



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2DS-L5-940-DIM-UNV-RW-OF-WH_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 13257153.16
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 8/7/2024
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] 2DS-L5-940-DIM-UNV-RW-OF-WH
 [LUMINAIRE] Aluminum housing, optics, and trim enclosure
 [LAMP] One white LED
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Indoor, Downlight
 [_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	445
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	6.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.21 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9905	13482	9692
55	6882	7432	6739
65	5335	4930	5352
75	3071	2833	3098
85	1415	1415	1415

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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	513.101	513.101	513.101	513.101	513.101
0.5	513.652	515.858	513.377	511.171	510.620
1.0	513.377	515.582	513.377	511.171	510.620
1.5	513.101	515.307	513.101	510.895	510.344
2.0	512.825	515.031	512.825	510.620	509.792
2.5	512.274	514.480	511.998	510.068	509.517
3.0	511.722	513.377	511.447	509.517	508.690
3.5	510.620	512.825	510.620	508.690	507.862
4.0	509.792	511.722	509.517	507.587	507.035
4.5	508.690	510.620	508.414	506.484	505.932
5.0	507.311	509.517	507.311	505.105	504.554
5.5	505.932	508.138	505.932	504.002	503.175
6.0	504.554	506.760	504.554	502.624	501.797
6.5	503.175	505.381	503.175	500.970	500.142
7.0	501.521	503.727	501.521	499.591	498.488
7.5	500.142	502.072	499.867	497.937	496.834
8.0	498.212	500.694	498.212	496.282	495.180
8.5	496.558	498.764	496.282	494.352	493.250
9.0	494.352	496.834	494.628	492.423	491.595
9.5	492.698	494.904	492.698	490.493	489.390
10.0	490.493	492.698	490.493	488.287	487.460
10.5	488.011	490.493	488.287	486.081	484.978
11.0	485.530	488.011	485.805	483.600	482.773
11.5	483.048	485.254	483.324	481.118	480.015
12.0	480.015	482.773	480.567	478.361	477.258
12.5	477.258	479.740	477.534	475.604	474.501
13.0	473.950	476.707	474.501	472.571	471.193
13.5	470.917	473.398	471.468	469.263	467.884
14.0	467.333	469.814	468.160	465.954	464.576
14.5	463.473	466.230	464.300	462.370	460.716
15.0	459.337	462.094	460.440	458.510	456.856
15.5	454.926	457.958	456.304	454.374	452.720
16.0	450.514	453.271	451.893	449.963	448.309
16.5	445.827	448.860	447.206	445.551	443.621
17.0	440.864	443.897	442.519	440.864	438.934
17.5	435.626	438.659	437.831	435.901	433.696
18.0	430.111	433.144	432.317	430.663	428.181
18.5	424.322	427.354	427.079	424.873	422.116
19.0	417.704	421.289	421.289	419.083	416.050
19.5	411.087	414.672	415.499	413.017	409.433
20.0	403.919	408.054	409.157	406.400	402.540
20.5	396.199	400.886	402.540	399.232	395.096
21.0	389.030	393.166	395.372	392.063	387.376
21.5	381.035	385.446	388.203	384.343	379.105
22.0	371.936	377.175	380.759	376.348	370.558
22.5	362.562	368.628	373.039	367.800	361.459
23.0	352.636	359.805	365.043	359.253	351.809
23.5	342.711	350.155	356.496	349.879	341.883
24.0	331.958	340.781	347.949	340.229	331.682
24.5	321.205	330.855	339.126	330.579	320.929
25.0	310.452	320.654	329.752	320.378	309.901
25.5	299.148	310.177	320.378	309.901	298.597
26.0	287.568	299.424	310.452	299.148	286.741
26.5	275.712	288.671	300.527	288.120	275.051

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CANDELA TABULATION - (Cont.)

27.0	263.940	277.367	290.325	276.815	262.837
27.5	252.249	266.063	279.572	265.401	251.036
28.0	240.339	254.731	268.958	253.766	238.712
28.5	228.511	243.261	258.067	242.131	226.856
29.0	217.013	231.984	247.231	230.440	215.028
29.5	206.316	220.625	236.368	219.191	203.117
30.0	195.177	209.927	225.478	207.612	191.427
30.5	183.983	198.789	214.863	196.197	180.316
31.0	173.147	188.119	204.441	185.389	168.957
31.5	162.670	177.366	193.771	174.471	157.680
32.0	152.138	166.999	183.680	163.966	146.265
32.5	141.689	157.101	173.561	153.903	135.761
33.0	131.515	147.506	163.773	144.225	125.863
33.5	121.424	138.408	154.206	134.741	116.516
34.0	111.884	129.585	145.190	125.449	106.976
34.5	103.006	121.065	136.505	116.709	97.933
35.0	94.762	112.656	128.234	108.658	90.130
35.5	87.263	104.495	120.486	101.076	83.100
36.0	80.232	96.885	113.097	93.522	75.986
36.5	73.891	89.772	106.122	86.270	69.480
37.0	68.184	83.127	99.615	79.846	64.241
37.5	62.973	77.006	93.522	74.139	59.692
38.0	58.341	71.410	87.842	68.597	55.142
38.5	54.095	66.309	82.521	63.304	50.952
39.0	50.455	61.704	77.585	58.727	47.671
39.5	47.119	57.403	73.009	54.867	44.914
40.0	44.224	53.543	68.790	51.227	42.074
40.5	41.660	50.014	64.792	47.671	39.592
41.0	39.399	46.899	60.988	44.665	37.662
41.5	37.442	44.059	57.486	42.212	35.925
42.0	35.650	41.522	54.205	39.896	34.216
42.5	34.133	39.261	51.172	37.717	32.782
43.0	32.644	37.304	48.222	35.843	31.569
43.5	31.431	35.484	45.437	34.271	30.439
44.0	30.191	33.940	42.818	32.810	29.336
44.5	29.170	32.479	40.475	31.431	28.398
45.0	28.178	31.211	38.352	30.273	27.571
45.5	27.268	29.998	36.394	29.226	26.717
46.0	26.441	28.922	34.519	28.261	25.917
46.5	25.614	27.930	32.837	27.323	25.200
47.0	24.869	26.992	31.321	26.468	24.483
47.5	24.125	26.138	29.942	25.696	23.739
48.0	23.436	25.310	28.647	24.924	23.077
48.5	22.746	24.538	27.433	24.208	22.443
49.0	22.112	23.822	26.331	23.518	21.781
49.5	21.478	23.105	25.310	22.829	21.175
50.0	20.899	22.443	24.345	22.167	20.568
50.5	20.292	21.809	23.436	21.533	19.989
51.0	19.741	21.175	22.608	20.927	19.410
51.5	19.190	20.596	21.836	20.348	18.886
52.0	18.666	20.017	21.064	19.796	18.362
52.5	18.169	19.465	20.348	19.217	17.866
53.0	17.673	18.914	19.658	18.666	17.342
53.5	17.204	18.390	18.997	18.142	16.874
54.0	16.736	17.866	18.362	17.618	16.405
54.5	16.295	17.370	17.756	17.122	15.964

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CANDELA TABULATION - (Cont.)

55.0	15.881	16.874	17.149	16.653	15.550
55.5	15.467	16.405	16.570	16.184	15.164
56.0	15.081	15.936	16.019	15.716	14.751
56.5	14.695	15.495	15.495	15.274	14.392
57.0	14.337	15.054	14.971	14.861	14.034
57.5	13.951	14.613	14.475	14.420	13.703
58.0	13.620	14.199	13.979	14.034	13.372
58.5	13.262	13.786	13.510	13.620	13.041
59.0	12.931	13.372	13.041	13.234	12.738
59.5	12.600	12.986	12.600	12.848	12.435
60.0	12.269	12.600	12.159	12.490	12.131
60.5	11.911	12.214	11.745	12.104	11.828
61.0	11.607	11.828	11.332	11.745	11.525
61.5	11.249	11.470	10.946	11.414	11.221
62.0	10.946	11.111	10.532	11.056	10.918
62.5	10.615	10.753	10.174	10.725	10.615
63.0	10.312	10.394	9.788	10.394	10.312
63.5	9.981	10.064	9.429	10.036	10.008
64.0	9.678	9.705	9.071	9.733	9.705
64.5	9.374	9.374	8.740	9.402	9.374
65.0	9.071	9.043	8.382	9.071	9.099
65.5	8.768	8.713	8.078	8.740	8.768
66.0	8.464	8.382	7.748	8.437	8.492
66.5	8.161	8.078	7.444	8.106	8.161
67.0	7.858	7.748	7.113	7.803	7.885
67.5	7.555	7.444	6.810	7.499	7.582
68.0	7.279	7.141	6.534	7.196	7.306
68.5	6.976	6.838	6.231	6.920	7.003
69.0	6.672	6.534	5.955	6.617	6.700
69.5	6.397	6.259	5.680	6.314	6.424
70.0	6.093	5.955	5.404	6.038	6.148
70.5	5.790	5.652	5.156	5.735	5.845
71.0	5.514	5.376	4.880	5.459	5.569
71.5	5.211	5.101	4.632	5.183	5.266
72.0	4.935	4.825	4.384	4.880	4.990
72.5	4.632	4.549	4.108	4.604	4.715
73.0	4.356	4.274	3.888	4.356	4.411
73.5	4.081	3.998	3.639	4.081	4.136
74.0	3.777	3.750	3.419	3.805	3.832
74.5	3.502	3.474	3.171	3.529	3.529
75.0	3.198	3.226	2.950	3.281	3.226
75.5	2.867	2.978	2.757	3.005	2.895
76.0	2.537	2.702	2.537	2.730	2.509
76.5	2.178	2.454	2.344	2.454	2.233
77.0	1.902	2.151	2.151	2.151	2.013
77.5	1.627	1.902	1.958	1.930	1.765
78.0	1.489	1.682	1.792	1.737	1.516
78.5	1.406	1.489	1.627	1.544	1.379
79.0	1.323	1.351	1.461	1.351	1.296
79.5	1.241	1.268	1.351	1.241	1.213
80.0	1.186	1.186	1.213	1.158	1.158
80.5	1.103	1.103	1.130	1.103	1.075
81.0	1.020	1.048	1.020	1.020	0.993
81.5	0.965	0.965	0.937	0.937	0.937
82.0	0.882	0.910	0.882	0.882	0.855
82.5	0.827	0.827	0.800	0.800	0.800

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CANDELA TABULATION - (Cont.)

83.0	0.772	0.772	0.744	0.744	0.744
83.5	0.689	0.689	0.662	0.689	0.662
84.0	0.634	0.634	0.607	0.607	0.607
84.5	0.579	0.579	0.551	0.551	0.551
85.0	0.496	0.496	0.496	0.496	0.496
85.5	0.441	0.441	0.441	0.441	0.441
86.0	0.386	0.386	0.386	0.386	0.386
86.5	0.331	0.331	0.303	0.331	0.331
87.0	0.276	0.276	0.276	0.276	0.276
87.5	0.221	0.221	0.221	0.221	0.221
88.0	0.165	0.165	0.165	0.165	0.165
88.5	0.138	0.110	0.110	0.110	0.138
89.0	0.083	0.083	0.083	0.083	0.083
89.5	0.055	0.055	0.055	0.055	0.055
90.0	0.000	0.000	0.000	0.000	0.000
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2DS-L5-940-DIM-UNV-RW-OF-WH_.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	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 : 2DS-L5-940-DIM-UNV-RW-OF-WH_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	175.85	N.A.	39.50
0-30	319.13	N.A.	71.70
0-40	391.11	N.A.	87.90
0-60	432.12	N.A.	97.10
0-80	444.39	N.A.	99.90
0-90	444.96	N.A.	100.00
10-90	397.11	N.A.	89.20
20-40	215.26	N.A.	48.40
20-50	241.24	N.A.	54.20
40-70	49.87	N.A.	11.20
60-80	12.27	N.A.	2.80
70-80	3.41	N.A.	0.80
80-90	0.57	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	444.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.85
10-20	127.99
20-30	143.29
30-40	71.97
40-50	25.98
50-60	15.04
60-70	8.86
70-80	3.41
80-90	0.57
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2DS-L5-940-DIM-UNV-RW-OF-WH_.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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79
4	96	89	83	78	95	87	82	78	85	81	77	83	79	76	81	78	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	66	64
7	83	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60
8	79	69	63	59	77	68	63	59	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	62	56	52	70	61	56	52	60	55	52	60	55	52	59	55	51	50

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 2DS-L5-940-DIM-UNV-RW-OF-WH_.IES

UGR TABLE - CORRECTED

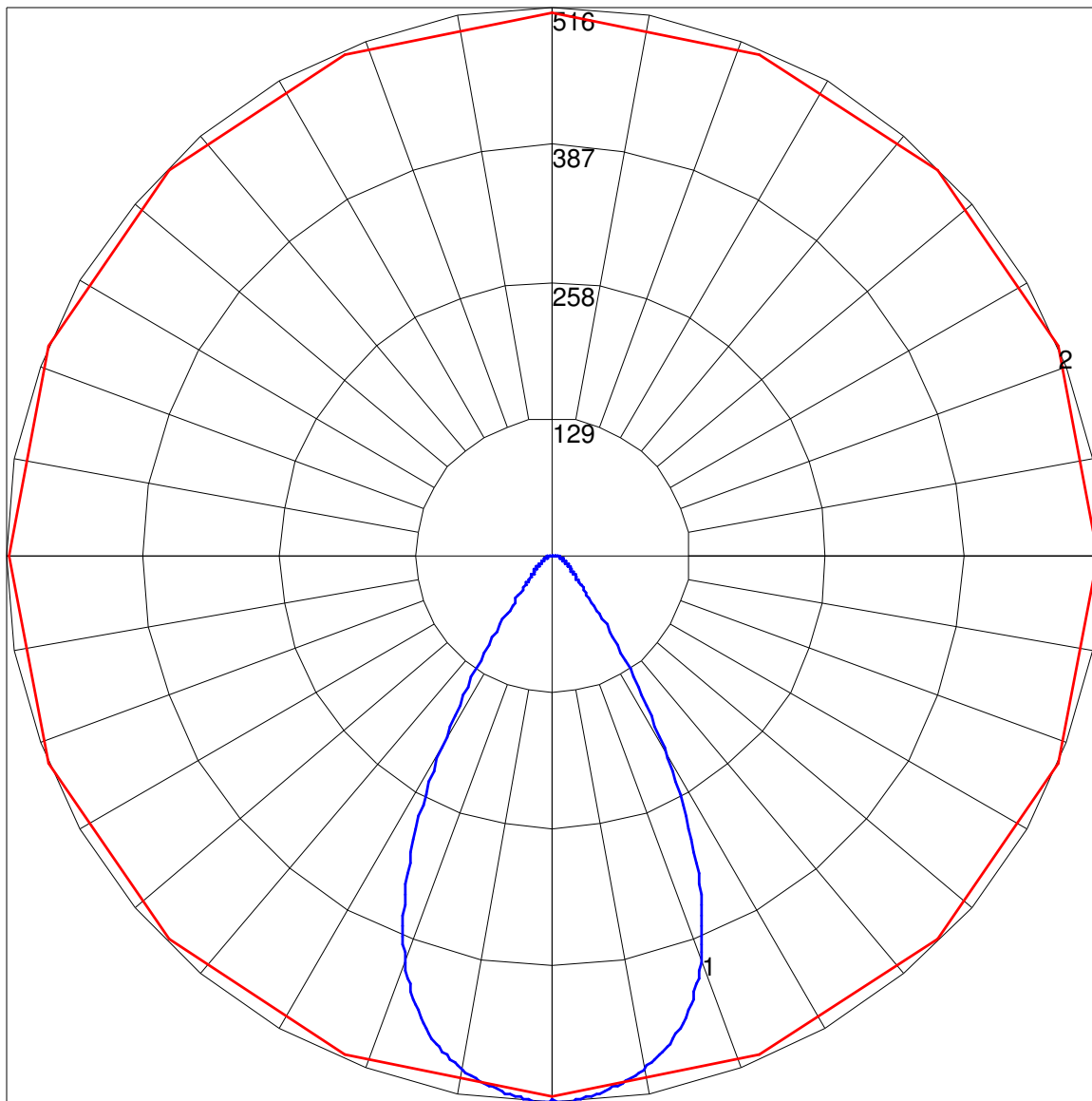
Reflectances

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	13.8	14.9	14.2	15.2	15.5	13.7	14.8	14.1	15.1	15.4
	3H	14.9	15.9	15.3	16.2	16.6	14.9	15.8	15.3	16.1	16.5
	4H	15.2	16.0	15.6	16.4	16.8	15.1	16.0	15.5	16.3	16.7
	6H	15.2	16.0	15.6	16.3	16.7	15.1	15.9	15.6	16.3	16.7
	8H	15.2	15.9	15.6	16.3	16.7	15.1	15.9	15.6	16.3	16.7
	12H	15.1	15.8	15.6	16.2	16.6	15.1	15.8	15.5	16.2	16.6
4H	2H	14.1	14.9	14.5	15.3	15.7	14.0	14.9	14.4	15.2	15.6
	3H	15.3	16.0	15.8	16.4	16.8	15.3	16.0	15.7	16.4	16.8
	4H	15.6	16.3	16.1	16.7	17.1	15.6	16.2	16.0	16.7	17.1
	6H	15.7	16.2	16.1	16.7	17.1	15.7	16.2	16.1	16.6	17.1
	8H	15.6	16.1	16.1	16.6	17.1	15.6	16.1	16.1	16.6	17.1
	12H	15.6	16.1	16.1	16.5	17.0	15.6	16.0	16.1	16.5	17.0
8H	4H	15.6	16.1	16.1	16.6	17.0	15.6	16.1	16.1	16.6	17.0
	6H	15.7	16.1	16.2	16.6	17.1	15.7	16.1	16.2	16.6	17.1
	8H	15.7	16.1	16.2	16.6	17.1	15.7	16.0	16.2	16.6	17.1
	12H	15.7	16.0	16.2	16.5	17.1	15.7	16.0	16.2	16.5	17.1
12H	4H	15.6	16.0	16.1	16.5	17.0	15.5	16.0	16.0	16.5	17.0
	6H	15.7	16.0	16.2	16.5	17.0	15.6	16.0	16.2	16.5	17.0
	8H	15.7	16.0	16.2	16.5	17.1	15.7	16.0	16.2	16.5	17.0

Maximum UGR = 17.1

POLAR GRAPH



Maximum Candela = 515.858 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)