



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-8-L200-835-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 19745.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 1-SEP-2020

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO.64836

[LUMINAIRE] 8'LED STRIP LUMINAIRE

[MORE] WITH FROSTED ACRYLIC LENS

[LUMCAT] 75S-8-L200-835-DIM-UNV

[LAMPCAT]HLM 80 CRI, 3500K CCT

[_SEARCH_SOURCE] 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	19281
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	136.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.44 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.08 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	35091	28178	26479
55	29887	23665	23728
65	23647	20271	21554
75	16549	16631	19123
85	7914	14202	16763

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : 75S-8-L200-835-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	6505.534	6505.534	6505.534	6505.534	6505.534
5	6561.489	6479.029	6476.084	6461.359	6384.788
10	6449.579	6375.953	6381.843	6364.173	6293.493
15	6269.933	6199.252	6216.923	6199.252	6140.352
20	5969.541	5916.531	5969.541	5943.036	5881.191
25	5598.470	5577.855	5624.975	5622.030	5530.735
30	5189.113	5197.948	5250.958	5250.958	5139.048
35	4688.461	4759.141	4785.646	4794.481	4679.626
40	4143.633	4249.654	4226.094	4273.214	4214.314
45	3610.586	3704.826	3698.936	3784.342	3769.617
50	3065.759	3151.164	3218.899	3363.205	3392.655
55	2506.206	2612.227	2762.422	2977.408	3074.594
60	1979.049	2108.629	2364.845	2629.897	2756.532
65	1472.507	1678.657	1999.664	2303.000	2432.581
70	1010.139	1281.081	1625.647	1955.489	2108.629
75	642.013	901.174	1289.916	1619.757	1772.898
80	350.457	600.783	1013.084	1313.476	1454.836
85	111.910	368.127	768.648	1036.645	1169.170
90	0.000	238.546	586.058	836.384	927.679
95	0.000	217.931	547.772	765.703	818.714
100	0.000	206.151	509.487	697.968	745.088
105	0.000	188.481	477.092	644.958	692.078
110	0.000	176.701	444.697	603.728	650.848
115	0.000	161.976	406.412	565.443	609.618
120	0.000	138.416	365.182	512.432	565.443
125	0.000	114.856	329.841	468.257	515.377
130	0.000	94.240	285.666	418.192	450.587
135	0.000	85.405	229.711	362.237	394.632
140	0.000	70.680	179.646	303.336	335.731
145	0.000	55.955	138.416	235.601	267.996
150	0.000	41.230	106.020	179.646	206.151
155	0.000	32.395	85.405	129.581	150.196
160	0.000	0.000	61.845	94.240	106.020
165	0.000	0.000	41.230	67.735	73.625
170	0.000	0.000	0.000	41.230	44.175
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 : 75S-8-L200-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2361.65	N.A.	12.20
0-30	4940.00	N.A.	25.60
0-40	7907.97	N.A.	41.00
0-60	13288.16	N.A.	68.90
0-80	16594.12	N.A.	86.10
0-90	17383.52	N.A.	90.20
10-90	16768.84	N.A.	87.00
20-40	5546.32	N.A.	28.80
20-50	8425.01	N.A.	43.70
40-70	7346.72	N.A.	38.10
60-80	3305.96	N.A.	17.10
70-80	1339.44	N.A.	6.90
80-90	789.40	N.A.	4.10
90-110	971.34	N.A.	5.00
90-120	1326.92	N.A.	6.90
90-130	1588.89	N.A.	8.20
90-150	1848.87	N.A.	9.60
90-180	1897.59	N.A.	9.80
110-180	926.25	N.A.	4.80
0-180	19281.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	614.68
10-20	1746.97
20-30	2578.35
30-40	2967.97
40-50	2878.7
50-60	2501.5
60-70	1966.52
70-80	1339.44
80-90	789.40
90-100	531.47
100-110	439.87
110-120	355.59
120-130	261.96
130-140	169.77
140-150	90.21
150-160	37.74
160-170	10.41
170-180	0.57

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-8-L200-835-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	408	408	408	408	394	394	394	394	369	369	369	346	346	346	325	325	325	315
1	369	351	335	321	356	340	326	313	319	307	296	299	290	281	281	274	267	257
2	335	306	282	261	323	296	274	255	278	260	244	262	247	233	246	234	223	214
3	306	269	240	217	294	261	234	213	246	223	205	231	213	197	218	203	190	181
4	281	239	208	185	270	232	203	182	219	195	175	207	186	169	195	178	164	155
5	258	214	182	159	248	208	179	157	196	171	152	186	164	147	176	158	143	135
6	239	193	162	140	230	188	159	138	178	153	134	169	147	130	160	141	126	118
7	222	175	145	124	213	170	142	122	162	137	119	154	132	116	147	127	112	105
8	206	160	131	110	199	156	128	109	149	124	106	142	120	104	135	116	101	94
9	193	147	119	99	186	143	117	98	137	113	96	131	109	94	125	106	92	85
10	181	136	108	90	175	133	107	89	127	103	87	121	100	85	116	97	83	77

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-8-L200-835-DIM-UNV_.IES

UGR TABLE - CORRECTED

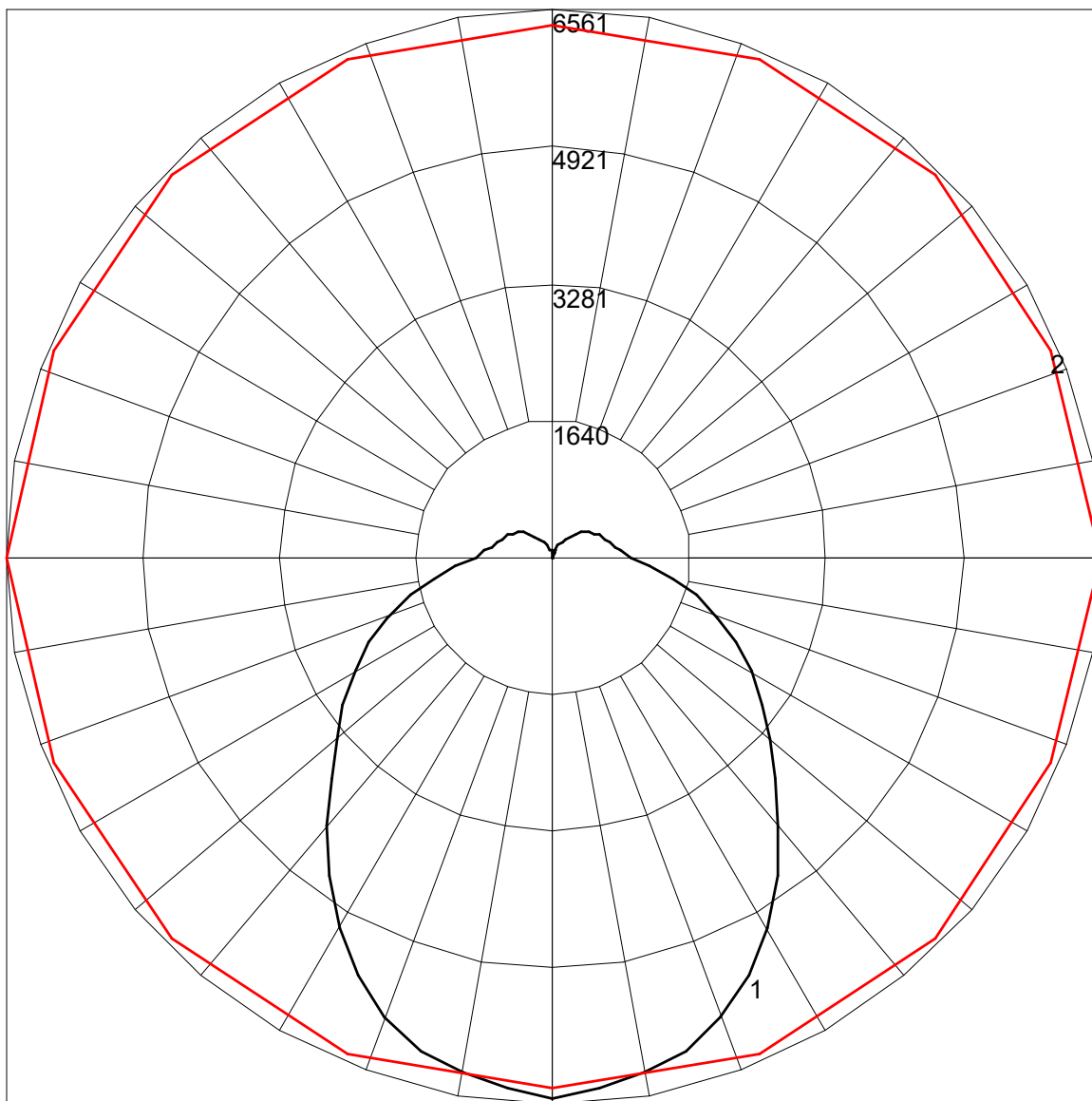
Reflectances

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	16.6	18.0	17.1	18.5	19.1	18.9	20.3	19.4	20.8	21.4
	3H	17.8	19.0	18.3	19.6	20.1	21.3	22.6	21.8	23.1	23.7
	4H	18.1	19.3	18.6	19.8	20.4	22.4	23.6	23.0	24.2	24.8
	6H	18.2	19.4	18.8	19.9	20.5	23.6	24.7	24.2	25.3	25.9
	8H	18.2	19.3	18.8	19.9	20.5	24.2	25.3	24.8	25.8	26.5
	12H	18.2	19.3	18.8	19.8	20.5	24.8	25.9	25.4	26.4	27.1
4H	2H	17.4	18.6	18.0	19.2	19.8	19.2	20.4	19.8	21.0	21.6
	3H	18.8	19.9	19.4	20.4	21.1	21.8	22.9	22.4	23.5	24.1
	4H	19.3	20.2	19.9	20.8	21.5	23.2	24.1	23.7	24.7	25.3
	6H	19.5	20.4	20.1	21.0	21.6	24.5	25.3	25.1	25.9	26.6
	8H	19.6	20.4	20.2	21.0	21.7	25.2	26.0	25.8	26.6	27.3
	12H	19.6	20.3	20.2	20.9	21.6	26.0	26.7	26.6	27.3	28.0
8H	4H	19.9	20.7	20.5	21.3	22.0	23.3	24.1	23.9	24.7	25.4
	6H	20.4	21.0	21.0	21.7	22.3	24.8	25.4	25.4	26.1	26.8
	8H	20.5	21.1	21.1	21.7	22.4	25.6	26.2	26.3	26.9	27.6
	12H	20.5	21.1	21.2	21.7	22.5	26.5	27.1	27.2	27.7	28.5
12H	4H	20.1	20.8	20.7	21.4	22.1	23.3	24.0	23.9	24.6	25.3
	6H	20.6	21.2	21.3	21.9	22.6	24.8	25.4	25.5	26.0	26.8
	8H	20.8	21.4	21.5	22.0	22.8	25.7	26.2	26.3	26.8	27.6

Maximum UGR = 28.5

POLAR GRAPH



Maximum Candela = 6561.489 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.)