



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75L-2-L20-835-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] 22" LED SURFACE MOUNT LUMINAIRE

[MORE] WHITE REFLECTOR w/CLEAR PRISMATIC LENS

[LUMCAT] 75L-2-L20-835-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	2329
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	17
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)	1.71 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	33827	26155	20924
55	27085	18330	15321
65	19149	12253	12784
75	14551	9354	11953
85	14918	11060	12603

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75L-2-L20-835-A12125_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1121.937	1121.937	1121.937	1121.937	1121.937
5	1140.922	1120.712	1114.588	1110.302	1107.239
10	1126.224	1108.464	1104.177	1099.278	1093.766
15	1104.177	1084.580	1075.394	1080.906	1072.332
20	1068.658	1049.673	1041.711	1044.774	1041.711
25	1017.215	1002.517	991.494	979.246	977.408
30	960.873	941.888	908.206	881.260	862.275
35	887.384	859.825	801.646	732.444	675.490
40	778.987	753.266	652.830	546.271	507.076
45	653.443	637.520	505.239	421.339	404.191
50	534.023	507.076	384.594	329.477	314.167
55	424.401	368.672	287.221	252.313	240.065
60	313.555	252.313	211.894	188.010	187.398
65	221.080	175.762	141.467	142.079	147.591
70	151.878	118.808	94.924	110.846	113.296
75	102.885	81.451	66.140	80.838	84.513
80	72.265	58.179	51.443	56.342	58.179
85	35.520	33.070	26.334	30.008	30.008
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75L-2-L20-835-A12125_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	411.62	N.A.	17.70
0-30	866.50	N.A.	37.20
0-40	1358.21	N.A.	58.30
0-60	2044.78	N.A.	87.80
0-80	2296.37	N.A.	98.60
0-90	2328.74	N.A.	100.00
10-90	2222.45	N.A.	95.40
20-40	946.59	N.A.	40.60
20-50	1352.45	N.A.	58.10
40-70	850.23	N.A.	36.50
60-80	251.60	N.A.	10.80
70-80	87.94	N.A.	3.80
80-90	32.37	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	2328.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.29
10-20	305.33
20-30	454.88
30-40	491.71
40-50	405.86
50-60	280.71
60-70	163.66
70-80	87.94
80-90	32.37
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-A12125_.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	210	210	210	202	202	202	198
1	218	210	203	196	213	206	199	193	197	192	187	190	185	181	183	179	176	172
2	201	187	175	166	196	184	173	164	177	168	160	170	163	156	165	158	153	149
3	186	168	153	142	181	164	151	141	159	148	138	154	144	136	149	141	134	130
4	172	151	135	123	168	148	134	123	143	131	121	139	128	119	135	126	118	114
5	159	137	120	109	156	134	119	108	130	117	107	127	115	106	123	113	105	101
6	148	124	108	97	145	122	107	96	119	106	95	116	104	95	113	102	94	90
7	138	114	98	87	135	112	97	86	109	96	86	107	94	85	104	93	85	81
8	129	105	89	78	126	103	88	78	101	87	78	98	86	77	96	85	77	73
9	121	97	81	71	119	95	81	71	93	80	71	91	79	70	89	78	70	67
10	114	90	75	65	112	89	75	65	87	74	65	85	73	65	83	72	64	61

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75L-2-L20-835-A12125_.IES

UGR TABLE - CORRECTED

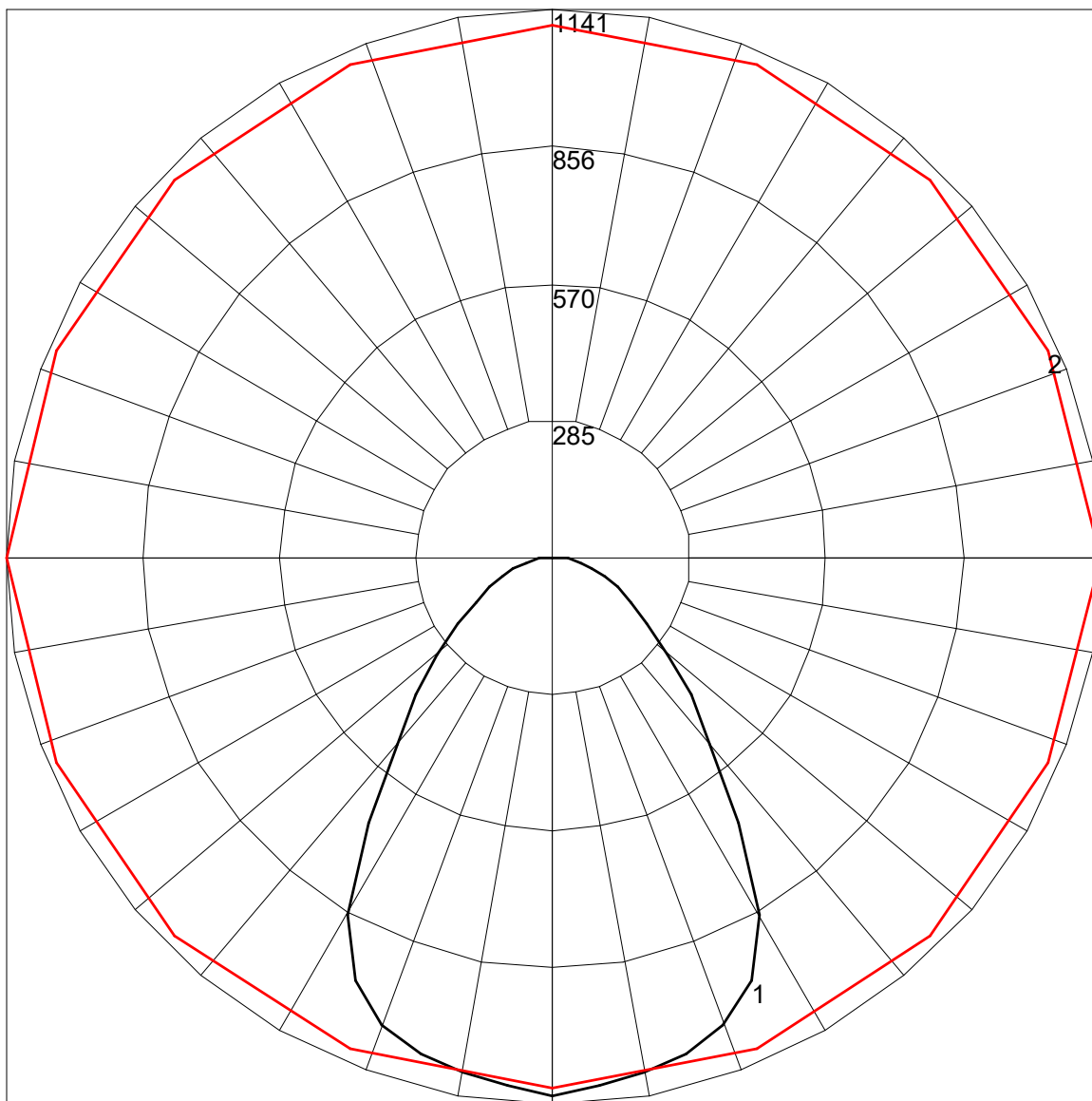
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	20.1	21.6	20.5	21.9	22.2	17.5	18.9	17.8	19.2	19.6
	3H	21.3	22.6	21.6	22.9	23.3	19.0	20.3	19.3	20.6	21.0
	4H	21.7	22.9	22.1	23.3	23.7	19.6	20.8	20.0	21.2	21.6
	6H	22.2	23.3	22.6	23.6	24.0	20.2	21.3	20.6	21.7	22.1
	8H	22.3	23.4	22.8	23.8	24.2	20.4	21.5	20.9	21.9	22.3
	12H	22.5	23.5	22.9	23.9	24.3	20.6	21.6	21.0	22.0	22.5
4H	2H	20.2	21.4	20.6	21.8	22.2	17.9	19.1	18.3	19.5	19.9
	3H	21.5	22.6	22.0	23.0	23.4	19.6	20.6	20.0	21.0	21.4
	4H	22.1	23.0	22.5	23.4	23.9	20.4	21.3	20.9	21.7	22.2
	6H	22.7	23.5	23.2	23.9	24.4	21.2	22.0	21.6	22.4	22.9
	8H	23.0	23.7	23.4	24.2	24.6	21.5	22.2	21.9	22.7	23.1
	12H	23.2	23.9	23.7	24.3	24.8	21.7	22.4	22.2	22.9	23.4
8H	4H	22.2	22.9	22.7	23.4	23.8	20.6	21.4	21.1	21.8	22.3
	6H	22.9	23.5	23.4	24.0	24.5	21.6	22.2	22.1	22.7	23.1
	8H	23.3	23.8	23.8	24.3	24.8	22.0	22.5	22.5	23.0	23.5
	12H	23.6	24.1	24.1	24.6	25.2	22.3	22.8	22.9	23.3	23.9
12H	4H	22.2	22.9	22.7	23.3	23.8	20.7	21.3	21.2	21.8	22.3
	6H	23.0	23.5	23.5	24.0	24.5	21.6	22.2	22.2	22.7	23.2
	8H	23.4	23.8	23.9	24.3	24.9	22.1	22.6	22.6	23.1	23.7

Maximum UGR = 25.2

POLAR GRAPH



Maximum Candela = 1140.922 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.)