



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75L-2-L32-835-A12125_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 17755.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 22-JUL-2021

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS INC. - CARTHAGE, MO.

[LUMINAIRE] 22" LED SURFACE MOUNT LUMINAIRE

[MORE] WHITE REFLECTOR w/CLEAR PRISMATIC LENS

[LUMCAT] 75L-2-L32-835-AF12125-DIM-UNV

[_SEARCH_SOURCETYPE]LED

[_SEARCH_APPLICATION]INDOOR,COMMERCIAL,INDUSTRIAL,DIRECT,LINEAR,MANUFACTURING,WAREHOUSE

[_SEARCH_MOUNTING]CEILING,SURFACE,SUSPENDED,WALL

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3694
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	27.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.71 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	53653	41485	33188
55	42960	29074	24300
65	30372	19435	20276
75	23080	14837	18958
85	23662	17543	19990

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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	1779.492	1779.492	1779.492	1779.492	1779.492
5	1809.603	1777.549	1767.836	1761.037	1756.180
10	1786.291	1758.122	1751.323	1743.552	1734.810
15	1751.323	1720.240	1705.670	1714.412	1700.814
20	1694.985	1664.874	1652.247	1657.103	1652.247
25	1613.393	1590.081	1572.597	1553.170	1550.256
30	1524.030	1493.918	1440.495	1397.756	1367.644
35	1407.469	1363.759	1271.482	1161.721	1071.386
40	1235.542	1194.746	1035.447	866.434	804.268
45	1036.418	1011.163	801.354	668.281	641.083
50	847.007	804.268	610.001	522.580	498.297
55	673.138	584.746	455.558	400.191	380.765
60	497.325	400.191	336.083	298.201	297.230
65	350.653	278.774	224.379	225.351	234.093
70	240.892	188.440	150.557	175.812	179.698
75	163.185	129.188	104.905	128.217	134.045
80	114.618	92.277	81.592	89.363	92.277
85	56.338	52.452	41.768	47.596	47.596
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	652.86	N.A.	17.70
0-30	1374.35	N.A.	37.20
0-40	2154.25	N.A.	58.30
0-60	3243.2	N.A.	87.80
0-80	3642.25	N.A.	98.60
0-90	3693.59	N.A.	100.00
10-90	3525.00	N.A.	95.40
20-40	1501.38	N.A.	40.60
20-50	2145.11	N.A.	58.10
40-70	1348.53	N.A.	36.50
60-80	399.06	N.A.	10.80
70-80	139.48	N.A.	3.80
80-90	51.34	N.A.	1.40
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	3693.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	168.59
10-20	484.28
20-30	721.48
30-40	779.90
40-50	643.73
50-60	445.22
60-70	259.58
70-80	139.48
80-90	51.34
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

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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	374	374	374	374	365	365	365	365	349	349	349	334	334	334	320	320	320	314
1	346	333	322	311	338	326	316	306	313	304	297	301	294	288	290	284	279	273
2	319	297	278	263	312	291	274	259	280	266	254	270	258	248	261	251	242	236
3	295	266	243	225	287	261	240	223	252	234	219	244	228	216	236	223	212	206
4	273	239	215	196	266	235	212	195	228	208	192	221	203	189	214	199	187	181
5	253	217	191	172	247	213	189	171	207	186	170	201	182	168	195	179	166	160
6	235	197	172	153	230	194	170	153	189	167	151	184	165	150	179	162	149	143
7	219	180	155	137	214	178	154	137	173	152	136	169	150	135	165	148	134	129
8	205	166	141	124	200	164	140	124	160	138	123	156	137	123	153	135	122	116
9	192	153	129	113	188	151	128	113	148	127	112	145	125	112	142	124	111	106
10	181	142	119	103	177	141	118	103	138	117	103	135	116	102	132	115	102	97

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UGR TABLE - CORRECTED

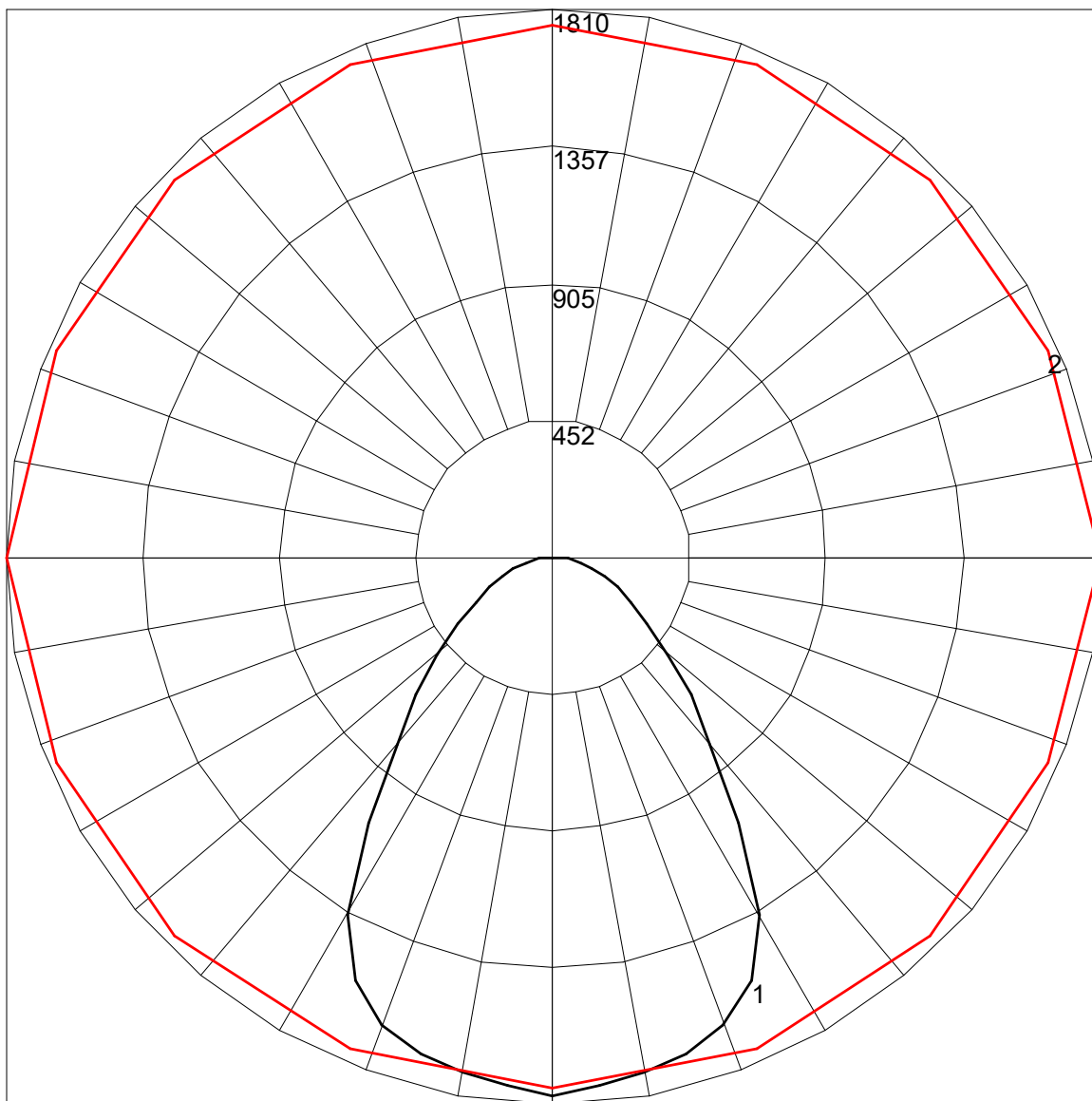
Reflectances

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	20.1	21.6	20.5	21.9	22.2	17.5	18.9	17.8	19.2	19.6
	3H	21.3	22.6	21.6	22.9	23.3	19.0	20.3	19.3	20.6	21.0
	4H	21.7	22.9	22.1	23.3	23.7	19.6	20.8	20.0	21.2	21.6
	6H	22.2	23.3	22.6	23.6	24.0	20.2	21.3	20.6	21.7	22.1
	8H	22.3	23.4	22.8	23.8	24.2	20.4	21.5	20.9	21.9	22.3
	12H	22.5	23.5	22.9	23.9	24.3	20.6	21.6	21.0	22.0	22.5
4H	2H	20.2	21.4	20.6	21.8	22.2	17.9	19.1	18.3	19.5	19.9
	3H	21.5	22.6	22.0	23.0	23.4	19.6	20.6	20.0	21.0	21.4
	4H	22.1	23.0	22.5	23.4	23.9	20.4	21.3	20.9	21.7	22.2
	6H	22.7	23.5	23.2	23.9	24.4	21.2	22.0	21.6	22.4	22.9
	8H	23.0	23.7	23.4	24.2	24.6	21.5	22.2	21.9	22.7	23.1
	12H	23.2	23.9	23.7	24.3	24.8	21.7	22.4	22.2	22.9	23.4
8H	4H	22.2	22.9	22.7	23.4	23.8	20.6	21.4	21.1	21.8	22.3
	6H	22.9	23.5	23.4	24.0	24.5	21.6	22.2	22.1	22.7	23.1
	8H	23.3	23.8	23.8	24.3	24.8	22.0	22.5	22.5	23.0	23.5
	12H	23.6	24.1	24.1	24.6	25.2	22.3	22.8	22.9	23.3	23.9
12H	4H	22.2	22.9	22.7	23.3	23.8	20.7	21.3	21.2	21.8	22.3
	6H	23.0	23.5	23.5	24.0	24.5	21.6	22.2	22.2	22.7	23.2
	8H	23.4	23.8	23.9	24.3	24.9	22.1	22.6	22.6	23.1	23.7

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 1809.603 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)