



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75L-2-L15-835-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] 22" LED STRIP SURFACE MOUNT LUMINAIRE

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

[LUMCAT] 75L-2-L15-835-DMA-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	1514
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	12.5
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)	1.70 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	21245	18669	16215
55	18326	15579	13209
65	15430	12556	10503
75	12123	9553	8045
85	8295	5973	5641

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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	674.456	674.456	674.456	674.456	674.456
5	688.182	672.931	670.644	664.543	659.206
10	675.219	663.400	658.062	652.724	644.718
15	654.630	645.099	636.330	630.230	619.173
20	627.179	618.029	606.591	596.678	584.097
25	592.103	582.572	566.177	554.739	537.964
30	551.689	540.251	518.519	505.175	483.824
35	504.794	492.212	465.905	446.842	427.016
40	451.798	438.454	410.240	386.602	366.014
45	396.133	379.739	348.094	328.268	302.342
50	337.419	323.312	290.142	268.410	248.203
55	277.179	268.410	235.621	214.270	199.782
60	221.514	213.889	185.676	168.519	156.318
65	171.950	162.800	139.924	128.486	117.048
70	126.198	114.760	99.129	89.597	82.734
75	82.734	73.203	65.196	56.427	54.902
80	47.658	39.651	35.458	30.882	31.645
85	19.063	13.726	13.726	11.438	12.963
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	242.99	N.A.	16.00
0-30	503.74	N.A.	33.30
0-40	795.87	N.A.	52.60
0-60	1282.26	N.A.	84.70
0-80	1496.78	N.A.	98.90
0-90	1514.17	N.A.	100.00
10-90	1450.55	N.A.	95.80
20-40	552.87	N.A.	36.50
20-50	824.37	N.A.	54.40
40-70	629.65	N.A.	41.60
60-80	214.53	N.A.	14.20
70-80	71.26	N.A.	4.70
80-90	17.38	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	1514.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	63.62
10-20	179.37
20-30	260.75
30-40	292.13
40-50	271.49
50-60	214.90
60-70	143.26
70-80	71.26
80-90	17.38
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	176	176	176	176	172	172	172	172	164	164	164	157	157	157	151	151	151	148
1	163	156	150	145	159	153	148	143	147	142	138	141	137	134	136	133	130	127
2	149	138	129	121	145	135	127	120	130	123	117	125	119	114	121	116	112	109
3	137	123	111	102	133	120	110	101	116	107	100	112	104	98	108	102	96	93
4	126	110	97	88	123	108	96	88	104	94	86	101	92	85	97	90	84	81
5	117	99	86	77	114	97	85	76	94	84	76	91	82	75	88	80	74	71
6	108	89	77	68	105	88	76	68	85	75	67	83	74	66	81	72	66	63
7	101	81	69	60	98	80	69	60	78	68	60	76	67	59	74	66	59	56
8	94	75	63	54	92	74	62	54	72	61	54	70	61	54	68	60	53	51
9	88	69	57	49	86	68	57	49	66	56	49	65	55	49	63	55	48	46
10	83	64	52	45	81	63	52	45	62	52	45	60	51	45	59	50	44	42

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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	20.7	22.2	21.1	22.6	22.9	19.0	20.5	19.3	20.8	21.1
	3H	22.2	23.6	22.6	23.9	24.3	20.3	21.7	20.6	22.0	22.3
	4H	22.7	24.0	23.1	24.4	24.7	20.7	22.0	21.1	22.3	22.7
	6H	23.1	24.3	23.5	24.6	25.0	21.0	22.2	21.4	22.6	23.0
	8H	23.2	24.3	23.6	24.7	25.1	21.1	22.2	21.5	22.6	23.0
	12H	23.2	24.3	23.7	24.7	25.1	21.1	22.2	21.6	22.6	23.0

UGR Viewed Endwise

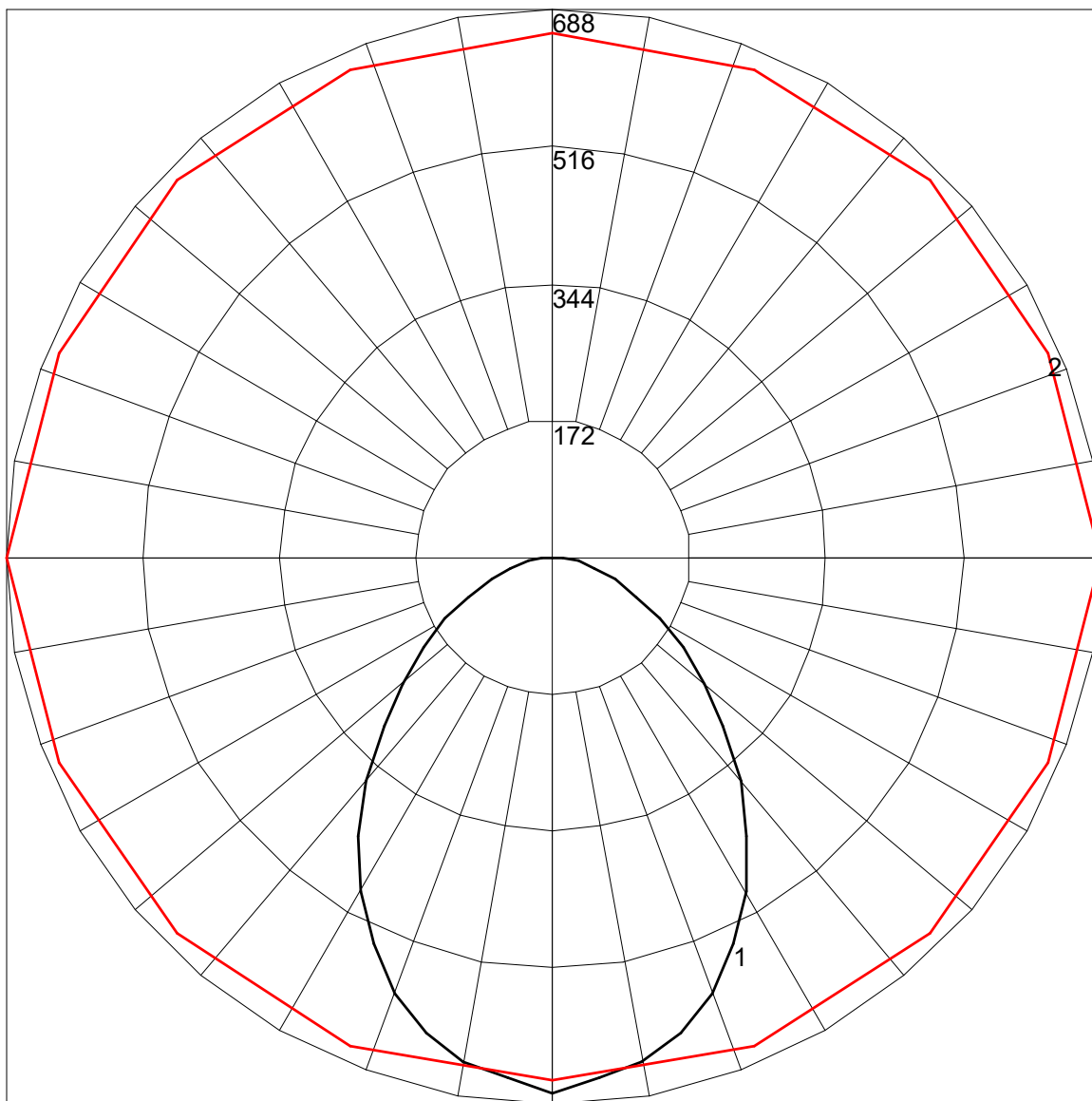
4H	2H	21.0	22.3	21.4	22.7	23.1	19.6	20.9	20.0	21.2	21.6
	3H	22.7	23.8	23.1	24.2	24.6	21.1	22.2	21.5	22.6	23.0
	4H	23.3	24.3	23.8	24.7	25.2	21.6	22.6	22.0	23.0	23.4
	6H	23.8	24.7	24.3	25.1	25.6	22.0	22.9	22.5	23.3	23.8
	8H	24.0	24.8	24.4	25.2	25.7	22.1	22.9	22.6	23.4	23.8
	12H	24.1	24.8	24.5	25.2	25.7	22.2	22.9	22.7	23.4	23.9

8H	4H	23.5	24.3	23.9	24.7	25.2	21.9	22.7	22.4	23.1	23.6
	6H	24.0	24.7	24.5	25.2	25.6	22.4	23.0	22.9	23.5	24.0
	8H	24.2	24.8	24.7	25.3	25.8	22.5	23.1	23.1	23.6	24.1
	12H	24.4	24.9	24.9	25.4	25.9	22.7	23.2	23.2	23.7	24.2

12H	4H	23.5	24.2	24.0	24.7	25.1	21.9	22.6	22.4	23.1	23.6
	6H	24.0	24.6	24.6	25.1	25.6	22.4	23.0	23.0	23.5	24.0
	8H	24.3	24.8	24.8	25.3	25.8	22.6	23.1	23.1	23.6	24.2

Maximum UGR = 25.9

POLAR GRAPH



Maximum Candela = 688.182 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.)