



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75L-2-L20-835-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-L20-835-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	2024
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	17
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	28402	24958	21677
55	24500	20827	17659
65	20628	16786	14041
75	16206	12771	10754
85	11089	7984	7541

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75L-2-L20-835-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	901.651	901.651	901.651	901.651	901.651
5	920.000	899.612	896.554	888.399	881.263
10	902.670	886.870	879.734	872.598	861.895
15	875.147	862.404	850.681	842.526	827.745
20	838.449	826.216	810.925	797.673	780.853
25	791.557	778.814	756.897	741.606	719.180
30	737.529	722.238	693.185	675.346	646.803
35	674.836	658.016	622.848	597.363	570.859
40	603.989	586.149	548.432	516.831	489.307
45	529.573	507.656	465.352	438.848	404.188
50	451.080	432.222	387.878	358.825	331.812
55	370.548	358.825	314.992	286.449	267.080
60	296.133	285.939	248.222	225.285	208.975
65	229.873	217.640	187.058	171.767	156.476
70	168.709	153.418	132.521	119.778	110.604
75	110.604	97.861	87.158	75.435	73.396
80	63.712	53.008	47.402	41.285	42.305
85	25.485	18.349	18.349	15.291	17.330
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75L-2-L20-835-DMA_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	324.84	N.A.	16.00
0-30	673.43	N.A.	33.30
0-40	1063.96	N.A.	52.60
0-60	1714.19	N.A.	84.70
0-80	2000.98	N.A.	98.90
0-90	2024.22	N.A.	100.00
10-90	1939.17	N.A.	95.80
20-40	739.11	N.A.	36.50
20-50	1102.06	N.A.	54.40
40-70	841.76	N.A.	41.60
60-80	286.79	N.A.	14.20
70-80	95.27	N.A.	4.70
80-90	23.24	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	2024.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	85.05
10-20	239.79
20-30	348.58
30-40	390.53
40-50	362.95
50-60	287.29
60-70	191.52
70-80	95.27
80-90	23.24
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-2-L20-835-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	236	236	236	236	230	230	230	230	220	220	220	211	211	211	202	202	202	198
1	217	209	201	194	212	204	197	191	196	190	185	188	184	179	181	178	174	170
2	199	184	172	162	194	181	169	160	174	164	156	167	160	153	162	155	149	145
3	183	164	149	137	178	161	147	136	155	143	133	150	140	131	145	136	129	125
4	169	146	130	118	164	144	129	117	139	126	115	135	123	114	130	121	112	108
5	156	132	115	103	152	130	114	102	126	112	101	122	110	100	118	108	99	95
6	144	119	103	91	141	118	102	90	114	100	90	111	98	89	108	97	88	84
7	134	109	92	81	131	107	92	81	104	90	80	102	89	79	99	88	79	75
8	125	100	84	73	122	99	83	73	96	82	72	94	81	72	91	80	71	68
9	117	92	76	66	115	91	76	66	89	75	65	87	74	65	85	73	65	61
10	110	85	70	60	108	84	70	60	82	69	60	80	68	59	79	67	59	56

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75L-2-L20-835-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	20.7	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

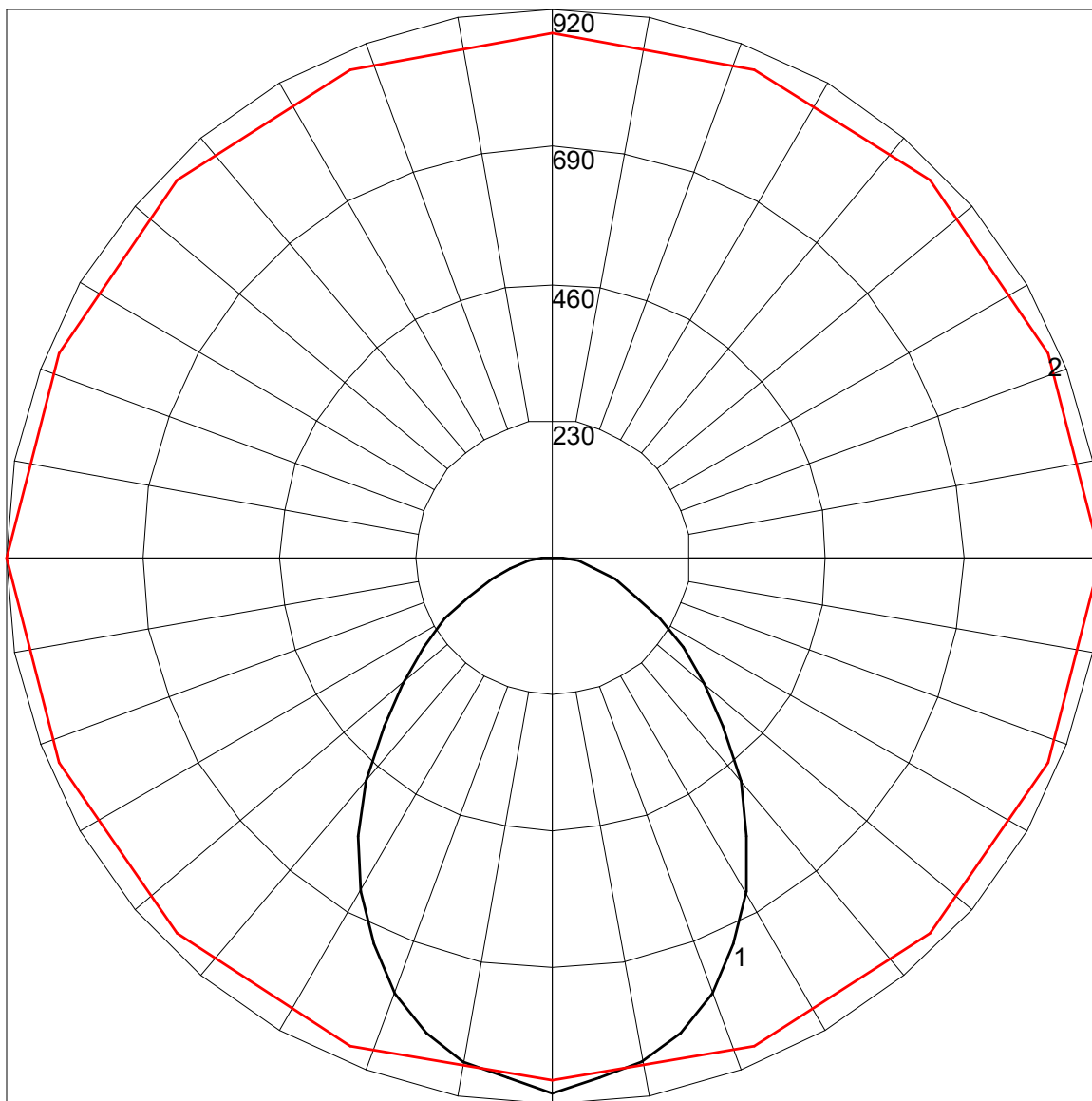
4H	2H	21.0	22.3	21.4	22.7	23.1	19.6	20.9	20.0	21.2	21.6
	3H	22.7	23.8	23.1	24.2	24.6	21.1	22.2	21.5	22.6	23.0
	4H	23.3	24.3	23.8	24.7	25.2	21.6	22.6	22.0	23.0	23.4
	6H	23.8	24.7	24.3	25.1	25.6	22.0	22.9	22.5	23.3	23.8
	8H	24.0	24.8	24.4	25.2	25.7	22.1	22.9	22.6	23.4	23.8
	12H	24.1	24.8	24.5	25.2	25.7	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 = 920 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.)