



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : AOD96-LED96DMV35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] AOD96-LED96DMV35  
 [TESTDATE] 01-Sep-2017 14:27:03  
 [TESTLAB] Radiant Vision Systems ProSource  
 [ISSUE DATE] 9/1/2017 3:49:55 PM  
 [MANUFAC] Mobern Lighting Co  
 [LAMP] LED Module  
 [\_TOTALLUMINAIRELUMENS] 9852  
 [\_NUMBEROFRAYS]10000000  
 [DRIVER TYPE] (2) UNIVERSAL - DC10CC55UNVTZ  
 [BOARD TYPE] (8) UNIVERSAL BOARDS  
 [COLOR TEMP] 3500K  
 [LUMEN/WATT] 104  
 [CRI] 84.6  
 [OTHER] Absolute Photometry measurement

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9857
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	94.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.44 m
Luminous Width (90-270)	1.33 m
Luminous Height	0.08 m

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1202	1112	851
55	1185	783	620
65	987	460	152
75	680	55	25
85	131	35	39

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**CANDELA TABULATION**

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
<b>0</b>	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50
<b>3</b>	3934.28	3927.87	3920.57	3916.24	3909.42	3903.95	3901.46	3900.01	3899.71	3901.98
<b>6</b>	3905.00	3894.08	3883.90	3870.10	3856.51	3844.84	3838.38	3833.88	3833.96	3838.77
<b>9</b>	3872.51	3863.62	3848.61	3826.90	3803.30	3784.14	3771.84	3770.82	3777.54	3786.82
<b>12</b>	3832.68	3826.39	3810.27	3786.55	3762.19	3736.61	3722.91	3726.27	3738.57	3750.66
<b>15</b>	3780.68	3767.73	3755.84	3734.24	3716.91	3708.18	3712.44	3725.04	3730.73	3729.29
<b>18</b>	3724.86	3708.76	3682.62	3666.51	3670.61	3705.23	3737.65	3757.80	3745.82	3723.78
<b>21</b>	3673.38	3652.95	3613.55	3593.75	3636.66	3703.10	3748.93	3771.33	3753.87	3724.74
<b>24</b>	3620.85	3595.07	3540.16	3515.43	3597.39	3677.12	3710.47	3720.15	3698.39	3680.22
<b>27</b>	3558.62	3518.61	3464.20	3460.51	3541.67	3595.68	3602.90	3569.65	3549.77	3557.63
<b>30</b>	3479.63	3419.27	3398.55	3434.71	3462.09	3460.51	3427.73	3385.35	3398.82	3440.20
<b>33</b>	3382.35	3297.53	3334.34	3420.38	3391.01	3317.76	3268.62	3268.40	3331.95	3389.80
<b>36</b>	3286.19	3163.75	3245.87	3344.52	3281.05	3171.78	3181.27	3233.90	3239.32	3268.60
<b>39</b>	3199.29	3039.55	3143.92	3157.86	3128.47	3023.65	3087.84	3084.13	2968.26	2944.09
<b>42</b>	3066.51	2937.24	3032.75	2982.60	2970.40	2868.02	2868.71	2695.91	2549.20	2501.66
<b>45</b>	2849.55	2860.65	2900.07	2802.44	2815.10	2628.08	2466.46	2251.07	2136.93	2071.90
<b>48</b>	2637.48	2751.39	2728.44	2610.31	2568.03	2265.94	2041.13	1913.95	1812.23	1740.20
<b>51</b>	2509.82	2565.72	2512.77	2427.81	2221.84	1878.09	1751.43	1665.33	1597.86	1539.42
<b>54</b>	2381.83	2340.08	2319.39	2198.64	1839.78	1553.37	1528.68	1468.22	1393.25	1347.05
<b>57</b>	2166.42	2136.16	2067.99	1839.29	1465.74	1316.99	1308.32	1220.84	1112.71	1065.05
<b>60</b>	1883.81	1928.25	1797.25	1429.94	1180.60	1100.22	1035.09	873.67	757.99	694.08
<b>63</b>	1614.55	1671.77	1521.12	1109.40	945.44	837.22	723.26	560.89	432.82	385.01
<b>66</b>	1367.89	1365.25	1222.17	866.80	721.00	546.36	386.39	222.54	169.94	160.78
<b>69</b>	1151.70	1064.80	818.54	609.91	504.78	273.94	137.32	88.47	62.54	72.13
<b>72</b>	905.07	796.09	537.03	370.36	223.81	110.53	51.11	32.84	36.85	40.93
<b>75</b>	640.90	497.97	288.61	157.97	67.37	47.19	26.01	20.64	14.85	25.24
<b>78</b>	387.28	250.84	136.20	38.92	17.79	14.85	13.01	11.66	14.56	12.98
<b>81</b>	213.06	104.98	47.83	12.86	7.86	17.43	17.01	14.38	13.28	18.49
<b>84</b>	71.55	27.40	5.72	4.18	7.03	29.28	23.14	12.84	13.50	22.14
<b>87</b>	9.36	2.07	0.17	2.25	8.48	22.33	18.87	10.88	7.93	11.26
<b>90</b>	0.39	0.00	0.00	0.34	6.72	9.71	11.52	12.15	14.75	10.82
<b>93</b>	0.00	0.00	0.01	0.45	0.59	1.31	2.16	3.76	4.14	5.75
<b>96</b>	0.00	0.00	0.03	0.02	0.02	0.02	0.22	0.45	0.12	0.35
<b>99</b>	0.00	0.00	0.02	0.01	0.01	0.05	0.02	0.04	0.02	0.02
<b>102</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>108</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>111</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>114</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>117</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>123</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>126</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>129</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>132</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>135</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>138</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>141</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>144</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>147</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>153</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>156</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>159</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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**CANDELA TABULATION - (Cont.)**

162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Horizontal Angles**  
**Angles**

	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>190</b>
0	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50
3	3903.87	3908.11	3913.10	3918.50	3925.25	3930.72	3934.90	3938.97	3941.65	3942.95
6	3846.07	3855.41	3868.38	3880.66	3893.74	3906.43	3916.82	3921.46	3922.67	3918.39
9	3797.17	3807.34	3819.72	3836.42	3855.10	3876.53	3895.02	3905.32	3906.09	3894.63
12	3759.04	3764.26	3770.11	3781.38	3802.70	3823.68	3853.18	3879.55	3889.87	3871.91
15	3730.99	3731.83	3720.80	3710.58	3709.06	3728.34	3771.47	3827.92	3868.43	3843.01
18	3717.48	3714.61	3691.51	3651.85	3608.04	3604.84	3638.20	3753.59	3838.09	3802.58
21	3709.77	3703.43	3677.56	3620.51	3547.48	3496.26	3504.82	3650.33	3796.08	3725.28
24	3664.47	3665.95	3658.66	3607.26	3521.85	3426.71	3390.13	3510.81	3740.60	3614.17
27	3545.37	3558.94	3597.58	3571.97	3517.09	3422.12	3362.88	3408.00	3670.26	3539.98
30	3419.99	3414.29	3451.34	3458.65	3461.66	3438.92	3275.61	3312.20	3582.77	3401.16
33	3350.16	3303.77	3278.48	3305.58	3348.00	3439.52	3255.48	3146.45	3478.76	3247.04
36	3239.47	3249.66	3180.13	3185.27	3186.97	3344.21	3208.74	3052.64	3369.71	3081.78
39	2966.95	3085.04	3080.66	3075.55	3037.13	3124.98	3141.06	2938.19	3262.84	2928.09
42	2556.21	2678.94	2838.72	2887.67	2904.79	2927.92	3032.94	2830.76	3137.41	2787.01
45	2140.47	2214.83	2453.91	2605.60	2713.80	2757.96	2826.08	2714.93	2976.27	2661.12
48	1805.80	1866.31	2075.09	2259.62	2438.32	2590.15	2564.13	2574.22	2803.48	2533.95
51	1578.28	1594.82	1773.29	1899.67	2115.46	2391.74	2277.91	2404.26	2641.33	2407.52
54	1359.31	1375.50	1511.25	1565.13	1761.91	2110.97	2071.93	2259.42	2463.56	2246.47
57	1081.49	1130.53	1279.98	1295.40	1446.44	1792.87	1862.30	2091.56	2239.62	2040.01
60	742.80	818.28	985.39	1057.94	1176.02	1436.68	1615.90	1896.18	1971.61	1794.92
63	432.53	491.09	662.03	791.76	952.30	1102.08	1348.38	1631.06	1671.67	1546.53
66	165.34	229.33	321.66	497.24	723.12	811.23	982.42	1285.45	1358.31	1275.67
69	80.76	107.38	128.15	229.28	428.73	535.34	667.38	936.08	1050.30	981.86
72	45.38	44.22	75.80	95.73	168.54	313.31	432.14	625.77	761.28	685.94
75	20.24	22.00	28.16	39.09	51.44	135.85	243.58	359.00	503.60	417.71
78	13.73	12.09	13.61	11.41	18.88	30.39	87.31	173.78	289.57	212.48
81	13.14	14.40	15.44	12.26	7.45	8.12	25.00	51.30	117.53	67.95
84	16.27	16.27	21.34	22.96	6.19	2.30	3.32	9.49	25.58	12.31
87	10.57	13.78	20.41	21.55	10.70	2.20	0.77	1.29	2.20	0.38
90	14.81	11.51	14.71	6.81	6.04	1.38	0.21	0.00	1.24	0.00
93	4.34	5.07	1.65	2.93	1.35	0.45	0.47	0.06	0.45	0.01
96	0.51	0.62	0.36	0.12	0.13	0.09	0.04	0.00	0.06	0.00
99	0.07	0.04	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Angles**      **Horizontal Angles**

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50
3	3942.93	3945.88	3945.18	3947.06	3950.01	3952.86	3955.52	3957.87	3959.25	3959.75
6	3914.60	3910.01	3907.55	3908.58	3916.22	3924.77	3932.12	3939.47	3944.19	3946.59
9	3878.00	3862.19	3859.42	3869.33	3887.65	3902.51	3910.18	3912.71	3913.67	3914.07
12	3841.09	3818.03	3822.66	3843.89	3873.35	3890.46	3890.17	3882.21	3873.66	3870.62
15	3792.14	3758.25	3763.27	3804.47	3842.08	3860.07	3856.91	3849.24	3835.36	3828.34
18	3717.02	3685.07	3695.73	3754.42	3797.76	3809.41	3814.45	3816.07	3804.35	3783.46
21	3635.30	3618.14	3651.96	3720.02	3765.92	3766.38	3771.05	3785.01	3777.42	3744.70
24	3581.63	3568.90	3622.26	3688.82	3729.92	3726.65	3735.74	3756.48	3754.29	3718.07
27	3485.42	3549.15	3602.46	3637.23	3670.33	3672.41	3701.53	3721.70	3722.64	3694.96
30	3422.34	3512.55	3536.93	3541.29	3570.40	3586.13	3631.84	3636.87	3654.38	3655.10
33	3364.19	3436.62	3417.31	3421.54	3447.35	3456.23	3486.13	3471.22	3517.02	3538.95
36	3291.44	3307.71	3269.57	3307.71	3341.85	3317.08	3297.25	3278.00	3332.33	3352.71
39	3187.43	3142.75	3139.69	3201.27	3161.76	3162.75	3106.69	3093.80	3138.70	3171.13
42	3023.73	3018.16	3009.22	3068.49	3022.49	2907.43	2855.59	2854.92	2897.45	2959.83
45	2813.17	2893.72	2799.90	2868.75	2677.61	2562.87	2421.60	2459.64	2461.33	2616.31
48	2610.56	2739.45	2552.54	2562.82	2298.85	2163.27	2082.50	2052.42	2121.45	2246.47
51	2385.19	2541.59	2347.83	2187.47	1918.74	1786.07	1741.81	1710.42	1771.20	1879.16
54	2172.51	2286.08	2082.60	1800.09	1589.44	1543.35	1460.63	1459.84	1488.65	1577.89
57	1921.81	2011.95	1774.27	1462.94	1370.17	1359.23	1264.72	1263.39	1316.37	1312.07
60	1686.51	1680.78	1367.29	1196.06	1164.95	1159.97	1056.15	1021.56	1150.50	1081.44
63	1438.54	1292.03	1057.41	973.33	900.35	793.26	698.43	610.01	713.66	753.94
66	1164.76	934.78	839.15	717.60	499.35	371.01	292.20	300.59	285.22	385.15
69	855.25	671.82	536.26	325.37	176.19	134.87	127.59	141.05	123.60	156.19
72	567.67	412.51	267.84	96.03	83.54	78.89	68.91	85.96	72.61	88.68
75	306.55	193.43	75.51	54.32	43.12	43.34	38.87	44.77	41.46	40.76
78	135.57	55.07	28.72	26.97	20.84	15.03	11.72	13.61	16.25	16.46
81	38.19	16.32	12.11	11.77	10.64	8.64	5.34	5.05	6.08	11.54
84	4.44	6.19	4.93	4.23	4.04	3.60	4.82	4.25	5.06	5.68
87	0.07	0.97	2.44	0.57	0.31	0.19	3.02	1.21	2.61	1.28
90	0.00	0.00	0.16	0.00	0.00	0.00	0.40	1.21	1.43	0.16
93	0.00	0.02	0.00	0.06	0.00	0.00	0.05	0.06	0.09	0.04
96	0.00	0.00	0.03	0.01	0.01	0.00	0.01	0.02	0.01	0.01
99	0.00	0.00	0.09	0.01	0.01	0.01	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AOD96-LED96DMV35.IES**

**CANDELA TABULATION - (Cont.)**

108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Horizontal Angles**  
**Angles**

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50	3949.50
3	3959.16	3957.14	3953.70	3951.17	3944.09	3939.67	3934.28
6	3946.65	3942.70	3938.48	3932.56	3923.66	3912.52	3905.00
9	3912.92	3906.28	3893.86	3878.82	3876.32	3872.13	3872.51
12	3875.33	3873.67	3855.33	3826.05	3816.50	3823.83	3832.68
15	3839.69	3855.35	3838.38	3803.79	3787.39	3783.62	3780.68
18	3785.32	3811.97	3808.86	3784.91	3765.09	3749.52	3724.86
21	3719.30	3734.98	3745.12	3730.93	3703.83	3682.01	3673.38
24	3667.19	3669.34	3676.77	3659.60	3620.74	3602.50	3620.85
27	3629.75	3620.43	3624.34	3604.55	3557.20	3559.94	3558.62
30	3572.04	3556.86	3566.02	3535.20	3497.30	3523.03	3479.63
33	3471.18	3470.90	3499.96	3454.73	3422.05	3429.15	3382.35
36	3354.28	3357.63	3394.81	3348.27	3339.10	3301.57	3286.19
39	3233.45	3217.55	3243.51	3186.26	3234.99	3183.97	3199.29
42	3043.73	3084.23	3100.54	3055.22	3094.61	3060.84	3066.51
45	2720.01	2942.04	2955.95	2912.31	2940.02	2911.80	2849.55
48	2348.89	2689.07	2783.83	2724.29	2784.87	2729.85	2637.48
51	1989.42	2299.17	2548.83	2514.80	2587.69	2530.97	2509.82
54	1651.87	1857.14	2214.54	2254.17	2369.33	2324.15	2381.83
57	1379.13	1488.24	1836.25	2005.45	2080.05	2116.10	2166.42
60	1190.17	1214.65	1431.90	1639.42	1818.40	1869.17	1883.81
63	925.78	996.49	1092.84	1312.24	1611.24	1605.92	1614.55
66	578.45	762.37	845.42	1013.63	1305.63	1336.85	1367.89
69	211.95	430.91	640.47	693.19	960.46	1067.90	1151.70
72	97.06	157.39	342.71	445.20	652.78	826.43	905.07
75	55.96	64.25	119.73	241.80	366.67	572.64	640.90
78	25.96	32.88	37.32	86.42	170.68	348.72	387.28

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AOD96-LED96DMV35.IES**

**CANDELA TABULATION - (Cont.)**

<b>81</b>	13.87	18.08	14.75	28.57	73.38	147.36	213.06
<b>84</b>	5.70	5.20	5.20	7.20	12.45	41.24	71.55
<b>87</b>	3.00	1.36	2.74	1.38	0.82	2.80	9.36
<b>90</b>	0.00	0.00	0.00	0.00	0.21	0.00	0.39
<b>93</b>	0.01	0.01	0.01	0.02	0.01	0.00	0.00
<b>96</b>	0.01	0.02	0.02	0.00	0.00	0.00	0.00
<b>99</b>	0.01	0.01	0.02	0.00	0.00	0.00	0.00
<b>102</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>108</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>111</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>114</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>117</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>123</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>126</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>129</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>132</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>135</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>138</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>141</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>144</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>147</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>153</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>156</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>159</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>162</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>165</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>168</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>171</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>174</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>177</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AOD96-LED96DMV35.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1174.85	N.A.	11.90
0-30	3108.58	N.A.	31.50
0-40	4958.56	N.A.	50.30
0-60	8807.21	N.A.	89.30
0-80	9825.99	N.A.	99.70
0-90	9856.36	N.A.	100.00
10-90	9554.78	N.A.	96.90
20-40	3783.71	N.A.	38.40
20-50	5663.18	N.A.	57.50
40-70	4635.89	N.A.	47.00
60-80	1018.77	N.A.	10.30
70-80	231.53	N.A.	2.30
80-90	30.37	N.A.	0.30
90-110	0.94	N.A.	0.00
90-120	0.94	N.A.	0.00
90-130	0.94	N.A.	0.00
90-150	0.94	N.A.	0.00
90-180	0.94	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	9857.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	301.58
10-20	873.27
20-30	1933.73
30-40	1849.98
40-50	1879.47
50-60	1969.18
60-70	787.24
70-80	231.53
80-90	30.37
90-100	0.93
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AOD96-LED96DMV35.IES**

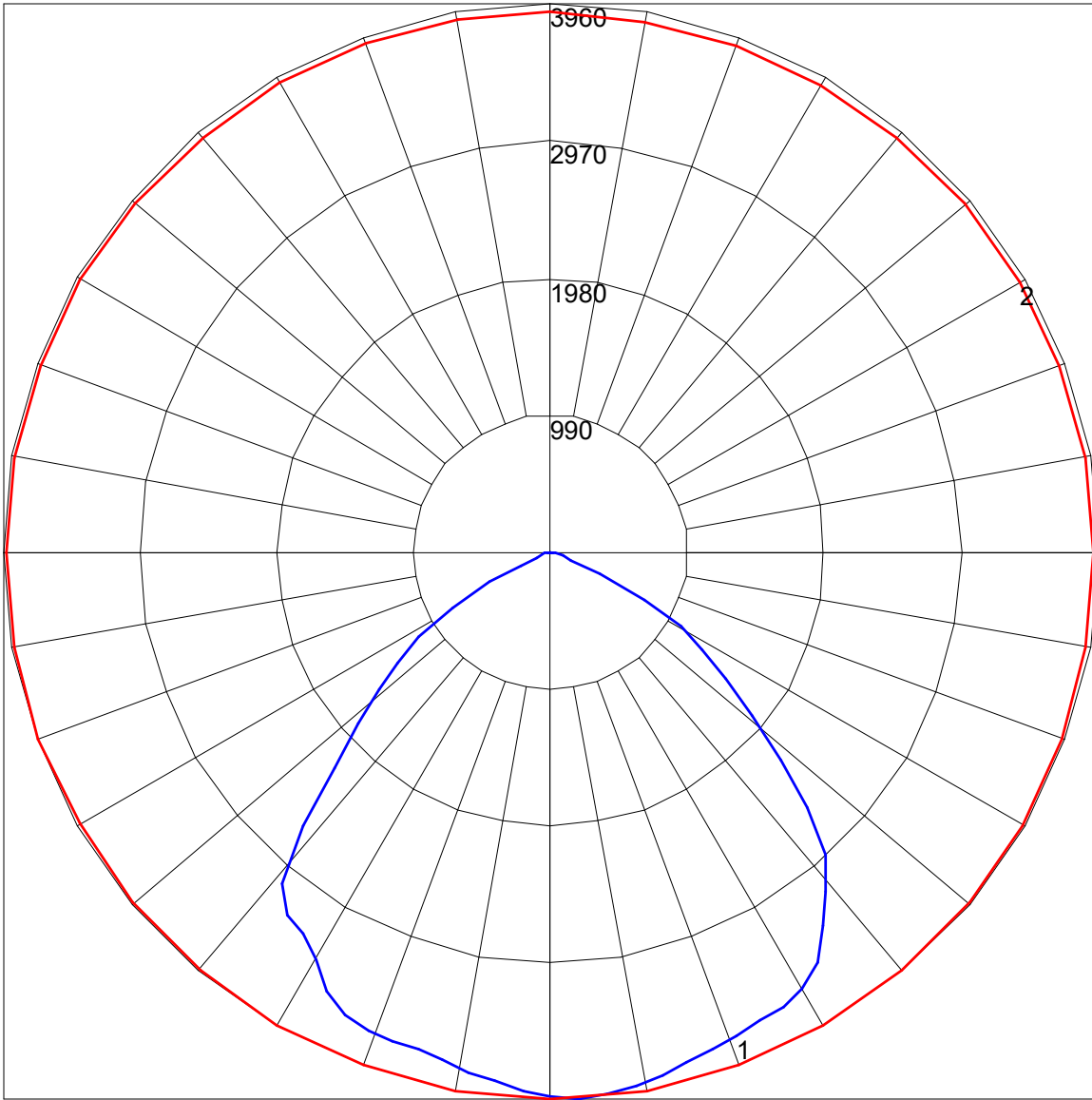
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	74	69	66	64
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	44	37	32	43	36	31	42	36	31	41	35	31	29
10	54	41	34	29	53	41	34	28	40	33	28	39	33	28	38	32	28	26



POLAR GRAPH



Maximum Candela = 3959.75 Located At Horizontal Angle = 290, Vertical Angle = 3  
# 1 - Vertical Plane Through Horizontal Angles (290 - 110) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)