



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-EM10WLP-WG-75-DIM-UNV\_EMER MODE ONLY.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)-EM10WLP-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	1387
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
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	5035	4059	3853
55	4297	3418	3413
65	3527	2885	3127
75	2750	2452	2794
85	1861	2101	2386

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-EM10WLP-WG-75-DIM-UNV\_EMER MODE ONLY.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	458.867	458.867	458.867	458.867	458.867
<b>0.5</b>	462.880	459.811	456.979	459.103	456.507
<b>1.0</b>	463.116	459.811	456.743	458.631	456.743
<b>1.5</b>	462.880	459.575	456.743	458.867	456.507
<b>2.0</b>	463.116	459.575	456.743	458.631	456.271
<b>2.5</b>	462.408	459.339	456.271	458.631	456.271
<b>3.0</b>	462.172	459.103	456.271	458.159	456.271
<b>3.5</b>	462.408	458.631	455.799	458.395	456.271
<b>4.0</b>	461.700	458.395	455.563	457.923	455.799
<b>4.5</b>	461.464	457.923	455.327	457.687	455.799
<b>5.0</b>	460.756	457.451	455.091	457.215	454.854
<b>5.5</b>	460.519	456.979	454.382	456.979	455.091
<b>6.0</b>	459.339	456.271	453.910	456.271	454.382
<b>6.5</b>	459.103	455.799	453.438	455.799	454.382
<b>7.0</b>	458.631	455.091	452.730	455.327	453.202
<b>7.5</b>	457.451	454.618	452.258	454.854	452.730
<b>8.0</b>	456.979	453.910	451.314	453.910	452.022
<b>8.5</b>	456.035	452.966	450.842	453.438	451.550
<b>9.0</b>	455.327	452.258	449.662	452.494	450.370
<b>9.5</b>	454.146	451.314	449.189	451.786	449.662
<b>10.0</b>	453.438	450.370	448.245	450.842	449.189
<b>10.5</b>	452.258	449.425	447.537	449.898	447.773
<b>11.0</b>	451.314	448.245	446.121	448.953	447.065
<b>11.5</b>	450.134	447.301	445.177	447.773	445.885
<b>12.0</b>	448.953	446.121	443.997	446.593	444.705
<b>12.5</b>	448.009	444.941	443.288	445.649	443.760
<b>13.0</b>	446.357	443.997	441.636	444.233	442.344
<b>13.5</b>	445.177	442.344	440.456	442.816	441.164
<b>14.0</b>	443.997	441.164	439.040	441.636	439.748
<b>14.5</b>	442.108	439.512	437.623	439.984	438.095
<b>15.0</b>	440.928	438.331	436.207	438.568	436.915
<b>15.5</b>	439.040	436.679	434.791	437.151	435.263
<b>16.0</b>	437.623	435.263	433.139	435.735	433.847
<b>16.5</b>	436.207	433.375	431.722	433.847	432.194
<b>17.0</b>	434.319	431.722	429.834	432.194	430.778
<b>17.5</b>	432.430	430.070	428.182	430.542	428.890
<b>18.0</b>	430.778	427.946	426.529	428.654	427.001
<b>18.5</b>	428.654	426.293	424.641	427.001	424.877
<b>19.0</b>	426.529	424.405	422.753	425.113	423.225
<b>19.5</b>	424.877	422.517	420.864	422.989	421.100
<b>20.0</b>	422.753	420.392	418.976	420.864	419.448
<b>20.5</b>	420.864	418.268	416.616	418.740	417.088
<b>21.0</b>	418.504	416.143	414.727	416.616	414.963
<b>21.5</b>	416.379	414.019	412.367	414.491	412.367
<b>22.0</b>	414.019	411.659	410.242	411.895	410.478
<b>22.5</b>	411.895	409.298	408.118	409.770	407.882
<b>23.0</b>	409.298	406.938	405.758	407.174	405.522
<b>23.5</b>	406.938	404.577	403.397	404.813	403.397
<b>24.0</b>	404.341	401.981	400.801	402.453	400.565
<b>24.5</b>	401.745	399.620	398.440	400.093	397.968
<b>25.0</b>	399.384	397.260	395.844	397.260	394.900
<b>25.5</b>	396.788	394.664	393.247	394.664	393.011
<b>26.0</b>	393.955	391.595	390.415	391.831	389.707
<b>26.5</b>	391.123	389.235	387.818	389.235	387.346

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27.0	388.526	386.402	384.986	386.166	384.514
27.5	385.458	383.570	382.389	383.806	381.681
28.0	382.625	380.737	379.557	380.501	378.613
28.5	379.557	377.905	376.488	377.905	376.016
29.0	376.488	374.600	373.656	374.600	372.948
29.5	373.420	371.767	370.587	371.767	370.115
30.0	370.351	368.699	367.755	368.699	367.047
30.5	367.519	365.630	364.450	365.630	364.214
31.0	363.978	362.326	361.618	362.562	360.909
31.5	360.909	359.493	358.313	359.493	358.077
32.0	357.841	355.953	355.244	356.425	355.008
32.5	354.300	352.884	352.176	353.356	351.704
33.0	350.996	349.579	349.107	350.051	348.635
33.5	347.455	346.511	345.803	346.983	345.331
34.0	344.150	342.970	342.970	343.678	342.498
34.5	340.610	339.666	339.430	340.610	339.194
35.0	337.069	335.889	336.125	337.305	336.597
35.5	333.528	332.584	333.056	334.237	332.584
36.0	330.224	329.280	329.516	330.932	329.752
36.5	326.683	325.503	326.211	327.627	326.447
37.0	322.671	321.962	322.671	324.323	323.379
37.5	319.366	318.422	319.130	321.018	320.074
38.0	315.353	314.645	315.825	317.950	317.005
38.5	311.813	311.104	312.285	314.645	313.701
39.0	308.036	307.564	308.980	311.340	310.632
39.5	304.023	304.023	305.439	308.036	307.564
40.0	300.246	300.246	301.899	304.731	304.259
40.5	296.234	296.470	298.358	301.663	301.191
41.0	292.457	292.929	295.053	298.122	297.886
41.5	288.680	289.152	291.513	294.817	295.053
42.0	284.668	285.376	288.208	291.749	291.749
42.5	280.655	281.835	284.432	288.208	288.680
43.0	276.642	277.822	281.127	285.140	285.376
43.5	272.865	274.046	277.586	281.835	282.543
44.0	268.853	270.269	274.282	278.531	279.475
44.5	265.076	266.728	270.505	275.462	276.406
45.0	261.063	262.716	267.200	272.157	273.338
45.5	257.287	258.939	263.660	269.089	270.505
46.0	253.274	254.926	260.355	266.020	267.436
46.5	249.261	251.386	256.579	262.952	264.604
47.0	245.248	247.373	253.274	259.647	262.008
47.5	241.236	243.596	249.969	256.815	258.939
48.0	237.459	239.583	246.429	253.746	256.342
48.5	233.305	235.854	242.888	250.913	253.274
49.0	229.410	232.030	239.583	247.845	251.150
49.5	225.256	228.277	236.279	245.012	248.081
50.0	221.149	224.548	232.927	242.180	245.485
50.5	217.183	220.700	229.457	239.111	242.888
51.0	213.453	216.900	226.129	236.515	240.292
51.5	209.346	213.288	222.895	233.659	237.931
52.0	205.404	209.582	219.496	230.850	235.146
52.5	201.510	205.971	216.357	227.923	232.715
53.0	197.568	202.359	213.123	225.444	230.213
53.5	193.815	198.724	210.007	222.730	227.640
54.0	190.014	195.113	206.655	220.039	225.256
54.5	186.143	191.549	203.563	217.372	222.872

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55.0	182.437	187.914	200.471	214.799	220.393
55.5	178.590	184.444	197.332	212.202	218.080
56.0	175.002	180.974	194.192	209.512	215.720
56.5	171.296	177.410	191.171	207.010	213.477
57.0	167.590	174.011	188.032	204.578	211.117
57.5	163.932	170.635	185.223	202.076	208.756
58.0	160.438	167.118	182.201	199.480	206.655
58.5	156.850	163.719	179.180	197.167	204.319
59.0	153.145	160.367	176.348	194.712	202.100
59.5	149.651	157.086	173.421	192.375	199.857
60.0	146.016	153.687	170.635	189.920	197.804
60.5	142.499	150.406	167.732	187.701	195.585
61.0	138.958	147.243	164.923	185.223	193.531
61.5	135.441	143.915	162.067	182.957	191.124
62.0	131.972	140.729	159.400	180.596	189.141
62.5	128.667	137.684	156.638	178.307	186.828
63.0	125.126	134.521	153.924	175.923	184.633
63.5	121.822	131.358	151.256	173.704	182.508
64.0	118.541	128.336	148.683	171.343	180.360
64.5	115.260	125.386	145.945	168.959	178.023
65.0	112.050	122.412	143.349	166.788	175.875
65.5	108.863	119.461	140.705	164.451	173.680
66.0	105.676	116.534	138.203	162.161	171.461
66.5	102.537	113.631	135.677	159.825	169.148
67.0	99.492	110.869	133.128	157.559	166.835
67.5	96.447	108.013	130.650	155.127	164.663
68.0	93.426	105.251	128.171	152.932	162.421
68.5	90.452	102.466	125.716	150.572	160.013
69.0	87.501	99.752	123.285	148.306	157.724
69.5	84.669	97.108	120.901	145.969	155.387
70.0	81.789	94.394	118.493	143.726	152.956
70.5	78.980	91.821	116.157	141.319	150.713
71.0	76.242	89.177	113.843	139.147	148.400
71.5	73.457	86.699	111.554	136.810	145.992
72.0	70.766	84.149	109.288	134.615	143.490
72.5	68.051	81.694	106.998	132.208	141.154
73.0	65.455	79.240	104.874	130.060	138.770
73.5	62.811	76.879	102.584	127.699	136.291
74.0	60.262	74.566	100.413	125.410	133.978
74.5	57.783	72.229	98.217	123.144	131.570
75.0	55.305	69.939	96.140	120.830	129.092
75.5	52.850	67.744	93.969	118.588	126.731
76.0	50.466	65.525	91.868	116.298	124.324
76.5	48.129	63.425	89.814	114.009	121.940
77.0	45.863	61.253	87.761	111.790	119.579
77.5	43.597	59.200	85.731	109.547	117.266
78.0	41.378	57.146	83.724	107.329	114.788
78.5	39.207	55.140	81.718	105.133	112.474
79.0	37.082	53.157	79.712	102.915	110.067
79.5	34.982	51.150	77.800	100.790	107.801
80.0	32.952	49.262	75.864	98.595	105.322
80.5	30.969	47.374	73.929	96.423	103.103
81.0	28.986	45.509	72.040	94.275	100.790
81.5	27.074	43.668	70.223	92.104	98.548
82.0	25.162	41.898	68.334	90.050	96.258
82.5	23.321	40.127	66.564	87.950	93.945

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83.0	21.503	38.381	64.794	85.849	91.773
83.5	19.710	36.705	63.000	83.772	89.507
84.0	17.986	35.029	61.253	81.742	87.336
84.5	16.287	33.376	59.554	79.688	85.093
85.0	14.611	31.819	57.854	77.658	82.945
85.5	12.959	30.237	56.155	75.675	80.845
86.0	11.354	28.679	54.502	73.716	78.744
86.5	9.796	27.169	52.826	71.757	76.714
87.0	8.238	25.658	51.198	69.821	74.731
87.5	6.727	24.194	49.616	68.004	72.701
88.0	5.240	22.707	48.011	66.139	70.813
88.5	3.753	21.291	46.595	64.463	68.948
89.0	2.266	20.064	45.297	62.905	67.367
89.5	0.803	19.119	44.258	61.560	65.903
90.0	0.047	18.341	43.267	60.238	64.440
90.5	0.000	17.680	42.346	59.034	63.118
91.0	0.000	17.255	41.567	57.878	61.820
91.5	0.000	17.019	41.048	56.910	60.710
92.0	0.000	16.971	40.599	56.131	59.719
92.5	0.000	16.924	40.269	55.423	58.940
93.0	0.000	16.877	39.986	54.809	58.090
93.5	0.000	16.830	39.773	54.195	57.382
94.0	0.000	16.759	39.514	53.653	56.745
94.5	0.000	16.688	39.230	53.180	56.107
95.0	0.000	16.617	38.994	52.661	55.541
95.5	0.000	16.570	38.758	52.142	54.927
96.0	0.000	16.499	38.499	51.670	54.337
96.5	0.000	16.429	38.263	51.221	53.794
97.0	0.000	16.334	38.026	50.773	53.322
97.5	0.000	16.287	37.767	50.372	52.803
98.0	0.000	16.216	37.507	49.923	52.307
98.5	0.000	16.145	37.271	49.522	51.882
99.0	0.000	16.075	37.035	49.097	51.434
99.5	0.000	16.004	36.799	48.696	50.985
100.0	0.000	15.933	36.539	48.342	50.537
100.5	0.000	15.838	36.280	47.988	50.159
101.0	0.000	15.791	36.067	47.586	49.805
101.5	0.000	15.720	35.831	47.256	49.380
102.0	0.000	15.626	35.572	46.854	49.002
102.5	0.000	15.555	35.359	46.548	48.672
103.0	0.000	15.461	35.123	46.194	48.318
103.5	0.000	15.390	34.887	45.934	47.964
104.0	0.000	15.319	34.651	45.580	47.657
104.5	0.000	15.225	34.415	45.297	47.327
105.0	0.000	15.130	34.179	44.966	47.043
105.5	0.000	15.060	33.990	44.707	46.736
106.0	0.000	14.989	33.754	44.423	46.477
106.5	0.000	14.894	33.542	44.164	46.170
107.0	0.000	14.800	33.329	43.880	45.934
107.5	0.000	14.705	33.117	43.621	45.674
108.0	0.000	14.611	32.904	43.361	45.391
108.5	0.000	14.540	32.692	43.054	45.155
109.0	0.000	14.446	32.456	42.818	44.895
109.5	0.000	14.351	32.267	42.582	44.636
110.0	0.000	14.257	32.031	42.299	44.400
110.5	0.000	14.163	31.819	42.039	44.164

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111.0	0.000	14.068	31.606	41.803	43.880
111.5	0.000	13.974	31.394	41.520	43.692
112.0	0.000	13.879	31.158	41.284	43.432
112.5	0.000	13.785	30.945	41.048	43.172
113.0	0.000	13.690	30.733	40.788	42.983
113.5	0.000	13.572	30.497	40.529	42.724
114.0	0.000	13.478	30.308	40.269	42.511
114.5	0.000	13.360	30.048	40.009	42.275
115.0	0.000	13.266	29.836	39.750	42.039
115.5	0.000	13.171	29.623	39.514	41.827
116.0	0.000	13.053	29.387	39.254	41.567
116.5	0.000	12.935	29.128	38.971	41.355
117.0	0.000	12.817	28.915	38.711	41.095
117.5	0.000	12.699	28.679	38.475	40.812
118.0	0.000	12.605	28.443	38.192	40.599
118.5	0.000	12.463	28.184	37.908	40.293
119.0	0.000	12.345	27.947	37.625	40.056
119.5	0.000	12.227	27.711	37.366	39.750
120.0	0.000	12.062	27.452	37.082	39.490
120.5	0.000	11.897	27.216	36.775	39.230
121.0	0.000	11.731	26.956	36.516	38.947
121.5	0.000	11.566	26.696	36.185	38.664
122.0	0.000	11.377	26.460	35.902	38.357
122.5	0.000	11.165	26.177	35.572	38.097
123.0	0.000	10.976	25.917	35.288	37.790
123.5	0.000	10.764	25.658	34.958	37.484
124.0	0.000	10.598	25.398	34.651	37.177
124.5	0.000	10.409	25.115	34.321	36.870
125.0	0.000	10.244	24.855	33.990	36.516
125.5	0.000	10.055	24.548	33.660	36.233
126.0	0.000	9.890	24.242	33.329	35.879
126.5	0.000	9.701	23.888	32.975	35.595
127.0	0.000	9.513	23.533	32.645	35.194
127.5	0.000	9.324	23.156	32.291	34.887
128.0	0.000	9.158	22.802	31.937	34.509
128.5	0.000	8.970	22.424	31.606	34.132
129.0	0.000	8.804	22.023	31.228	33.778
129.5	0.000	8.616	21.669	30.898	33.424
130.0	0.000	8.450	21.291	30.520	33.022
130.5	0.000	8.285	20.937	30.119	32.668
131.0	0.000	8.120	20.559	29.789	32.267
131.5	0.000	7.955	20.182	29.411	31.866
132.0	0.000	7.789	19.804	29.010	31.488
132.5	0.000	7.648	19.450	28.656	31.087
133.0	0.000	7.506	19.096	28.278	30.686
133.5	0.000	7.365	18.765	27.877	30.308
134.0	0.000	7.223	18.388	27.499	29.883
134.5	0.000	7.081	18.034	27.121	29.505
135.0	0.000	6.963	17.680	26.744	29.104
135.5	0.000	6.845	17.326	26.342	28.726
136.0	0.000	6.704	16.948	25.941	28.302
136.5	0.000	6.586	16.547	25.540	27.900
137.0	0.000	6.444	16.169	25.162	27.499
137.5	0.000	6.326	15.791	24.761	27.098
138.0	0.000	6.208	15.437	24.360	26.673
138.5	0.000	6.066	15.107	23.982	26.272

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-EM10WLP-WG-75-DIM-UNV\_EMER MODE ONLY.IES****CANDELA TABULATION - (Cont.)**

139.0	0.000	5.925	14.800	23.557	25.870
139.5	0.000	5.807	14.493	23.156	25.422
140.0	0.000	5.665	14.210	22.755	25.021
140.5	0.000	5.547	13.927	22.306	24.596
141.0	0.000	5.429	13.620	21.834	24.147
141.5	0.000	5.335	13.336	21.385	23.746
142.0	0.000	5.217	13.053	20.913	23.321
142.5	0.000	5.122	12.746	20.418	22.896
143.0	0.000	5.004	12.439	19.922	22.495
143.5	0.000	4.886	12.133	19.450	22.046
144.0	0.000	4.792	11.826	18.978	21.645
144.5	0.000	4.650	11.519	18.482	21.220
145.0	0.000	4.556	11.212	18.010	20.819
145.5	0.000	4.414	10.905	17.538	20.394
146.0	0.000	4.296	10.622	17.089	19.969
146.5	0.000	4.154	10.339	16.617	19.544
147.0	0.000	4.036	10.032	16.169	19.143
147.5	0.000	3.871	9.749	15.720	18.718
148.0	0.000	3.753	9.465	15.272	18.317
148.5	0.000	3.611	9.206	14.800	17.892
149.0	0.000	3.470	8.946	14.281	17.491
149.5	0.000	3.352	8.734	13.785	17.066
150.0	0.000	3.234	8.498	13.313	16.641
150.5	0.000	3.092	8.285	12.912	16.216
151.0	0.000	2.998	8.096	12.534	15.815
151.5	0.000	2.880	7.884	12.133	15.414
152.0	0.000	2.762	7.695	11.708	14.989
152.5	0.000	2.667	7.483	11.354	14.587
153.0	0.000	2.549	7.294	10.952	14.186
153.5	0.000	2.455	7.081	10.575	13.785
154.0	0.000	2.360	6.892	10.221	13.360
154.5	0.000	2.266	6.704	9.867	12.982
155.0	0.000	2.172	6.491	9.513	12.581
155.5	0.000	2.054	6.302	9.206	12.133
156.0	0.000	1.983	6.090	8.875	11.731
156.5	0.000	1.888	5.901	8.545	11.354
157.0	0.000	1.794	5.689	8.238	10.929
157.5	0.000	1.700	5.500	7.931	10.504
158.0	0.000	1.605	5.287	7.648	10.103
158.5	0.000	1.511	5.099	7.365	9.725
159.0	0.000	1.416	4.886	7.058	9.347
159.5	0.000	1.322	4.697	6.798	8.970
160.0	0.000	1.251	4.485	6.538	8.568
160.5	0.000	1.157	4.249	6.255	8.191
161.0	0.024	1.086	4.036	5.995	7.884
161.5	0.000	0.991	3.824	5.736	7.624
162.0	0.024	0.921	3.611	5.476	7.294
162.5	0.024	0.850	3.399	5.217	6.940
163.0	0.000	0.779	3.187	4.957	6.656
163.5	0.024	0.708	2.998	4.697	6.373
164.0	0.024	0.637	2.785	4.438	6.066
164.5	0.024	0.567	2.596	4.178	5.783
165.0	0.000	0.496	2.431	3.942	5.500
165.5	0.024	0.448	2.242	3.682	5.193
166.0	0.000	0.401	2.077	3.423	4.910
166.5	0.024	0.330	1.912	3.187	4.603

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-EM10WLP-WG-75-DIM-UNV\_EMER MODE ONLY.IES****CANDELA TABULATION - (Cont.)**

167.0	0.000	0.283	1.770	2.951	4.320
167.5	0.000	0.236	1.605	2.691	4.036
168.0	0.000	0.189	1.440	2.455	3.753
168.5	0.024	0.142	1.298	2.219	3.470
169.0	0.000	0.118	1.157	1.983	3.187
169.5	0.024	0.094	1.015	1.770	2.762
170.0	0.000	0.071	0.897	1.558	2.148
170.5	0.024	0.071	0.803	1.345	1.936
171.0	0.024	0.047	0.685	1.157	1.534
171.5	0.000	0.024	0.567	0.968	0.850
172.0	0.000	0.024	0.472	0.803	0.685
172.5	0.000	0.000	0.378	0.661	0.590
173.0	0.000	0.000	0.283	0.543	0.472
173.5	0.000	0.000	0.189	0.425	0.378
174.0	0.000	0.000	0.142	0.330	0.260
174.5	0.000	0.000	0.094	0.260	0.142
175.0	0.000	0.000	0.047	0.189	0.118
175.5	0.000	0.000	0.024	0.118	0.071
176.0	0.000	0.000	0.000	0.047	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)-EM10WLP-WG-75-DIM-UNV\_EMER MODE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	166.84	N.A.	12.00
0-30	349.40	N.A.	25.20
0-40	559.70	N.A.	40.40
0-60	946.34	N.A.	68.20
0-80	1189.81	N.A.	85.80
0-90	1249.25	N.A.	90.10
10-90	1205.85	N.A.	87.00
20-40	392.87	N.A.	28.30
20-50	599.24	N.A.	43.20
40-70	529.63	N.A.	38.20
60-80	243.46	N.A.	17.60
70-80	100.47	N.A.	7.20
80-90	59.45	N.A.	4.30
90-110	68.60	N.A.	4.90
90-120	94.38	N.A.	6.80
90-130	113.95	N.A.	8.20
90-150	133.79	N.A.	9.60
90-180	137.47	N.A.	9.90
110-180	68.87	N.A.	5.00
0-180	1386.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	43.40
10-20	123.44
20-30	182.56
30-40	210.31
40-50	206.37
50-60	180.27
60-70	142.99
70-80	100.47
80-90	59.45
90-100	37.36
100-110	31.24
110-120	25.78
120-130	19.57
130-140	12.82
140-150	7.01
150-160	2.91
160-170	0.74
170-180	0.03

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-EM10WLP-WG-75-DIM-UNV\_EMER MODE ONLY.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	105	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	27	24	22

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-EM10WLP-WG-75-DIM-UNV\_EMER MODE ONLY.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	14.2	15.6	14.7	16.2	16.7	16.4	17.9	16.9	18.4	18.9
	3H	15.5	16.8	16.0	17.3	17.9	18.9	20.2	19.4	20.7	21.3
	4H	15.9	17.1	16.5	17.7	18.3	20.0	21.3	20.6	21.8	22.4
	6H	16.1	17.3	16.7	17.8	18.4	21.2	22.3	21.7	22.9	23.5
	8H	16.2	17.3	16.8	17.9	18.5	21.8	22.8	22.3	23.4	24.0
	12H	16.2	17.3	16.8	17.8	18.5	22.4	23.4	22.9	24.0	24.6

### UGR Viewed Endwise

4H	2H	15.0	16.2	15.6	16.8	17.4	16.8	18.0	17.3	18.6	19.2
	3H	16.6	17.6	17.1	18.2	18.8	19.5	20.5	20.0	21.1	21.7
	4H	17.1	18.0	17.6	18.6	19.3	20.8	21.7	21.4	22.3	23.0
	6H	17.4	18.3	18.0	18.9	19.5	22.1	23.0	22.7	23.6	24.2
	8H	17.5	18.3	18.1	18.9	19.6	22.8	23.6	23.4	24.2	24.9
	12H	17.6	18.3	18.2	18.9	19.6	23.5	24.2	24.1	24.9	25.5

8H	4H	17.7	18.5	18.3	19.1	19.8	20.9	21.7	21.5	22.3	23.0
	6H	18.2	18.9	18.9	19.6	20.2	22.4	23.1	23.1	23.7	24.4
	8H	18.4	19.0	19.1	19.7	20.4	23.2	23.8	23.9	24.5	25.2
	12H	18.5	19.1	19.2	19.7	20.5	24.1	24.7	24.8	25.3	26.1

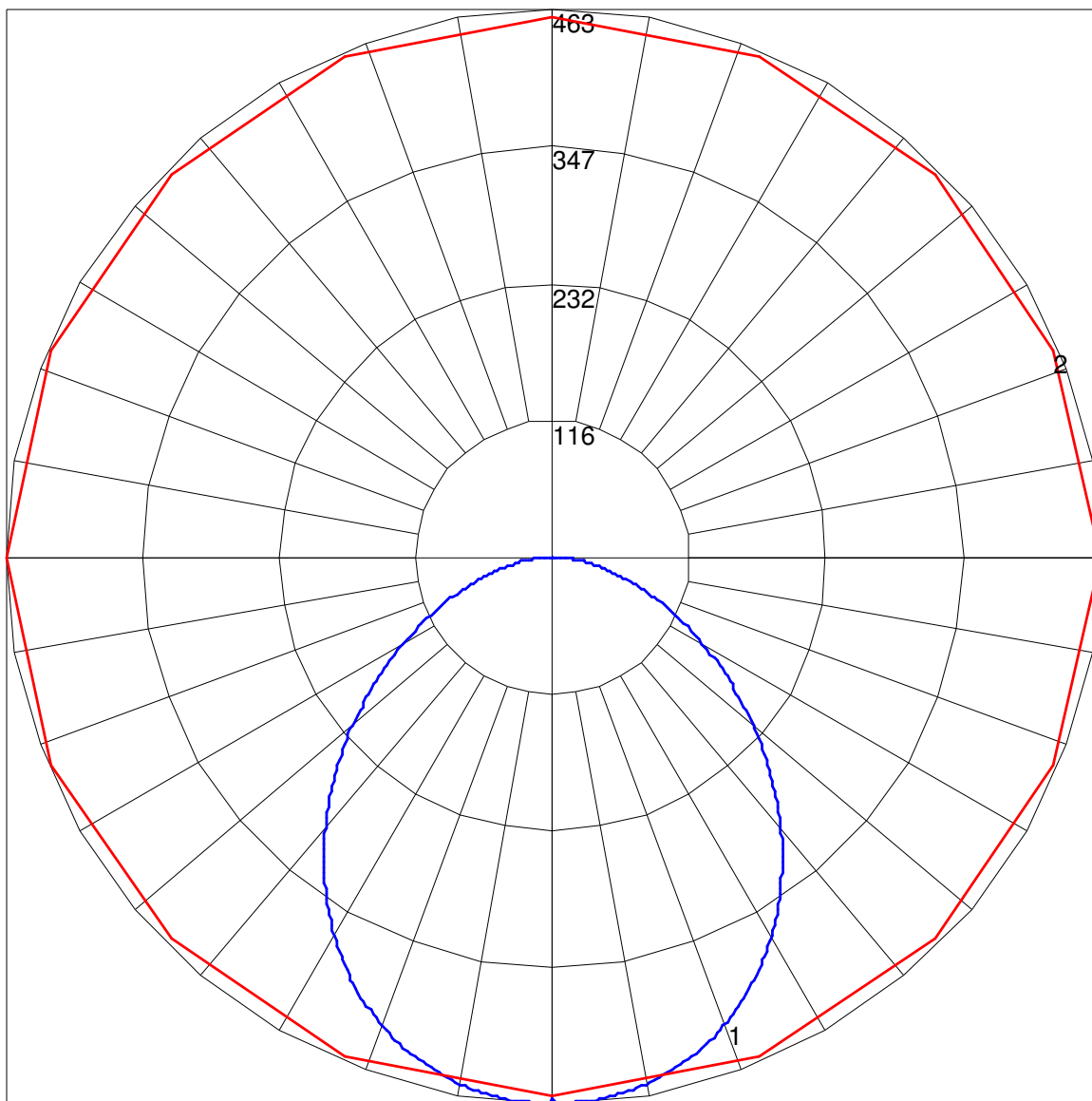
12H	4H	17.9	18.6	18.5	19.2	19.9	20.9	21.6	21.6	22.3	23.0
	6H	18.5	19.1	19.2	19.7	20.5	22.5	23.1	23.1	23.7	24.4
	8H	18.8	19.3	19.4	19.9	20.7	23.3	23.8	24.0	24.5	25.3

Maximum UGR = 26.1

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L50-940-(L32)-EM10WLP-WG-75-DIM-UNV\_EMER MODE ONLY.IES

## POLAR GRAPH



Maximum Candela = 463.116 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.)