



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75L-8-L130-835-DMA_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 17956.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 22-JUL-2021

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 89" LED STRIP SURFACE MOUNT LUMINAIRE

[MORE] WHITE REFL w/.104"THK FROSTED ACRYLIC LENS

[LUMCAT] 75L-8-L130-835-DMA-DIM-UNV

[_SEARCH_SOURCE]TYPE]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	13093
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	111.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.24
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	41929	36844	32001
55	36168	30745	26069
65	30451	24780	20729
75	23925	18853	15876
85	16370	11786	11132

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : 75L-8-L130-835-DMA_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	5832.220	5832.220	5832.220	5832.220	5832.220
5	5950.908	5819.032	5799.251	5746.500	5700.343
10	5838.813	5736.609	5690.453	5644.296	5575.061
15	5660.781	5578.358	5502.529	5449.779	5354.169
20	5423.404	5344.278	5245.371	5159.652	5050.854
25	5120.089	5037.666	4895.899	4796.992	4651.929
30	4770.617	4671.710	4483.787	4368.395	4183.769
35	4365.098	4256.300	4028.814	3863.969	3692.530
40	3906.829	3791.437	3547.466	3343.059	3165.026
45	3425.481	3283.714	3010.071	2838.633	2614.443
50	2917.758	2795.773	2508.942	2321.019	2146.283
55	2396.848	2321.019	2037.485	1852.859	1727.577
60	1915.500	1849.562	1605.591	1457.231	1351.730
65	1486.903	1407.777	1209.963	1111.056	1012.149
70	1091.275	992.367	857.195	774.772	715.428
75	715.428	633.005	563.770	487.941	474.754
80	412.113	342.878	306.612	267.049	273.643
85	164.845	118.688	118.688	98.907	112.095
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75L-8-L130-835-DMA_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2101.22	N.A.	16.00
0-30	4355.98	N.A.	33.30
0-40	6882.08	N.A.	52.60
0-60	11088.04	N.A.	84.70
0-80	12943.13	N.A.	98.90
0-90	13093.43	N.A.	100.00
10-90	12543.29	N.A.	95.80
20-40	4780.86	N.A.	36.50
20-50	7128.55	N.A.	54.40
40-70	5444.8	N.A.	41.60
60-80	1855.09	N.A.	14.20
70-80	616.25	N.A.	4.70
80-90	150.30	N.A.	1.10
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	13093.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	550.14
10-20	1551.08
20-30	2254.76
30-40	2526.1
40-50	2347.69
50-60	1858.27
60-70	1238.84
70-80	616.25
80-90	150.30
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 : 75L-8-L130-835-DMA_.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	392	392	392	392	383	383	383	383	366	366	366	350	350	350	336	336	336	329
1	362	348	335	323	353	340	329	318	326	317	308	314	306	299	302	296	290	283
2	332	307	286	269	324	301	282	266	289	274	260	279	266	254	269	258	248	242
3	305	273	248	228	297	268	244	226	258	238	222	249	232	218	241	227	214	208
4	281	244	217	196	273	240	214	195	231	209	192	224	205	190	217	201	187	180
5	259	219	192	171	253	216	190	170	209	186	168	203	182	167	197	179	165	158
6	240	199	171	151	234	196	169	150	190	167	149	185	164	148	180	161	147	140
7	224	181	154	135	218	179	153	134	174	150	133	169	148	132	165	146	131	125
8	209	166	139	121	204	164	138	121	160	137	120	156	135	119	152	133	119	113
9	196	153	127	110	191	151	126	109	148	125	109	144	123	108	141	122	108	102
10	184	142	117	100	180	140	116	100	137	115	99	134	113	99	131	112	99	93

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75L-8-L130-835-DMA_.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	20.3	21.8	20.7	22.1	22.4	18.5	20.1	18.9	20.4	20.7
	3H	21.8	23.1	22.1	23.5	23.8	19.8	21.2	20.2	21.5	21.9
	4H	22.3	23.6	22.7	23.9	24.3	20.3	21.6	20.7	21.9	22.3
	6H	22.6	23.8	23.0	24.2	24.6	20.6	21.8	21.0	22.1	22.5
	8H	22.8	23.9	23.2	24.3	24.7	20.7	21.8	21.1	22.2	22.6
	12H	22.8	23.9	23.2	24.3	24.7	20.7	21.8	21.1	22.2	22.6

UGR Viewed Endwise

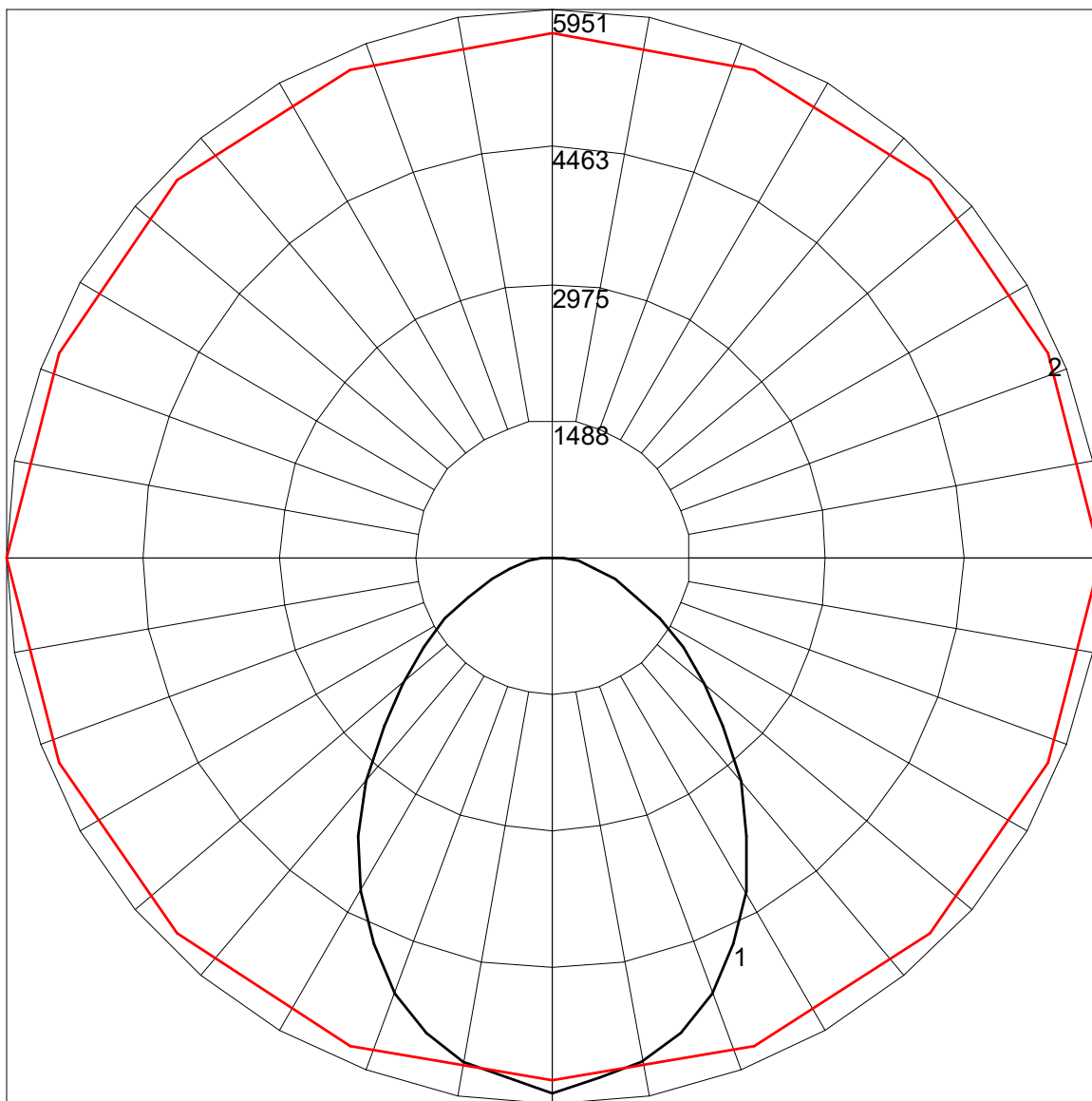
4H	2H	20.6	21.9	21.0	22.3	22.6	19.2	20.5	19.6	20.8	21.2
	3H	22.3	23.4	22.7	23.8	24.2	20.7	21.8	21.1	22.2	22.6
	4H	22.9	23.9	23.3	24.3	24.7	21.2	22.2	21.6	22.6	23.0
	6H	23.4	24.2	23.8	24.7	25.1	21.6	22.4	22.0	22.9	23.3
	8H	23.5	24.3	24.0	24.8	25.2	21.7	22.5	22.2	22.9	23.4
	12H	23.6	24.3	24.1	24.8	25.3	21.8	22.5	22.3	23.0	23.4

8H	4H	23.0	23.8	23.5	24.3	24.7	21.5	22.3	21.9	22.7	23.2
	6H	23.6	24.2	24.1	24.7	25.2	21.9	22.6	22.4	23.1	23.6
	8H	23.8	24.4	24.3	24.9	25.4	22.1	22.7	22.6	23.2	23.7
	12H	23.9	24.4	24.4	24.9	25.5	22.2	22.7	22.7	23.2	23.8

12H	4H	23.0	23.7	23.5	24.2	24.7	21.5	22.2	22.0	22.7	23.2
	6H	23.6	24.2	24.1	24.7	25.2	22.0	22.6	22.5	23.0	23.6
	8H	23.8	24.3	24.3	24.8	25.4	22.2	22.7	22.7	23.2	23.8

Maximum UGR = 25.5

POLAR GRAPH



Maximum Candela = 5950.908 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.)