



IES INDOOR REPORT

PHOTOMETRIC FILENAME : AX2WU-8-L66-835-S-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 18753.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 31-MAR-2020

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 8' WALL MOUNT INDIRECT LED LUMINAIRE

[MORE] WITH FROSTED ACRYLIC LENS

[LUMCAT] AX2WU-8-L66-835-S-DIM-UNV

[LAMPCAT] HLM 80 CRI, 3500K CCT

[_SEARCH_SOURCE] LED

[_SEARCH_APPLICATION] INDOOR, ARCHITECTURAL, OFFICE, CORRIDOR, MEDICAL, LINEAR, INDIRECT

[_SEARCH_MOUNTING] WALL

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6617
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	65.9
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	7.84 ft
Luminous Width (90-270)	0.18 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	237
55	0	213	505
65	0	469	1011
75	0	1179	2357
85	175	4550	8225

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000
35	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	0.000	16.288
45	0.000	0.000	0.000	12.216	22.396
50	0.000	0.000	12.216	24.432	32.576
55	0.000	0.000	16.288	36.648	38.684
60	0.000	0.000	22.396	38.684	48.864
65	0.000	0.000	26.468	48.864	57.008
70	0.000	16.288	38.684	61.080	71.260
75	0.000	14.252	40.720	65.152	81.440
80	0.000	16.288	44.792	75.332	89.584
85	2.036	18.324	52.936	83.476	95.692
90	18.324	36.648	75.332	114.016	128.268
95	81.440	101.800	138.448	177.132	197.492
100	197.492	219.888	244.320	278.932	301.328
105	342.048	358.336	364.444	401.092	417.380
110	504.928	519.180	506.964	533.432	549.720
115	673.916	694.276	667.808	686.132	680.024
120	871.408	879.552	851.048	859.192	832.724
125	1064.828	1087.224	1044.468	1040.396	1001.712
130	1264.356	1288.788	1237.888	1219.564	1193.096
135	1476.100	1504.604	1437.416	1433.344	1396.696
140	1681.736	1722.456	1651.196	1645.088	1608.440
145	1887.372	1926.056	1869.048	1826.292	1805.932
150	2068.576	2125.584	2072.648	2023.784	2021.748
155	2286.428	2296.608	2247.744	2211.096	2202.952
160	2424.876	2428.948	2384.156	2355.652	2343.436
165	2518.532	2532.784	2502.244	2471.704	2459.488
170	2589.792	2610.152	2577.576	2569.432	2561.288
175	2632.548	2656.980	2634.584	2620.332	2622.368
180	2654.944	2654.944	2654.944	2654.944	2654.944

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.34	N.A.	0.00
0-60	21.58	N.A.	0.30
0-80	92.57	N.A.	1.40
0-90	153.13	N.A.	2.30
10-90	153.13	N.A.	2.30
20-40	0.34	N.A.	0.00
20-50	5.66	N.A.	0.10
40-70	48.92	N.A.	0.70
60-80	70.99	N.A.	1.10
70-80	43.30	N.A.	0.70
80-90	60.56	N.A.	0.90
90-110	565.45	N.A.	8.50
90-120	1244.87	N.A.	18.80
90-130	2185.81	N.A.	33.00
90-150	4476.93	N.A.	67.70
90-180	6463.84	N.A.	97.70
110-180	5898.38	N.A.	89.10
0-180	6616.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.34
40-50	5.32
50-60	15.92
60-70	27.68
70-80	43.30
80-90	60.56
90-100	163.86
100-110	401.60
110-120	679.42
120-130	940.94
130-140	1122.39
140-150	1168.73
150-160	1032.77
160-170	704.24
170-180	249.90

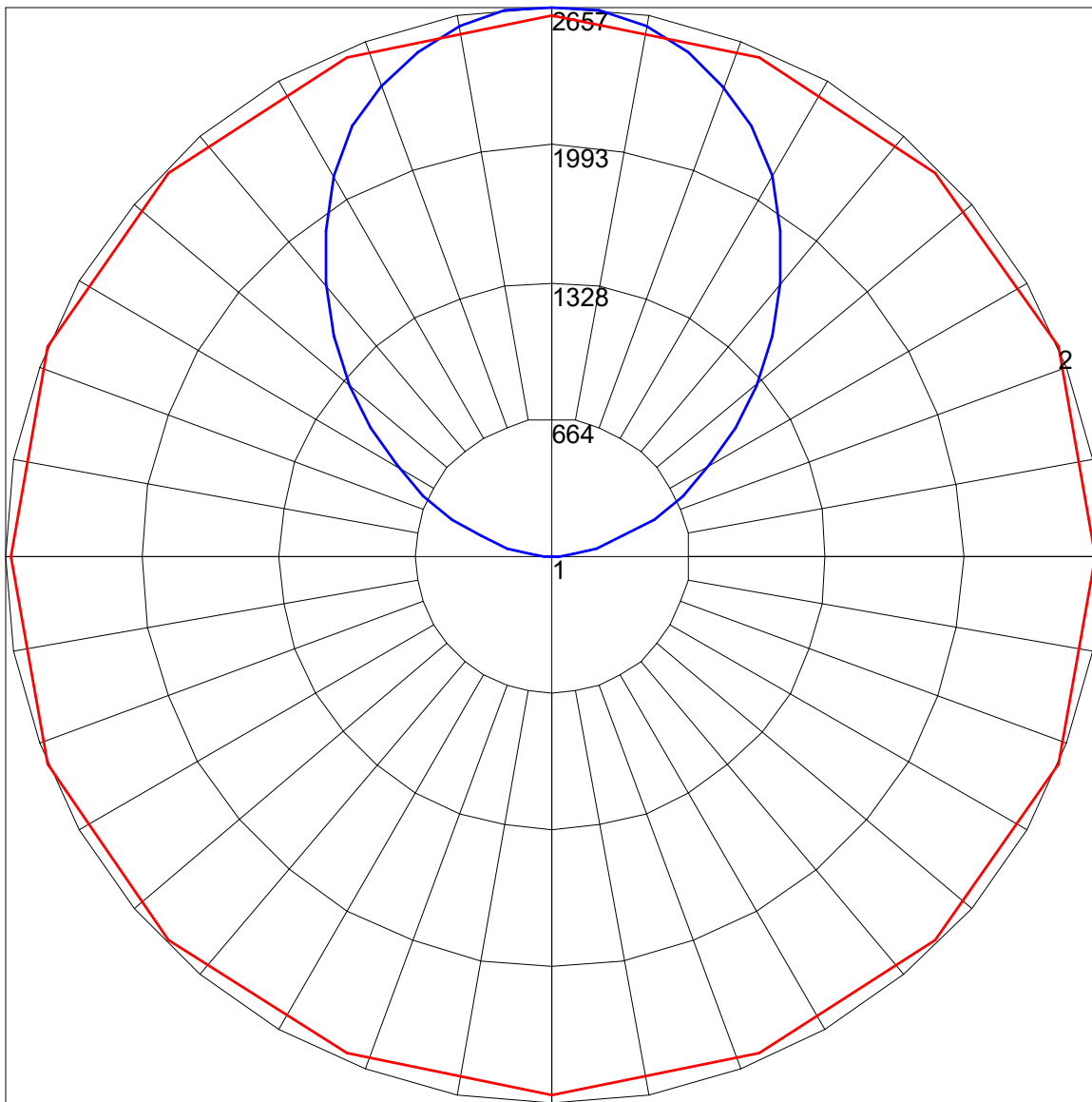
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	195	195	195	195	167	167	167	167	116	116	116	68	68	68	25	25	25	5
1	176	168	160	153	151	144	138	132	99	96	92	58	56	55	21	20	19	2
2	160	146	134	124	137	125	116	108	87	81	76	51	48	45	18	17	16	1
3	146	128	114	103	124	110	98	89	76	69	63	44	41	37	15	14	13	1
4	133	112	97	86	113	97	84	75	67	59	53	39	35	32	14	12	11	0
5	121	100	84	73	103	86	73	63	59	51	45	35	30	27	12	10	9	0
6	111	89	73	62	95	76	64	54	53	45	39	31	27	23	11	9	8	0
7	102	79	64	54	87	68	56	47	47	39	33	28	23	20	10	8	7	0
8	95	71	57	47	81	62	49	41	43	35	29	25	21	17	9	7	6	0
9	88	65	50	41	75	56	44	36	39	31	25	23	18	15	8	6	5	0
10	81	59	45	36	69	51	39	31	35	28	22	21	17	13	7	6	5	0

POLAR GRAPH



Maximum Candela = 2656.98 Located At Horizontal Angle = 22.5, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)