



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-WG-75-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM 12099782.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 17 JUL, 2024
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] 75S-4-L50-940-(L32)-WG-75-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	2885
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	20.7
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	10477	8446	8016
55	8942	7113	7101
65	7340	6004	6506
75	5721	5102	5813
85	3873	4371	4965

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-WG-75-DIM-UNV_.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	954.793	954.793	954.793	954.793	954.793
0.5	963.143	956.758	950.864	955.285	949.882
1.0	963.634	956.758	950.373	954.302	950.373
1.5	963.143	956.267	950.373	954.793	949.882
2.0	963.634	956.267	950.373	954.302	949.391
2.5	962.161	955.776	949.391	954.302	949.391
3.0	961.670	955.285	949.391	953.320	949.391
3.5	962.161	954.302	948.409	953.811	949.391
4.0	960.687	953.811	947.917	952.829	948.409
4.5	960.196	952.829	947.426	952.338	948.409
5.0	958.723	951.847	946.935	951.355	946.444
5.5	958.231	950.864	945.462	950.864	946.935
6.0	955.776	949.391	944.479	949.391	945.462
6.5	955.285	948.409	943.497	948.409	945.462
7.0	954.302	946.935	942.024	947.426	943.006
7.5	951.847	945.953	941.041	946.444	942.024
8.0	950.864	944.479	939.077	944.479	940.550
8.5	948.900	942.515	938.094	943.497	939.568
9.0	947.426	941.041	935.639	941.532	937.112
9.5	944.970	939.077	934.656	940.059	935.639
10.0	943.497	937.112	932.692	938.094	934.656
10.5	941.041	935.147	931.218	936.130	931.709
11.0	939.077	932.692	928.271	934.165	930.236
11.5	936.621	930.727	926.307	931.709	927.780
12.0	934.165	928.271	923.851	929.254	925.325
12.5	932.201	925.816	922.378	927.289	923.360
13.0	928.763	923.851	918.940	924.342	920.413
13.5	926.307	920.413	916.484	921.395	917.957
14.0	923.851	917.957	913.537	918.940	915.010
14.5	919.922	914.519	910.590	915.502	911.572
15.0	917.466	912.063	907.643	912.555	909.117
15.5	913.537	908.625	904.696	909.608	905.679
16.0	910.590	905.679	901.258	906.661	902.732
16.5	907.643	901.749	898.311	902.732	899.294
17.0	903.714	898.311	894.382	899.294	896.347
17.5	899.785	894.873	890.944	895.856	892.418
18.0	896.347	890.453	887.506	891.926	888.488
18.5	891.926	887.015	883.577	888.488	884.068
19.0	887.506	883.086	879.648	884.559	880.630
19.5	884.068	879.157	875.718	880.139	876.210
20.0	879.648	874.736	871.789	875.718	872.772
20.5	875.718	870.316	866.878	871.298	867.860
21.0	870.807	865.895	862.949	866.878	863.440
21.5	866.387	861.475	858.037	862.457	858.037
22.0	861.475	856.564	853.617	857.055	854.108
22.5	857.055	851.652	849.196	852.634	848.705
23.0	851.652	846.741	844.285	847.232	843.794
23.5	846.741	841.829	839.373	842.320	839.373
24.0	841.338	836.427	833.971	837.409	833.480
24.5	835.935	831.515	829.059	832.497	828.077
25.0	831.024	826.604	823.657	826.604	821.692
25.5	825.621	821.201	818.254	821.201	817.763
26.0	819.727	814.816	812.360	815.307	810.887
26.5	813.834	809.905	806.958	809.905	805.975

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27.0	808.431	804.011	801.064	803.520	800.082
27.5	802.046	798.117	795.661	798.608	794.188
28.0	796.152	792.223	789.767	791.732	787.803
28.5	789.767	786.329	783.382	786.329	782.400
29.0	783.382	779.453	777.489	779.453	776.015
29.5	776.998	773.560	771.104	773.560	770.121
30.0	770.613	767.175	765.210	767.175	763.737
30.5	764.719	760.790	758.334	760.790	757.843
31.0	757.352	753.914	752.440	754.405	750.967
31.5	750.967	748.020	745.564	748.020	745.073
32.0	744.582	740.653	739.179	741.635	738.688
32.5	737.214	734.268	732.794	735.250	731.812
33.0	730.338	727.392	726.409	728.374	725.427
33.5	722.971	721.007	719.533	721.989	718.551
34.0	716.095	713.639	713.639	715.113	712.657
34.5	708.728	706.763	706.272	708.728	705.781
35.0	701.361	698.905	699.396	701.852	700.378
35.5	693.993	692.029	693.011	695.467	692.029
36.0	687.117	685.153	685.644	688.591	686.135
36.5	679.750	677.294	678.768	681.715	679.259
37.0	671.401	669.927	671.401	674.839	672.874
37.5	664.524	662.560	664.033	667.962	665.998
38.0	656.175	654.701	657.157	661.578	659.613
38.5	648.808	647.334	649.790	654.701	652.737
39.0	640.949	639.967	642.914	647.825	646.352
39.5	632.600	632.600	635.547	640.949	639.967
40.0	624.741	624.741	628.179	634.073	633.091
40.5	616.392	616.883	620.812	627.688	626.706
41.0	608.533	609.516	613.936	620.321	619.830
41.5	600.675	601.657	606.569	613.445	613.936
42.0	592.326	593.799	599.693	607.060	607.060
42.5	583.976	586.432	591.834	599.693	600.675
43.0	575.626	578.082	584.958	593.308	593.799
43.5	567.768	570.224	577.591	586.432	587.905
44.0	559.419	562.365	570.715	579.556	581.520
44.5	551.560	554.998	562.857	573.171	575.135
45.0	543.211	546.649	555.981	566.295	568.750
45.5	535.352	538.790	548.613	559.910	562.857
46.0	527.003	530.441	541.737	553.525	556.472
46.5	518.653	523.074	533.879	547.140	550.578
47.0	510.304	514.724	527.003	540.264	545.175
47.5	501.954	506.866	520.127	534.370	538.790
48.0	494.096	498.516	512.759	527.985	533.388
48.5	485.452	490.756	505.392	522.091	527.003
49.0	477.348	482.799	498.516	515.706	522.582
49.5	468.703	474.990	491.640	509.813	516.197
50.0	460.157	467.230	484.666	503.919	510.795
50.5	451.906	459.224	477.446	497.534	505.392
51.0	444.146	451.317	470.521	492.131	499.990
51.5	435.600	443.802	463.792	486.188	495.078
52.0	427.398	436.091	456.719	480.344	489.283
52.5	419.294	428.577	450.187	474.253	484.224
53.0	411.092	421.062	443.458	469.096	479.018
53.5	403.282	413.498	436.975	463.448	473.664
54.0	395.375	405.984	430.001	457.849	468.703
54.5	387.320	398.567	423.567	452.299	463.743

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55.0	379.609	391.004	417.133	446.945	458.586
55.5	371.603	383.784	410.600	441.543	453.772
56.0	364.138	376.564	404.068	435.944	448.861
56.5	356.427	369.147	397.781	430.738	444.195
57.0	348.716	362.075	391.249	425.679	439.284
57.5	341.103	355.052	385.405	420.473	434.372
58.0	333.834	347.733	379.118	415.070	430.001
58.5	326.368	340.661	372.831	410.257	425.138
59.0	318.657	333.687	366.937	405.149	420.522
59.5	311.388	326.860	360.847	400.286	415.856
60.0	303.825	319.787	355.052	395.178	411.583
60.5	296.507	312.960	349.010	390.562	406.966
61.0	289.139	306.379	343.166	385.405	402.693
61.5	281.821	299.453	337.223	380.689	397.683
62.0	274.601	292.823	331.673	375.778	393.558
62.5	267.725	286.487	325.926	371.014	388.744
63.0	260.358	279.906	320.278	366.053	384.177
63.5	253.482	273.324	314.728	361.436	379.756
64.0	246.655	267.038	309.375	356.525	375.287
64.5	239.828	260.898	303.677	351.564	370.424
65.0	233.148	254.710	298.275	347.046	365.955
65.5	226.518	248.570	292.774	342.183	361.387
66.0	219.887	242.480	287.568	337.419	356.771
66.5	213.355	236.439	282.312	332.557	351.957
67.0	207.019	230.693	277.008	327.842	347.144
67.5	200.683	224.750	271.851	322.783	342.625
68.0	194.397	219.003	266.694	318.215	337.960
68.5	188.208	213.208	261.586	313.304	332.950
69.0	182.069	207.560	256.527	308.589	328.186
69.5	176.175	202.059	251.566	303.726	323.323
70.0	170.183	196.410	246.557	299.061	318.264
70.5	164.338	191.057	241.694	294.051	313.599
71.0	158.641	185.556	236.881	289.532	308.785
71.5	152.846	180.399	232.117	284.670	303.776
72.0	147.246	175.095	227.402	280.102	298.569
72.5	141.598	169.987	222.638	275.092	293.707
73.0	136.196	164.879	218.217	270.623	288.746
73.5	130.695	159.967	213.453	265.712	283.589
74.0	125.390	155.154	208.935	260.947	278.776
74.5	120.233	150.292	204.367	256.232	273.766
75.0	115.076	145.527	200.045	251.419	268.609
75.5	109.968	140.960	195.526	246.753	263.698
76.0	105.008	136.343	191.155	241.989	258.688
76.5	100.145	131.972	186.882	237.225	253.728
77.0	95.430	127.453	182.609	232.608	248.816
77.5	90.715	123.180	178.385	227.942	244.003
78.0	86.098	118.907	174.211	223.325	238.846
78.5	81.580	114.732	170.036	218.758	234.032
79.0	77.159	110.607	165.861	214.141	229.023
79.5	72.788	106.432	161.883	209.721	224.308
80.0	68.564	102.503	157.855	205.153	219.151
80.5	64.439	98.574	153.828	200.634	214.534
81.0	60.313	94.694	149.899	196.165	209.721
81.5	56.335	90.863	146.117	191.646	205.055
82.0	52.356	87.179	142.188	187.373	200.291
82.5	48.526	83.495	138.504	183.002	195.477

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83.0	44.744	79.861	134.820	178.631	190.959
83.5	41.011	76.374	131.088	174.309	186.244
84.0	37.426	72.886	127.453	170.085	181.725
84.5	33.889	69.448	123.917	165.812	177.059
85.0	30.402	66.207	120.381	161.588	172.590
85.5	26.964	62.916	116.844	157.462	168.218
86.0	23.624	59.675	113.406	153.386	163.847
86.5	20.383	56.531	109.919	149.309	159.623
87.0	17.141	53.388	106.530	145.282	155.498
87.5	13.998	50.343	103.239	141.500	151.274
88.0	10.904	47.249	99.900	137.620	147.345
88.5	7.809	44.302	96.953	134.133	143.465
89.0	4.715	41.748	94.251	130.891	140.174
89.5	1.670	39.783	92.090	128.092	137.129
90.0	0.098	38.162	90.028	125.341	134.084
90.5	0.000	36.787	88.112	122.836	131.333
91.0	0.000	35.903	86.491	120.430	128.632
91.5	0.000	35.412	85.411	118.416	126.324
92.0	0.000	35.314	84.478	116.795	124.261
92.5	0.000	35.215	83.790	115.322	122.640
93.0	0.000	35.117	83.201	114.045	120.872
93.5	0.000	35.019	82.759	112.768	119.398
94.0	0.000	34.872	82.218	111.638	118.072
94.5	0.000	34.724	81.629	110.656	116.746
95.0	0.000	34.577	81.138	109.575	115.567
95.5	0.000	34.479	80.647	108.495	114.290
96.0	0.000	34.331	80.106	107.512	113.062
96.5	0.000	34.184	79.615	106.579	111.933
97.0	0.000	33.988	79.124	105.646	110.951
97.5	0.000	33.889	78.584	104.811	109.870
98.0	0.000	33.742	78.044	103.878	108.839
98.5	0.000	33.595	77.552	103.043	107.955
99.0	0.000	33.447	77.061	102.159	107.021
99.5	0.000	33.300	76.570	101.324	106.088
100.0	0.000	33.153	76.030	100.587	105.155
100.5	0.000	32.956	75.490	99.851	104.369
101.0	0.000	32.858	75.048	99.016	103.632
101.5	0.000	32.711	74.556	98.328	102.748
102.0	0.000	32.514	74.016	97.493	101.963
102.5	0.000	32.367	73.574	96.855	101.275
103.0	0.000	32.170	73.083	96.118	100.538
103.5	0.000	32.023	72.592	95.578	99.801
104.0	0.000	31.876	72.101	94.841	99.163
104.5	0.000	31.679	71.610	94.251	98.475
105.0	0.000	31.483	71.118	93.564	97.886
105.5	0.000	31.335	70.725	93.024	97.247
106.0	0.000	31.188	70.234	92.434	96.707
106.5	0.000	30.991	69.792	91.894	96.069
107.0	0.000	30.795	69.350	91.305	95.578
107.5	0.000	30.599	68.908	90.764	95.037
108.0	0.000	30.402	68.466	90.224	94.448
108.5	0.000	30.255	68.024	89.586	93.957
109.0	0.000	30.058	67.533	89.094	93.417
109.5	0.000	29.862	67.140	88.603	92.876
110.0	0.000	29.665	66.649	88.014	92.385
110.5	0.000	29.469	66.207	87.474	91.894

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111.0	0.000	29.272	65.765	86.982	91.305
111.5	0.000	29.076	65.323	86.393	90.912
112.0	0.000	28.880	64.832	85.902	90.371
112.5	0.000	28.683	64.390	85.411	89.831
113.0	0.000	28.487	63.948	84.871	89.438
113.5	0.000	28.241	63.456	84.330	88.898
114.0	0.000	28.045	63.064	83.790	88.456
114.5	0.000	27.799	62.523	83.250	87.965
115.0	0.000	27.603	62.081	82.709	87.474
115.5	0.000	27.406	61.639	82.218	87.032
116.0	0.000	27.161	61.148	81.678	86.491
116.5	0.000	26.915	60.608	81.089	86.049
117.0	0.000	26.669	60.166	80.548	85.509
117.5	0.000	26.424	59.675	80.057	84.920
118.0	0.000	26.227	59.183	79.468	84.478
118.5	0.000	25.933	58.643	78.879	83.839
119.0	0.000	25.687	58.152	78.289	83.348
119.5	0.000	25.442	57.661	77.749	82.709
120.0	0.000	25.098	57.121	77.159	82.169
120.5	0.000	24.754	56.629	76.521	81.629
121.0	0.000	24.410	56.089	75.981	81.040
121.5	0.000	24.066	55.549	75.293	80.450
122.0	0.000	23.673	55.058	74.704	79.812
122.5	0.000	23.231	54.468	74.016	79.271
123.0	0.000	22.838	53.928	73.427	78.633
123.5	0.000	22.396	53.388	72.739	77.994
124.0	0.000	22.053	52.848	72.101	77.356
124.5	0.000	21.660	52.258	71.413	76.717
125.0	0.000	21.316	51.718	70.725	75.981
125.5	0.000	20.923	51.079	70.038	75.391
126.0	0.000	20.579	50.441	69.350	74.655
126.5	0.000	20.186	49.704	68.613	74.065
127.0	0.000	19.793	48.968	67.926	73.230
127.5	0.000	19.400	48.182	67.189	72.592
128.0	0.000	19.057	47.445	66.452	71.806
128.5	0.000	18.664	46.659	65.765	71.020
129.0	0.000	18.320	45.824	64.979	70.283
129.5	0.000	17.927	45.087	64.291	69.547
130.0	0.000	17.583	44.302	63.506	68.712
130.5	0.000	17.239	43.565	62.671	67.975
131.0	0.000	16.896	42.779	61.983	67.140
131.5	0.000	16.552	41.993	61.197	66.305
132.0	0.000	16.208	41.207	60.362	65.519
132.5	0.000	15.913	40.471	59.625	64.684
133.0	0.000	15.619	39.734	58.840	63.849
133.5	0.000	15.324	39.046	58.005	63.064
134.0	0.000	15.029	38.260	57.219	62.179
134.5	0.000	14.734	37.524	56.433	61.394
135.0	0.000	14.489	36.787	55.647	60.559
135.5	0.000	14.243	36.050	54.812	59.773
136.0	0.000	13.949	35.264	53.977	58.889
136.5	0.000	13.703	34.430	53.142	58.054
137.0	0.000	13.408	33.644	52.356	57.219
137.5	0.000	13.163	32.858	51.522	56.384
138.0	0.000	12.917	32.121	50.687	55.500
138.5	0.000	12.623	31.434	49.901	54.665

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-WG-75-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	0.000	12.328	30.795	49.017	53.830
139.5	0.000	12.082	30.157	48.182	52.897
140.0	0.000	11.788	29.567	47.347	52.062
140.5	0.000	11.542	28.978	46.414	51.178
141.0	0.000	11.296	28.339	45.431	50.245
141.5	0.000	11.100	27.750	44.498	49.410
142.0	0.000	10.854	27.161	43.516	48.526
142.5	0.000	10.658	26.522	42.484	47.641
143.0	0.000	10.412	25.884	41.453	46.806
143.5	0.000	10.167	25.245	40.471	45.873
144.0	0.000	9.970	24.607	39.488	45.038
144.5	0.000	9.676	23.968	38.457	44.154
145.0	0.000	9.479	23.330	37.475	43.319
145.5	0.000	9.184	22.691	36.492	42.435
146.0	0.000	8.939	22.102	35.559	41.551
146.5	0.000	8.644	21.512	34.577	40.667
147.0	0.000	8.399	20.874	33.644	39.832
147.5	0.000	8.055	20.284	32.711	38.948
148.0	0.000	7.809	19.695	31.777	38.113
148.5	0.000	7.515	19.155	30.795	37.229
149.0	0.000	7.220	18.615	29.715	36.394
149.5	0.000	6.974	18.173	28.683	35.510
150.0	0.000	6.729	17.681	27.701	34.626
150.5	0.000	6.434	17.239	26.866	33.742
151.0	0.000	6.238	16.846	26.080	32.907
151.5	0.000	5.992	16.404	25.245	32.072
152.0	0.000	5.746	16.011	24.361	31.188
152.5	0.000	5.550	15.569	23.624	30.353
153.0	0.000	5.304	15.177	22.789	29.518
153.5	0.000	5.108	14.734	22.003	28.683
154.0	0.000	4.911	14.342	21.267	27.799
154.5	0.000	4.715	13.949	20.530	27.013
155.0	0.000	4.519	13.507	19.793	26.178
155.5	0.000	4.273	13.114	19.155	25.245
156.0	0.000	4.126	12.672	18.467	24.410
156.5	0.000	3.929	12.279	17.780	23.624
157.0	0.000	3.733	11.837	17.141	22.740
157.5	0.000	3.536	11.444	16.503	21.856
158.0	0.000	3.340	11.002	15.913	21.021
158.5	0.000	3.143	10.609	15.324	20.235
159.0	0.000	2.947	10.167	14.685	19.449
159.5	0.000	2.750	9.774	14.145	18.664
160.0	0.000	2.603	9.332	13.605	17.829
160.5	0.000	2.407	8.841	13.015	17.043
161.0	0.049	2.259	8.399	12.475	16.404
161.5	0.000	2.063	7.957	11.935	15.864
162.0	0.049	1.915	7.515	11.395	15.177
162.5	0.049	1.768	7.073	10.854	14.440
163.0	0.000	1.621	6.631	10.314	13.850
163.5	0.049	1.473	6.238	9.774	13.261
164.0	0.049	1.326	5.796	9.234	12.623
164.5	0.049	1.179	5.403	8.693	12.033
165.0	0.000	1.031	5.059	8.202	11.444
165.5	0.049	0.933	4.666	7.662	10.805
166.0	0.000	0.835	4.322	7.122	10.216
166.5	0.049	0.688	3.978	6.631	9.577

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-WG-75-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.589	3.684	6.139	8.988
167.5	0.000	0.491	3.340	5.599	8.399
168.0	0.000	0.393	2.996	5.108	7.809
168.5	0.049	0.295	2.701	4.617	7.220
169.0	0.000	0.246	2.407	4.126	6.631
169.5	0.049	0.196	2.112	3.684	5.746
170.0	0.000	0.147	1.866	3.242	4.469
170.5	0.049	0.147	1.670	2.800	4.027
171.0	0.049	0.098	1.424	2.407	3.192
171.5	0.000	0.049	1.179	2.014	1.768
172.0	0.000	0.049	0.982	1.670	1.424
172.5	0.000	0.000	0.786	1.375	1.228
173.0	0.000	0.000	0.589	1.130	0.982
173.5	0.000	0.000	0.393	0.884	0.786
174.0	0.000	0.000	0.295	0.688	0.540
174.5	0.000	0.000	0.196	0.540	0.295
175.0	0.000	0.000	0.098	0.393	0.246
175.5	0.000	0.000	0.049	0.246	0.147
176.0	0.000	0.000	0.000	0.098	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-L50-940-(L32)-WG-75-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	347.15	N.A.	12.00
0-30	727.01	N.A.	25.20
0-40	1164.61	N.A.	40.40
0-60	1969.12	N.A.	68.20
0-80	2475.7	N.A.	85.80
0-90	2599.4	N.A.	90.10
10-90	2509.09	N.A.	87.00
20-40	817.46	N.A.	28.30
20-50	1246.87	N.A.	43.20
40-70	1102.04	N.A.	38.20
60-80	506.59	N.A.	17.60
70-80	209.06	N.A.	7.20
80-90	123.69	N.A.	4.30
90-110	142.74	N.A.	4.90
90-120	196.38	N.A.	6.80
90-130	237.10	N.A.	8.20
90-150	278.38	N.A.	9.60
90-180	286.04	N.A.	9.90
110-180	143.30	N.A.	5.00
0-180	2885.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.31
10-20	256.84
20-30	379.86
30-40	437.60
40-50	429.42
50-60	375.09
60-70	297.53
70-80	209.06
80-90	123.69
90-100	77.74
100-110	65.01
110-120	53.64
120-130	40.72
130-140	26.67
140-150	14.60
150-160	6.06
160-170	1.55
170-180	0.07

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-WG-75-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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	106	100	96	92	102	97	93	89	91	88	85	85	83	80	80	78	76	73
2	96	87	80	74	92	85	78	73	79	74	69	75	70	66	70	67	63	61
3	87	77	68	62	84	74	67	61	70	64	58	66	61	56	62	58	54	51
4	80	68	59	52	77	66	58	52	62	55	50	59	53	48	55	50	46	44
5	74	61	52	45	71	59	51	45	56	49	43	53	47	42	50	45	40	38
6	68	55	46	40	66	53	45	39	51	43	38	48	42	37	45	40	36	33
7	63	50	41	35	61	48	40	35	46	39	34	44	37	33	42	36	32	30
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	38	33	29	27
9	55	42	34	28	53	41	33	28	39	32	27	37	31	27	35	30	26	24
10	52	39	31	26	50	38	30	25	36	29	25	34	28	24	33	28	24	22

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-WG-75-DIM-UNV_.IES

UGR TABLE - CORRECTED

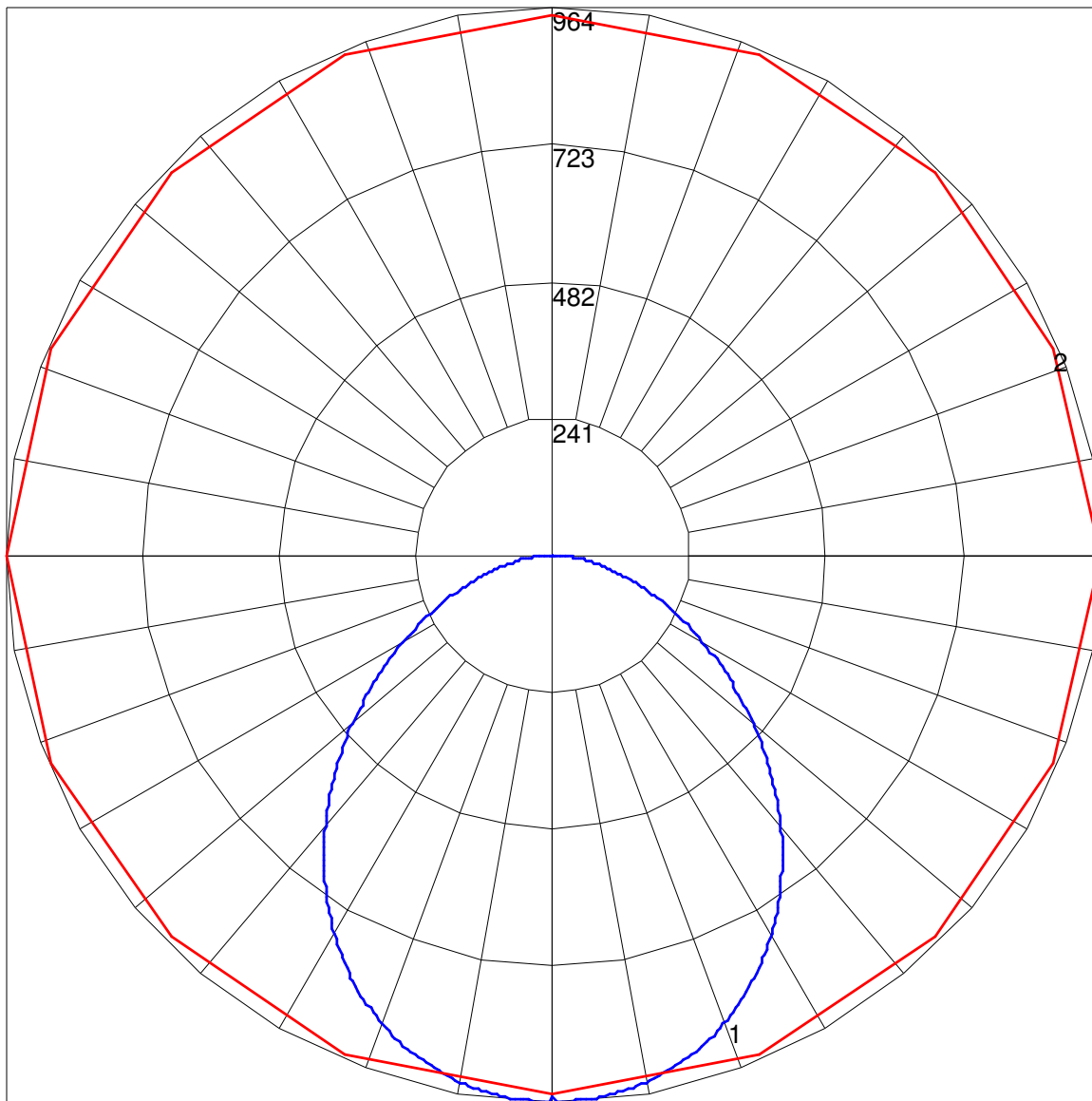
Reflectances

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	16.8	18.2	17.3	18.8	19.3	19.0	20.5	19.5	21.0	21.5
	3H	18.1	19.4	18.6	19.9	20.5	21.5	22.8	22.0	23.3	23.9
	4H	18.5	19.7	19.1	20.3	20.9	22.6	23.9	23.2	24.4	25.0
	6H	18.7	19.9	19.3	20.4	21.0	23.8	24.9	24.3	25.5	26.1
	8H	18.8	19.9	19.4	20.5	21.1	24.4	25.4	24.9	26.0	26.6
	12H	18.8	19.9	19.4	20.4	21.1	25.0	26.0	25.5	26.6	27.2
4H	2H	17.6	18.8	18.2	19.4	20.0	19.4	20.6	19.9	21.2	21.8
	3H	19.2	20.2	19.7	20.8	21.4	22.1	23.1	22.6	23.7	24.3
	4H	19.7	20.6	20.2	21.2	21.9	23.4	24.3	24.0	24.9	25.6
	6H	20.0	20.9	20.6	21.5	22.1	24.7	25.6	25.3	26.2	26.8
	8H	20.1	20.9	20.7	21.5	22.2	25.4	26.2	26.0	26.8	27.5
	12H	20.2	20.9	20.8	21.5	22.2	26.1	26.8	26.7	27.5	28.1
8H	4H	20.3	21.1	20.9	21.7	22.4	23.5	24.3	24.1	24.9	25.6
	6H	20.8	21.5	21.5	22.2	22.8	25.0	25.7	25.7	26.3	27.0
	8H	21.0	21.6	21.7	22.3	23.0	25.8	26.4	26.5	27.1	27.8
	12H	21.1	21.7	21.8	22.3	23.1	26.7	27.3	27.4	27.9	28.7
12H	4H	20.5	21.2	21.1	21.8	22.5	23.5	24.2	24.2	24.9	25.6
	6H	21.1	21.7	21.8	22.3	23.1	25.1	25.7	25.7	26.3	27.0
	8H	21.4	21.9	22.0	22.5	23.3	25.9	26.4	26.6	27.1	27.9

Maximum UGR = 28.7

POLAR GRAPH



Maximum Candela = 963.634 Located At Horizontal Angle = 0, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)