



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L80-835-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-L80-835-DIM-UNV-OW-OF-CS

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8018
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	79.8
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	14851	14851	14851
55	5174	5174	5174
65	1080	1080	1080
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0	6396.039
5	6040.278
10	6648.514
15	6637.038
20	6931.592
25	7581.907
30	7448.019
35	2310.531
40	317.507
45	175.968
50	103.285
55	49.730
60	26.778
65	7.651
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	2508.93	N.A.	31.30
0-30	5933.17	N.A.	74.00
0-40	7808.66	N.A.	97.40
0-60	8007.41	N.A.	99.90
0-80	8017.72	N.A.	100.00
0-90	8017.72	N.A.	100.00
10-90	7415.13	N.A.	92.50
20-40	5299.73	N.A.	66.10
20-50	5447.53	N.A.	67.90
40-70	209.06	N.A.	2.60
60-80	10.31	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	8017.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	602.59
10-20	1906.34
20-30	3424.25
30-40	1875.48
40-50	147.80
50-60	50.96
60-70	10.31
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

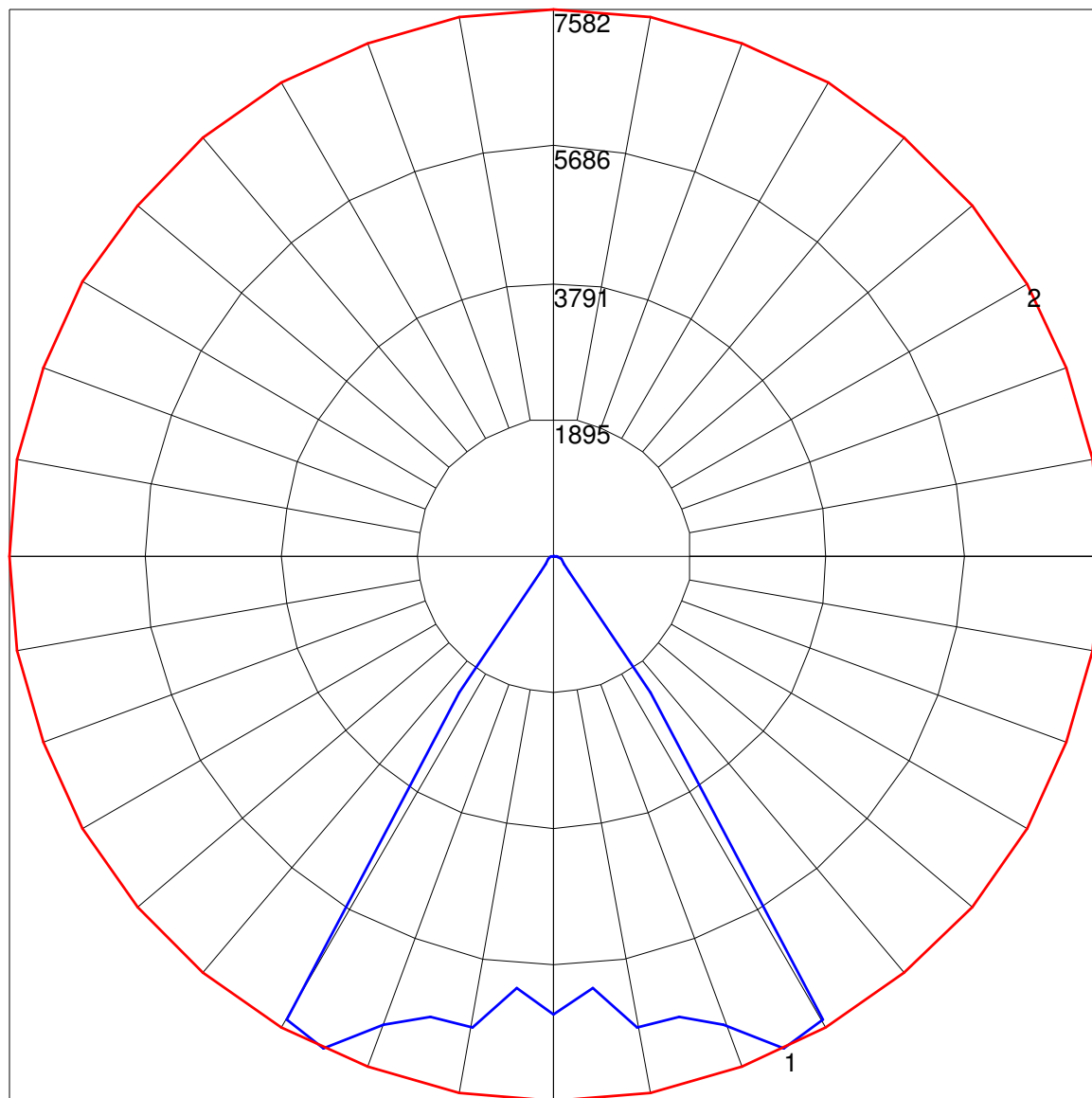
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	455	455	455	455	445	445	445	445	425	425	425	407	407	407	390	390	390	383
1	434	424	414	406	425	415	407	399	400	393	387	386	380	376	373	369	365	358
2	413	394	379	366	404	388	374	362	375	364	354	364	355	346	353	346	339	333
3	392	368	349	333	384	362	345	331	352	338	325	343	331	320	334	324	315	309
4	372	343	322	306	365	339	319	304	330	314	300	323	308	297	316	303	293	288
5	353	321	298	282	346	317	296	281	310	292	278	304	288	276	298	284	273	267
6	335	300	277	261	329	297	276	260	291	272	258	286	269	256	281	266	255	249
7	317	282	258	242	312	279	257	241	274	254	240	269	252	239	265	250	238	232
8	301	264	241	225	297	262	240	225	258	238	224	254	236	223	250	234	222	217
9	286	249	226	210	282	247	225	210	243	223	209	240	222	208	236	220	208	203
10	272	234	212	197	268	233	211	196	229	210	196	226	208	195	224	207	195	190

POLAR GRAPH



Maximum Candela = 7581.907 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.)