	407.2	400.1	400.6
47.5°	404.1	381.6	369.4	362.9	363.9
50°	358.4	336.3	325.7	318.7	320.2
52.5°	308.1	288.0	277.9	274.4	273.5
55°	255.3	239.8	232.7	228.7	227.3
57.5°	207.0	196.1	191.0	186.0	186.5
60°	163.3	157.8	156.4	150.8	150.3
62.5°	128.7	125.2	123.6	119.6	120.1
65°	97.5	96.5	97.5	95.0	96.0
66°	88.0	88.5	88.5	86.9	88.0
67.5°	75.9	76.9	78.4	76.9	77.9
70°	62.8	63.8	64.9	64.9	64.9
72.5°	54.8	55.8	56.3	56.3	56.3
75°	50.3	50.8	51.3	50.3	50.3
77.5°	47.3	47.3	46.2	45.7	45.3
80°	42.7	42.2	40.7	39.7	39.7
82.5°	35.6	34.7	33.7	32.1	32.1
85°	27.2	26.1	25.2	23.1	22.1
87.5°	14.1	14.6	14.1	11.6	10.1
90°	0.0	0.0	0.0	0.0	0.0

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