



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-8-L60-835-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-L60-835-DIM-UNV

[LAMPCAT]HLM 80 CRI, 3500K CCT

[_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	5520
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	35.3
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	10046	8067	7581
55	8557	6775	6793
65	6770	5803	6171
75	4738	4761	5475
85	2266	4066	4799

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-8-L60-835-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	1862.484	1862.484	1862.484	1862.484	1862.484
5	1878.503	1854.895	1854.052	1849.836	1827.915
10	1846.464	1825.386	1827.072	1822.013	1801.778
15	1795.033	1774.798	1779.856	1774.798	1757.935
20	1709.033	1693.857	1709.033	1701.445	1683.739
25	1602.798	1596.896	1610.386	1609.543	1583.406
30	1485.603	1488.132	1503.308	1503.308	1471.269
35	1342.270	1362.505	1370.093	1372.623	1339.740
40	1186.290	1216.643	1209.898	1223.388	1206.525
45	1033.683	1060.663	1058.977	1083.427	1079.212
50	877.703	902.154	921.546	962.859	971.291
55	717.507	747.860	790.860	852.409	880.232
60	566.586	603.684	677.037	752.919	789.174
65	421.567	480.587	572.488	659.331	696.429
70	289.195	366.763	465.410	559.841	603.684
75	183.803	257.999	369.293	463.724	507.567
80	100.333	171.999	290.038	376.038	416.508
85	32.039	105.392	220.058	296.783	334.724
90	0.000	68.294	167.784	239.450	265.587
95	0.000	62.392	156.823	219.215	234.391
100	0.000	59.019	145.862	199.823	213.313
105	0.000	53.961	136.588	184.646	198.137
110	0.000	50.588	127.313	172.843	186.333
115	0.000	46.372	116.353	161.882	174.529
120	0.000	39.627	104.549	146.705	161.882
125	0.000	32.882	94.431	134.058	147.548
130	0.000	26.980	81.784	119.725	129.000
135	0.000	24.451	65.764	103.706	112.980
140	0.000	20.235	51.431	86.843	96.117
145	0.000	16.020	39.627	67.451	76.725
150	0.000	11.804	30.353	51.431	59.019
155	0.000	9.274	24.451	37.098	43.000
160	0.000	0.000	17.706	26.980	30.353
165	0.000	0.000	11.804	19.392	21.078
170	0.000	0.000	0.000	11.804	12.647
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-L60-835-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	676.12	N.A.	12.20
0-30	1414.28	N.A.	25.60
0-40	2263.99	N.A.	41.00
0-60	3804.3	N.A.	68.90
0-80	4750.77	N.A.	86.10
0-90	4976.77	N.A.	90.20
10-90	4800.79	N.A.	87.00
20-40	1587.87	N.A.	28.80
20-50	2412.02	N.A.	43.70
40-70	2103.31	N.A.	38.10
60-80	946.47	N.A.	17.10
70-80	383.47	N.A.	6.90
80-90	226.00	N.A.	4.10
90-110	278.09	N.A.	5.00
90-120	379.89	N.A.	6.90
90-130	454.89	N.A.	8.20
90-150	529.32	N.A.	9.60
90-180	543.26	N.A.	9.80
110-180	265.18	N.A.	4.80
0-180	5520.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	175.98
10-20	500.14
20-30	738.16
30-40	849.71
40-50	824.15
50-60	716.16
60-70	563.00
70-80	383.47
80-90	226.00
90-100	152.16
100-110	125.93
110-120	101.80
120-130	75.00
130-140	48.60
140-150	25.83
150-160	10.81
160-170	2.98
170-180	0.16

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-8-L60-835-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	118	118	118	118	114	114	114	114	107	107	107	100	100	100	94	94	94	91
1	107	102	97	93	103	98	94	90	92	89	86	87	84	81	81	79	77	74
2	97	88	81	75	93	86	79	74	80	75	71	76	71	68	71	68	65	62
3	89	78	69	63	85	75	68	62	71	65	59	67	62	57	63	59	55	52
4	81	69	60	53	78	67	59	52	63	56	51	60	54	49	56	51	47	45
5	75	62	53	46	72	60	52	45	57	50	44	54	48	43	51	46	41	39
6	69	56	47	40	66	54	46	40	51	44	39	49	42	38	46	41	36	34
7	64	51	42	36	62	49	41	35	47	40	34	45	38	33	42	37	33	30
8	60	46	38	32	58	45	37	32	43	36	31	41	35	30	39	33	29	27
9	56	42	34	29	54	41	34	28	40	33	28	38	32	27	36	31	26	25
10	52	39	31	26	51	38	31	26	37	30	25	35	29	25	34	28	24	22

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-8-L60-835-DIM-UNV_.IES

UGR TABLE - CORRECTED

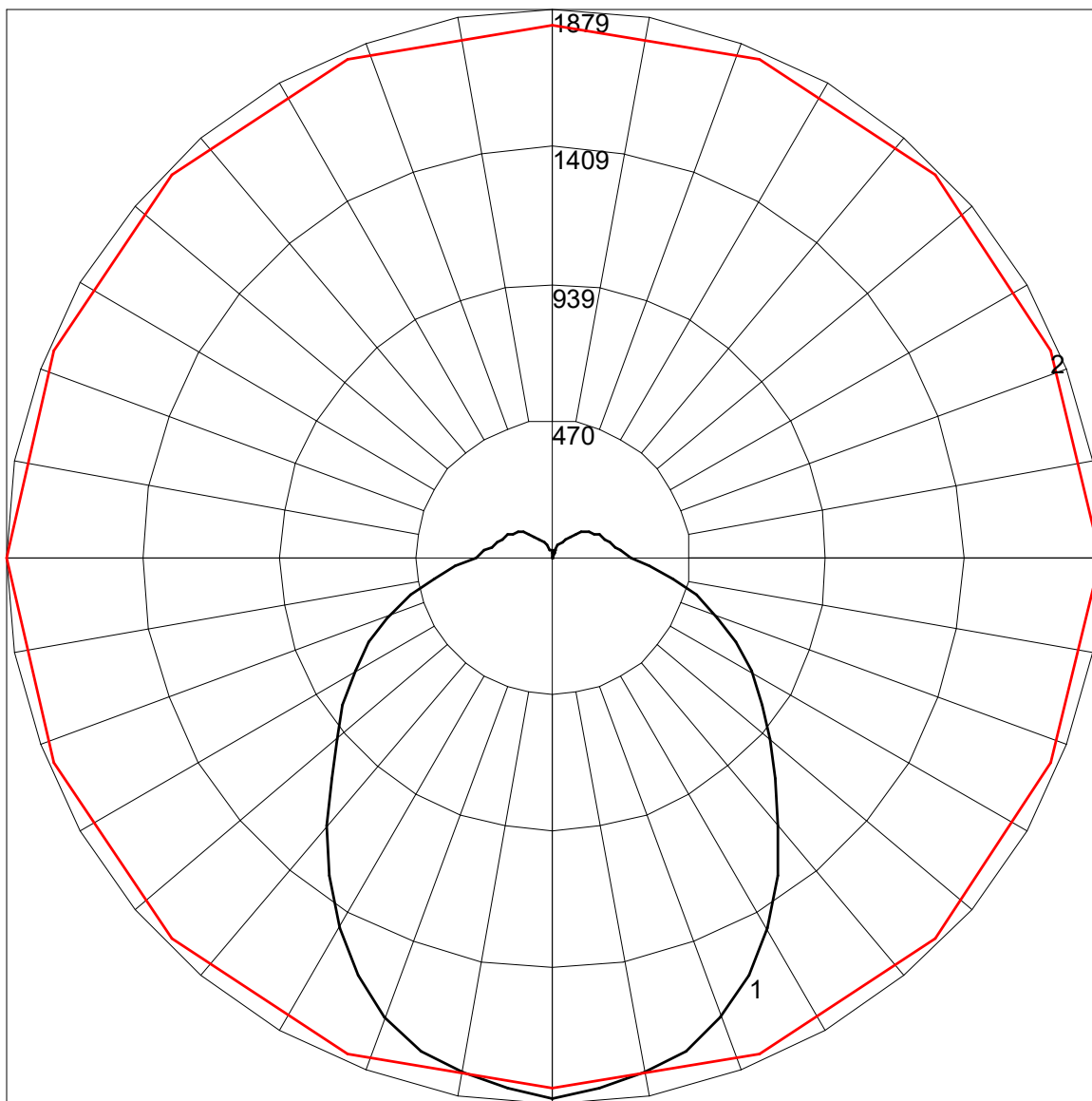
Reflectances

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 = 1878.503 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.)