



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AI3P33-8-L16-835-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Gen from UL 13320192.02

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 19-May-2020

[MANUFAC] H E Williams Inc

[LUMCAT] AI3P33-8-L16/835-S-DIM-UNV

[LUMINAIRE] Formed steel white housing with frosted lens

[LAMP] HLM LED

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12506
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	102.6
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
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.63 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	237	259	309
55	188	249	319
65	122	246	358
75	97	265	455
85	107	473	837

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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	118.545	118.545	118.545	118.545	118.545
0.5	125.488	128.864	122.920	109.701	98.384
1.0	125.536	128.769	122.254	109.225	95.483
1.5	125.536	128.341	121.874	108.179	91.156
2.0	125.298	128.151	121.303	107.276	88.921
2.5	125.060	127.580	120.543	106.610	87.970
3.0	124.870	126.915	119.734	105.944	88.683
3.5	124.680	126.249	118.831	105.516	91.013
4.0	124.299	125.631	117.975	105.088	93.676
4.5	124.061	125.108	117.119	104.613	96.719
5.0	123.824	124.632	116.406	104.137	100.000
5.5	123.443	124.109	115.550	103.852	102.663
6.0	123.205	123.681	114.361	103.567	102.901
6.5	122.825	122.968	113.220	103.329	102.283
7.0	122.587	121.969	112.031	103.139	102.093
7.5	121.969	121.113	110.937	102.996	101.998
8.0	121.636	119.924	109.844	103.377	102.045
8.5	121.113	118.736	108.702	104.518	102.093
9.0	120.685	117.452	107.466	105.279	102.806
9.5	119.924	116.168	106.135	105.944	106.135
10.0	119.211	114.979	105.469	106.610	109.939
10.5	118.498	113.695	104.756	107.466	113.648
11.0	117.927	112.459	104.137	108.560	116.786
11.5	117.024	111.223	103.709	109.986	119.639
12.0	116.263	109.939	103.519	111.223	122.207
12.5	115.597	108.797	103.139	112.839	123.966
13.0	114.979	107.561	102.996	114.551	125.678
13.5	114.599	106.420	103.139	116.120	126.962
14.0	114.218	105.564	103.472	117.832	130.386
14.5	113.885	104.518	103.757	119.782	133.905
15.0	113.172	103.329	104.328	121.399	137.328
15.5	112.649	102.188	105.421	123.253	140.134
16.0	112.316	100.809	106.420	124.965	142.369
16.5	111.983	99.572	107.609	126.819	144.128
17.0	111.651	98.384	108.560	128.769	144.984
17.5	111.223	97.195	109.558	130.576	144.794
18.0	110.176	96.196	110.557	132.050	144.413
18.5	109.511	95.388	111.651	133.144	143.700
19.0	108.702	94.627	112.697	134.095	142.559
19.5	107.942	94.009	113.600	134.475	141.893
20.0	107.133	93.343	114.456	134.523	141.941
20.5	106.325	92.678	115.312	134.285	141.751
21.0	105.707	92.059	116.073	134.000	141.560
21.5	105.231	91.679	116.643	133.714	141.418
22.0	104.708	91.299	117.119	133.334	140.799
22.5	104.328	91.061	117.214	133.096	139.944
23.0	103.805	90.775	117.357	132.621	139.135
23.5	103.281	90.538	117.262	132.098	138.469
24.0	102.996	90.443	117.166	131.670	137.804
24.5	102.568	90.300	117.071	131.147	136.995
25.0	102.045	90.585	116.786	130.528	136.187
25.5	101.665	90.585	116.501	129.815	135.474
26.0	101.284	90.728	116.120	129.292	134.475
26.5	100.999	91.061	115.835	128.531	133.857

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CANDELA TABULATION - (Cont.)

27.0	100.856	91.346	115.407	128.103	133.001
27.5	100.714	91.774	115.027	127.438	132.335
28.0	100.476	92.012	114.456	126.819	131.527
28.5	99.953	92.107	114.028	126.344	130.814
29.0	99.477	92.202	113.553	125.488	129.910
29.5	98.954	92.250	113.077	124.727	128.912
30.0	98.574	92.440	112.554	123.871	128.008
30.5	98.098	92.725	112.078	122.968	127.247
31.0	97.718	93.010	111.413	122.017	126.296
31.5	97.338	93.343	110.652	121.113	125.345
32.0	96.957	93.533	109.939	120.210	124.489
32.5	96.339	93.486	109.178	119.211	123.443
33.0	96.101	93.581	108.417	118.213	122.587
33.5	95.578	93.724	107.656	117.309	121.636
34.0	95.293	93.629	106.848	116.358	120.875
34.5	95.103	93.533	105.849	115.360	120.115
35.0	94.817	93.248	104.851	114.456	119.069
35.5	94.627	92.963	103.852	113.600	118.213
36.0	94.294	92.630	102.901	112.554	117.357
36.5	93.914	92.250	101.903	111.651	116.406
37.0	93.629	91.679	100.904	110.652	115.550
37.5	93.296	91.156	100.000	109.748	114.599
38.0	92.963	90.443	98.954	108.750	113.648
38.5	92.630	89.587	98.146	107.894	112.887
39.0	92.345	88.826	97.147	106.895	111.793
39.5	91.822	87.875	96.196	105.944	110.937
40.0	90.871	86.924	95.150	105.088	110.176
40.5	89.967	85.878	94.199	104.090	109.225
41.0	88.778	84.832	93.201	103.139	108.369
41.5	87.542	83.785	92.107	102.188	107.466
42.0	86.211	82.644	91.203	101.284	106.658
42.5	84.879	81.503	90.062	100.333	105.802
43.0	83.595	80.267	89.159	99.382	104.946
43.5	82.264	79.221	88.208	98.526	104.090
44.0	80.885	77.984	87.162	97.575	103.329
44.5	79.411	76.843	86.258	96.672	102.426
45.0	77.984	75.654	85.212	95.816	101.475
45.5	76.700	74.465	84.261	94.865	100.619
46.0	75.321	73.324	83.310	93.914	99.715
46.5	74.037	72.183	82.264	93.058	99.049
47.0	72.754	70.994	81.408	92.154	98.098
47.5	71.375	69.853	80.362	91.203	97.147
48.0	70.043	68.712	79.363	90.395	96.339
48.5	68.759	67.523	78.460	89.539	95.483
49.0	67.475	66.382	77.461	88.636	94.675
49.5	66.001	65.288	76.510	87.732	93.914
50.0	64.527	64.147	75.654	86.924	93.010
50.5	63.101	62.958	74.656	86.020	92.202
51.0	61.722	61.769	73.752	85.164	91.536
51.5	60.343	60.675	72.801	84.261	90.585
52.0	58.916	59.582	71.850	83.453	89.729
52.5	57.442	58.393	70.851	82.502	89.016
53.0	56.015	57.252	69.948	81.693	88.208
53.5	54.589	56.253	69.092	80.885	87.447
54.0	53.115	55.207	68.189	79.934	86.639
54.5	51.593	54.018	67.238	79.173	85.830

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CANDELA TABULATION - (Cont.)

55.0	50.119	52.972	66.287	78.317	85.117
55.5	48.597	51.926	65.383	77.509	84.213
56.0	47.171	50.880	64.432	76.653	83.500
56.5	45.697	49.786	63.529	75.892	82.739
57.0	44.223	48.693	62.578	74.988	81.931
57.5	42.796	47.694	61.627	74.228	81.218
58.0	41.275	46.695	60.723	73.467	80.552
58.5	39.848	45.649	59.820	72.611	79.791
59.0	38.421	44.651	58.916	71.803	78.983
59.5	37.042	43.700	58.013	70.994	78.127
60.0	35.711	42.654	57.109	70.328	77.461
60.5	34.332	41.655	56.158	69.520	76.795
61.0	33.001	40.751	55.397	68.759	76.082
61.5	31.669	39.753	54.446	68.046	75.369
62.0	30.385	38.802	53.590	67.285	74.608
62.5	29.149	37.851	52.734	66.429	73.942
63.0	27.960	36.852	51.831	65.716	73.277
63.5	26.914	35.949	51.023	64.955	72.516
64.0	25.868	34.998	50.072	64.147	71.803
64.5	24.869	33.999	49.263	63.433	71.137
65.0	24.013	33.143	48.360	62.720	70.328
65.5	23.110	32.145	47.504	61.959	69.615
66.0	22.206	31.241	46.648	61.151	68.997
66.5	21.398	30.243	45.792	60.343	68.189
67.0	20.637	29.339	44.936	59.582	67.380
67.5	19.734	28.436	44.033	58.821	66.572
68.0	18.973	27.485	43.224	57.965	65.811
68.5	18.260	26.534	42.368	57.157	65.098
69.0	17.689	25.630	41.512	56.348	64.337
69.5	17.118	24.727	40.704	55.635	63.576
70.0	16.595	23.823	39.848	54.779	62.815
70.5	16.120	22.920	39.040	53.971	62.007
71.0	15.644	22.064	38.231	53.115	61.246
71.5	15.169	21.208	37.423	52.402	60.438
72.0	14.693	20.400	36.615	51.498	59.629
72.5	14.218	19.591	35.806	50.690	58.773
73.0	13.695	18.783	35.093	49.881	58.013
73.5	13.172	18.022	34.285	49.025	57.252
74.0	12.649	17.309	33.476	48.169	56.443
74.5	12.173	16.643	32.715	47.314	55.540
75.0	11.650	15.977	31.907	46.505	54.732
75.5	11.127	15.359	31.146	45.649	53.923
76.0	10.604	14.741	30.433	44.841	53.067
76.5	10.128	14.170	29.720	43.985	52.211
77.0	9.653	13.647	29.006	43.129	51.403
77.5	9.177	13.172	28.245	42.273	50.500
78.0	8.702	12.696	27.485	41.370	49.691
78.5	8.274	12.268	26.867	40.561	48.788
79.0	7.846	11.840	26.201	39.705	47.979
79.5	7.418	11.507	25.535	38.849	47.076
80.0	7.085	11.127	24.917	37.994	46.267
80.5	6.705	10.842	24.299	37.090	44.413
81.0	6.372	10.556	23.728	35.568	42.083
81.5	6.039	10.271	23.110	33.666	39.753
82.0	5.706	10.033	22.539	31.669	37.328
82.5	5.421	9.843	21.731	29.767	34.760

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CANDELA TABULATION - (Cont.)

83.0	5.136	9.653	20.970	27.913	32.240
83.5	4.945	9.463	20.114	26.534	31.051
84.0	4.708	9.368	19.448	26.486	32.097
84.5	4.517	9.320	19.163	27.437	33.381
85.0	4.327	9.415	19.163	28.483	33.904
85.5	4.185	9.510	19.401	28.911	33.952
86.0	4.137	9.653	19.734	28.769	33.857
86.5	4.042	9.796	19.686	27.913	32.192
87.0	3.947	9.891	19.544	26.343	29.577
87.5	3.994	10.176	19.496	25.107	27.675
88.0	4.042	11.412	20.400	25.725	28.150
88.5	4.089	12.696	22.016	28.864	32.287
89.0	4.375	14.979	24.536	32.858	36.377
89.5	6.752	18.878	27.485	36.377	39.896
90.0	12.363	24.204	30.908	39.991	43.700
90.5	17.356	34.094	35.045	43.842	47.742
91.0	24.584	81.931	40.276	47.504	51.118
91.5	35.806	158.441	46.458	51.593	54.684
92.0	49.548	247.124	54.351	56.919	59.154
92.5	62.863	364.148	65.240	63.766	64.765
93.0	77.128	450.739	87.399	72.421	72.230
93.5	92.012	514.981	149.169	85.735	82.121
94.0	107.181	561.106	260.867	107.133	98.146
94.5	122.445	618.167	405.851	137.281	121.303
95.0	137.756	708.990	563.483	190.966	153.876
95.5	153.115	811.701	702.333	289.302	202.997
96.0	168.760	925.349	825.016	434.477	297.101
96.5	183.643	1014.270	937.712	600.098	438.471
97.0	199.002	1082.744	1062.297	757.017	610.084
97.5	214.789	1137.428	1201.622	891.587	767.478
98.0	230.957	1169.763	1338.094	1025.207	906.328
98.5	247.552	1188.308	1473.140	1164.532	1033.766
99.0	263.767	1201.622	1614.368	1316.696	1162.630
99.5	280.505	1223.496	1755.120	1483.602	1312.417
100.0	298.337	1246.796	1883.984	1667.150	1487.406
100.5	315.028	1265.816	1991.450	1850.222	1681.891
101.0	332.051	1285.788	2073.714	2014.750	1878.278
101.5	348.646	1309.564	2133.628	2152.649	2068.007
102.0	366.050	1331.437	2179.278	2267.247	2227.780
102.5	383.882	1349.982	2210.186	2386.601	2357.120
103.0	401.571	1366.625	2232.535	2500.725	2476.473
103.5	419.070	1380.891	2251.556	2603.435	2586.792
104.0	435.856	1394.205	2267.723	2684.273	2701.391
104.5	452.403	1408.470	2281.988	2742.285	2796.969
105.0	469.760	1423.687	2300.533	2781.753	2873.527
105.5	485.975	1437.952	2315.274	2807.431	2927.735
106.0	502.142	1452.693	2331.917	2826.451	2970.532
106.5	518.785	1466.959	2345.707	2844.521	3000.965
107.0	534.952	1480.748	2359.497	2862.590	3021.887
107.5	551.595	1494.538	2369.958	2880.184	3037.104
108.0	568.714	1507.853	2383.748	2898.254	3055.649
108.5	585.832	1522.594	2398.014	2914.421	3067.536
109.0	602.951	1535.908	2411.328	2929.162	3087.508
109.5	618.643	1548.271	2425.118	2941.525	3102.249
110.0	636.237	1561.110	2437.957	2953.889	3118.892
110.5	652.880	1573.474	2447.943	2968.154	3134.108

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CANDELA TABULATION - (Cont.)

111.0	666.194	1586.788	2456.502	2979.566	3147.898
111.5	682.362	1600.102	2465.061	2990.028	3161.688
112.0	698.529	1612.466	2472.669	2998.587	3175.953
112.5	713.270	1623.878	2478.375	3003.342	3188.792
113.0	728.962	1634.339	2485.508	3014.279	3195.925
113.5	745.129	1647.178	2490.263	3021.887	3203.058
114.0	760.821	1656.213	2498.347	3028.544	3212.092
114.5	777.464	1667.625	2504.053	3035.677	3213.043
115.0	794.583	1679.038	2511.661	3043.761	3216.848
115.5	809.799	1688.548	2518.319	3052.320	3224.931
116.0	825.967	1699.009	2523.549	3055.649	3230.637
116.5	841.183	1708.519	2531.157	3057.551	3243.001
117.0	857.351	1717.554	2538.290	3058.977	3245.854
117.5	871.616	1726.589	2544.947	3059.928	3258.217
118.0	887.308	1733.722	2553.982	3060.879	3261.546
118.5	903.000	1743.232	2556.360	3060.404	3264.399
119.0	918.216	1749.413	2563.017	3064.683	3262.972
119.5	933.433	1756.546	2569.198	3062.781	3261.070
120.0	948.649	1765.581	2573.003	3064.683	3259.644
120.5	963.865	1771.287	2577.282	3067.061	3252.511
121.0	978.131	1777.944	2582.988	3067.061	3249.658
121.5	994.298	1783.650	2585.841	3067.061	3250.609
122.0	1009.039	1789.832	2589.646	3069.914	3245.854
122.5	1022.354	1795.538	2593.925	3068.487	3244.903
123.0	1038.046	1800.293	2596.778	3068.487	3245.378
123.5	1050.884	1805.049	2601.533	3069.438	3251.085
124.0	1064.674	1811.230	2602.484	3067.536	3252.036
124.5	1078.464	1815.510	2606.288	3068.012	3252.987
125.0	1090.828	1820.265	2607.240	3067.061	3249.658
125.5	1105.093	1823.594	2608.666	3067.061	3243.952
126.0	1116.505	1827.873	2608.666	3066.110	3237.770
126.5	1130.295	1831.677	2605.813	3065.159	3230.162
127.0	1141.232	1835.006	2608.191	3064.683	3223.980
127.5	1155.973	1837.859	2608.191	3060.879	3217.799
128.0	1166.434	1839.286	2609.142	3056.124	3213.994
128.5	1178.798	1844.516	2607.715	3057.551	3208.288
129.0	1193.538	1845.943	2606.764	3052.795	3204.484
129.5	1203.524	1850.222	2602.484	3049.942	3199.729
130.0	1214.937	1850.222	2599.631	3047.565	3193.072
130.5	1227.775	1850.698	2599.631	3042.810	3186.415
131.0	1238.712	1853.551	2596.778	3039.006	3176.904
131.5	1249.173	1853.075	2591.072	3034.250	3167.870
132.0	1261.061	1855.928	2587.743	3029.020	3156.457
132.5	1270.572	1856.879	2582.513	3020.461	3148.374
133.0	1281.508	1857.355	2576.807	3016.181	3135.059
133.5	1292.921	1856.404	2572.052	3007.146	3126.500
134.0	1301.955	1857.355	2565.870	3000.965	3115.563
134.5	1311.466	1858.306	2560.164	2991.454	3109.382
135.0	1320.500	1857.831	2554.458	2980.993	3101.298
135.5	1330.486	1856.404	2546.849	2972.434	3096.543
136.0	1339.521	1856.879	2540.668	2962.923	3085.606
136.5	1349.507	1855.928	2534.010	2954.364	3077.522
137.0	1358.542	1854.977	2526.878	2943.427	3070.389
137.5	1366.150	1855.453	2515.941	2932.491	3057.551
138.0	1375.185	1852.600	2505.480	2922.029	3047.089
138.5	1383.268	1853.551	2500.249	2910.141	3037.104

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CANDELA TABULATION - (Cont.)

139.0	1393.254	1852.600	2489.788	2895.876	3022.363
139.5	1400.387	1850.698	2482.655	2885.415	3009.999
140.0	1409.897	1849.271	2473.145	2870.198	2995.258
140.5	1419.407	1849.271	2463.159	2859.737	2982.895
141.0	1427.015	1845.467	2455.551	2848.800	2970.532
141.5	1436.050	1846.418	2447.943	2835.010	2957.217
142.0	1444.609	1845.467	2439.383	2824.074	2940.574
142.5	1453.644	1842.139	2427.971	2810.284	2924.407
143.0	1460.777	1841.188	2419.412	2797.920	2912.995
143.5	1469.812	1839.286	2408.950	2784.606	2893.974
144.0	1478.846	1837.859	2399.916	2772.243	2878.758
144.5	1485.504	1836.432	2391.356	2758.453	2865.919
145.0	1494.063	1836.432	2382.797	2744.663	2850.227
145.5	1502.147	1834.530	2374.713	2732.775	2840.241
146.0	1510.706	1833.579	2362.826	2716.608	2826.451
146.5	1520.692	1831.202	2353.315	2704.244	2814.088
147.0	1525.922	1831.202	2343.330	2691.405	2800.298
147.5	1533.055	1828.824	2334.295	2678.091	2786.508
148.0	1541.139	1826.922	2324.785	2664.777	2771.292
148.5	1548.271	1826.447	2312.897	2650.036	2755.124
149.0	1558.257	1826.922	2301.960	2633.868	2739.908
149.5	1565.865	1826.447	2290.548	2619.127	2725.167
150.0	1571.572	1825.020	2281.037	2604.386	2705.671
150.5	1580.131	1822.167	2272.003	2589.646	2692.356
151.0	1586.788	1820.740	2259.164	2572.527	2674.762
151.5	1595.347	1820.265	2250.129	2556.835	2656.217
152.0	1600.102	1818.838	2237.290	2539.717	2638.623
152.5	1607.235	1819.314	2225.402	2523.074	2619.603
153.0	1614.843	1817.412	2215.417	2506.431	2598.680
153.5	1622.451	1815.034	2204.480	2487.886	2578.709
154.0	1628.158	1815.510	2191.165	2470.292	2558.262
154.5	1634.815	1815.985	2179.278	2453.173	2537.815
155.0	1640.045	1815.985	2168.816	2434.628	2516.416
155.5	1645.752	1814.083	2156.928	2417.034	2495.969
156.0	1651.458	1814.559	2145.992	2399.916	2475.047
156.5	1658.590	1812.657	2134.104	2378.993	2452.698
157.0	1662.870	1812.657	2121.740	2361.399	2432.251
157.5	1668.576	1813.132	2108.902	2343.805	2409.426
158.0	1673.807	1810.755	2097.489	2324.309	2389.930
158.5	1678.562	1811.230	2085.126	2307.191	2370.909
159.0	1681.415	1809.328	2072.287	2289.121	2350.462
159.5	1688.072	1809.328	2061.350	2271.527	2329.540
160.0	1690.925	1807.426	2050.889	2252.031	2310.044
160.5	1696.156	1807.902	2039.477	2232.060	2291.023
161.0	1700.436	1806.475	2028.540	2216.368	2273.429
161.5	1703.764	1806.475	2020.456	2197.347	2252.507
162.0	1708.519	1805.524	2009.519	2179.753	2232.060
162.5	1713.274	1804.573	1999.533	2161.684	2213.514
163.0	1717.079	1804.098	1989.548	2143.614	2192.116
163.5	1719.456	1803.622	1979.562	2123.642	2173.571
164.0	1723.736	1802.195	1968.150	2108.426	2150.271
164.5	1727.064	1801.720	1959.115	2089.881	2133.153
165.0	1730.393	1800.769	1948.654	2074.665	2110.804
165.5	1733.722	1800.769	1938.668	2058.973	2093.210
166.0	1737.526	1798.867	1929.633	2042.330	2074.189
166.5	1739.903	1798.867	1919.647	2029.491	2055.644

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CANDELA TABULATION - (Cont.)

167.0	1741.805	1797.916	1910.613	2015.701	2039.477
167.5	1747.036	1796.965	1903.004	2000.485	2023.309
168.0	1749.889	1796.489	1892.543	1985.268	2006.191
168.5	1751.791	1796.014	1884.459	1971.954	1992.401
169.0	1754.644	1796.014	1876.376	1957.688	1975.282
169.5	1758.448	1794.587	1869.243	1942.947	1959.115
170.0	1759.875	1794.112	1861.635	1929.158	1943.898
170.5	1763.679	1792.685	1852.600	1915.368	1928.206
171.0	1766.532	1793.161	1846.418	1901.102	1914.417
171.5	1766.532	1792.685	1839.286	1888.263	1899.200
172.0	1771.287	1791.259	1832.628	1876.851	1884.459
172.5	1772.238	1790.783	1826.922	1863.537	1869.718
173.0	1774.616	1790.783	1822.643	1853.551	1856.879
173.5	1777.469	1791.734	1816.461	1844.041	1843.565
174.0	1776.993	1790.308	1811.706	1833.104	1831.677
174.5	1778.420	1789.832	1808.377	1825.496	1822.167
175.0	1781.748	1789.832	1805.524	1818.838	1810.755
175.5	1782.224	1789.357	1801.720	1810.279	1804.573
176.0	1783.175	1789.832	1799.342	1806.000	1798.391
176.5	1782.699	1788.881	1796.014	1802.195	1792.685
177.0	1784.126	1787.455	1794.587	1796.014	1786.504
177.5	1786.028	1788.406	1792.685	1794.112	1782.224
178.0	1784.126	1788.881	1790.308	1790.308	1779.371
178.5	1788.406	1787.930	1789.357	1788.881	1775.567
179.0	1785.552	1787.930	1789.832	1786.028	1775.091
179.5	1786.028	1788.406	1786.979	1785.552	1774.140
180.0	1785.077	1785.077	1785.077	1785.077	1785.077

IES INDOOR REPORT
PHOTOMETRIC FILENAME : AI3P33-8-L16-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	43.09	N.A.	0.30
0-30	95.83	N.A.	0.80
0-40	161.30	N.A.	1.30
0-60	287.52	N.A.	2.30
0-80	368.81	N.A.	2.90
0-90	391.50	N.A.	3.10
10-90	380.75	N.A.	3.00
20-40	118.21	N.A.	0.90
20-50	185.07	N.A.	1.50
40-70	173.66	N.A.	1.40
60-80	81.29	N.A.	0.70
70-80	33.85	N.A.	0.30
80-90	22.69	N.A.	0.20
90-110	2660.61	N.A.	21.30
90-120	4947.27	N.A.	39.60
90-130	7109.2	N.A.	56.80
90-150	10402.61	N.A.	83.20
90-180	12114.11	N.A.	96.90
110-180	9453.5	N.A.	75.60
0-180	12505.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	10.75
10-20	32.35
20-30	52.73
30-40	65.47
40-50	66.86
50-60	59.36
60-70	47.44
70-80	33.85
80-90	22.69
90-100	583.48
100-110	2077.13
110-120	2286.67
120-130	2161.92
130-140	1857.17
140-150	1436.24
150-160	985.30
160-170	552.33
170-180	173.87

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : AI3P33-8-L16-835-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	190	190	190	190	163	163	163	163	113	113	113	68	68	68	26	26	26	6
1	173	165	158	151	148	142	136	131	99	95	92	59	57	56	22	22	21	5
2	157	144	133	123	135	124	115	107	86	81	76	52	49	46	20	19	18	4
3	143	126	113	102	122	108	98	89	76	69	63	45	42	39	17	16	15	3
4	131	111	97	86	112	96	84	75	67	59	54	40	36	33	15	14	13	3
5	119	98	83	73	102	85	73	63	59	52	46	36	31	28	14	12	11	2
6	109	87	73	62	94	76	63	54	53	45	39	32	28	24	12	11	10	2
7	101	78	64	54	86	68	56	47	48	40	34	29	24	21	11	10	8	2
8	93	71	56	47	80	61	49	41	43	35	30	26	22	18	10	8	7	2
9	86	64	50	41	74	55	44	36	39	31	26	24	19	16	9	8	6	2
10	80	58	45	36	69	50	39	32	36	28	23	22	17	14	8	7	6	1

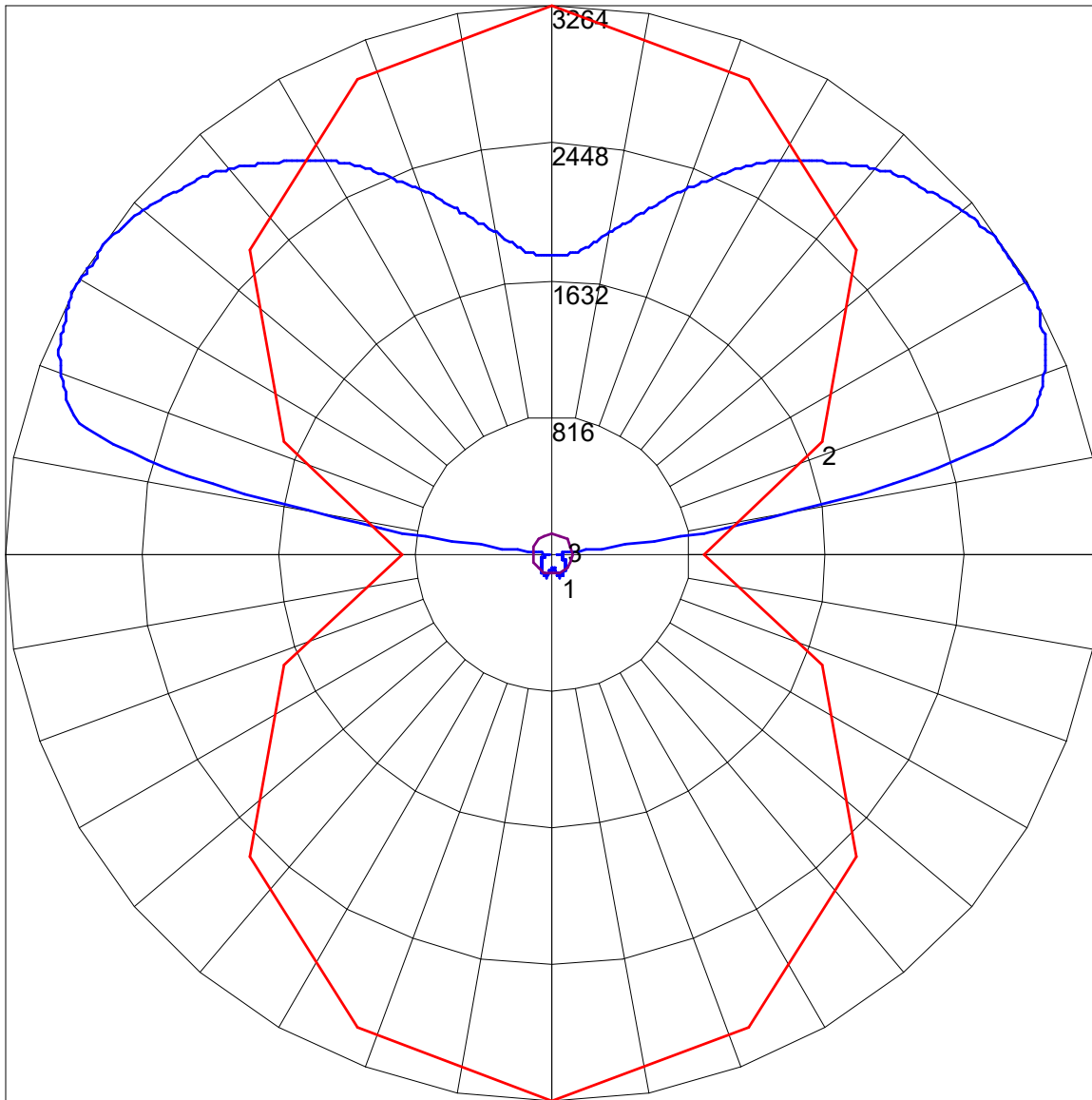
IES INDOOR REPORT
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UGR TABLE - CORRECTED

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	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	3H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	4H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	6H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	8H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	12H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
4H	2H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	3H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	4H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	6H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	8H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	12H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
8H	4H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	6H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	8H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	12H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
12H	4H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	6H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	8H	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4

Maximum UGR = 6.4

POLAR GRAPH



Maximum Candela = 3264.399 Located At Horizontal Angle = 90, Vertical Angle = 118.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (118.5) (Through Max. Cd.)
3 - Horizontal Cone Through Vertical Angle (0)