



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L50-935-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM 12099782.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 29-SEP-2022
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] 75S-4-L50-935-DIM-UNV
 [LUMINAIRE] White formed steel housing, frosted plastic lens enclosure
 [LAMP] 112 white LEDs
 [OTHER] 25.2 C, 119.951 V, 0.361682 A, 43.2111 W, 0.996014 PF, 59.9979
 [MORE] Hz
 [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	3998
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	30.51
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.71 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14516	11703	11107
55	12390	9855	9839
65	10170	8319	9015
75	7927	7070	8055
85	5366	6056	6879

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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	1322.913	1322.913	1322.913	1322.913	1322.913
0.5	1334.481	1325.635	1317.468	1323.593	1316.107
1.0	1335.162	1325.635	1316.788	1322.232	1316.788
1.5	1334.481	1324.954	1316.788	1322.913	1316.107
2.0	1335.162	1324.954	1316.788	1322.232	1315.427
2.5	1333.120	1324.274	1315.427	1322.232	1315.427
3.0	1332.440	1323.593	1315.427	1320.871	1315.427
3.5	1333.120	1322.232	1314.066	1321.552	1315.427
4.0	1331.079	1321.552	1313.385	1320.191	1314.066
4.5	1330.398	1320.191	1312.705	1319.510	1314.066
5.0	1328.357	1318.830	1312.024	1318.149	1311.344
5.5	1327.676	1317.468	1309.983	1317.468	1312.024
6.0	1324.274	1315.427	1308.622	1315.427	1309.983
6.5	1323.593	1314.066	1307.261	1314.066	1309.983
7.0	1322.232	1312.024	1305.219	1312.705	1306.580
7.5	1318.830	1310.663	1303.858	1311.344	1305.219
8.0	1317.468	1308.622	1301.136	1308.622	1303.178
8.5	1314.746	1305.900	1299.775	1307.261	1301.817
9.0	1312.705	1303.858	1296.373	1304.539	1298.414
9.5	1309.302	1301.136	1295.012	1302.497	1296.373
10.0	1307.261	1298.414	1292.290	1299.775	1295.012
10.5	1303.858	1295.692	1290.248	1297.053	1290.929
11.0	1301.136	1292.290	1286.165	1294.331	1288.887
11.5	1297.734	1289.568	1283.443	1290.929	1285.484
12.0	1294.331	1286.165	1280.040	1287.526	1282.082
12.5	1291.609	1282.762	1277.999	1284.804	1279.360
13.0	1286.846	1280.040	1273.235	1280.721	1275.277
13.5	1283.443	1275.277	1269.833	1276.638	1271.874
14.0	1280.040	1271.874	1265.750	1273.235	1267.791
14.5	1274.596	1267.111	1261.667	1268.472	1263.028
15.0	1271.194	1263.708	1257.584	1264.389	1259.625
15.5	1265.750	1258.945	1253.500	1260.306	1254.862
16.0	1261.667	1254.862	1248.737	1256.223	1250.778
16.5	1257.584	1249.417	1244.654	1250.778	1246.015
17.0	1252.139	1244.654	1239.210	1246.015	1241.932
17.5	1246.695	1239.890	1234.446	1241.251	1236.488
18.0	1241.932	1233.766	1229.683	1235.807	1231.044
18.5	1235.807	1229.002	1224.239	1231.044	1224.919
19.0	1229.683	1223.558	1218.794	1225.600	1220.155
19.5	1224.919	1218.114	1213.350	1219.475	1214.031
20.0	1218.794	1211.989	1207.906	1213.350	1209.267
20.5	1213.350	1205.865	1201.101	1207.226	1202.462
21.0	1206.545	1199.740	1195.657	1201.101	1196.338
21.5	1200.421	1193.616	1188.852	1194.977	1188.852
22.0	1193.616	1186.810	1182.727	1187.491	1183.408
22.5	1187.491	1180.005	1176.603	1181.366	1175.922
23.0	1180.005	1173.200	1169.798	1173.881	1169.117
23.5	1173.200	1166.395	1162.993	1167.076	1162.993
24.0	1165.715	1158.910	1155.507	1160.271	1154.826
24.5	1158.229	1152.104	1148.702	1153.465	1147.341
25.0	1151.424	1145.299	1141.216	1145.299	1138.494
25.5	1143.938	1137.814	1133.731	1137.814	1133.050
26.0	1135.772	1128.967	1125.565	1129.648	1123.523
26.5	1127.606	1122.162	1118.079	1122.162	1116.718

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CANDELA TABULATION - (Cont.)

27.0	1120.120	1113.996	1109.913	1113.315	1108.552
27.5	1111.274	1105.830	1102.427	1106.510	1100.386
28.0	1103.108	1097.664	1094.261	1096.983	1091.539
28.5	1094.261	1089.497	1085.414	1089.497	1084.053
29.0	1085.414	1079.970	1077.248	1079.970	1075.207
29.5	1076.568	1071.804	1068.402	1071.804	1067.041
30.0	1067.721	1062.958	1060.235	1062.958	1058.194
30.5	1059.555	1054.111	1050.708	1054.111	1050.028
31.0	1049.347	1044.584	1042.542	1045.264	1040.501
31.5	1040.501	1036.418	1033.015	1036.418	1032.335
32.0	1031.654	1026.210	1024.168	1027.571	1023.488
32.5	1021.446	1017.363	1015.322	1018.724	1013.961
33.0	1011.919	1007.836	1006.475	1009.197	1005.114
33.5	1001.712	998.990	996.948	1000.351	995.587
34.0	992.184	988.782	988.782	990.823	987.421
34.5	981.977	979.255	978.574	981.977	977.894
35.0	971.769	968.367	969.047	972.450	970.408
35.5	961.561	958.839	960.200	963.603	958.839
36.0	952.034	949.312	949.993	954.076	950.673
36.5	941.827	938.424	940.466	944.549	941.146
37.0	930.258	928.216	930.258	935.022	932.299
37.5	920.731	918.009	920.050	925.494	922.772
38.0	909.162	907.121	910.523	916.648	913.926
38.5	898.954	896.913	900.315	907.121	904.399
39.0	888.066	886.705	890.788	897.593	895.552
39.5	876.498	876.498	880.581	888.066	886.705
40.0	865.609	865.609	870.373	878.539	877.178
40.5	854.041	854.721	860.165	869.693	868.332
41.0	843.153	844.514	850.638	859.485	858.804
41.5	832.264	833.625	840.431	849.958	850.638
42.0	820.696	822.737	830.903	841.111	841.111
42.5	809.127	812.530	820.015	830.903	832.264
43.0	797.558	800.961	810.488	822.057	822.737
43.5	786.670	790.073	800.280	812.530	814.571
44.0	775.102	779.185	790.753	803.002	805.725
44.5	764.213	768.977	779.865	794.156	796.878
45.0	752.645	757.408	770.338	784.629	788.031
45.5	741.757	746.520	760.130	775.782	779.865
46.0	730.188	734.951	750.603	766.935	771.018
46.5	718.619	724.744	739.715	758.089	762.852
47.0	707.050	713.175	730.188	748.562	755.367
47.5	695.482	702.287	720.661	740.396	746.520
48.0	684.594	690.718	710.453	731.549	739.034
48.5	672.617	679.966	700.245	723.383	730.188
49.0	661.388	668.942	690.718	714.536	724.063
49.5	649.411	658.122	681.191	706.370	715.217
50.0	637.570	647.370	671.528	698.204	707.731
50.5	626.138	636.277	661.524	689.357	700.245
51.0	615.386	625.321	651.929	681.872	692.760
51.5	603.545	614.909	642.606	673.637	685.955
52.0	592.180	604.225	632.807	665.539	677.925
52.5	580.952	593.814	623.756	657.101	670.915
53.0	569.587	583.402	614.433	649.956	663.702
53.5	558.767	572.922	605.450	642.130	656.284
54.0	547.811	562.510	595.787	634.372	649.411
54.5	536.651	552.234	586.872	626.682	642.538

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55.0	525.967	541.754	577.958	619.265	635.393
55.5	514.874	531.751	568.907	611.779	628.724
56.0	504.531	521.747	559.856	604.021	621.919
56.5	493.847	511.472	551.146	596.808	615.454
57.0	483.163	501.672	542.095	589.799	608.649
57.5	472.615	491.941	533.997	582.585	601.844
58.0	462.543	481.801	525.286	575.099	595.787
58.5	452.199	472.002	516.576	568.430	589.050
59.0	441.515	462.339	508.409	561.353	582.653
59.5	431.444	452.880	499.971	554.616	576.188
60.0	420.964	443.080	491.941	547.539	570.268
60.5	410.824	433.621	483.571	541.142	563.871
61.0	400.617	424.503	475.473	533.997	557.951
61.5	390.477	414.907	467.239	527.464	551.009
62.0	380.473	405.720	459.549	520.659	545.293
62.5	370.946	396.942	451.587	514.058	538.624
63.0	360.739	387.823	443.761	507.185	532.295
63.5	351.212	378.704	436.071	500.788	526.171
64.0	341.752	369.994	428.654	493.983	519.978
64.5	332.293	361.487	420.760	487.109	513.241
65.0	323.038	352.913	413.274	480.849	507.048
65.5	313.851	344.406	405.652	474.112	500.720
66.0	304.665	335.968	398.439	467.511	494.323
66.5	295.614	327.598	391.157	460.774	487.654
67.0	286.835	319.636	383.808	454.241	480.985
67.5	278.057	311.402	376.663	447.232	474.724
68.0	269.346	303.440	369.517	440.903	468.259
68.5	260.772	295.410	362.440	434.098	461.318
69.0	252.265	287.584	355.431	427.565	454.717
69.5	244.099	279.962	348.558	420.828	447.980
70.0	235.797	272.136	341.616	414.363	440.971
70.5	227.699	264.719	334.879	407.422	434.506
71.0	219.805	257.097	328.210	401.161	427.837
71.5	211.775	249.952	321.609	394.424	420.896
72.0	204.017	242.602	315.076	388.095	413.682
72.5	196.191	235.525	308.475	381.154	406.945
73.0	188.706	228.447	302.351	374.961	400.072
73.5	181.084	221.642	295.750	368.156	392.927
74.0	173.734	214.973	289.489	361.555	386.258
74.5	166.589	208.236	283.160	355.022	379.317
75.0	159.444	201.635	277.172	348.353	372.171
75.5	152.366	195.307	270.911	341.889	365.366
76.0	145.493	188.910	264.855	335.288	358.425
76.5	138.756	182.853	258.934	328.687	351.552
77.0	132.223	176.592	253.014	322.290	344.747
77.5	125.690	170.672	247.161	315.825	338.078
78.0	119.294	164.752	241.377	309.428	330.932
78.5	113.033	158.967	235.593	303.099	324.263
79.0	106.908	153.251	229.808	296.703	317.322
79.5	100.852	147.467	224.296	290.578	310.789
80.0	94.999	142.023	218.716	284.249	303.644
80.5	89.283	136.578	213.136	277.989	297.247
81.0	83.567	131.202	207.692	271.796	290.578
81.5	78.055	125.894	202.452	265.535	284.113
82.0	72.542	120.791	197.008	259.615	277.512
82.5	67.234	115.687	191.904	253.558	270.843

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83.0	61.995	110.651	186.800	247.502	264.583
83.5	56.823	105.819	181.628	241.513	258.050
84.0	51.855	100.988	176.592	235.661	251.789
84.5	46.955	96.224	171.693	229.740	245.324
85.0	42.124	91.733	166.793	223.888	239.131
85.5	37.360	87.173	161.893	218.172	233.075
86.0	32.733	82.682	157.130	212.523	227.018
86.5	28.241	78.327	152.298	206.875	221.166
87.0	23.750	73.972	147.603	201.295	215.450
87.5	19.395	69.752	143.043	196.055	209.597
88.0	15.107	65.465	138.416	190.679	204.153
88.5	10.820	61.382	134.333	185.847	198.777
89.0	6.533	57.843	130.590	181.356	194.218
89.5	2.314	55.121	127.596	177.477	189.999
90.0	0.136	52.876	124.738	173.666	185.779
90.5	0.000	50.970	122.084	170.196	181.969
91.0	0.000	49.745	119.838	166.861	178.226
91.5	0.000	49.065	118.341	164.071	175.027
92.0	0.000	48.929	117.048	161.825	172.169
92.5	0.000	48.793	116.095	159.784	169.923
93.0	0.000	48.657	115.278	158.015	167.474
93.5	0.000	48.520	114.666	156.245	165.432
94.0	0.000	48.316	113.917	154.680	163.595
94.5	0.000	48.112	113.101	153.319	161.757
95.0	0.000	47.908	112.420	151.822	160.124
95.5	0.000	47.772	111.740	150.325	158.355
96.0	0.000	47.568	110.991	148.964	156.654
96.5	0.000	47.364	110.311	147.671	155.088
97.0	0.000	47.091	109.630	146.378	153.727
97.5	0.000	46.955	108.882	145.221	152.230
98.0	0.000	46.751	108.133	143.928	150.801
98.5	0.000	46.547	107.453	142.771	149.576
99.0	0.000	46.343	106.772	141.546	148.283
99.5	0.000	46.139	106.092	140.389	146.990
100.0	0.000	45.934	105.343	139.369	145.697
100.5	0.000	45.662	104.594	138.348	144.608
101.0	0.000	45.526	103.982	137.191	143.588
101.5	0.000	45.322	103.302	136.238	142.363
102.0	0.000	45.050	102.553	135.081	141.274
102.5	0.000	44.846	101.940	134.197	140.321
103.0	0.000	44.573	101.260	133.176	139.301
103.5	0.000	44.369	100.579	132.427	138.280
104.0	0.000	44.165	99.899	131.407	137.395
104.5	0.000	43.893	99.218	130.590	136.442
105.0	0.000	43.621	98.538	129.637	135.626
105.5	0.000	43.417	97.994	128.889	134.741
106.0	0.000	43.212	97.313	128.072	133.993
106.5	0.000	42.940	96.701	127.324	133.108
107.0	0.000	42.668	96.088	126.507	132.427
107.5	0.000	42.396	95.476	125.758	131.679
108.0	0.000	42.124	94.863	125.010	130.862
108.5	0.000	41.919	94.251	124.125	130.182
109.0	0.000	41.647	93.570	123.445	129.433
109.5	0.000	41.375	93.026	122.764	128.685
110.0	0.000	41.103	92.345	121.947	128.004
110.5	0.000	40.831	91.733	121.199	127.324

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111.0	0.000	40.558	91.120	120.518	126.507
111.5	0.000	40.286	90.508	119.702	125.963
112.0	0.000	40.014	89.827	119.021	125.214
112.5	0.000	39.742	89.215	118.341	124.465
113.0	0.000	39.470	88.602	117.592	123.921
113.5	0.000	39.129	87.922	116.844	123.172
114.0	0.000	38.857	87.378	116.095	122.560
114.5	0.000	38.517	86.629	115.347	121.879
115.0	0.000	38.245	86.017	114.598	121.199
115.5	0.000	37.972	85.404	113.917	120.586
116.0	0.000	37.632	84.724	113.169	119.838
116.5	0.000	37.292	83.975	112.352	119.225
117.0	0.000	36.952	83.363	111.604	118.477
117.5	0.000	36.611	82.682	110.923	117.660
118.0	0.000	36.339	82.002	110.107	117.048
118.5	0.000	35.931	81.253	109.290	116.163
119.0	0.000	35.591	80.572	108.473	115.483
119.5	0.000	35.250	79.892	107.725	114.598
120.0	0.000	34.774	79.143	106.908	113.849
120.5	0.000	34.298	78.463	106.024	113.101
121.0	0.000	33.821	77.714	105.275	112.284
121.5	0.000	33.345	76.966	104.322	111.468
122.0	0.000	32.801	76.285	103.506	110.583
122.5	0.000	32.188	75.469	102.553	109.834
123.0	0.000	31.644	74.720	101.736	108.950
123.5	0.000	31.031	73.972	100.784	108.065
124.0	0.000	30.555	73.223	99.899	107.180
124.5	0.000	30.011	72.406	98.946	106.296
125.0	0.000	29.534	71.658	97.994	105.275
125.5	0.000	28.990	70.773	97.041	104.458
126.0	0.000	28.513	69.888	96.088	103.438
126.5	0.000	27.969	68.868	95.067	102.621
127.0	0.000	27.425	67.847	94.115	101.464
127.5	0.000	26.880	66.758	93.094	100.579
128.0	0.000	26.404	65.737	92.073	99.491
128.5	0.000	25.859	64.649	91.120	98.402
129.0	0.000	25.383	63.492	90.032	97.381
129.5	0.000	24.839	62.471	89.079	96.360
130.0	0.000	24.362	61.382	87.990	95.203
130.5	0.000	23.886	60.361	86.833	94.183
131.0	0.000	23.410	59.272	85.880	93.026
131.5	0.000	22.933	58.184	84.792	91.869
132.0	0.000	22.457	57.095	83.635	90.780
132.5	0.000	22.049	56.074	82.614	89.623
133.0	0.000	21.640	55.053	81.525	88.466
133.5	0.000	21.232	54.101	80.368	87.378
134.0	0.000	20.824	53.012	79.279	86.153
134.5	0.000	20.415	51.991	78.191	85.064
135.0	0.000	20.075	50.970	77.102	83.907
135.5	0.000	19.735	49.949	75.945	82.818
136.0	0.000	19.327	48.861	74.788	81.593
136.5	0.000	18.986	47.704	73.631	80.436
137.0	0.000	18.578	46.615	72.542	79.279
137.5	0.000	18.238	45.526	71.386	78.123
138.0	0.000	17.897	44.505	70.229	76.898
138.5	0.000	17.489	43.553	69.140	75.741

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	0.000	17.081	42.668	67.915	74.584
139.5	0.000	16.741	41.783	66.758	73.291
140.0	0.000	16.332	40.967	65.601	72.134
140.5	0.000	15.992	40.150	64.308	70.909
141.0	0.000	15.652	39.265	62.947	69.616
141.5	0.000	15.380	38.449	61.654	68.459
142.0	0.000	15.039	37.632	60.293	67.234
142.5	0.000	14.767	36.748	58.864	66.010
143.0	0.000	14.427	35.863	57.435	64.853
143.5	0.000	14.087	34.978	56.074	63.560
144.0	0.000	13.814	34.094	54.713	62.403
144.5	0.000	13.406	33.209	53.284	61.178
145.0	0.000	13.134	32.324	51.923	60.021
145.5	0.000	12.726	31.440	50.562	58.796
146.0	0.000	12.385	30.623	49.269	57.571
146.5	0.000	11.977	29.806	47.908	56.346
147.0	0.000	11.637	28.922	46.615	55.189
147.5	0.000	11.160	28.105	45.322	53.964
148.0	0.000	10.820	27.288	44.029	52.808
148.5	0.000	10.412	26.540	42.668	51.583
149.0	0.000	10.004	25.791	41.171	50.426
149.5	0.000	9.663	25.179	39.742	49.201
150.0	0.000	9.323	24.498	38.381	47.976
150.5	0.000	8.915	23.886	37.224	46.751
151.0	0.000	8.642	23.342	36.135	45.594
151.5	0.000	8.302	22.729	34.978	44.437
152.0	0.000	7.962	22.185	33.753	43.212
152.5	0.000	7.690	21.572	32.733	42.056
153.0	0.000	7.350	21.028	31.576	40.899
153.5	0.000	7.077	20.415	30.487	39.742
154.0	0.000	6.805	19.871	29.466	38.517
154.5	0.000	6.533	19.327	28.445	37.428
155.0	0.000	6.261	18.714	27.425	36.271
155.5	0.000	5.920	18.170	26.540	34.978
156.0	0.000	5.716	17.557	25.587	33.821
156.5	0.000	5.444	17.013	24.634	32.733
157.0	0.000	5.172	16.400	23.750	31.508
157.5	0.000	4.900	15.856	22.865	30.283
158.0	0.000	4.627	15.243	22.049	29.126
158.5	0.000	4.355	14.699	21.232	28.037
159.0	0.000	4.083	14.087	20.347	26.948
159.5	0.000	3.811	13.542	19.599	25.859
160.0	0.000	3.607	12.930	18.850	24.703
160.5	0.000	3.335	12.249	18.034	23.614
161.0	0.068	3.130	11.637	17.285	22.729
161.5	0.000	2.858	11.024	16.536	21.980
162.0	0.068	2.654	10.412	15.788	21.028
162.5	0.068	2.450	9.799	15.039	20.007
163.0	0.000	2.246	9.187	14.291	19.190
163.5	0.068	2.042	8.642	13.542	18.374
164.0	0.068	1.837	8.030	12.794	17.489
164.5	0.068	1.633	7.486	12.045	16.673
165.0	0.000	1.429	7.009	11.365	15.856
165.5	0.068	1.293	6.465	10.616	14.971
166.0	0.000	1.157	5.988	9.867	14.155
166.5	0.068	0.953	5.512	9.187	13.270

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	0.000	0.817	5.104	8.506	12.453
167.5	0.000	0.681	4.627	7.758	11.637
168.0	0.000	0.544	4.151	7.077	10.820
168.5	0.068	0.408	3.743	6.397	10.004
169.0	0.000	0.340	3.335	5.716	9.187
169.5	0.068	0.272	2.926	5.104	7.962
170.0	0.000	0.204	2.586	4.491	6.193
170.5	0.068	0.204	2.314	3.879	5.580
171.0	0.068	0.136	1.973	3.335	4.423
171.5	0.000	0.068	1.633	2.790	2.450
172.0	0.000	0.068	1.361	2.314	1.973
172.5	0.000	0.000	1.089	1.905	1.701
173.0	0.000	0.000	0.817	1.565	1.361
173.5	0.000	0.000	0.544	1.225	1.089
174.0	0.000	0.000	0.408	0.953	0.749
174.5	0.000	0.000	0.272	0.749	0.408
175.0	0.000	0.000	0.136	0.544	0.340
175.5	0.000	0.000	0.068	0.340	0.204
176.0	0.000	0.000	0.000	0.136	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-4-L50-935-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	480.99	N.A.	12.00
0-30	1007.31	N.A.	25.20
0-40	1613.62	N.A.	40.40
0-60	2728.31	N.A.	68.20
0-80	3430.21	N.A.	85.80
0-90	3601.59	N.A.	90.10
10-90	3476.47	N.A.	87.00
20-40	1132.63	N.A.	28.30
20-50	1727.6	N.A.	43.20
40-70	1526.93	N.A.	38.20
60-80	701.90	N.A.	17.60
70-80	289.66	N.A.	7.20
80-90	171.38	N.A.	4.30
90-110	197.78	N.A.	4.90
90-120	272.10	N.A.	6.80
90-130	328.52	N.A.	8.20
90-150	385.70	N.A.	9.60
90-180	396.33	N.A.	9.90
110-180	198.55	N.A.	5.00
0-180	3997.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.12
10-20	355.87
20-30	526.32
30-40	606.31
40-50	594.98
50-60	519.71
60-70	412.24
70-80	289.66
80-90	171.38
90-100	107.71
100-110	90.07
110-120	74.32
120-130	56.42
130-140	36.96
140-150	20.22
150-160	8.39
160-170	2.14
170-180	0.09

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-4-L50-935-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	87	87	87	87	84	84	84	84	79	79	79	74	74	74	69	69	69	67
1	79	75	71	68	76	72	69	66	68	65	63	64	62	60	60	58	57	55
2	71	65	60	55	69	63	58	54	59	55	52	56	52	50	52	50	47	45
3	65	57	51	46	63	55	50	45	52	47	43	49	45	42	46	43	40	38
4	60	51	44	39	57	49	43	38	46	41	37	44	39	36	41	38	35	33
5	55	45	39	34	53	44	38	33	42	36	32	39	35	31	37	33	30	28
6	51	41	34	30	49	40	34	29	38	32	28	36	31	27	34	30	27	25
7	47	37	31	26	45	36	30	26	34	29	25	33	28	24	31	27	24	22
8	44	34	28	23	42	33	27	23	31	26	22	30	25	22	29	24	21	20
9	41	31	25	21	40	30	25	21	29	24	20	28	23	20	26	22	19	18
10	38	29	23	19	37	28	23	19	27	22	18	26	21	18	25	21	18	16

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-4-L50-935-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

X=2H	Y=2H	18.9	20.3	19.4	20.9	21.4	21.1	22.6	21.6	23.1	23.6
	3H	20.2	21.5	20.7	22.0	22.6	23.6	24.9	24.1	25.4	26.0
	4H	20.6	21.8	21.2	22.4	23.0	24.7	26.0	25.3	26.5	27.1
	6H	20.8	22.0	21.4	22.5	23.1	25.9	27.0	26.4	27.6	28.2
	8H	20.9	22.0	21.5	22.6	23.2	26.5	27.5	27.0	28.1	28.7
	12H	20.9	22.0	21.5	22.5	23.2	27.1	28.1	27.6	28.7	29.3

UGR Viewed Endwise

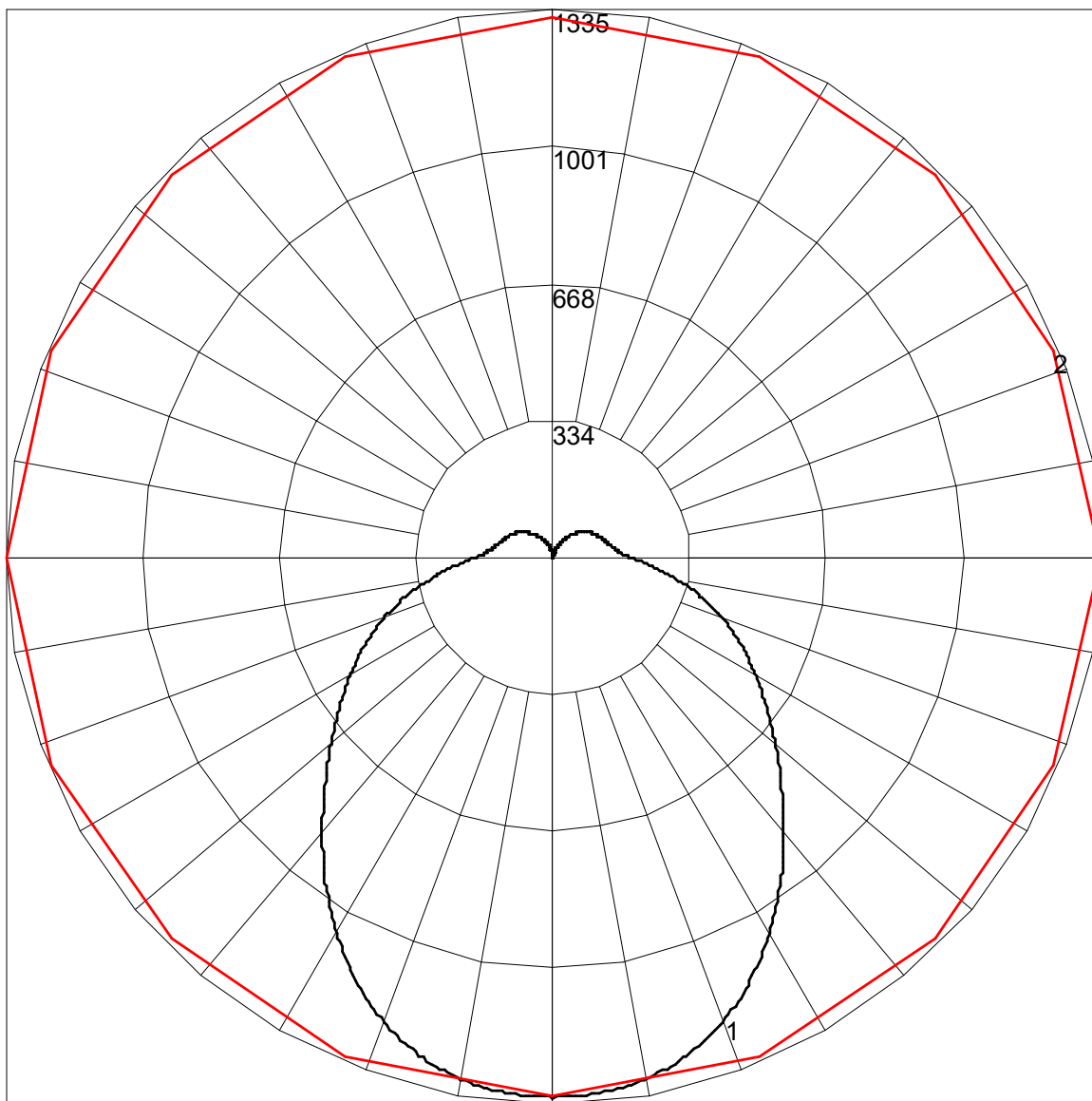
4H	2H	19.7	20.9	20.3	21.5	22.1	21.5	22.7	22.0	23.3	23.9
	3H	21.2	22.3	21.8	22.9	23.5	24.2	25.2	24.7	25.8	26.4
	4H	21.8	22.7	22.3	23.3	24.0	25.5	26.4	26.1	27.0	27.7
	6H	22.1	23.0	22.7	23.6	24.2	26.8	27.7	27.4	28.3	28.9
	8H	22.2	23.0	22.8	23.6	24.3	27.5	28.3	28.1	28.9	29.6
	12H	22.3	23.0	22.9	23.6	24.3	28.2	28.9	28.8	29.6	30.2

8H	4H	22.4	23.2	23.0	23.8	24.5	25.6	26.4	26.2	27.0	27.7
	6H	22.9	23.6	23.6	24.3	24.9	27.1	27.8	27.8	28.4	29.1
	8H	23.1	23.7	23.8	24.4	25.1	27.9	28.5	28.6	29.2	29.9
	12H	23.2	23.8	23.9	24.4	25.2	28.8	29.4	29.5	30.0	30.8

12H	4H	22.6	23.3	23.2	23.9	24.6	25.6	26.3	26.3	27.0	27.7
	6H	23.2	23.8	23.9	24.4	25.2	27.2	27.8	27.8	28.4	29.1
	8H	23.5	24.0	24.1	24.6	25.4	28.0	28.5	28.7	29.2	30.0

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 1335.162 Located At Horizontal Angle = 0, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)