



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75-4-L85-835-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

[ISSUE DATE] 25-OCT-2019

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

[LUMINAIRE] 4' STRIP w/WHITE REFLECTOR

[LUMCAT] 75-4-L85-835-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8384
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	59.6
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)	3.62 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	38080	36425	35936
55	37122	35117	34402
65	34600	31876	30889
75	29173	25779	24723
85	15302	14565	12024

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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	2846.499	2846.499	2846.499	2846.499	2846.499
5	2867.298	2849.470	2837.585	2829.662	2826.690
10	2835.604	2817.776	2803.910	2795.987	2792.025
15	2788.063	2765.284	2751.418	2739.532	2743.494
20	2712.791	2693.973	2678.126	2666.240	2673.173
25	2617.709	2601.862	2579.083	2569.178	2565.216
30	2510.743	2487.963	2462.212	2454.288	2433.489
35	2374.063	2355.245	2325.532	2319.590	2297.800
40	2215.594	2175.977	2160.130	2149.235	2143.293
45	2030.384	1981.853	1971.948	1963.034	1956.101
50	1825.364	1780.795	1772.872	1768.910	1746.130
55	1606.479	1559.929	1552.996	1552.996	1533.187
60	1368.776	1327.178	1307.369	1316.283	1286.570
65	1104.331	1073.627	1050.847	1069.666	1030.048
70	836.914	798.287	786.402	806.211	775.508
75	571.479	533.842	533.842	533.842	521.957
80	304.062	298.120	298.120	293.168	281.282
85	102.014	106.967	113.900	108.947	99.043
90	8.914	8.914	13.866	8.914	8.914
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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1048.28	N.A.	12.50
0-30	2240.47	N.A.	26.70
0-40	3698.62	N.A.	44.10
0-60	6615.27	N.A.	78.90
0-80	8239.26	N.A.	98.30
0-90	8381.03	N.A.	100.00
10-90	8110.96	N.A.	96.70
20-40	2650.34	N.A.	31.60
20-50	4176.25	N.A.	49.80
40-70	3968.57	N.A.	47.30
60-80	1623.99	N.A.	19.40
70-80	572.07	N.A.	6.80
80-90	141.77	N.A.	1.70
90-110	2.78	N.A.	0.00
90-120	2.78	N.A.	0.00
90-130	2.78	N.A.	0.00
90-150	2.78	N.A.	0.00
90-180	2.78	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	8383.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	270.07
10-20	778.21
20-30	1192.2
30-40	1458.14
40-50	1525.91
50-60	1390.73
60-70	1051.92
70-80	572.07
80-90	141.77
90-100	2.78
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

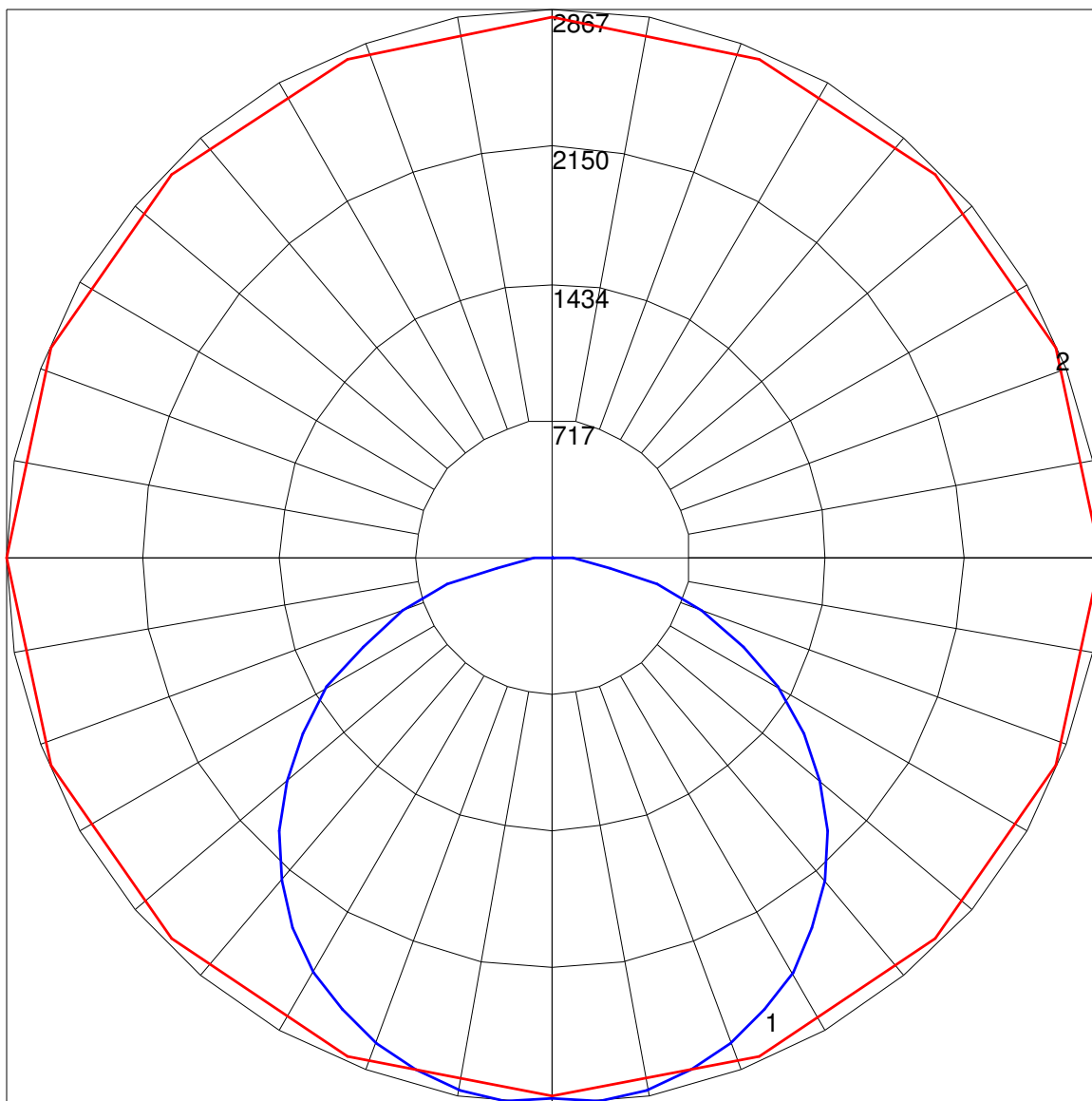
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	370	370	370	370	361	361	361	361	345	345	345	330	330	330	317	317	317	311
1	338	323	310	298	329	316	304	293	303	293	283	290	282	275	279	273	266	260
2	307	281	260	242	299	275	255	239	264	248	233	254	240	228	244	233	223	216
3	279	246	221	200	272	241	218	199	232	212	195	223	206	192	215	201	188	181
4	256	218	190	169	248	214	188	168	206	183	166	199	179	163	192	175	161	154
5	235	194	166	145	228	191	164	145	184	161	143	178	157	141	172	154	140	133
6	217	175	147	127	211	172	145	126	166	142	125	161	140	124	156	137	123	116
7	201	158	131	112	195	156	130	111	151	127	110	146	125	109	142	123	109	102
8	187	144	118	99	182	142	117	99	138	115	98	134	113	98	130	111	97	91
9	174	132	107	89	170	130	106	89	127	104	88	123	103	88	120	101	87	82
10	163	122	97	81	159	120	97	81	117	95	80	114	94	80	111	93	79	74

POLAR GRAPH



Maximum Candela = 2867.298 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.)