



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : AOD96-LED96DMV40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] AOD96-LED96DMV40  
 [TESTDATE] 18-Sep-2017 08:24:24  
 [TESTLAB] Radiant Vision Systems ProSource  
 [ISSUE DATE] 9/18/2017 9:15:22 AM  
 [MANUFAC] Mobern Lighting Co  
 [LAMP] LED Module  
 [\_TOTALLUMINAIRELUMENS] 10170.4  
 [\_NUMBEROFRAYS] 10000000  
 [DRIVER TYPE] (2) D10CC55UNVTZ-C  
 [BOARD TYPE] (8) UNIVERSAL "F"  
 [COLOR TEMP] 4,127  
 [LUMEN/WATT] 107 LM/WT  
 [CRI] 85.1  
 [OTHER] Absolute Photometry measurement

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10176
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	94.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.44 m
Luminous Width (90-270)	0.15 m
Luminous Height	0.09 m

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11240	7984	5849
55	11149	5109	3767
65	9277	2851	1115
75	6384	266	115
85	1242	81	81

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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>	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88
<b>3</b>	4113.20	4115.48	4115.86	4114.35	4112.08	4107.96	4103.71	4099.22	4094.78	4091.36
<b>6</b>	4101.14	4101.26	4100.63	4094.86	4087.11	4079.44	4072.48	4062.36	4052.59	4041.59
<b>9</b>	4053.55	4049.18	4043.63	4029.68	4025.58	4026.72	4027.09	4020.26	4006.79	3990.06
<b>12</b>	3991.99	3986.77	3971.21	3951.69	3951.00	3959.96	3977.07	3978.82	3965.62	3947.75
<b>15</b>	3939.28	3941.14	3929.94	3889.46	3860.53	3879.33	3912.70	3932.26	3927.25	3919.30
<b>18</b>	3886.42	3900.61	3897.45	3853.55	3808.29	3823.07	3865.79	3890.45	3901.90	3909.23
<b>21</b>	3819.81	3818.22	3830.76	3817.47	3790.97	3816.22	3861.25	3879.67	3894.47	3910.96
<b>24</b>	3739.63	3706.79	3727.60	3755.64	3767.21	3816.10	3871.91	3875.14	3869.70	3876.57
<b>27</b>	3651.87	3606.15	3615.95	3685.92	3716.38	3781.20	3834.38	3814.08	3782.69	3773.38
<b>30</b>	3571.14	3512.58	3516.70	3618.66	3648.88	3703.83	3716.49	3706.84	3681.42	3667.57
<b>33</b>	3508.71	3408.94	3429.31	3570.21	3580.16	3604.99	3575.25	3623.45	3615.82	3610.09
<b>36</b>	3453.43	3299.37	3365.75	3494.66	3466.67	3494.67	3486.05	3569.60	3499.49	3494.01
<b>39</b>	3381.72	3205.51	3304.95	3333.51	3316.78	3368.32	3387.80	3372.93	3203.97	3213.81
<b>42</b>	3244.31	3130.55	3219.35	3174.06	3196.45	3202.10	3159.08	2982.63	2762.76	2826.18
<b>45</b>	3017.48	3061.57	3092.66	2993.79	3053.76	2942.66	2750.62	2433.98	2330.54	2422.81
<b>48</b>	2801.05	2928.61	2932.78	2794.22	2811.05	2557.39	2301.97	2093.59	1993.30	2066.13
<b>51</b>	2677.71	2699.05	2728.67	2599.82	2435.92	2128.14	1936.73	1825.23	1770.85	1791.39
<b>54</b>	2542.64	2443.92	2514.07	2402.56	1986.48	1750.04	1619.76	1566.94	1569.99	1559.48
<b>57</b>	2309.20	2258.54	2233.39	2009.88	1616.63	1488.91	1362.93	1290.16	1332.42	1288.48
<b>60</b>	1980.05	2075.90	1956.76	1579.00	1349.57	1260.24	1094.23	1020.75	1024.30	1002.22
<b>63</b>	1708.42	1822.57	1746.71	1230.36	1108.66	1024.74	796.30	769.86	785.09	703.86
<b>66</b>	1469.43	1500.01	1349.21	960.84	848.46	686.45	471.89	415.65	276.58	239.97
<b>69</b>	1247.75	1180.31	911.76	727.98	545.72	332.35	206.80	147.41	95.80	109.55
<b>72</b>	979.03	859.92	587.56	450.12	270.99	134.44	91.55	61.43	59.64	62.36
<b>75</b>	688.23	550.02	338.60	244.87	86.07	49.15	38.19	39.77	28.71	35.28
<b>78</b>	411.20	284.39	170.85	69.95	26.26	24.25	13.87	15.39	16.48	16.53
<b>81</b>	224.12	124.67	70.32	26.36	13.64	17.96	17.87	16.10	14.48	17.99
<b>84</b>	78.17	38.21	8.99	6.61	6.78	21.20	23.62	14.12	16.64	22.14
<b>87</b>	12.74	2.95	0.80	3.79	11.64	28.10	20.14	13.89	13.62	16.98
<b>90</b>	3.30	0.25	0.00	1.88	9.27	14.87	13.61	11.21	10.05	12.47
<b>93</b>	0.00	0.00	0.00	0.11	1.02	2.88	4.67	5.42	3.78	6.88
<b>96</b>	0.00	0.00	0.00	0.03	0.13	0.13	0.27	0.42	0.25	0.37
<b>99</b>	0.00	0.00	0.01	0.01	0.03	0.04	0.04	0.05	0.03	0.03
<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**

	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88
3	4087.52	4085.19	4083.80	4083.43	4085.66	4089.78	4091.24	4094.28	4095.43	4094.55
6	4030.76	4024.17	4021.14	4021.84	4031.65	4045.96	4062.37	4075.38	4084.30	4085.03
9	3974.56	3960.91	3952.18	3953.16	3966.76	3994.46	4027.11	4055.21	4067.32	4058.68
12	3931.71	3918.14	3909.18	3910.84	3925.77	3950.89	3993.68	4033.21	4046.14	4015.39
15	3908.97	3892.99	3874.91	3868.20	3869.14	3889.05	3939.09	3996.54	4020.84	3971.04
18	3902.54	3875.23	3833.14	3804.73	3781.47	3791.19	3841.83	3937.42	3979.38	3907.77
21	3900.02	3868.72	3808.20	3753.60	3710.49	3687.12	3730.04	3838.90	3913.95	3741.77
24	3864.47	3864.73	3823.69	3747.30	3689.05	3619.46	3614.75	3726.68	3846.09	3646.05
27	3762.86	3798.53	3801.34	3731.93	3700.76	3606.04	3522.63	3555.89	3794.46	3619.61
30	3660.49	3670.67	3669.11	3642.07	3662.49	3594.91	3441.25	3467.46	3738.55	3504.61
33	3622.60	3558.15	3504.04	3514.01	3552.93	3553.93	3384.80	3315.42	3655.89	3382.00
36	3541.86	3497.62	3416.71	3403.82	3388.16	3446.72	3377.73	3189.74	3556.27	3232.65
39	3275.47	3334.24	3327.89	3299.28	3241.47	3260.27	3326.95	3088.14	3449.69	3087.14
42	2854.35	2932.81	3091.93	3135.90	3115.82	3111.68	3163.18	2975.87	3314.89	2925.08
45	2413.73	2453.96	2702.21	2862.76	2896.53	2972.43	2958.87	2830.67	3133.36	2736.28
48	2033.56	2079.77	2293.71	2482.62	2598.82	2798.69	2705.31	2666.88	2928.36	2535.30
51	1752.67	1792.69	1937.04	2076.40	2299.60	2568.44	2433.11	2515.91	2725.07	2368.57
54	1527.10	1571.77	1637.19	1719.52	1965.81	2258.70	2242.26	2383.25	2514.27	2201.65
57	1296.76	1346.87	1424.98	1456.85	1620.80	1937.29	2038.60	2198.03	2279.98	2021.13
60	1006.02	1054.01	1197.93	1219.81	1305.60	1567.27	1760.56	1955.00	2014.30	1812.35
63	692.13	708.82	835.14	930.03	1068.33	1209.89	1439.61	1671.46	1716.82	1572.55
66	256.63	345.98	480.33	618.86	846.58	914.36	1047.43	1343.20	1407.87	1288.00
69	120.55	148.44	206.37	324.12	537.81	631.93	711.93	1007.78	1107.85	993.41
72	62.78	62.56	92.19	127.51	263.24	396.13	473.91	690.95	816.90	708.61
75	29.29	29.12	34.72	53.72	76.52	179.34	266.44	412.94	536.98	426.18
78	17.87	14.43	16.00	19.42	22.39	48.52	111.68	185.10	297.64	212.99
81	13.30	15.31	15.09	14.15	8.82	11.88	35.01	60.30	114.37	61.88
84	13.10	14.70	18.90	23.01	7.84	5.10	4.09	12.52	24.82	10.13
87	10.79	14.92	26.09	20.82	12.40	1.66	0.10	0.75	1.48	0.19
90	10.90	9.61	14.95	8.84	3.05	0.35	0.07	0.00	6.09	0.00
93	5.38	3.95	3.93	2.73	1.36	0.54	0.02	0.01	0.61	0.00
96	0.46	0.38	0.38	0.17	0.13	0.04	0.01	0.00	0.05	0.00
99	0.10	0.03	0.01	0.01	0.00	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
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

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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	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88
3	4091.77	4087.17	4081.91	4074.49	4068.44	4063.33	4059.66	4059.40	4059.83	4063.90
6	4080.56	4069.76	4056.60	4043.22	4029.73	4015.80	4006.43	4000.86	4001.42	4007.69
9	4040.83	4018.78	4007.32	4001.78	3995.88	3989.41	3982.82	3976.31	3971.53	3969.66
12	3967.75	3934.71	3937.04	3944.63	3956.29	3966.00	3971.17	3968.80	3957.87	3943.16
15	3896.42	3848.75	3850.68	3880.36	3906.82	3932.62	3945.69	3949.43	3942.74	3925.59
18	3815.03	3769.38	3777.26	3820.58	3856.94	3887.94	3903.06	3908.58	3915.07	3906.41
21	3720.36	3693.58	3733.33	3781.85	3814.06	3832.04	3835.39	3846.06	3853.81	3859.95
24	3651.06	3634.43	3717.72	3762.19	3780.36	3773.18	3765.37	3779.53	3775.11	3789.21
27	3543.21	3617.55	3705.59	3709.11	3722.36	3716.62	3717.55	3719.18	3710.28	3710.64
30	3475.97	3596.57	3628.10	3580.19	3598.66	3623.53	3643.50	3628.25	3634.13	3608.15
33	3421.41	3532.20	3494.96	3438.61	3453.03	3478.58	3451.70	3469.76	3497.20	3479.31
36	3341.50	3382.45	3323.55	3320.90	3343.00	3329.28	3246.45	3252.03	3293.37	3345.36
39	3214.71	3155.90	3162.05	3196.88	3204.06	3134.45	3035.67	2991.60	3068.37	3139.64
42	3085.14	3007.51	3007.38	3019.93	2953.24	2785.32	2768.60	2692.31	2690.95	2793.66
45	2895.43	2902.96	2796.24	2782.46	2569.85	2372.41	2375.04	2360.15	2265.09	2416.32
48	2644.44	2768.79	2557.28	2484.75	2164.05	2016.10	1955.69	2022.84	1977.15	2090.20
51	2362.03	2545.68	2302.43	2124.01	1807.23	1714.81	1636.67	1699.00	1707.63	1787.88
54	2146.44	2214.40	1935.55	1724.63	1486.65	1434.10	1358.03	1407.70	1442.61	1473.31
57	1921.04	1917.04	1579.46	1386.75	1233.53	1229.58	1124.46	1095.69	1172.27	1254.36
60	1706.34	1624.43	1268.66	1111.34	990.04	934.68	789.17	799.79	831.82	885.97
63	1469.63	1293.03	1012.78	836.37	697.76	576.91	428.41	395.65	426.63	519.02
66	1122.62	928.01	762.09	541.93	311.32	225.02	172.46	177.46	182.23	220.90
69	772.88	589.99	448.59	229.14	125.41	113.84	96.36	95.07	98.64	112.71
72	498.55	345.70	173.72	77.51	57.30	69.41	47.16	54.65	56.62	68.99
75	271.89	148.69	54.22	37.51	29.57	27.11	20.80	20.55	22.97	25.48
78	97.19	37.31	28.24	15.22	8.39	9.36	8.33	5.50	4.45	11.56
81	29.41	11.73	13.62	8.19	6.08	6.09	2.93	2.11	2.69	6.41
84	3.41	4.80	3.94	1.81	3.00	3.67	3.10	2.94	2.84	3.72
87	0.10	0.23	1.05	0.39	0.36	0.80	2.85	1.08	1.88	0.35
90	0.00	0.00	0.00	0.00	0.00	0.08	1.59	0.00	0.00	0.00
93	0.00	0.00	0.00	0.03	0.00	0.04	0.65	0.00	0.47	0.01
96	0.00	0.01	0.01	0.01	0.00	0.02	0.11	0.00	0.04	0.01
99	0.01	0.00	0.02	0.00	0.01	0.00	0.04	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-LED96DMV40.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	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88	4104.88
3	4069.84	4077.36	4087.21	4094.71	4103.20	4109.10	4113.20
6	4020.38	4034.78	4051.25	4068.68	4084.71	4094.15	4101.14
9	3973.59	3984.21	3996.87	4012.42	4032.16	4043.90	4053.55
12	3934.09	3936.01	3944.43	3950.46	3965.37	3981.09	3991.99
15	3905.56	3899.58	3903.33	3913.35	3926.82	3932.75	3939.28
18	3882.16	3871.03	3878.43	3891.62	3898.99	3895.90	3886.42
21	3845.56	3835.73	3843.78	3846.22	3844.48	3837.50	3819.81
24	3800.86	3795.46	3787.21	3749.66	3750.23	3755.26	3739.63
27	3739.89	3740.89	3720.88	3664.69	3649.17	3664.59	3651.87
30	3630.87	3655.92	3647.36	3605.36	3576.42	3580.47	3571.14
33	3497.36	3540.97	3556.92	3543.20	3508.20	3510.26	3508.71
36	3361.45	3376.47	3397.65	3427.40	3401.47	3411.15	3453.43
39	3194.98	3175.42	3187.45	3242.80	3259.58	3245.46	3381.72
42	2982.83	3006.36	3021.55	3092.58	3092.14	3061.76	3244.31
45	2679.22	2847.43	2874.30	2928.41	2922.73	2925.53	3017.48
48	2304.48	2561.69	2656.55	2721.43	2773.82	2788.81	2801.05
51	1919.09	2131.99	2319.55	2502.21	2583.97	2604.26	2677.71
54	1543.22	1693.53	1925.86	2253.44	2370.00	2389.84	2542.64
57	1271.15	1373.21	1597.79	2032.84	2091.26	2168.32	2309.20
60	1019.51	1160.24	1332.67	1640.11	1833.20	1904.15	1980.05
63	732.63	920.75	1064.74	1254.48	1611.14	1607.19	1708.42
66	348.85	612.23	780.75	912.98	1279.64	1304.26	1469.43
69	132.91	253.10	481.57	597.98	925.51	1034.94	1247.75
72	71.91	85.28	222.43	375.07	614.88	792.35	979.03
75	35.08	47.69	59.13	191.93	344.92	563.76	688.23
78	12.36	24.21	27.41	54.30	154.02	300.93	411.20

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AOD96-LED96DMV40.IES**

**CANDELA TABULATION - (Cont.)**

<b>81</b>	8.47	12.31	10.75	21.86	56.51	131.36	224.12
<b>84</b>	3.71	2.53	4.80	6.56	8.54	34.36	78.17
<b>87</b>	0.77	0.04	1.32	1.03	1.08	1.61	12.74
<b>90</b>	0.00	0.00	0.54	0.00	0.00	0.00	3.30
<b>93</b>	0.00	0.01	0.00	0.00	0.00	0.00	0.00
<b>96</b>	0.00	0.01	0.02	0.01	0.00	0.00	0.00
<b>99</b>	0.01	0.01	0.04	0.01	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-LED96DMV40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1218.21	N.A.	12.00
0-30	3219.95	N.A.	31.60
0-40	5139.55	N.A.	50.50
0-60	9104.05	N.A.	89.50
0-80	10144.43	N.A.	99.70
0-90	10174.94	N.A.	100.00
10-90	9861.5	N.A.	96.90
20-40	3921.34	N.A.	38.50
20-50	5864.2	N.A.	57.60
40-70	4769.8	N.A.	46.90
60-80	1040.38	N.A.	10.20
70-80	235.08	N.A.	2.30
80-90	30.51	N.A.	0.30
90-110	1.05	N.A.	0.00
90-120	1.05	N.A.	0.00
90-130	1.05	N.A.	0.00
90-150	1.05	N.A.	0.00
90-180	1.05	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	10175.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	313.43
10-20	904.77
20-30	2001.74
30-40	1919.6
40-50	1942.85
50-60	2021.65
60-70	805.30
70-80	235.08
80-90	30.51
90-100	1.05
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-LED96DMV40.IES**

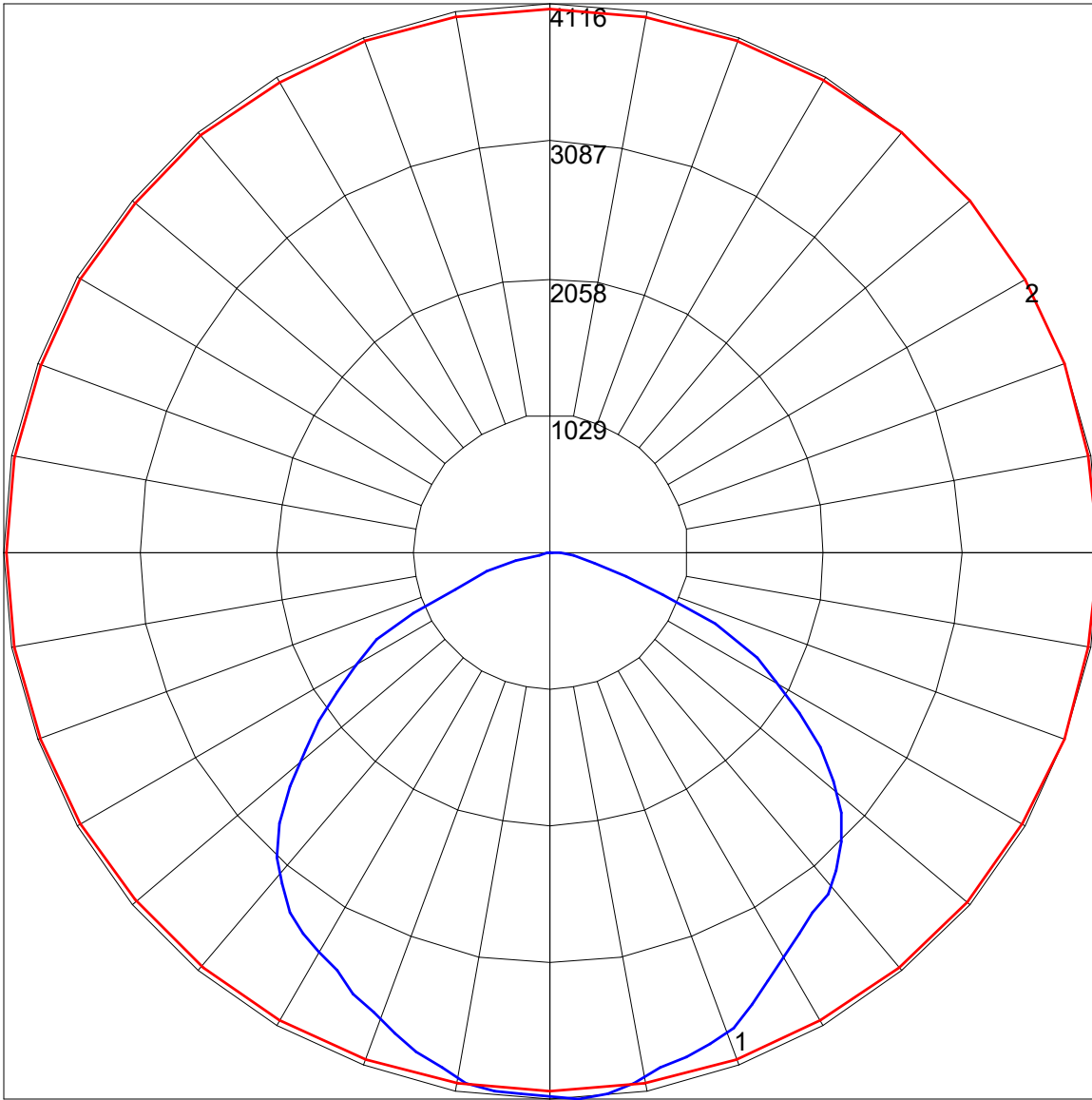
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	93	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	74
3	93	83	76	70	91	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	52	76	65	57	51	63	56	51	61	55	50	59	54	50	48
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	40	52	45	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26



POLAR GRAPH



Maximum Candela = 4115.86 Located At Horizontal Angle = 20, Vertical Angle = 3  
# 1 - Vertical Plane Through Horizontal Angles (20 - 200) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)