



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L50-840-EM10WLP-DIM-UNV(EMER MODE)_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM 12099782.02
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE]07-17-2020
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] 75S-4-L50-840-EM10WLP-DIM-UNV(EMER MODE)
 [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	1590
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	159
Total Luminaire Watts	10
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	5773	4654	4417
55	4927	3919	3913
65	4044	3308	3585
75	3153	2812	3203
85	2134	2408	2736

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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	526.121	526.121	526.121	526.121	526.121
0.5	530.722	527.203	523.956	526.391	523.414
1.0	530.992	527.203	523.685	525.850	523.685
1.5	530.722	526.933	523.685	526.121	523.414
2.0	530.992	526.933	523.685	525.850	523.144
2.5	530.180	526.662	523.144	525.850	523.144
3.0	529.910	526.391	523.144	525.309	523.144
3.5	530.180	525.850	522.603	525.580	523.144
4.0	529.368	525.580	522.332	525.038	522.603
4.5	529.098	525.038	522.061	524.768	522.603
5.0	528.286	524.497	521.791	524.226	521.520
5.5	528.015	523.956	520.979	523.956	521.791
6.0	526.662	523.144	520.437	523.144	520.979
6.5	526.391	522.603	519.896	522.603	520.979
7.0	525.850	521.791	519.084	522.061	519.626
7.5	524.497	521.249	518.543	521.520	519.084
8.0	523.956	520.437	517.460	520.437	518.272
8.5	522.873	519.355	516.919	519.896	517.731
9.0	522.061	518.543	515.566	518.814	516.378
9.5	520.708	517.460	515.025	518.002	515.566
10.0	519.896	516.378	513.942	516.919	515.025
10.5	518.543	515.295	513.130	515.837	513.401
11.0	517.460	513.942	511.506	514.754	512.589
11.5	516.107	512.860	510.424	513.401	511.236
12.0	514.754	511.506	509.071	512.048	509.883
12.5	513.671	510.153	508.259	510.965	508.800
13.0	511.777	509.071	506.364	509.341	507.176
13.5	510.424	507.176	505.011	507.717	505.823
14.0	509.071	505.823	503.387	506.364	504.199
14.5	506.906	503.928	501.763	504.470	502.305
15.0	505.552	502.575	500.140	502.846	500.951
15.5	503.387	500.681	498.516	501.222	499.057
16.0	501.763	499.057	496.621	499.598	497.433
16.5	500.140	496.892	494.997	497.433	495.539
17.0	497.974	494.997	492.832	495.539	493.915
17.5	495.809	493.103	490.938	493.644	491.750
18.0	493.915	490.667	489.043	491.479	489.585
18.5	491.479	488.773	486.878	489.585	487.149
19.0	489.043	486.608	484.713	487.420	485.254
19.5	487.149	484.443	482.548	484.984	482.819
20.0	484.713	482.007	480.383	482.548	480.924
20.5	482.548	479.571	477.677	480.112	478.218
21.0	479.842	477.135	475.511	477.677	475.782
21.5	477.406	474.700	472.805	475.241	472.805
22.0	474.700	471.993	470.369	472.264	470.640
22.5	472.264	469.287	467.934	469.828	467.663
23.0	469.287	466.580	465.227	466.851	464.957
23.5	466.580	463.874	462.521	464.145	462.521
24.0	463.603	460.897	459.544	461.438	459.273
24.5	460.626	458.191	456.837	458.732	456.296
25.0	457.920	455.484	453.860	455.484	452.778
25.5	454.943	452.507	450.883	452.507	450.613
26.0	451.695	448.989	447.636	449.260	446.824
26.5	448.448	446.283	444.659	446.283	444.117

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27.0	445.471	443.035	441.411	442.764	440.870
27.5	441.952	439.787	438.434	440.058	437.622
28.0	438.705	436.540	435.186	436.269	434.104
28.5	435.186	433.292	431.668	433.292	431.127
29.0	431.668	429.503	428.420	429.503	427.608
29.5	428.150	426.255	424.902	426.255	424.361
30.0	424.631	422.737	421.654	422.737	420.843
30.5	421.384	419.219	417.866	419.219	417.595
31.0	417.324	415.430	414.618	415.700	413.806
31.5	413.806	412.182	410.829	412.182	410.558
32.0	410.288	408.123	407.311	408.664	407.040
32.5	406.228	404.604	403.792	405.146	403.251
33.0	402.439	400.815	400.274	401.357	399.733
33.5	398.380	397.297	396.485	397.838	395.944
34.0	394.591	393.237	393.237	394.049	392.696
34.5	390.531	389.448	389.178	390.531	388.907
35.0	386.471	385.118	385.389	386.742	385.930
35.5	382.412	381.329	381.871	383.224	381.329
36.0	378.623	377.540	377.811	379.435	378.082
36.5	374.563	373.210	374.022	375.646	374.293
37.0	369.963	369.151	369.963	371.857	370.774
37.5	366.174	365.091	365.903	368.068	366.986
38.0	361.573	360.761	362.114	364.550	363.467
38.5	357.513	356.701	358.054	360.761	359.678
39.0	353.183	352.642	354.266	356.972	356.160
39.5	348.582	348.582	350.206	353.183	352.642
40.0	344.252	344.252	346.146	349.394	348.853
40.5	339.651	339.922	342.087	345.876	345.334
41.0	335.321	335.862	338.298	341.816	341.546
41.5	330.991	331.532	334.238	338.027	338.298
42.0	326.390	327.202	330.449	334.509	334.509
42.5	321.789	323.142	326.119	330.449	330.991
43.0	317.188	318.541	322.330	326.931	327.202
43.5	312.858	314.211	318.271	323.142	323.954
44.0	308.257	309.881	314.482	319.353	320.436
44.5	303.927	305.821	310.151	315.835	316.917
45.0	299.326	301.220	306.363	312.046	313.399
45.5	294.996	296.890	302.303	308.528	310.151
46.0	290.395	292.289	298.514	305.009	306.633
46.5	285.794	288.230	294.184	301.491	303.386
47.0	281.193	283.629	290.395	297.702	300.408
47.5	276.592	279.299	286.606	294.454	296.890
48.0	272.262	274.698	282.546	290.936	293.913
48.5	267.499	270.422	278.487	287.688	290.395
49.0	263.033	266.037	274.698	284.170	287.959
49.5	258.270	261.734	270.909	280.923	284.441
50.0	253.561	257.458	267.066	277.675	281.464
50.5	249.014	253.047	263.087	274.157	278.487
51.0	244.738	248.690	259.271	271.180	275.510
51.5	240.029	244.549	255.564	267.905	272.803
52.0	235.509	240.300	251.667	264.684	269.610
52.5	231.044	236.159	248.067	261.328	266.822
53.0	226.524	232.018	244.359	258.487	263.954
53.5	222.221	227.850	240.787	255.374	261.004
54.0	217.864	223.710	236.944	252.289	258.270
54.5	213.425	219.623	233.398	249.231	255.537

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55.0	209.176	215.455	229.853	246.281	252.695
55.5	204.765	211.477	226.254	243.304	250.043
56.0	200.651	207.498	222.654	240.219	247.336
56.5	196.402	203.412	219.190	237.350	244.765
57.0	192.153	199.515	215.590	234.562	242.059
57.5	187.958	195.644	212.370	231.693	239.353
58.0	183.953	191.612	208.906	228.716	236.944
58.5	179.839	187.715	205.442	226.064	234.265
59.0	175.590	183.872	202.194	223.250	231.721
59.5	171.585	180.110	198.838	220.570	229.149
60.0	167.417	176.213	195.644	217.756	226.795
60.5	163.384	172.451	192.316	215.212	224.251
61.0	159.325	168.824	189.095	212.370	221.896
61.5	155.292	165.008	185.820	209.772	219.136
62.0	151.314	161.355	182.762	207.065	216.862
62.5	147.525	157.863	179.596	204.440	214.210
63.0	143.465	154.237	176.483	201.707	211.693
63.5	139.676	150.610	173.425	199.163	209.258
64.0	135.915	147.146	170.475	196.456	206.795
64.5	132.153	143.763	167.336	193.723	204.115
65.0	128.472	140.353	164.359	191.233	201.653
65.5	124.818	136.970	161.327	188.554	199.136
66.0	121.165	133.614	158.459	185.929	196.592
66.5	117.565	130.285	155.563	183.249	193.939
67.0	114.074	127.119	152.640	180.651	191.287
67.5	110.583	123.844	149.798	177.863	188.797
68.0	107.119	120.678	146.957	175.347	186.226
68.5	103.709	117.484	144.142	172.640	183.466
69.0	100.326	114.372	141.354	170.042	180.841
69.5	97.078	111.341	138.621	167.363	178.161
70.0	93.776	108.228	135.860	164.792	175.374
70.5	90.556	105.278	133.181	162.031	172.803
71.0	87.416	102.247	130.529	159.541	170.150
71.5	84.223	99.405	127.904	156.862	167.390
72.0	81.137	96.483	125.306	154.345	164.521
72.5	78.025	93.668	122.680	151.585	161.842
73.0	75.048	90.853	120.245	149.122	159.108
73.5	72.017	88.147	117.619	146.415	156.267
74.0	69.094	85.495	115.130	143.790	153.614
74.5	66.252	82.815	112.613	141.192	150.854
75.0	63.411	80.190	110.231	138.540	148.012
75.5	60.596	77.673	107.741	135.969	145.306
76.0	57.862	75.129	105.332	133.343	142.545
76.5	55.183	72.721	102.978	130.718	139.812
77.0	52.585	70.231	100.623	128.174	137.105
77.5	49.987	67.876	98.296	125.603	134.453
78.0	47.443	65.522	95.995	123.059	131.611
78.5	44.953	63.221	93.695	120.542	128.959
79.0	42.517	60.948	91.395	117.998	126.199
79.5	40.109	58.647	89.202	115.563	123.601
80.0	37.781	56.482	86.983	113.046	120.759
80.5	35.508	54.317	84.764	110.556	118.215
81.0	33.234	52.179	82.599	108.093	115.563
81.5	31.042	50.068	80.515	105.603	112.991
82.0	28.850	48.038	78.350	103.249	110.366
82.5	26.739	46.009	76.320	100.840	107.714

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 75S-4-L50-840-EM10WLP-DIM-UNV(EMER MODE)_.IES****CANDELA TABULATION - (Cont.)**

83.0	24.655	44.006	74.290	98.431	105.224
83.5	22.598	42.084	72.233	96.050	102.626
84.0	20.623	40.163	70.231	93.722	100.136
84.5	18.674	38.268	68.282	91.367	97.565
85.0	16.753	36.482	66.333	89.040	95.102
85.5	14.858	34.669	64.385	86.767	92.694
86.0	13.018	32.883	62.490	84.520	90.285
86.5	11.231	31.150	60.569	82.274	87.957
87.0	9.445	29.418	58.701	80.055	85.684
87.5	7.713	27.740	56.888	77.971	83.357
88.0	6.008	26.035	55.048	75.833	81.191
88.5	4.303	24.412	53.424	73.911	79.053
89.0	2.598	23.004	51.935	72.125	77.240
89.5	0.920	21.922	50.745	70.582	75.562
90.0	0.054	21.029	49.608	69.067	73.884
90.5	0.000	20.271	48.553	67.687	72.369
91.0	0.000	19.784	47.659	66.361	70.880
91.5	0.000	19.513	47.064	65.251	69.608
92.0	0.000	19.459	46.550	64.358	68.471
92.5	0.000	19.405	46.171	63.546	67.578
93.0	0.000	19.351	45.846	62.842	66.604
93.5	0.000	19.297	45.603	62.139	65.792
94.0	0.000	19.215	45.305	61.516	65.061
94.5	0.000	19.134	44.980	60.975	64.331
95.0	0.000	19.053	44.709	60.379	63.681
95.5	0.000	18.999	44.439	59.784	62.978
96.0	0.000	18.918	44.141	59.243	62.301
96.5	0.000	18.836	43.870	58.729	61.678
97.0	0.000	18.728	43.600	58.214	61.137
97.5	0.000	18.674	43.302	57.754	60.542
98.0	0.000	18.593	43.004	57.240	59.973
98.5	0.000	18.512	42.734	56.780	59.486
99.0	0.000	18.430	42.463	56.293	58.972
99.5	0.000	18.349	42.193	55.833	58.458
100.0	0.000	18.268	41.895	55.427	57.944
100.5	0.000	18.160	41.597	55.021	57.511
101.0	0.000	18.106	41.354	54.561	57.105
101.5	0.000	18.025	41.083	54.182	56.618
102.0	0.000	17.916	40.785	53.722	56.185
102.5	0.000	17.835	40.542	53.370	55.806
103.0	0.000	17.727	40.271	52.964	55.400
103.5	0.000	17.646	40.000	52.666	54.994
104.0	0.000	17.564	39.730	52.260	54.642
104.5	0.000	17.456	39.459	51.935	54.263
105.0	0.000	17.348	39.188	51.557	53.938
105.5	0.000	17.267	38.972	51.259	53.586
106.0	0.000	17.186	38.701	50.934	53.289
106.5	0.000	17.077	38.458	50.636	52.937
107.0	0.000	16.969	38.214	50.312	52.666
107.5	0.000	16.861	37.971	50.014	52.369
108.0	0.000	16.753	37.727	49.716	52.044
108.5	0.000	16.671	37.483	49.364	51.773
109.0	0.000	16.563	37.213	49.094	51.475
109.5	0.000	16.455	36.996	48.823	51.178
110.0	0.000	16.347	36.726	48.498	50.907
110.5	0.000	16.238	36.482	48.201	50.636

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111.0	0.000	16.130	36.238	47.930	50.312
111.5	0.000	16.022	35.995	47.605	50.095
112.0	0.000	15.914	35.724	47.335	49.797
112.5	0.000	15.805	35.481	47.064	49.500
113.0	0.000	15.697	35.237	46.766	49.283
113.5	0.000	15.562	34.966	46.469	48.986
114.0	0.000	15.453	34.750	46.171	48.742
114.5	0.000	15.318	34.452	45.873	48.471
115.0	0.000	15.210	34.209	45.575	48.201
115.5	0.000	15.102	33.965	45.305	47.957
116.0	0.000	14.966	33.694	45.007	47.659
116.5	0.000	14.831	33.397	44.682	47.416
117.0	0.000	14.696	33.153	44.385	47.118
117.5	0.000	14.560	32.883	44.114	46.793
118.0	0.000	14.452	32.612	43.789	46.550
118.5	0.000	14.290	32.314	43.465	46.198
119.0	0.000	14.154	32.044	43.140	45.927
119.5	0.000	14.019	31.773	42.842	45.575
120.0	0.000	13.830	31.475	42.517	45.278
120.5	0.000	13.640	31.205	42.165	44.980
121.0	0.000	13.451	30.907	41.868	44.655
121.5	0.000	13.261	30.609	41.489	44.331
122.0	0.000	13.045	30.339	41.164	43.979
122.5	0.000	12.801	30.014	40.785	43.681
123.0	0.000	12.585	29.716	40.460	43.329
123.5	0.000	12.341	29.418	40.082	42.977
124.0	0.000	12.152	29.121	39.730	42.626
124.5	0.000	11.935	28.796	39.351	42.274
125.0	0.000	11.746	28.498	38.972	41.868
125.5	0.000	11.529	28.146	38.593	41.543
126.0	0.000	11.340	27.795	38.214	41.137
126.5	0.000	11.123	27.389	37.808	40.812
127.0	0.000	10.907	26.983	37.429	40.352
127.5	0.000	10.690	26.550	37.023	40.000
128.0	0.000	10.501	26.144	36.617	39.567
128.5	0.000	10.284	25.711	36.238	39.134
129.0	0.000	10.095	25.251	35.805	38.728
129.5	0.000	9.878	24.845	35.427	38.322
130.0	0.000	9.689	24.412	34.994	37.862
130.5	0.000	9.499	24.006	34.533	37.456
131.0	0.000	9.310	23.573	34.155	36.996
131.5	0.000	9.121	23.140	33.722	36.536
132.0	0.000	8.931	22.707	33.261	36.103
132.5	0.000	8.769	22.301	32.855	35.643
133.0	0.000	8.606	21.895	32.422	35.183
133.5	0.000	8.444	21.516	31.962	34.750
134.0	0.000	8.282	21.083	31.529	34.263
134.5	0.000	8.119	20.677	31.096	33.830
135.0	0.000	7.984	20.271	30.663	33.370
135.5	0.000	7.849	19.865	30.203	32.937
136.0	0.000	7.686	19.432	29.743	32.450
136.5	0.000	7.551	18.972	29.283	31.989
137.0	0.000	7.388	18.539	28.850	31.529
137.5	0.000	7.253	18.106	28.390	31.069
138.0	0.000	7.118	17.700	27.930	30.582
138.5	0.000	6.955	17.321	27.497	30.122

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CANDELA TABULATION - (Cont.)

139.0	0.000	6.793	16.969	27.010	29.662
139.5	0.000	6.658	16.617	26.550	29.148
140.0	0.000	6.495	16.292	26.090	28.688
140.5	0.000	6.360	15.968	25.575	28.201
141.0	0.000	6.225	15.616	25.034	27.686
141.5	0.000	6.116	15.291	24.520	27.226
142.0	0.000	5.981	14.966	23.979	26.739
142.5	0.000	5.873	14.614	23.410	26.252
143.0	0.000	5.738	14.263	22.842	25.792
143.5	0.000	5.602	13.911	22.301	25.278
144.0	0.000	5.494	13.559	21.759	24.818
144.5	0.000	5.332	13.207	21.191	24.330
145.0	0.000	5.223	12.855	20.650	23.870
145.5	0.000	5.061	12.503	20.108	23.383
146.0	0.000	4.926	12.179	19.594	22.896
146.5	0.000	4.763	11.854	19.053	22.409
147.0	0.000	4.628	11.502	18.539	21.949
147.5	0.000	4.438	11.177	18.025	21.462
148.0	0.000	4.303	10.853	17.510	21.002
148.5	0.000	4.141	10.555	16.969	20.514
149.0	0.000	3.978	10.257	16.374	20.054
149.5	0.000	3.843	10.014	15.805	19.567
150.0	0.000	3.708	9.743	15.264	19.080
150.5	0.000	3.545	9.499	14.804	18.593
151.0	0.000	3.437	9.283	14.371	18.133
151.5	0.000	3.302	9.039	13.911	17.673
152.0	0.000	3.166	8.823	13.424	17.186
152.5	0.000	3.058	8.579	13.018	16.725
153.0	0.000	2.923	8.363	12.558	16.265
153.5	0.000	2.815	8.119	12.125	15.805
154.0	0.000	2.706	7.903	11.719	15.318
154.5	0.000	2.598	7.686	11.313	14.885
155.0	0.000	2.490	7.443	10.907	14.425
155.5	0.000	2.355	7.226	10.555	13.911
156.0	0.000	2.273	6.982	10.176	13.451
156.5	0.000	2.165	6.766	9.797	13.018
157.0	0.000	2.057	6.522	9.445	12.531
157.5	0.000	1.949	6.306	9.093	12.043
158.0	0.000	1.840	6.062	8.769	11.583
158.5	0.000	1.732	5.846	8.444	11.150
159.0	0.000	1.624	5.602	8.092	10.717
159.5	0.000	1.516	5.386	7.794	10.284
160.0	0.000	1.434	5.142	7.497	9.824
160.5	0.000	1.326	4.871	7.172	9.391
161.0	0.027	1.245	4.628	6.874	9.039
161.5	0.000	1.137	4.384	6.577	8.742
162.0	0.027	1.055	4.141	6.279	8.363
162.5	0.027	0.974	3.897	5.981	7.957
163.0	0.000	0.893	3.654	5.683	7.632
163.5	0.027	0.812	3.437	5.386	7.307
164.0	0.027	0.731	3.194	5.088	6.955
164.5	0.027	0.650	2.977	4.790	6.631
165.0	0.000	0.568	2.788	4.520	6.306
165.5	0.027	0.514	2.571	4.222	5.954
166.0	0.000	0.460	2.382	3.924	5.629
166.5	0.027	0.379	2.192	3.654	5.277

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 75S-4-L50-840-EM10WLP-DIM-UNV(EMER MODE)_.IES****CANDELA TABULATION - (Cont.)**

167.0	0.000	0.325	2.030	3.383	4.953
167.5	0.000	0.271	1.840	3.085	4.628
168.0	0.000	0.217	1.651	2.815	4.303
168.5	0.027	0.162	1.489	2.544	3.978
169.0	0.000	0.135	1.326	2.273	3.654
169.5	0.027	0.108	1.164	2.030	3.166
170.0	0.000	0.081	1.028	1.786	2.463
170.5	0.027	0.081	0.920	1.543	2.219
171.0	0.027	0.054	0.785	1.326	1.759
171.5	0.000	0.027	0.650	1.110	0.974
172.0	0.000	0.027	0.541	0.920	0.785
172.5	0.000	0.000	0.433	0.758	0.677
173.0	0.000	0.000	0.325	0.622	0.541
173.5	0.000	0.000	0.217	0.487	0.433
174.0	0.000	0.000	0.162	0.379	0.298
174.5	0.000	0.000	0.108	0.298	0.162
175.0	0.000	0.000	0.054	0.217	0.135
175.5	0.000	0.000	0.027	0.135	0.081
176.0	0.000	0.000	0.000	0.054	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-L50-840-EM10WLP-DIM-UNV(EMER MODE)_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	191.29	N.A.	12.00
0-30	400.61	N.A.	25.20
0-40	641.73	N.A.	40.40
0-60	1085.04	N.A.	68.20
0-80	1364.19	N.A.	85.80
0-90	1432.35	N.A.	90.10
10-90	1382.59	N.A.	87.00
20-40	450.45	N.A.	28.30
20-50	687.07	N.A.	43.20
40-70	607.26	N.A.	38.20
60-80	279.15	N.A.	17.60
70-80	115.20	N.A.	7.20
80-90	68.16	N.A.	4.30
90-110	78.66	N.A.	4.90
90-120	108.21	N.A.	6.80
90-130	130.65	N.A.	8.20
90-150	153.39	N.A.	9.60
90-180	157.62	N.A.	9.90
110-180	78.96	N.A.	5.00
0-180	1589.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.76
10-20	141.53
20-30	209.32
30-40	241.13
40-50	236.62
50-60	206.69
60-70	163.95
70-80	115.20
80-90	68.16
90-100	42.84
100-110	35.82
110-120	29.56
120-130	22.44
130-140	14.70
140-150	8.04
150-160	3.34
160-170	0.85
170-180	0.04

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L50-840-EM10WLP-DIM-UNV(EMER MODE)_.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	60	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-L50-840-EM10WLP-DIM-UNV(EMER MODE)_.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	14.7	16.1	15.2	16.7	17.2	16.9	18.4	17.4	18.9	19.4
	3H	16.0	17.3	16.5	17.8	18.4	19.4	20.7	19.9	21.2	21.8
	4H	16.4	17.6	17.0	18.2	18.8	20.5	21.8	21.1	22.3	22.9
	6H	16.6	17.8	17.2	18.3	18.9	21.7	22.8	22.2	23.4	24.0
	8H	16.7	17.8	17.3	18.4	19.0	22.3	23.3	22.8	23.9	24.5
	12H	16.7	17.8	17.3	18.3	19.0	22.9	23.9	23.4	24.5	25.1

UGR Viewed Endwise

4H	2H	15.5	16.7	16.1	17.3	17.9	17.3	18.5	17.8	19.1	19.7
	3H	17.1	18.1	17.6	18.7	19.3	20.0	21.0	20.5	21.6	22.2
	4H	17.6	18.5	18.1	19.1	19.8	21.3	22.2	21.9	22.8	23.5
	6H	17.9	18.8	18.5	19.4	20.0	22.6	23.5	23.2	24.1	24.7
	8H	18.0	18.8	18.6	19.4	20.1	23.3	24.1	23.9	24.7	25.4
	12H	18.1	18.8	18.7	19.4	20.1	24.0	24.7	24.6	25.4	26.1

8H	4H	18.2	19.0	18.8	19.6	20.3	21.4	22.2	22.0	22.8	23.5
	6H	18.7	19.4	19.4	20.1	20.7	22.9	23.6	23.6	24.3	24.9
	8H	18.9	19.5	19.6	20.2	20.9	23.7	24.3	24.4	25.0	25.7
	12H	19.0	19.6	19.7	20.2	21.0	24.6	25.2	25.3	25.8	26.6

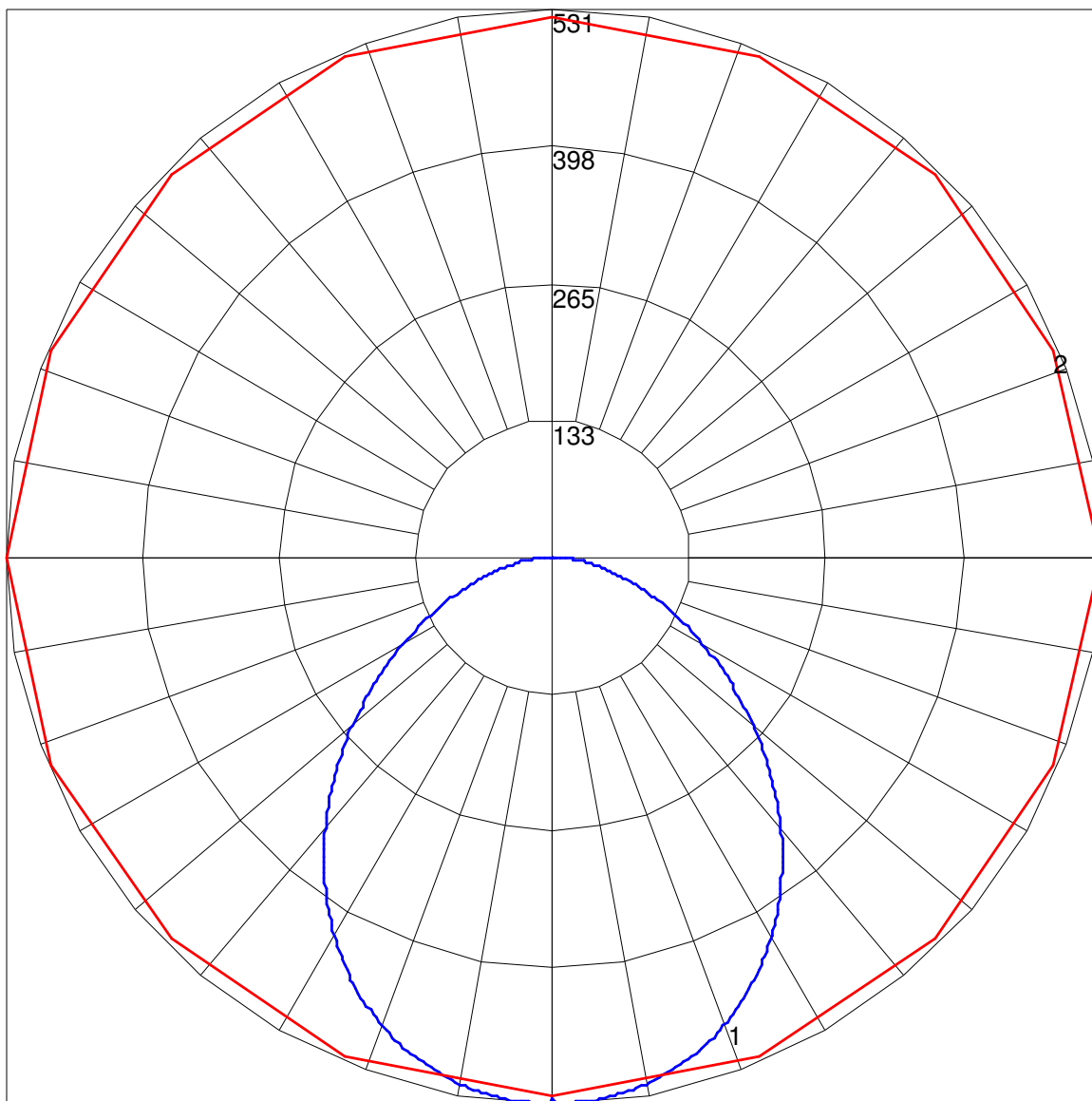
12H	4H	18.4	19.1	19.0	19.7	20.4	21.4	22.1	22.1	22.8	23.5
	6H	19.0	19.6	19.7	20.2	21.0	23.0	23.6	23.6	24.2	24.9
	8H	19.3	19.8	19.9	20.5	21.2	23.8	24.3	24.5	25.0	25.8

Maximum UGR = 26.6

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L50-840-EM10WLP-DIM-UNV(EMER MODE)_.IES

POLAR GRAPH



Maximum Candela = 530.992 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.)