



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75R-2-L25-835-(L18)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN FROM BALLABS TEST NO. 19750.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 10-05-2021

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 2' SURFACE MOUNT STRIP LUMINAIRE

[MORE] WHITE REFLECTOR w/FROSTED ACRYLIC ROUND LENS

[LUMCAT] 75R-2-L25-835-(L18)-DIM-UNV

[SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Commercial, Industrial, Manufacturing, Utility, Warehouse, Linear

[_SEARCH_MOUNTING] Surface, Suspended

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1802
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	12.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.10 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12143	10394	10522
55	9916	8861	9263
65	8029	7406	7803
75	5241	6043	6394
85	2716	5132	5243

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75R-2-L25-835-(L18)-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	577.158	577.158	577.158	577.158	577.158
5	583.494	574.954	575.230	573.852	568.067
10	573.852	566.689	568.067	567.240	562.006
15	557.047	551.813	555.670	557.323	551.813
20	531.702	530.324	536.936	539.691	536.385
25	501.948	503.877	513.244	519.580	517.101
30	467.787	470.542	486.521	496.163	495.612
35	426.188	431.147	454.288	467.787	469.716
40	381.833	385.415	414.617	435.004	439.687
45	329.490	338.581	372.191	399.189	405.801
50	275.218	289.819	330.867	360.345	368.610
55	223.149	242.158	288.441	319.296	331.143
60	179.621	197.253	247.668	278.524	290.921
65	138.022	157.307	209.650	237.751	248.495
70	96.698	122.594	173.561	198.080	208.548
75	59.507	92.566	140.226	163.367	172.459
80	33.059	63.914	111.850	133.339	139.124
85	14.050	44.079	89.260	107.718	111.575
90	1.928	30.304	69.149	85.403	90.637
95	0.275	20.662	55.374	67.771	73.281
100	0.000	13.499	42.977	55.374	59.782
105	0.000	9.642	33.335	45.181	48.762
110	0.000	6.612	25.621	36.916	39.946
115	0.000	5.510	20.937	30.855	33.059
120	0.000	4.132	15.979	25.345	27.549
125	0.000	2.479	11.846	20.111	22.590
130	0.000	1.653	8.540	15.703	17.907
135	0.000	0.826	6.336	12.397	14.050
140	0.000	0.826	4.408	9.642	11.020
145	0.000	0.000	2.755	6.061	7.714
150	0.000	0.000	1.928	4.408	5.510
155	0.000	0.000	1.377	2.204	3.581
160	0.000	0.000	0.551	1.653	1.928
165	0.000	0.000	0.000	0.551	0.826
170	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75R-2-L25-835-(L18)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	211.05	N.A.	11.70
0-30	446.80	N.A.	24.80
0-40	728.11	N.A.	40.40
0-60	1265.78	N.A.	70.20
0-80	1600.43	N.A.	88.80
0-90	1684.54	N.A.	93.50
10-90	1629.9	N.A.	90.50
20-40	517.06	N.A.	28.70
20-50	802.11	N.A.	44.50
40-70	735.89	N.A.	40.80
60-80	334.65	N.A.	18.60
70-80	136.43	N.A.	7.60
80-90	84.11	N.A.	4.70
90-110	80.27	N.A.	4.50
90-120	98.67	N.A.	5.50
90-130	109.11	N.A.	6.10
90-150	116.57	N.A.	6.50
90-180	117.35	N.A.	6.50
110-180	37.09	N.A.	2.10
0-180	1801.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.64
10-20	156.41
20-30	235.75
30-40	281.32
40-50	285.04
50-60	252.62
60-70	198.22
70-80	136.43
80-90	84.11
90-100	50.08
100-110	30.19
110-120	18.40
120-130	10.45
130-140	5.28
140-150	2.18
150-160	0.68
160-170	0.10
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75R-2-L25-835-(L18)-DIM-UNV_.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	117	117	117	117	114	114	114	114	107	107	107	102	102	102	96	96	96	93
1	106	101	96	92	103	98	94	90	92	89	86	87	84	82	83	80	78	76
2	96	87	80	74	93	85	78	73	80	75	70	76	72	68	72	68	65	62
3	88	77	68	61	84	75	67	60	71	64	59	67	61	57	64	59	55	52
4	80	68	59	52	77	66	58	51	63	56	50	60	53	48	57	51	47	45
5	74	61	51	45	71	59	51	44	56	49	43	54	47	42	51	45	41	39
6	68	55	46	39	66	53	45	39	51	43	38	48	42	37	46	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	42	36	32	30
8	59	45	37	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	28	53	41	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

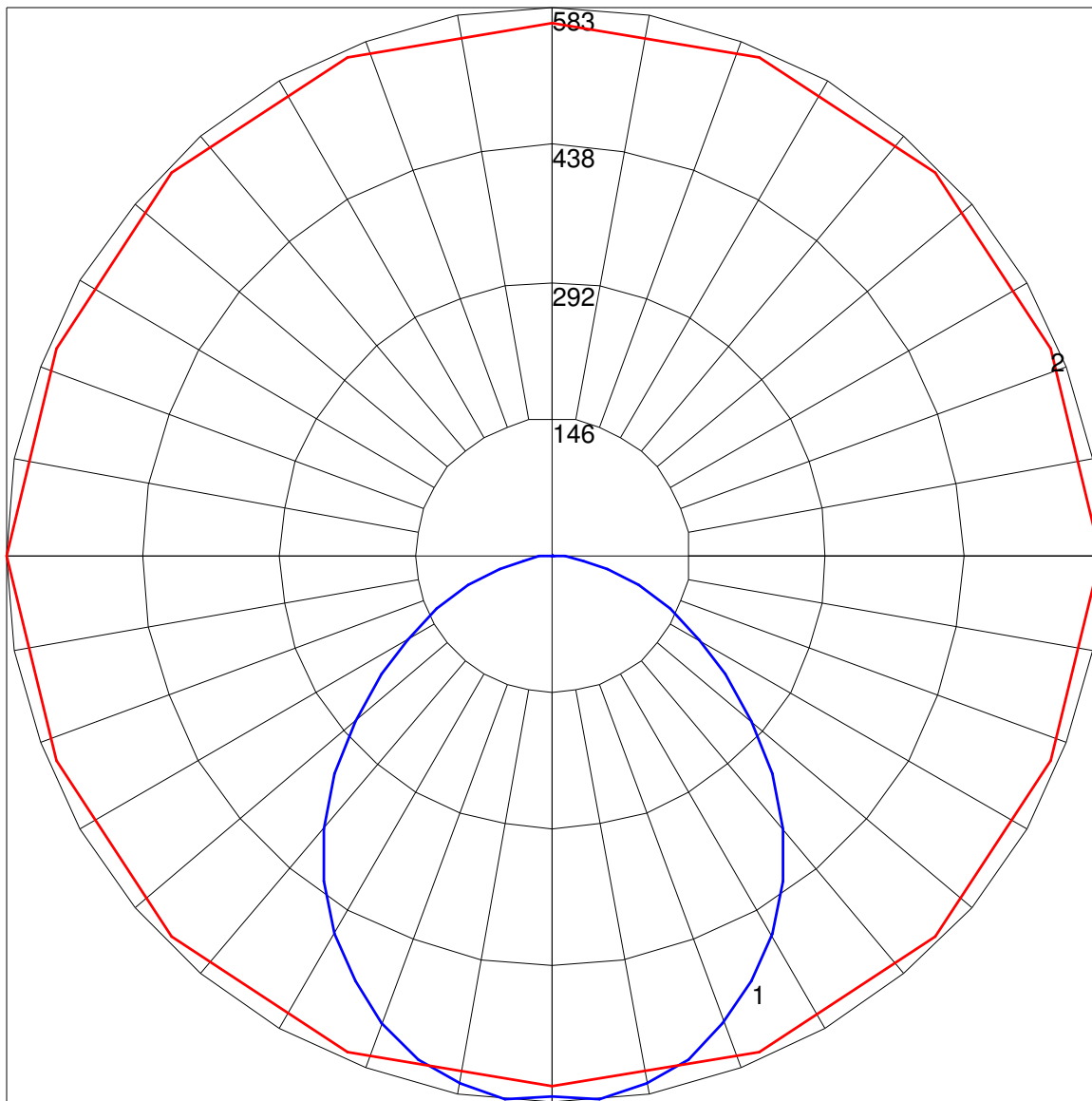
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75R-2-L25-835-(L18)-DIM-UNV_.IES

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	17.1	18.6	17.6	19.1	19.5	20.4	21.9	20.9	22.4	22.9
	3H	18.3	19.7	18.8	20.1	20.7	22.6	23.9	23.1	24.4	24.9
	4H	18.6	19.9	19.1	20.4	20.9	23.6	24.9	24.1	25.4	25.9
	6H	18.8	20.0	19.3	20.5	21.1	24.6	25.8	25.1	26.3	26.8
	8H	18.8	20.0	19.4	20.5	21.1	25.1	26.2	25.6	26.8	27.3
	12H	18.9	19.9	19.4	20.5	21.1	25.6	26.7	26.2	27.2	27.8
4H	2H	18.2	19.4	18.7	19.9	20.5	20.7	22.0	21.3	22.5	23.1
	3H	19.6	20.7	20.1	21.2	21.8	23.1	24.2	23.6	24.8	25.3
	4H	20.1	21.0	20.6	21.6	22.2	24.3	25.3	24.8	25.8	26.4
	6H	20.3	21.2	20.9	21.8	22.4	25.5	26.4	26.0	26.9	27.5
	8H	20.4	21.2	21.0	21.8	22.4	26.1	26.9	26.6	27.5	28.1
	12H	20.4	21.2	21.0	21.8	22.4	26.7	27.5	27.3	28.1	28.7
8H	4H	20.8	21.6	21.4	22.2	22.8	24.5	25.3	25.0	25.8	26.5
	6H	21.3	22.0	21.9	22.6	23.2	25.8	26.5	26.4	27.1	27.7
	8H	21.4	22.1	22.0	22.7	23.3	26.5	27.1	27.1	27.8	28.4
	12H	21.5	22.1	22.1	22.7	23.4	27.3	27.9	27.9	28.5	29.2
12H	4H	21.0	21.7	21.6	22.3	23.0	24.5	25.2	25.0	25.8	26.4
	6H	21.6	22.2	22.2	22.8	23.5	25.8	26.5	26.5	27.0	27.7
	8H	21.8	22.4	22.4	23.0	23.7	26.6	27.2	27.2	27.8	28.5

Maximum UGR = 29.2

POLAR GRAPH



Maximum Candela = 583.494 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.)