



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L70-835-DIM-OW-OF-CS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 20687.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 12-DEC-2018
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] LED 6"RND RECESSED CAST HOUSING DOWNLIGHT
 [MORE] OPEN SEMI-SPEC SPUN ALUMINUM REFLECTOR (WIDE)
 [LUMCAT] 6DR-TL-L70-835-DIM-UNV-OW-OF-CS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7008
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	67.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.48 ft (Diameter)
Luminous Width (90-270)	0.48 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12980	12980	12980
55	4522	4522	4522
65	944	944	944
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0	5590.351
5	5279.404
10	5811.022
15	5800.992
20	6058.442
25	6626.839
30	6509.816
35	2019.481
40	277.511
45	153.802
50	90.275
55	43.466
60	23.405
65	6.687
70	0.000
75	0.000
80	0.000
85	0.000
90	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2192.88	N.A.	31.30
0-30	5185.79	N.A.	74.00
0-40	6825.03	N.A.	97.40
0-60	6998.74	N.A.	99.90
0-80	7007.75	N.A.	100.00
0-90	7007.75	N.A.	100.00
10-90	6481.07	N.A.	92.50
20-40	4632.14	N.A.	66.10
20-50	4761.32	N.A.	67.90
40-70	182.73	N.A.	2.60
60-80	9.01	N.A.	0.10
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	7007.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	526.68
10-20	1666.2
20-30	2992.91
30-40	1639.23
40-50	129.18
50-60	44.54
60-70	9.01
70-80	0.00
80-90	0.00
90-100	0.00
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

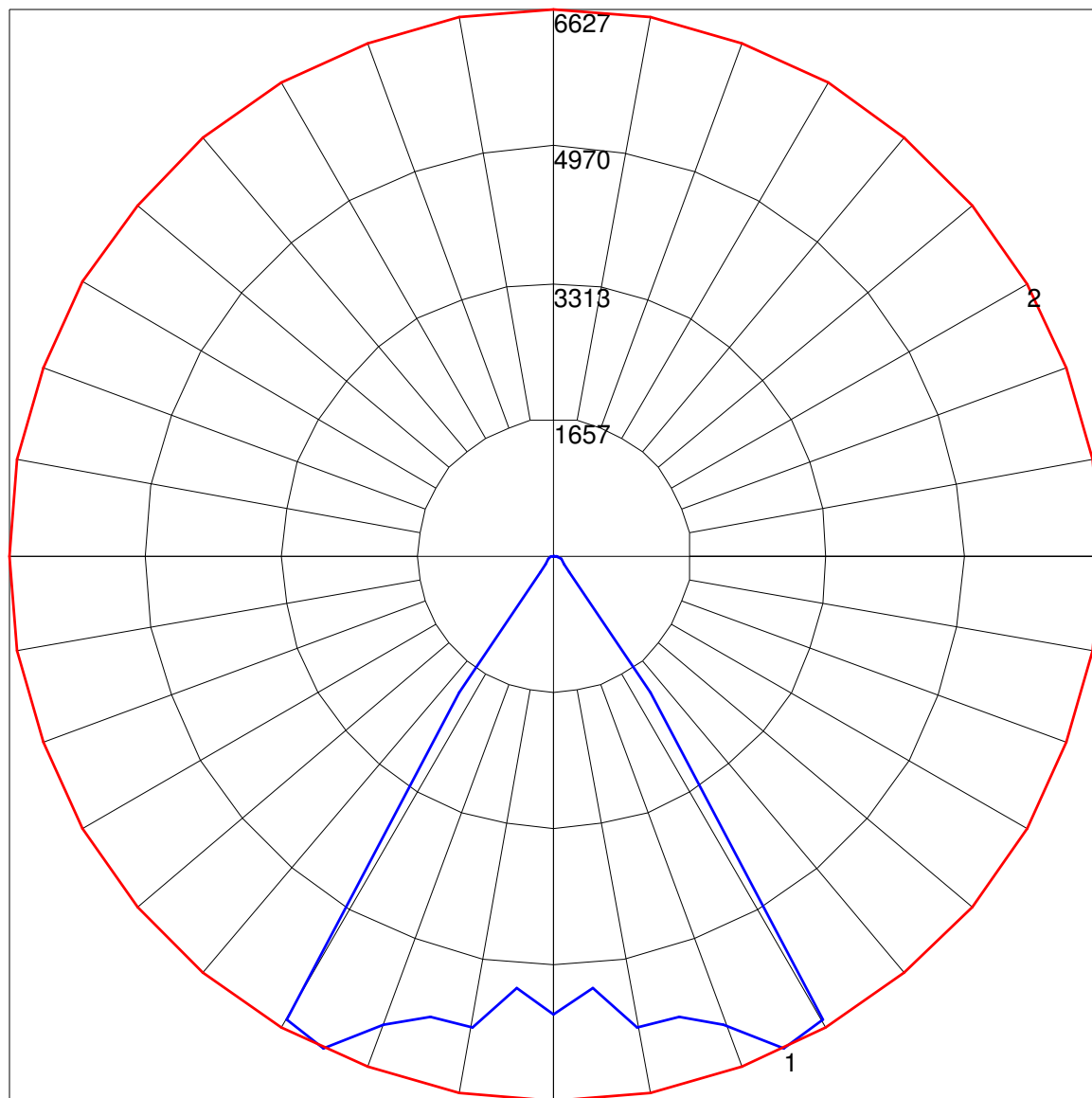
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	398	398	398	398	389	389	389	389	371	371	371	356	356	356	341	341	341	334
1	380	370	362	355	371	363	356	349	350	344	338	337	333	328	326	322	319	313
2	361	345	331	320	354	339	327	316	328	318	309	318	310	303	309	302	297	291
3	343	321	305	291	336	317	301	289	308	295	284	300	289	280	292	283	276	270
4	325	300	281	267	319	296	279	266	289	274	262	282	270	259	276	265	256	251
5	308	280	261	246	303	277	259	245	271	255	243	266	252	241	260	248	239	234
6	292	262	242	228	287	260	241	227	255	238	226	250	235	224	246	233	222	218
7	277	246	226	212	273	244	225	211	240	222	210	236	220	209	232	218	208	203
8	263	231	211	197	259	229	210	197	226	208	196	222	206	195	219	205	194	189
9	250	217	197	184	246	216	197	184	213	195	183	210	194	182	207	192	182	177
10	238	205	185	172	234	203	184	172	201	183	171	198	182	171	195	181	170	166

POLAR GRAPH



Maximum Candela = 6626.839 Located At Horizontal Angle = 0, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)