



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : AI3P33-8-L16-835-S-(L8)-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 13367812.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 02/23/2023  
[MANUFAC] WILLIAMS INDOOR  
[LUMCAT] AI3P33-8-L16-835-S-(L8)-DIM-UNV  
[LUMINAIRE] Formed white steel housing, prismatic lens enclosure  
[LAMP] LED

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6437
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	48.5
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.67 ft
Luminous Width (90-270)	8.00 ft
Luminous Height	0.25 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	101	123	171
55	74	112	178
65	47	105	205
75	32	104	294
85	24	205	1048

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	85.425	85.425	85.425	85.425	85.425
0.5	86.712	86.244	85.776	85.191	82.326
1.0	86.712	86.185	85.776	85.191	82.268
1.5	86.712	86.185	85.776	85.191	82.268
2.0	86.653	86.185	85.776	85.191	82.209
2.5	86.595	86.127	85.718	85.191	82.209
3.0	86.536	86.127	85.718	85.133	82.151
3.5	86.536	86.068	85.718	85.133	82.151
4.0	86.419	86.010	85.659	85.133	82.092
4.5	86.361	85.951	85.601	85.133	82.092
5.0	86.244	85.834	85.542	85.074	82.092
5.5	86.127	85.718	85.484	85.074	82.092
6.0	86.010	85.659	85.367	85.074	82.151
6.5	85.893	85.542	85.308	85.074	82.209
7.0	85.776	85.367	85.191	85.016	82.268
7.5	85.601	85.250	85.074	85.016	82.326
8.0	85.425	85.074	84.957	84.957	82.443
8.5	85.250	84.899	84.840	84.899	82.560
9.0	85.016	84.724	84.724	84.840	82.619
9.5	84.840	84.548	84.548	84.840	82.736
10.0	84.607	84.373	84.431	84.724	82.852
10.5	84.373	84.139	84.256	84.665	82.969
11.0	84.080	83.905	84.080	84.548	83.028
11.5	83.846	83.671	83.905	84.431	83.086
12.0	83.554	83.379	83.730	84.373	83.145
12.5	83.262	83.145	83.554	84.256	83.203
13.0	82.969	82.911	83.320	84.080	83.203
13.5	82.677	82.619	83.086	83.963	83.203
14.0	82.326	82.326	82.911	83.788	83.203
14.5	82.034	82.034	82.677	83.613	83.203
15.0	81.742	81.742	82.443	83.496	83.262
15.5	81.391	81.449	82.209	83.320	83.379
16.0	81.040	81.157	81.917	83.145	83.437
16.5	80.748	80.806	81.683	82.969	83.437
17.0	80.338	80.514	81.449	82.736	83.437
17.5	79.987	80.163	81.157	82.560	83.320
18.0	79.637	79.812	80.864	82.326	83.320
18.5	79.227	79.461	80.514	82.092	83.379
19.0	78.818	79.110	80.221	81.917	83.262
19.5	78.409	78.701	79.870	81.683	83.086
20.0	77.999	78.350	79.578	81.391	82.969
20.5	77.590	77.941	79.227	81.157	82.852
21.0	77.122	77.590	78.876	80.923	82.677
21.5	76.713	77.181	78.526	80.631	82.560
22.0	76.304	76.772	78.116	80.397	82.326
22.5	75.836	76.362	77.766	80.104	82.151
23.0	75.368	75.894	77.415	79.812	81.917
23.5	74.901	75.485	77.005	79.461	81.683
24.0	74.433	75.017	76.596	79.169	81.391
24.5	73.965	74.550	76.245	78.818	81.098
25.0	73.439	74.140	75.778	78.526	80.748
25.5	72.913	73.614	75.368	78.116	80.397
26.0	72.445	73.146	74.959	77.766	80.046
26.5	71.919	72.679	74.550	77.356	79.637

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**CANDELA TABULATION - (Cont.)**

27.0	71.392	72.211	74.140	76.947	79.227
27.5	70.866	71.685	73.673	76.538	78.818
28.0	70.281	71.217	73.205	76.128	78.350
28.5	69.755	70.691	72.737	75.661	77.941
29.0	69.229	70.164	72.269	75.251	77.473
29.5	68.703	69.638	71.802	74.784	76.947
30.0	68.118	69.112	71.334	74.374	76.479
30.5	67.533	68.586	70.866	73.907	76.011
31.0	67.007	68.059	70.340	73.439	75.485
31.5	66.422	67.533	69.872	72.913	74.959
32.0	65.896	67.007	69.346	72.445	74.433
32.5	65.311	66.422	68.820	71.977	73.907
33.0	64.727	65.838	68.293	71.451	73.380
33.5	64.142	65.253	67.826	70.983	72.854
34.0	63.557	64.727	67.299	70.515	72.328
34.5	62.914	64.083	66.773	70.106	71.802
35.0	62.329	63.499	66.188	69.638	71.275
35.5	61.686	62.914	65.721	69.229	70.749
36.0	61.043	62.329	65.194	68.761	70.223
36.5	60.400	61.686	64.610	68.235	69.755
37.0	59.757	61.102	64.083	67.767	69.287
37.5	59.114	60.458	63.557	67.241	68.761
38.0	58.470	59.874	63.031	66.715	68.293
38.5	57.827	59.230	62.505	66.305	67.767
39.0	57.126	58.587	61.979	65.838	67.299
39.5	56.482	58.003	61.452	65.370	66.832
40.0	55.781	57.359	60.926	64.785	66.364
40.5	55.138	56.775	60.400	64.259	65.896
41.0	54.436	56.132	59.874	63.674	65.428
41.5	53.734	55.488	59.289	63.206	64.961
42.0	53.033	54.845	58.821	62.680	64.493
42.5	52.331	54.202	58.236	62.212	64.083
43.0	51.629	53.559	57.710	61.745	63.616
43.5	50.928	52.916	57.184	61.277	63.148
44.0	50.168	52.272	56.599	60.809	62.680
44.5	49.407	51.571	56.073	60.283	62.271
45.0	48.706	50.928	55.547	59.815	61.745
45.5	47.946	50.284	54.962	59.347	61.277
46.0	47.186	49.583	54.436	58.880	60.868
46.5	46.367	48.940	53.910	58.353	60.400
47.0	45.607	48.296	53.383	57.886	59.932
47.5	44.847	47.595	52.799	57.418	59.464
48.0	44.028	46.952	52.272	56.950	58.997
48.5	43.268	46.250	51.805	56.482	58.529
49.0	42.391	45.607	51.278	55.956	58.120
49.5	41.572	44.905	50.752	55.488	57.652
50.0	40.754	44.262	50.226	55.021	57.242
50.5	39.935	43.560	49.700	54.553	56.833
51.0	39.117	42.917	49.174	54.085	56.365
51.5	38.240	42.274	48.706	53.617	55.956
52.0	37.421	41.572	48.180	53.208	55.488
52.5	36.602	40.929	47.653	52.740	55.021
53.0	35.784	40.286	47.127	52.272	54.611
53.5	34.965	39.643	46.659	51.805	54.202
54.0	34.147	39.000	46.133	51.395	53.793
54.5	33.328	38.415	45.665	50.928	53.325

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**CANDELA TABULATION - (Cont.)**

55.0	32.510	37.772	45.139	50.460	52.916
55.5	31.632	37.187	44.671	49.992	52.506
56.0	30.814	36.602	44.145	49.583	52.097
56.5	29.995	36.018	43.619	49.115	51.688
57.0	29.118	35.375	43.151	48.706	51.278
57.5	28.300	34.790	42.683	48.238	50.869
58.0	27.481	34.205	42.157	47.829	50.518
58.5	26.662	33.620	41.689	47.419	50.226
59.0	25.844	33.094	41.222	47.010	49.934
59.5	25.025	32.510	40.754	46.601	49.641
60.0	24.265	31.925	40.228	46.309	49.290
60.5	23.447	31.340	39.760	45.958	48.940
61.0	22.686	30.755	39.292	45.607	48.589
61.5	21.985	30.171	38.824	45.256	48.238
62.0	21.283	29.586	38.415	44.964	47.887
62.5	20.640	29.001	37.889	44.613	47.536
63.0	19.997	28.417	37.479	44.262	47.186
63.5	19.412	27.890	36.953	43.911	46.893
64.0	18.827	27.306	36.485	43.560	46.542
64.5	18.243	26.721	36.076	43.210	46.192
65.0	17.775	26.136	35.608	42.859	45.841
65.5	17.249	25.552	35.199	42.508	45.490
66.0	16.723	24.967	34.790	42.157	45.139
66.5	16.255	24.382	34.322	41.806	44.847
67.0	15.787	23.797	33.913	41.397	44.496
67.5	15.378	23.213	33.445	41.046	44.145
68.0	14.910	22.686	33.036	40.695	43.794
68.5	14.442	22.102	32.626	40.403	43.443
69.0	14.033	21.517	32.217	39.994	43.151
69.5	13.624	20.991	31.749	39.643	42.859
70.0	13.214	20.406	31.340	39.292	42.625
70.5	12.863	19.880	30.872	39.000	42.449
71.0	12.571	19.354	30.463	38.707	42.216
71.5	12.220	18.827	30.054	38.473	41.982
72.0	11.928	18.301	29.703	38.298	41.748
72.5	11.577	17.775	29.294	38.064	41.514
73.0	11.226	17.249	28.884	37.830	41.280
73.5	10.875	16.781	28.534	37.596	41.280
74.0	10.583	16.313	28.183	37.421	41.631
74.5	10.232	15.904	27.890	37.363	41.982
75.0	9.940	15.495	27.540	37.538	42.099
75.5	9.589	15.144	27.306	37.830	42.216
76.0	9.238	14.735	27.013	38.123	42.449
76.5	8.946	14.325	26.779	38.357	42.917
77.0	8.712	13.974	26.604	38.766	43.327
77.5	8.420	13.682	26.662	39.175	43.736
78.0	8.127	13.390	26.662	39.643	44.496
78.5	7.835	13.097	26.662	40.169	44.964
79.0	7.543	12.863	26.955	40.754	45.548
79.5	7.309	12.630	27.364	41.397	46.659
80.0	7.075	12.396	27.656	42.274	48.180
80.5	6.841	12.220	28.183	43.560	49.583
81.0	6.607	12.103	28.592	45.022	50.811
81.5	6.373	11.986	29.177	46.484	52.039
82.0	6.139	12.103	30.054	47.829	53.266
82.5	5.964	12.337	30.872	49.115	54.202

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**CANDELA TABULATION - (Cont.)**

83.0	5.789	12.688	31.983	50.343	55.313
83.5	5.613	13.039	33.153	51.629	56.658
84.0	5.496	13.565	34.439	53.266	58.236
84.5	5.438	14.267	36.135	54.904	59.874
85.0	5.438	15.085	37.889	56.716	61.511
85.5	5.438	15.787	39.818	58.763	63.440
86.0	5.496	16.664	41.572	60.985	65.545
86.5	5.496	17.950	43.210	63.148	67.767
87.0	5.613	19.237	44.847	64.902	69.697
87.5	5.847	20.523	46.425	66.305	71.334
88.0	6.081	22.102	48.180	67.767	73.088
88.5	6.490	24.207	50.051	69.697	75.310
89.0	7.133	26.721	52.389	71.860	77.824
89.5	7.777	29.937	55.196	74.491	80.806
90.0	9.180	33.737	58.470	77.649	84.197
90.5	12.630	23.622	27.423	31.983	33.737
91.0	16.313	44.671	32.100	36.953	38.707
91.5	20.231	86.595	36.661	41.631	43.385
92.0	24.791	141.557	41.280	45.958	47.536
92.5	30.580	192.075	49.641	50.460	51.746
93.0	37.304	234.583	73.556	55.313	56.424
93.5	43.911	262.356	125.887	61.218	61.686
94.0	51.337	279.137	194.180	74.550	67.884
94.5	58.938	290.773	262.415	108.346	82.385
95.0	66.656	302.350	326.206	167.518	118.169
95.5	74.433	319.950	390.406	242.009	179.270
96.0	81.917	363.802	453.321	315.155	254.989
96.5	89.810	437.241	508.633	381.227	331.644
97.0	97.762	520.795	547.516	443.673	401.925
97.5	105.831	570.086	566.110	506.587	467.529
98.0	114.193	591.720	578.798	566.168	532.255
98.5	122.612	605.753	594.643	623.294	592.889
99.0	131.149	619.786	627.387	673.578	653.698
99.5	139.335	633.818	681.179	709.245	708.076
100.0	147.871	644.928	756.021	731.464	749.005
100.5	156.408	654.868	847.235	749.590	775.317
101.0	165.062	664.808	947.219	779.410	793.442
101.5	173.832	674.163	1033.171	825.016	815.661
102.0	182.720	683.518	1086.379	885.826	851.328
102.5	191.724	692.874	1112.691	961.837	901.613
103.0	200.670	700.475	1124.969	1053.051	967.099
103.5	209.616	708.661	1134.325	1154.789	1049.543
104.0	218.621	716.262	1144.265	1250.681	1149.527
104.5	227.508	723.863	1154.204	1327.861	1254.773
105.0	236.279	731.464	1165.314	1378.731	1350.665
105.5	244.991	738.480	1175.254	1405.042	1426.676
106.0	253.761	746.082	1183.440	1419.660	1478.130
106.5	262.473	753.098	1190.456	1429.015	1504.442
107.0	271.127	760.114	1197.473	1437.201	1517.890
107.5	279.898	767.716	1203.904	1444.802	1526.076
108.0	288.376	774.732	1209.751	1452.403	1533.677
108.5	296.912	781.748	1215.598	1459.420	1540.109
109.0	305.449	788.765	1221.445	1467.021	1547.125
109.5	314.103	795.781	1227.877	1474.622	1554.142
110.0	322.698	802.798	1233.139	1482.223	1560.573
110.5	331.410	809.229	1238.986	1489.824	1568.174

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**CANDELA TABULATION - (Cont.)**

111.0	339.947	815.661	1243.664	1496.841	1574.606
111.5	348.600	822.678	1248.342	1502.103	1581.623
112.0	357.312	829.109	1251.850	1506.781	1587.470
112.5	366.024	835.541	1255.943	1510.289	1592.147
113.0	374.561	841.388	1260.036	1513.797	1596.240
113.5	383.098	847.235	1263.544	1517.305	1599.164
114.0	391.693	853.082	1267.052	1521.398	1601.503
114.5	400.346	858.929	1270.560	1526.661	1604.426
115.0	408.942	864.192	1274.653	1530.169	1606.180
115.5	417.420	870.039	1278.162	1533.677	1609.104
116.0	425.664	875.301	1281.670	1537.185	1611.443
116.5	433.733	879.979	1285.763	1540.109	1614.366
117.0	441.802	885.241	1289.271	1541.278	1617.290
117.5	449.929	889.919	1292.194	1543.617	1620.798
118.0	457.881	894.011	1295.703	1544.786	1623.137
118.5	465.950	898.689	1298.626	1546.540	1624.891
119.0	473.785	902.782	1301.550	1547.710	1626.060
119.5	481.620	906.875	1304.473	1548.295	1626.645
120.0	489.572	910.968	1306.812	1550.049	1626.645
120.5	497.232	915.061	1309.736	1551.218	1627.230
121.0	504.774	918.569	1312.659	1552.387	1625.475
121.5	512.493	921.493	1314.998	1553.557	1624.891
122.0	520.211	925.001	1317.337	1554.142	1624.306
122.5	527.929	927.924	1319.091	1554.142	1623.721
123.0	535.530	931.432	1320.845	1554.142	1623.137
123.5	543.014	933.771	1322.599	1555.311	1622.552
124.0	550.323	936.695	1323.768	1555.311	1622.552
124.5	557.749	939.034	1325.523	1555.311	1622.552
125.0	565.233	941.372	1326.692	1555.311	1621.967
125.5	572.308	943.711	1327.277	1555.311	1620.798
126.0	579.558	945.465	1327.861	1554.726	1620.798
126.5	586.457	947.804	1328.446	1554.142	1620.213
127.0	593.474	950.143	1329.031	1552.972	1619.628
127.5	600.490	951.897	1329.031	1551.803	1619.044
128.0	606.922	953.651	1329.615	1551.218	1617.290
128.5	613.354	955.405	1329.615	1550.633	1616.120
129.0	619.786	956.575	1329.031	1548.879	1614.366
129.5	626.217	958.329	1327.861	1547.125	1613.197
130.0	632.064	958.914	1327.277	1545.956	1611.443
130.5	638.496	960.083	1326.107	1544.202	1610.858
131.0	644.343	960.668	1324.938	1541.863	1608.519
131.5	649.605	961.837	1322.599	1539.524	1607.350
132.0	655.452	962.422	1321.430	1537.770	1605.011
132.5	661.300	963.006	1319.091	1534.262	1601.503
133.0	666.562	964.176	1316.752	1531.338	1599.164
133.5	671.824	964.176	1314.413	1528.415	1595.071
134.0	677.087	964.176	1312.074	1524.906	1590.978
134.5	682.349	964.761	1308.566	1520.814	1586.885
135.0	687.026	964.761	1305.058	1517.305	1582.207
135.5	692.289	964.761	1302.134	1512.043	1576.945
136.0	696.966	964.761	1298.626	1507.950	1572.267
136.5	701.644	964.176	1295.118	1502.688	1567.005
137.0	706.322	964.176	1292.194	1498.010	1561.743
137.5	710.999	963.591	1288.686	1493.917	1555.896
138.0	715.677	963.591	1284.593	1487.485	1550.633
138.5	720.355	963.591	1279.916	1482.223	1545.956

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : AI3P33-8-L16-835-S-(L8)-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

139.0	724.447	963.006	1275.238	1476.376	1539.524
139.5	729.125	963.006	1271.730	1471.114	1534.262
140.0	733.803	962.422	1267.052	1464.682	1527.830
140.5	737.896	961.837	1262.375	1458.250	1521.398
141.0	742.573	961.252	1257.697	1452.403	1514.966
141.5	746.666	960.668	1253.604	1445.971	1507.950
142.0	751.344	960.083	1248.342	1440.124	1500.934
142.5	755.437	959.498	1244.249	1433.693	1494.502
143.0	760.114	958.914	1240.156	1427.261	1486.901
143.5	764.792	958.329	1235.478	1421.414	1479.884
144.0	769.470	957.744	1231.385	1414.982	1473.453
144.5	773.563	957.159	1226.123	1408.550	1465.267
145.0	777.656	956.575	1222.030	1402.119	1457.666
145.5	782.333	956.575	1217.352	1396.272	1450.064
146.0	786.426	955.405	1212.675	1389.840	1442.463
146.5	790.519	954.236	1207.997	1382.824	1434.862
147.0	794.612	953.651	1203.320	1375.807	1427.846
147.5	798.705	953.067	1198.642	1368.791	1419.660
148.0	802.798	952.482	1192.795	1361.774	1411.474
148.5	806.891	951.312	1187.533	1354.758	1404.458
149.0	810.984	950.728	1182.270	1347.157	1396.856
149.5	814.492	949.558	1177.593	1339.555	1388.671
150.0	818.585	948.974	1171.746	1331.954	1380.485
150.5	822.678	948.974	1167.068	1323.768	1371.129
151.0	826.771	947.804	1161.221	1315.583	1362.359
151.5	830.864	947.219	1155.374	1306.812	1353.588
152.0	834.372	947.219	1150.112	1299.211	1344.233
152.5	838.465	946.635	1144.265	1290.440	1335.463
153.0	842.558	946.050	1138.417	1281.670	1325.523
153.5	846.066	945.465	1133.155	1272.315	1314.998
154.0	850.159	945.465	1129.062	1263.544	1305.058
154.5	854.252	945.465	1123.215	1254.189	1293.364
155.0	857.760	944.881	1117.953	1244.834	1283.424
155.5	861.853	944.881	1113.860	1236.063	1272.315
156.0	865.361	944.296	1107.428	1227.292	1261.205
156.5	868.869	944.296	1101.581	1217.937	1251.850
157.0	872.377	944.296	1095.149	1208.582	1241.325
157.5	875.886	944.296	1089.302	1199.811	1230.801
158.0	879.394	944.881	1083.455	1190.456	1220.861
158.5	882.902	944.881	1077.608	1181.686	1210.921
159.0	886.410	944.881	1071.761	1172.915	1202.150
159.5	889.334	944.296	1065.914	1164.144	1192.210
160.0	892.842	944.296	1059.483	1155.374	1182.270
160.5	895.766	944.296	1053.636	1146.019	1172.330
161.0	898.689	944.881	1047.788	1140.172	1162.975
161.5	901.613	944.881	1043.696	1131.986	1153.035
162.0	904.536	945.465	1038.433	1122.631	1143.680
162.5	907.460	945.465	1034.925	1113.860	1134.909
163.0	910.383	945.465	1029.663	1104.505	1126.723
163.5	913.307	945.465	1024.400	1095.149	1116.783
164.0	915.646	946.050	1019.138	1086.964	1106.259
164.5	918.569	946.050	1013.876	1078.193	1096.319
165.0	920.908	946.635	1009.198	1070.007	1086.379
165.5	923.831	947.219	1004.520	1061.821	1077.024
166.0	926.170	947.219	999.843	1054.220	1067.668
166.5	928.509	947.804	995.750	1046.034	1058.313

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AI3P33-8-L16-835-S-(L8)-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

167.0	930.848	948.389	992.242	1040.187	1048.958
167.5	933.187	948.974	988.149	1033.171	1040.772
168.0	934.941	949.558	985.225	1027.324	1036.679
168.5	937.280	949.558	981.717	1020.307	1028.493
169.0	939.034	950.143	978.793	1013.291	1020.307
169.5	940.788	950.728	975.870	1006.859	1012.122
170.0	942.542	951.312	973.531	1000.427	1004.520
170.5	944.296	951.897	971.192	994.580	997.504
171.0	945.465	952.482	969.438	989.318	991.072
171.5	947.219	953.067	967.684	984.641	985.225
172.0	948.389	953.067	965.930	980.548	979.378
172.5	949.558	953.651	964.176	976.455	974.701
173.0	950.728	954.236	963.006	972.946	970.023
173.5	951.897	954.821	961.252	969.438	966.515
174.0	953.067	954.821	960.083	967.099	963.006
174.5	953.651	955.405	958.914	964.761	959.498
175.0	954.821	955.405	958.329	962.422	957.159
175.5	955.405	955.990	957.159	960.083	954.236
176.0	955.990	955.990	956.575	958.329	951.897
176.5	956.575	956.575	955.990	957.159	950.143
177.0	957.159	956.575	955.405	955.405	948.974
177.5	957.159	957.159	955.405	954.821	947.219
178.0	957.744	957.159	954.821	953.651	946.635
178.5	957.744	957.159	954.821	953.067	945.465
179.0	958.329	957.159	954.821	953.067	944.881
179.5	958.329	957.159	954.821	952.482	944.881
180.0	954.236	954.236	954.236	954.236	954.236



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AI3P33-8-L16-835-S-(L8)-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	31.40	N.A.	0.50
0-30	66.55	N.A.	1.00
0-40	108.19	N.A.	1.70
0-60	190.38	N.A.	3.00
0-80	253.09	N.A.	3.90
0-90	293.77	N.A.	4.60
10-90	285.67	N.A.	4.40
20-40	76.79	N.A.	1.20
20-50	119.53	N.A.	1.90
40-70	116.04	N.A.	1.80
60-80	62.72	N.A.	1.00
70-80	28.87	N.A.	0.40
80-90	40.68	N.A.	0.60
90-110	1308.94	N.A.	20.30
90-120	2466.48	N.A.	38.30
90-130	3566.99	N.A.	55.40
90-150	5256.43	N.A.	81.70
90-180	6143.45	N.A.	95.40
110-180	4834.5	N.A.	75.10
0-180	6437.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	8.10
10-20	23.30
20-30	35.15
30-40	41.63
40-50	42.74
50-60	39.45
60-70	33.84
70-80	28.87
80-90	40.68
90-100	301.68
100-110	1007.27
110-120	1157.54
120-130	1100.51
130-140	951.18
140-150	738.26
150-160	507.82
160-170	287.25
170-180	91.95

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AI3P33-8-L16-835-S-(L8)-DIM-UNV\_.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	96	96	96	96	83	83	83	83	58	58	58	35	35	35	14	14	14	5
1	87	83	80	76	75	72	69	66	50	48	47	30	30	29	12	12	12	3
2	79	73	67	62	68	63	58	54	44	41	39	27	25	24	11	10	10	3
3	72	64	57	51	62	55	49	45	39	35	32	23	22	20	9	9	8	2
4	66	56	49	43	56	48	42	38	34	30	27	21	19	17	8	8	7	2
5	60	50	42	37	52	43	37	32	30	26	23	18	16	14	7	7	6	2
6	55	44	37	31	47	38	32	27	27	23	20	17	14	12	7	6	5	1
7	51	40	32	27	44	34	28	24	24	20	17	15	13	11	6	5	4	1
8	47	36	28	24	40	31	25	21	22	18	15	13	11	9	6	5	4	1
9	44	32	25	21	37	28	22	18	20	16	13	12	10	8	5	4	3	1
10	40	29	23	18	35	25	20	16	18	14	12	11	9	7	5	4	3	1

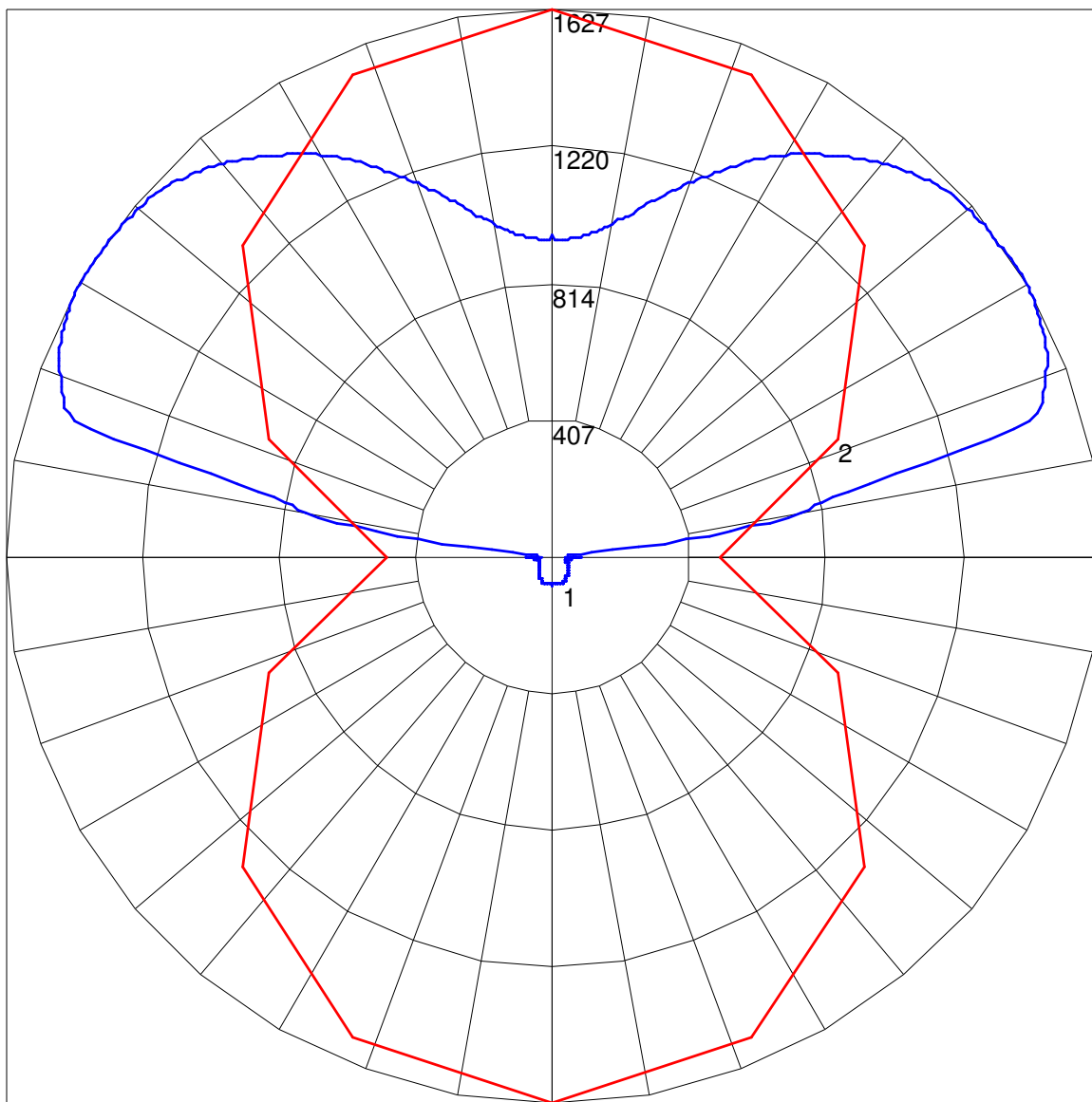
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : AI3P33-8-L16-835-S-(L8)-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	3H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	4H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	6H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	8H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	12H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
4H	2H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	3H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	4H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	6H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	8H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	12H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
8H	4H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	6H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	8H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	12H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
12H	4H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	6H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	8H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5

Maximum UGR = 6.5

POLAR GRAPH



Maximum Candela = 1627.23 Located At Horizontal Angle = 90, Vertical Angle = 120.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (120.5) (Through Max. Cd.)