

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75L-4-L50-835-DMA-EM10WLP-DIM-UNV (EMER MODE ONLY)\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 17957.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 07-21-2023

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 88 LEDS (2,22" BOARDS) 44" STRIP SURFACE MOUNT LUMINAIRE

[LUMCAT] 75L-4-L50-835-DMA-EM10WLP-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	1220
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.70 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	7942	7066	5838
55	6883	5924	4838
65	5821	4920	3807
75	4652	3743	2807
85	3295	2461	1747

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	535.290	535.290	535.290	535.290	535.290
<b>5</b>	545.225	534.694	532.906	528.534	522.375
<b>10</b>	536.681	525.156	522.971	518.401	510.652
<b>15</b>	521.977	509.658	506.082	499.922	491.179
<b>20</b>	499.922	488.199	481.244	471.707	461.375
<b>25</b>	474.091	462.368	452.036	437.928	427.795
<b>30</b>	441.505	429.384	417.860	399.381	385.075
<b>35</b>	402.958	391.036	377.723	357.059	337.388
<b>40</b>	364.609	350.899	333.414	309.769	283.938
<b>45</b>	322.485	306.590	286.919	261.883	237.046
<b>50</b>	274.003	262.081	238.039	215.189	195.915
<b>55</b>	226.713	217.573	195.121	172.866	159.355
<b>60</b>	184.192	175.052	155.977	136.704	123.192
<b>65</b>	141.274	136.505	119.417	102.528	92.394
<b>70</b>	102.329	100.143	84.446	70.537	64.775
<b>75</b>	69.147	65.967	55.635	45.104	41.726
<b>80</b>	38.746	35.567	31.593	24.440	23.049
<b>85</b>	16.492	12.915	12.319	8.941	8.743
<b>90</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : 75L-4-L50-835-DMA-EM10WLP-DIM-UNV (EMER MODE ONLY).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	192.75	N.A.	15.80
0-30	399.99	N.A.	32.80
0-40	633.57	N.A.	51.90
0-60	1027.37	N.A.	84.20
0-80	1205.24	N.A.	98.80
0-90	1219.95	N.A.	100.00
10-90	1169.44	N.A.	95.90
20-40	440.81	N.A.	36.10
20-50	659.73	N.A.	54.10
40-70	511.98	N.A.	42.00
60-80	177.88	N.A.	14.60
70-80	59.70	N.A.	4.90
80-90	14.70	N.A.	1.20
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	1219.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	50.51
10-20	142.25
20-30	207.24
30-40	233.57
40-50	218.92
50-60	174.88
60-70	118.18
70-80	59.70
80-90	14.70
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	100	96	99	96	93	95	93	91	91	90	88	86
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	50	48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	45	40	50	44	40	38
8	63	50	42	36	62	49	42	36	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	40	34	30	28

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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	18.7	20.2	19.0	20.5	20.9	16.9	18.4	17.2	18.7	19.0
	3H	20.2	21.6	20.6	22.0	22.3	18.1	19.5	18.5	19.8	20.2
	4H	20.8	22.1	21.2	22.4	22.8	18.5	19.8	18.9	20.2	20.5
	6H	21.2	22.4	21.6	22.7	23.1	18.8	20.0	19.2	20.3	20.7
	8H	21.3	22.4	21.7	22.8	23.2	18.8	20.0	19.3	20.4	20.8
	12H	21.3	22.4	21.8	22.8	23.2	18.9	20.0	19.3	20.4	20.8

### UGR Viewed Endwise

4H	2H	19.1	20.4	19.5	20.7	21.1	17.6	18.9	18.0	19.2	19.6
	3H	20.8	21.9	21.2	22.3	22.7	19.0	20.1	19.4	20.5	20.9
	4H	21.5	22.5	21.9	22.9	23.3	19.5	20.5	19.9	20.9	21.3
	6H	22.0	22.8	22.5	23.3	23.7	19.9	20.7	20.3	21.1	21.6
	8H	22.2	22.9	22.6	23.4	23.9	20.0	20.7	20.4	21.2	21.7
	12H	22.3	23.0	22.7	23.4	23.9	20.0	20.7	20.5	21.2	21.7

8H	4H	21.7	22.4	22.1	22.9	23.4	19.9	20.6	20.3	21.1	21.6
	6H	22.2	22.9	22.7	23.4	23.8	20.3	20.9	20.8	21.4	21.9
	8H	22.4	23.0	22.9	23.5	24.0	20.4	21.0	20.9	21.5	22.0
	12H	22.6	23.1	23.1	23.6	24.2	20.5	21.0	21.0	21.5	22.1

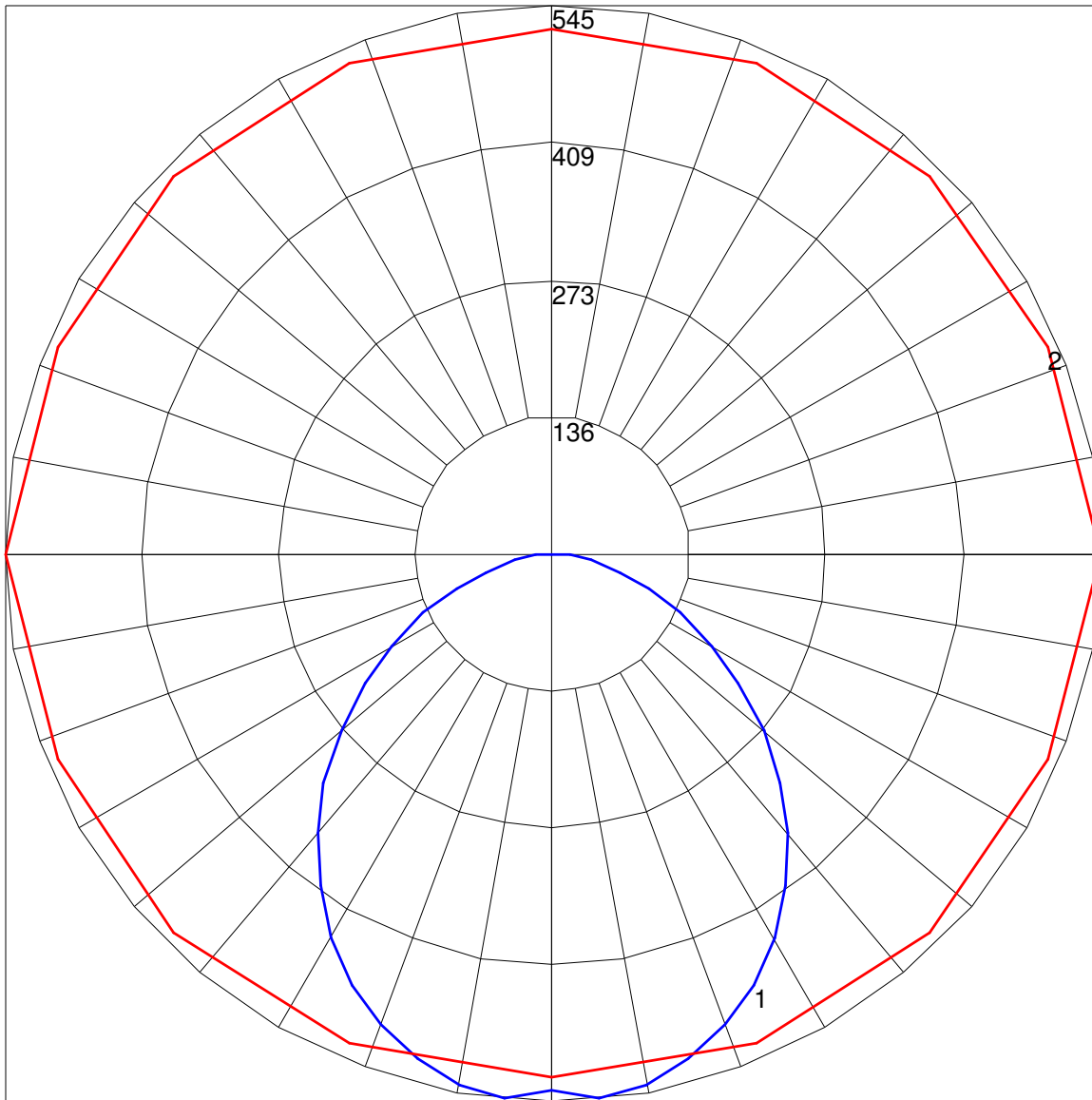
12H	4H	21.6	22.4	22.1	22.8	23.3	19.9	20.6	20.4	21.1	21.5
	6H	22.2	22.8	22.8	23.3	23.8	20.3	20.9	20.9	21.4	21.9
	8H	22.5	23.0	23.0	23.5	24.1	20.5	21.1	21.0	21.5	22.1

Maximum UGR = 24.2

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## POLAR GRAPH



Maximum Candela = 545.225 Located At Horizontal Angle = 0, Vertical Angle = 5

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)