



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2RX-5-00-L4-835-F-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 13012869.02  
[TESTLAB] UL Verification Services Inc.  
[ISSUEDATE] 01/13/2022  
[MANUFAC] WILLIAMS INDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMCAT] MX2Rx-5-00-L4-835-F-DIM-UNV  
[LUMINAIRE] 2 INCH WIDE, LINEAR RECESSED LED LUMINAIRE  
[MORE] W/FLAT DIFFUSED ACRYLIC LENS  
[LAMP] LED  
[LAMPCAT] HLMX 80 CRI 3500K CCT, SAMSUNG LM281B+

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2108
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	17
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	5.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9222	8557	7953
55	8251	7584	6969
65	7276	6658	6125
75	6038	5647	5266
85	4446	4784	4775

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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	912.465	912.465	912.465	912.465	912.465
0.5	911.157	918.352	911.157	910.503	909.195
1.0	911.157	918.352	910.503	910.503	909.195
1.5	911.157	917.698	910.503	910.503	908.540
2.0	911.157	917.698	909.849	909.849	909.195
2.5	910.503	917.044	909.195	909.849	908.540
3.0	909.195	916.390	908.540	909.195	907.886
3.5	909.195	915.735	907.886	909.195	907.232
4.0	907.886	915.081	906.578	907.886	905.924
4.5	907.232	913.773	905.924	907.232	904.616
5.0	906.578	912.465	904.616	905.924	903.962
5.5	905.270	911.811	903.308	904.616	902.654
6.0	903.962	910.503	901.999	903.308	900.691
6.5	902.654	909.195	900.691	901.345	899.383
7.0	901.345	907.232	899.383	900.037	898.075
7.5	899.383	905.924	897.421	897.421	896.113
8.0	898.075	903.962	896.113	895.458	894.150
8.5	896.113	902.654	894.150	892.842	891.534
9.0	894.804	900.691	892.188	890.880	888.918
9.5	892.842	898.729	890.226	887.609	886.301
10.0	890.880	896.113	887.609	884.993	883.031
10.5	888.918	894.150	885.647	882.377	879.760
11.0	886.301	892.188	883.031	879.106	876.490
11.5	883.685	889.572	880.414	876.490	872.565
12.0	881.722	886.955	877.798	872.565	869.295
12.5	879.106	884.339	874.527	869.295	864.716
13.0	875.836	881.722	871.257	865.370	860.791
13.5	873.873	879.106	867.332	861.445	856.867
14.0	870.603	875.836	864.716	857.521	852.942
14.5	867.332	873.219	860.791	853.596	848.364
15.0	864.716	869.295	856.867	849.018	844.439
15.5	861.445	866.024	852.942	845.093	839.860
16.0	858.829	862.754	849.018	840.514	834.627
16.5	855.559	859.483	845.093	835.936	830.049
17.0	852.942	856.213	840.514	831.357	825.470
17.5	849.018	852.942	835.936	826.124	820.237
18.0	844.439	849.672	831.357	820.891	815.005
18.5	840.514	845.093	826.778	816.313	809.772
19.0	836.590	841.168	822.200	811.080	804.539
19.5	832.011	836.590	816.967	805.847	798.652
20.0	828.087	832.011	811.734	799.960	793.419
20.5	823.508	827.432	807.155	794.728	787.533
21.0	819.583	822.854	801.923	788.841	781.646
21.5	815.659	817.621	796.690	782.954	775.759
22.0	810.426	813.042	792.111	776.413	769.218
22.5	805.847	808.464	786.224	770.526	762.677
23.0	801.269	803.231	780.992	763.985	756.136
23.5	796.690	797.998	775.759	757.444	748.941
24.0	791.457	793.419	769.872	750.903	742.400
24.5	786.224	788.187	763.985	744.362	735.859
25.0	780.992	782.954	758.098	737.821	729.318
25.5	775.759	777.067	751.557	731.280	722.777
26.0	769.872	771.834	745.016	724.739	715.582
26.5	764.639	765.947	739.129	717.544	709.041

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**CANDELA TABULATION - (Cont.)**

27.0	758.752	760.060	732.588	711.003	701.846
27.5	752.865	754.174	726.047	704.462	695.305
28.0	746.324	748.287	720.161	697.921	688.764
28.5	740.438	741.746	712.965	690.726	681.569
29.0	733.897	735.205	706.425	684.185	675.028
29.5	728.010	729.318	699.884	677.644	667.833
30.0	721.469	722.777	692.688	670.449	661.292
30.5	714.928	716.236	686.148	663.908	653.835
31.0	708.387	709.041	678.952	656.713	646.836
31.5	701.846	701.846	671.757	649.518	639.641
32.0	694.651	694.651	663.908	642.127	632.642
32.5	688.110	688.110	656.713	634.408	625.055
33.0	681.569	680.261	649.584	626.821	617.467
33.5	674.374	673.066	642.061	619.037	610.141
34.0	667.833	665.871	634.474	611.319	602.685
34.5	661.292	658.675	627.083	603.601	594.770
35.0	654.097	651.153	619.430	595.621	586.856
35.5	647.294	643.697	611.777	587.837	578.679
36.0	640.295	636.044	604.320	579.922	570.307
36.5	633.100	628.718	596.602	571.811	561.869
37.0	626.167	620.999	589.014	563.962	553.235
37.5	618.710	613.543	581.230	555.786	544.601
38.0	611.188	606.086	573.447	547.741	536.032
38.5	603.862	598.564	565.728	539.761	527.660
39.0	596.471	590.976	557.814	531.519	519.091
39.5	588.687	583.716	549.965	523.604	510.980
40.0	580.969	576.128	542.246	515.428	504.439
40.5	573.708	568.541	534.528	508.102	496.787
41.0	565.794	561.084	527.006	500.973	489.330
41.5	558.272	553.562	519.222	493.254	482.004
42.0	550.749	546.105	511.373	485.863	474.940
42.5	543.162	538.322	504.636	478.603	468.202
43.0	535.901	531.061	498.160	471.538	461.662
43.5	528.706	523.539	490.900	465.128	456.298
44.0	521.250	516.082	483.705	459.045	449.757
44.5	513.597	508.626	476.771	452.831	443.216
45.0	506.336	501.300	469.838	446.225	436.675
45.5	499.010	495.217	463.820	439.684	430.199
46.0	491.946	487.825	457.737	433.208	423.658
46.5	485.078	480.434	450.934	426.667	417.183
47.0	480.238	473.893	444.132	420.192	410.707
47.5	473.043	466.698	437.329	413.651	404.166
48.0	465.848	460.092	430.461	407.175	397.756
48.5	458.653	452.897	423.658	400.569	391.281
49.0	451.588	445.702	416.790	394.093	384.936
49.5	444.524	438.572	409.988	387.618	378.591
50.0	437.525	431.442	403.185	381.208	372.312
50.5	430.461	424.313	396.383	374.863	366.098
51.0	423.397	417.248	389.645	368.518	359.819
51.5	416.333	410.119	382.908	362.108	353.670
52.0	409.268	403.054	376.302	355.763	347.456
52.5	402.204	396.121	369.761	349.484	341.242
53.0	395.074	389.253	363.285	343.205	335.094
53.5	388.141	382.385	356.875	336.925	328.880
54.0	381.208	375.517	350.465	330.711	322.666
54.5	374.340	368.714	344.120	324.497	316.387

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**CANDELA TABULATION - (Cont.)**

55.0	367.472	361.977	337.776	318.414	310.369
55.5	360.669	355.240	331.365	312.331	304.220
56.0	353.866	348.634	325.021	306.248	298.334
56.5	347.195	342.027	318.676	300.230	292.381
57.0	340.523	335.421	312.397	294.278	286.560
57.5	333.982	328.880	306.052	288.391	280.804
58.0	327.375	322.339	299.773	282.570	275.113
58.5	320.965	315.798	293.559	276.748	269.422
59.0	314.490	309.322	287.476	271.058	263.797
59.5	308.014	302.978	281.458	265.367	258.172
60.0	301.539	296.633	275.571	259.742	252.678
60.5	295.128	290.288	269.619	254.182	247.249
61.0	288.784	283.943	263.732	248.688	241.885
61.5	282.439	277.664	257.845	243.193	236.652
62.0	276.094	271.450	252.154	237.830	231.419
62.5	269.815	265.171	246.464	232.531	226.252
63.0	263.470	259.022	240.773	227.233	221.150
63.5	257.191	252.874	235.213	222.000	216.114
64.0	250.977	246.725	229.588	216.702	211.077
64.5	244.828	240.642	224.028	211.469	206.040
65.0	238.745	234.559	218.468	206.237	201.004
65.5	232.662	228.541	212.909	201.004	195.902
66.0	226.514	222.589	207.349	195.837	190.211
66.5	220.496	216.571	201.854	190.604	185.175
67.0	214.413	210.619	196.360	185.371	180.138
67.5	208.395	204.667	190.865	180.204	175.167
68.0	202.378	198.715	185.371	175.036	170.261
68.5	196.425	192.828	179.811	170.000	165.290
69.0	190.473	186.875	174.382	164.898	160.450
69.5	184.455	180.989	168.953	159.927	155.610
70.0	178.503	175.167	163.655	154.956	150.835
70.5	172.616	169.411	158.357	150.115	146.125
71.0	166.664	163.524	153.255	145.275	141.481
71.5	160.842	157.834	148.088	140.500	136.837
72.0	155.086	152.143	142.986	135.790	132.324
72.5	149.330	146.583	137.949	131.146	127.745
73.0	143.705	141.089	132.978	126.502	123.297
73.5	137.949	135.594	128.007	121.989	118.849
74.0	132.324	130.231	123.101	117.410	114.467
74.5	126.829	124.867	118.261	112.963	110.150
75.0	121.335	119.700	113.486	108.515	105.833
75.5	115.906	114.467	108.776	104.132	101.581
76.0	110.608	109.300	104.132	99.815	97.526
76.5	105.375	104.198	99.554	95.564	93.405
77.0	100.208	99.226	94.975	91.377	89.284
77.5	95.106	94.321	90.527	87.257	85.360
78.0	90.069	89.480	86.079	83.201	81.500
78.5	85.163	84.706	81.828	79.211	77.641
79.0	80.323	80.061	77.641	75.287	73.848
79.5	75.614	75.483	73.455	71.427	70.119
80.0	70.970	70.970	69.400	67.634	66.391
80.5	66.456	66.587	65.410	63.905	62.793
81.0	61.943	62.270	61.485	60.177	59.196
81.5	57.626	58.018	57.626	56.514	55.664
82.0	53.374	53.898	53.832	52.916	52.197
82.5	49.188	49.842	50.038	49.384	48.730

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**CANDELA TABULATION - (Cont.)**

83.0	45.198	45.852	46.310	45.918	45.394
83.5	41.274	42.058	42.713	42.516	42.058
84.0	37.414	38.265	39.180	39.115	38.788
84.5	33.686	34.667	35.714	35.845	35.517
85.0	30.088	31.135	32.378	32.639	32.312
85.5	26.622	27.799	29.107	29.434	29.173
86.0	23.220	24.463	25.837	26.360	26.164
86.5	20.015	21.258	22.697	23.286	23.090
87.0	16.876	18.118	19.557	20.277	20.146
87.5	13.867	15.110	16.549	17.399	17.334
88.0	10.923	12.166	13.671	14.652	14.717
88.5	7.980	9.288	10.923	12.035	12.166
89.0	5.037	6.476	8.176	9.419	9.419
89.5	2.224	3.990	5.625	6.737	6.803
90.0	0.392	1.962	3.728	4.971	5.364
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  
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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**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	327.40	N.A.	15.50
0-30	676.02	N.A.	32.10
0-40	1064.06	N.A.	50.50
0-60	1732.75	N.A.	82.20
0-80	2071.56	N.A.	98.30
0-90	2107.73	N.A.	100.00
10-90	2021.71	N.A.	95.90
20-40	736.66	N.A.	34.90
20-50	1101.58	N.A.	52.30
40-70	886.41	N.A.	42.10
60-80	338.80	N.A.	16.10
70-80	121.09	N.A.	5.70
80-90	36.17	N.A.	1.70
90-110	0.09	N.A.	0.00
90-120	0.09	N.A.	0.00
90-130	0.09	N.A.	0.00
90-150	0.09	N.A.	0.00
90-180	0.09	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2107.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	86.02
10-20	241.38
20-30	348.62
30-40	388.03
40-50	364.92
50-60	303.78
60-70	217.71
70-80	121.09
80-90	36.17
90-100	0.09
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**  
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**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	109	105	101	97	107	103	99	96	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	64	58	69	62	57	67	61	56	65	59	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	35	29	54	42	34	29	41	34	29	40	34	29	39	33	29	27

**IES INDOOR REPORT**  
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**UGR TABLE - CORRECTED**

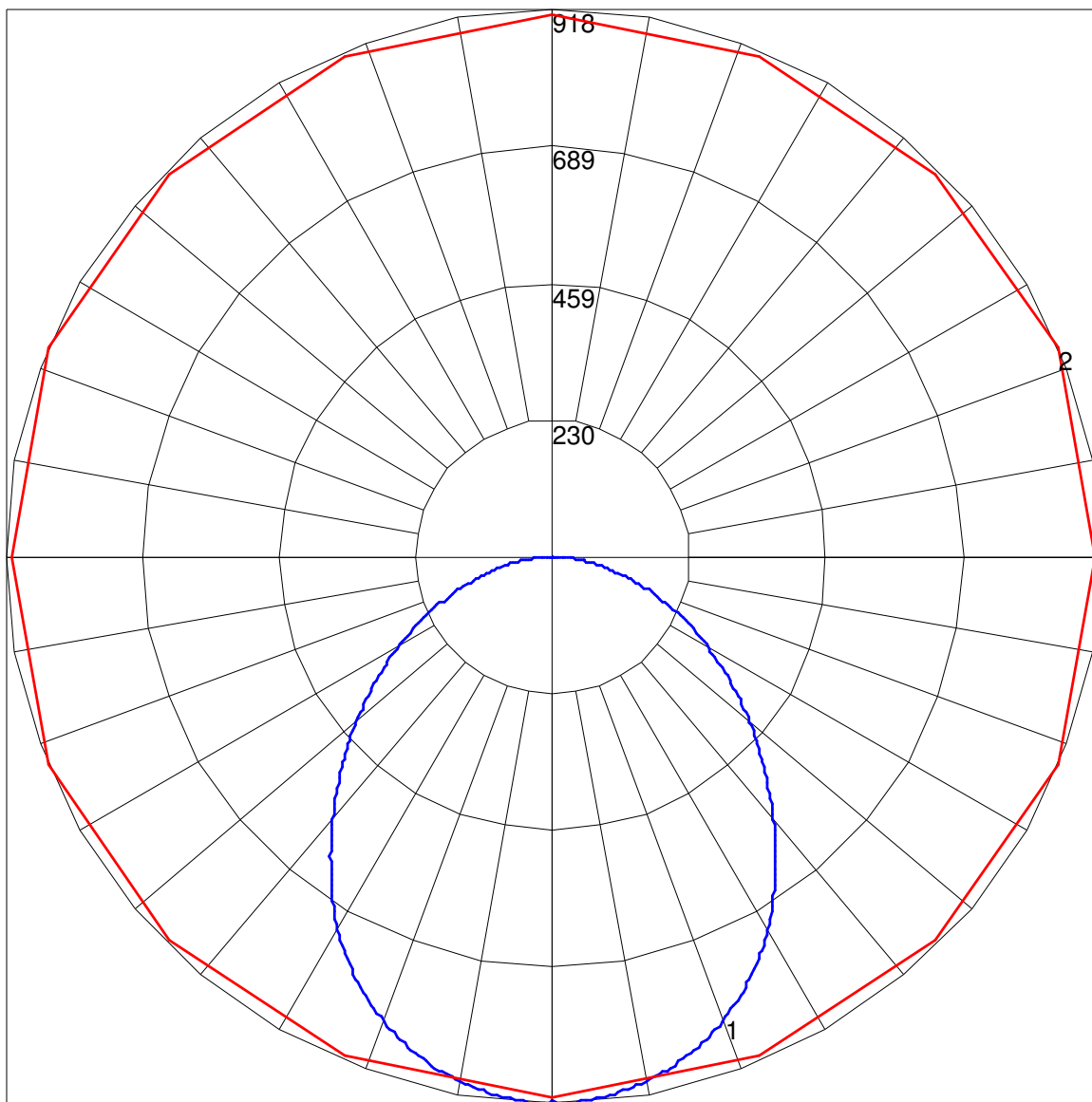
Reflectances

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	19.3	20.8	19.6	21.1	21.4	18.3	19.9	18.6	20.2	20.5
	3H	20.9	22.3	21.3	22.7	23.0	19.9	21.3	20.3	21.7	22.0
	4H	21.5	22.8	21.9	23.2	23.6	20.5	21.9	20.9	22.2	22.6
	6H	21.9	23.2	22.3	23.5	23.9	21.0	22.2	21.4	22.6	23.0
	8H	22.1	23.2	22.5	23.6	24.0	21.2	22.3	21.6	22.7	23.1
	12H	22.1	23.3	22.6	23.7	24.1	21.3	22.4	21.7	22.8	23.2
4H	2H	19.7	21.1	20.1	21.4	21.8	18.9	20.3	19.3	20.6	21.0
	3H	21.6	22.7	22.0	23.1	23.5	20.8	21.9	21.2	22.3	22.7
	4H	22.4	23.4	22.8	23.8	24.2	21.5	22.5	22.0	23.0	23.4
	6H	22.9	23.8	23.4	24.2	24.7	22.1	23.0	22.6	23.5	23.9
	8H	23.1	23.9	23.6	24.3	24.8	22.4	23.2	22.8	23.6	24.1
	12H	23.2	23.9	23.7	24.4	24.9	22.5	23.3	23.0	23.7	24.2
8H	4H	22.6	23.4	23.1	23.8	24.3	21.9	22.7	22.3	23.1	23.6
	6H	23.3	23.9	23.8	24.4	24.9	22.6	23.3	23.1	23.8	24.2
	8H	23.5	24.1	24.0	24.6	25.1	22.9	23.5	23.4	24.0	24.5
	12H	23.7	24.3	24.2	24.7	25.3	23.2	23.7	23.7	24.2	24.7
12H	4H	22.6	23.3	23.1	23.8	24.3	21.9	22.6	22.4	23.1	23.6
	6H	23.3	23.9	23.8	24.4	24.9	22.7	23.3	23.2	23.7	24.3
	8H	23.6	24.1	24.1	24.6	25.2	23.0	23.6	23.5	24.0	24.6

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 918.352 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.)