



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75L-8-L130-835-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] 89" LED SURFACE MOUNT LUMINAIRE

[MORE] WHITE REFLECTOR w/CLEAR PRISMATIC LENS

[LUMCAT] 75L-8-L130-835-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	15067
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	111.4
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)	7.44 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	50246	38850	31080
55	40231	27227	22757
65	28443	18201	18988
75	21614	13895	17754
85	22159	16428	18721

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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	7259.113	7259.113	7259.113	7259.113	7259.113
5	7381.948	7251.188	7211.564	7183.828	7164.016
10	7286.850	7171.940	7144.204	7112.505	7076.843
15	7144.204	7017.407	6957.971	6993.633	6938.159
20	6914.385	6791.550	6740.039	6759.851	6740.039
25	6581.543	6486.446	6415.122	6335.874	6323.987
30	6217.003	6094.168	5876.236	5701.891	5579.056
35	5741.515	5563.207	5186.779	4739.028	4370.525
40	5040.170	4873.750	4223.916	3534.459	3280.866
45	4227.879	4124.856	3268.978	2726.130	2615.183
50	3455.211	3280.866	2488.386	2131.770	2032.710
55	2745.942	2385.364	1858.365	1632.508	1553.260
60	2028.748	1632.508	1370.990	1216.456	1212.494
65	1430.426	1137.208	915.314	919.276	954.938
70	982.675	768.705	614.172	717.194	733.044
75	665.683	526.999	427.939	523.037	546.811
80	467.563	376.428	332.841	364.541	376.428
85	229.819	213.969	170.383	194.158	194.158
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2663.24	N.A.	17.70
0-30	5606.4	N.A.	37.20
0-40	8787.85	N.A.	58.30
0-60	13230.02	N.A.	87.80
0-80	14857.91	N.A.	98.60
0-90	15067.33	N.A.	100.00
10-90	14379.61	N.A.	95.40
20-40	6124.61	N.A.	40.60
20-50	8750.57	N.A.	58.10
40-70	5501.09	N.A.	36.50
60-80	1627.89	N.A.	10.80
70-80	568.96	N.A.	3.80
80-90	209.42	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	15067.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	687.72
10-20	1975.52
20-30	2943.16
30-40	3181.45
40-50	2625.96
50-60	1816.21
60-70	1058.92
70-80	568.96
80-90	209.42
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	392	392	392	392	383	383	383	383	366	366	366	350	350	350	336	336	336	329
1	363	350	338	327	355	342	331	321	329	320	311	316	309	302	304	298	293	286
2	335	312	292	276	327	306	288	272	294	279	266	284	271	260	274	264	255	248
3	309	279	255	236	302	274	252	234	264	246	230	256	240	226	247	234	223	216
4	286	251	225	206	279	247	223	204	239	218	201	232	213	199	225	209	196	190
5	265	227	201	181	259	224	199	180	217	195	178	211	191	176	205	188	175	168
6	247	207	180	161	241	204	179	160	198	176	159	193	173	158	188	170	156	150
7	230	189	163	144	225	187	162	144	182	159	143	177	157	142	173	155	141	135
8	215	174	148	130	210	172	147	130	168	145	129	164	143	129	160	142	128	122
9	202	161	136	119	198	159	135	118	155	133	118	152	132	117	149	130	117	111
10	190	149	125	109	186	148	124	108	144	123	108	141	122	107	139	120	107	102

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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

X=2H	Y=2H	19.7	21.2	20.1	21.5	21.8	17.1	18.5	17.4	18.8	19.1
	3H	20.8	22.1	21.2	22.5	22.8	18.6	19.9	18.9	20.2	20.6
	4H	21.3	22.5	21.7	22.9	23.2	19.2	20.4	19.6	20.8	21.2
	6H	21.7	22.9	22.2	23.2	23.6	19.8	20.9	20.2	21.3	21.7
	8H	21.9	23.0	22.3	23.4	23.8	20.0	21.1	20.5	21.5	21.9
	12H	22.1	23.1	22.5	23.5	23.9	20.2	21.2	20.6	21.6	22.0

UGR Viewed Endwise

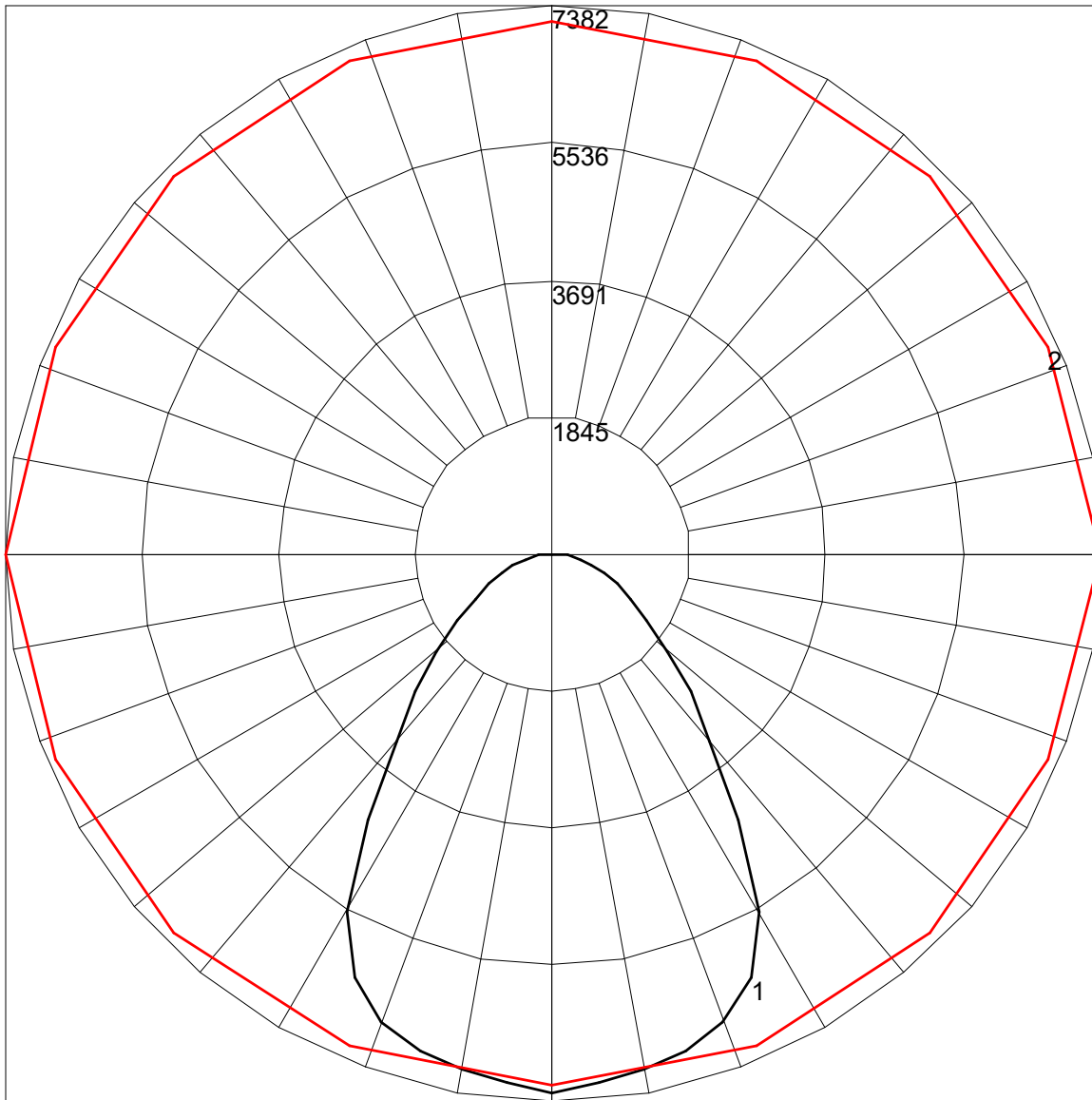
4H	2H	19.8	21.0	20.2	21.4	21.8	17.5	18.7	17.9	19.1	19.5
	3H	21.1	22.1	21.5	22.5	22.9	19.2	20.2	19.6	20.6	21.0
	4H	21.7	22.6	22.1	23.0	23.5	20.0	20.9	20.4	21.3	21.8
	6H	22.3	23.1	22.8	23.5	24.0	20.8	21.6	21.2	22.0	22.5
	8H	22.6	23.3	23.0	23.7	24.2	21.1	21.8	21.5	22.3	22.7
	12H	22.8	23.4	23.3	23.9	24.4	21.3	22.0	21.8	22.5	22.9

8H	4H	21.8	22.5	22.2	23.0	23.4	20.2	21.0	20.7	21.4	21.9
	6H	22.5	23.1	23.0	23.6	24.1	21.1	21.8	21.6	22.3	22.7
	8H	22.9	23.4	23.4	23.9	24.4	21.6	22.1	22.1	22.6	23.1
	12H	23.2	23.7	23.7	24.2	24.7	21.9	22.4	22.4	22.9	23.5

12H	4H	21.8	22.5	22.3	22.9	23.4	20.3	20.9	20.8	21.4	21.9
	6H	22.5	23.1	23.1	23.6	24.1	21.2	21.8	21.7	22.2	22.8
	8H	22.9	23.4	23.5	23.9	24.5	21.7	22.2	22.2	22.7	23.2

Maximum UGR = 24.7

POLAR GRAPH



Maximum Candela = 7381.948 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.)