



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75-8-L90-8FS-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 17875.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 25-OCT-2019

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

[LUMINAIRE] 8' STRIP w/WHITE REFLECTOR

[LUMCAT] 75-8-L90-8FS-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9140
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	160
Total Luminaire Watts	57.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.62 ft
Luminous Width (90-270)	0.22 ft
Luminous Height	0.01 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19722	18860	18598
55	19232	18187	17804
65	17934	16514	15986
75	15138	13366	12795
85	7985	7575	6223

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75-8-L90-8FS-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	3103.173	3103.173	3103.173	3103.173	3103.173
5	3125.847	3106.412	3093.455	3084.817	3081.578
10	3091.296	3071.860	3056.744	3048.106	3043.787
15	3039.468	3014.634	2999.518	2986.561	2990.880
20	2957.408	2936.893	2919.617	2906.660	2914.218
25	2853.753	2836.477	2811.643	2800.846	2796.527
30	2737.141	2712.307	2684.234	2675.596	2652.921
35	2588.137	2567.622	2535.230	2528.751	2504.997
40	2415.378	2372.189	2354.913	2343.036	2336.557
45	2213.467	2160.560	2149.762	2140.045	2132.487
50	1989.961	1941.373	1932.735	1928.416	1903.582
55	1751.338	1700.591	1693.032	1693.032	1671.438
60	1492.201	1446.852	1425.257	1434.975	1402.582
65	1203.910	1170.438	1145.604	1166.119	1122.930
70	912.380	870.270	857.314	878.908	845.436
75	623.010	581.980	581.980	581.980	569.023
80	331.480	325.002	325.002	319.603	306.646
85	111.213	116.612	124.170	118.771	107.974
90	9.718	9.718	15.116	9.718	9.718
95	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000
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 : 75-8-L90-8FS-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1142.8	N.A.	12.50
0-30	2442.5	N.A.	26.70
0-40	4032.13	N.A.	44.10
0-60	7211.78	N.A.	78.90
0-80	8982.21	N.A.	98.30
0-90	9136.76	N.A.	100.00
10-90	8842.34	N.A.	96.70
20-40	2889.33	N.A.	31.60
20-50	4552.84	N.A.	49.80
40-70	4326.42	N.A.	47.30
60-80	1770.43	N.A.	19.40
70-80	623.66	N.A.	6.80
80-90	154.55	N.A.	1.70
90-110	3.03	N.A.	0.00
90-120	3.03	N.A.	0.00
90-130	3.03	N.A.	0.00
90-150	3.03	N.A.	0.00
90-180	3.03	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	9139.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	294.42
10-20	848.38
20-30	1299.7
30-40	1589.63
40-50	1663.51
50-60	1516.14
60-70	1146.77
70-80	623.66
80-90	154.55
90-100	3.03
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 : 75-8-L90-8FS-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	191	191	191	191	186	186	186	186	178	178	178	170	170	170	163	163	163	160
1	174	166	160	153	170	163	157	151	156	151	146	150	145	142	144	141	137	134
2	158	145	134	125	154	142	132	123	136	128	120	131	124	117	126	120	115	111
3	144	127	114	103	140	124	112	102	120	109	101	115	106	99	111	103	97	93
4	132	112	98	87	128	110	97	87	106	95	85	102	92	84	99	90	83	80
5	121	100	86	75	118	98	85	75	95	83	74	92	81	73	89	79	72	69
6	112	90	76	65	109	89	75	65	86	73	64	83	72	64	80	71	63	60
7	103	82	67	58	101	80	67	57	78	66	57	75	65	56	73	63	56	53
8	96	74	61	51	94	73	60	51	71	59	51	69	58	50	67	57	50	47
9	90	68	55	46	88	67	55	46	65	54	46	64	53	45	62	52	45	42
10	84	63	50	42	82	62	50	42	60	49	41	59	48	41	57	48	41	38

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75-8-L90-8FS-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

X=2H	Y=2H	20.8	22.5	21.2	22.8	23.1	UGR Viewed Endwise			
	3H	22.6	24.1	23.0	24.5	24.8	20.7	22.4	21.1	22.7
	4H	23.3	24.7	23.7	25.0	25.4	22.5	24.0	22.9	24.3
	6H	23.7	25.0	24.1	25.4	25.7	23.1	24.5	23.5	24.8
	8H	23.8	25.0	24.2	25.4	25.8	23.5	24.8	23.9	25.1
	12H	23.9	25.1	24.3	25.4	25.9	23.6	24.8	24.0	25.2

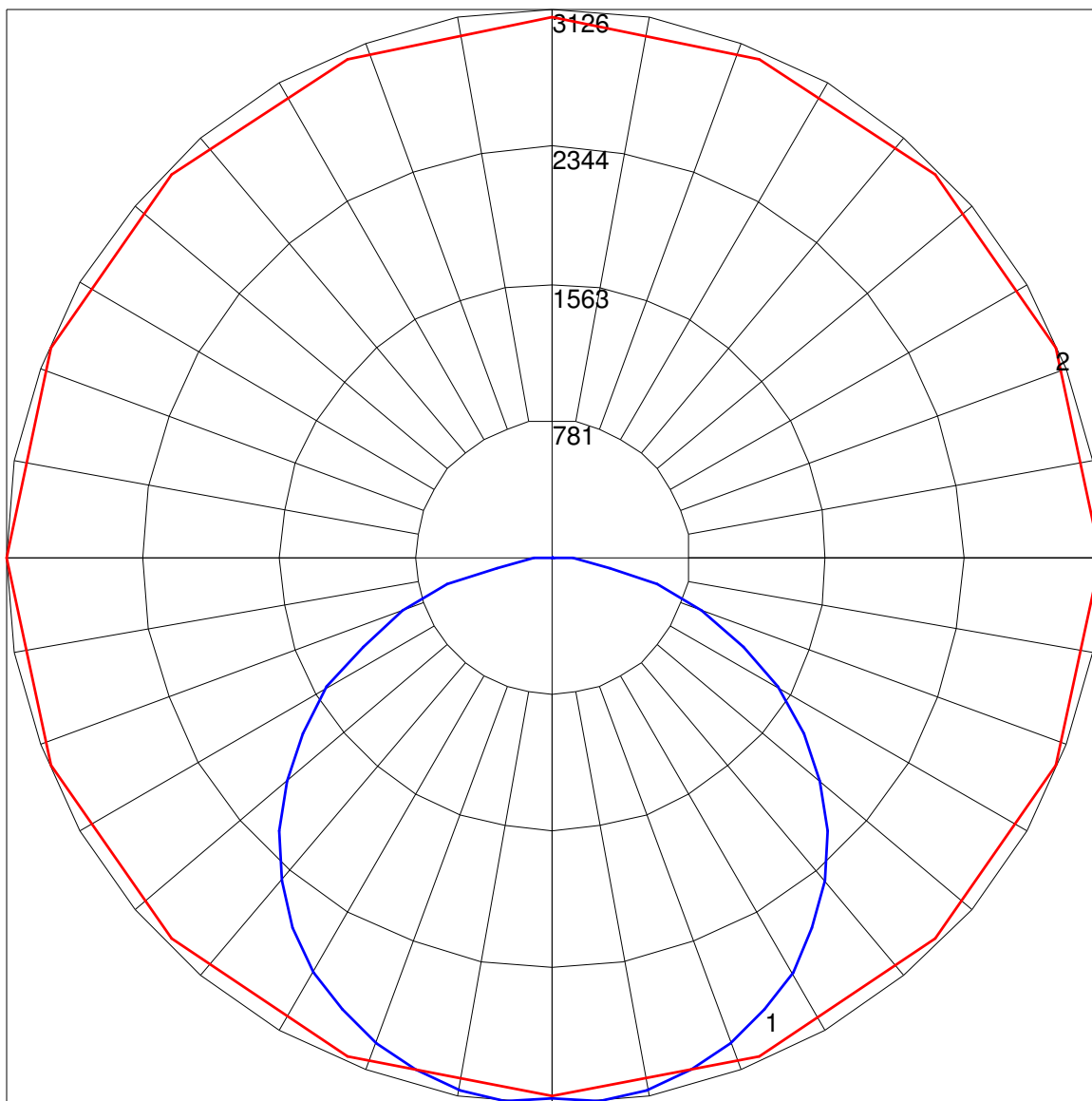
4H	2H	21.4	22.8	21.8	23.2	23.6	21.3	22.8	21.7	23.1
	3H	23.4	24.6	23.8	25.0	25.4	23.3	24.5	23.7	24.9
	4H	24.2	25.2	24.6	25.6	26.1	24.0	25.1	24.5	25.5
	6H	24.7	25.6	25.1	26.1	26.5	24.5	25.4	25.0	25.9
	8H	24.8	25.7	25.3	26.2	26.6	24.7	25.5	25.1	26.0
	12H	24.9	25.7	25.4	26.2	26.6	24.7	25.5	25.2	26.0

8H	4H	24.4	25.3	24.9	25.7	26.2	24.3	25.2	24.7	25.6
	6H	25.0	25.8	25.5	26.2	26.7	24.9	25.6	25.4	26.1
	8H	25.3	25.9	25.8	26.4	26.9	25.1	25.7	25.6	26.2
	12H	25.4	25.9	25.9	26.4	27.0	25.2	25.8	25.7	26.3

12H	4H	24.4	25.2	24.9	25.7	26.2	24.3	25.1	24.8	25.6
	6H	25.1	25.7	25.6	26.2	26.7	24.9	25.6	25.5	26.0
	8H	25.3	25.9	25.8	26.4	26.9	25.2	25.7	25.7	26.2

Maximum UGR = 27.0

POLAR GRAPH



Maximum Candela = 3125.847 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.)