



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 4DR-TL-P62-835-POE-OW-OF-CS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20685.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 13-DEC-2018

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 1 BRIDGELUX V13 LED 4"RND RECESSED CAST HOUSING DOWNLIGHT

[MORE] OPEN SEMI-SPEC SPUN ALUMINUM REFLECTOR (WIDE)

[LUMCAT] 4DR-TL-P62-835-DIM-OW-OF-CS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6151
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	50
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	0.94
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.37 ft (Diameter)
Luminous Width (90-270)	0.37 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	18652	18652	18652
55	5749	5749	5749
65	709	709	709
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0	5278.952
5	5436.445
10	5599.772
15	5716.434
20	5970.174
25	6506.819
30	5098.126
35	895.380
40	233.324
45	128.328
50	67.081
55	32.082
60	14.583
65	2.917
70	2.917
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	2157.31	N.A.	35.10
0-30	4934.53	N.A.	80.20
0-40	6005.43	N.A.	97.60
0-60	6144.23	N.A.	99.90
0-80	6150.72	N.A.	100.00
0-90	6150.72	N.A.	100.00
10-90	5627.82	N.A.	91.50
20-40	3848.12	N.A.	62.60
20-50	3954.57	N.A.	64.30
40-70	144.53	N.A.	2.30
60-80	6.49	N.A.	0.10
70-80	0.76	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	6150.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	522.90
10-20	1634.41
20-30	2777.22
30-40	1070.9
40-50	106.45
50-60	32.35
60-70	5.73
70-80	0.76
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

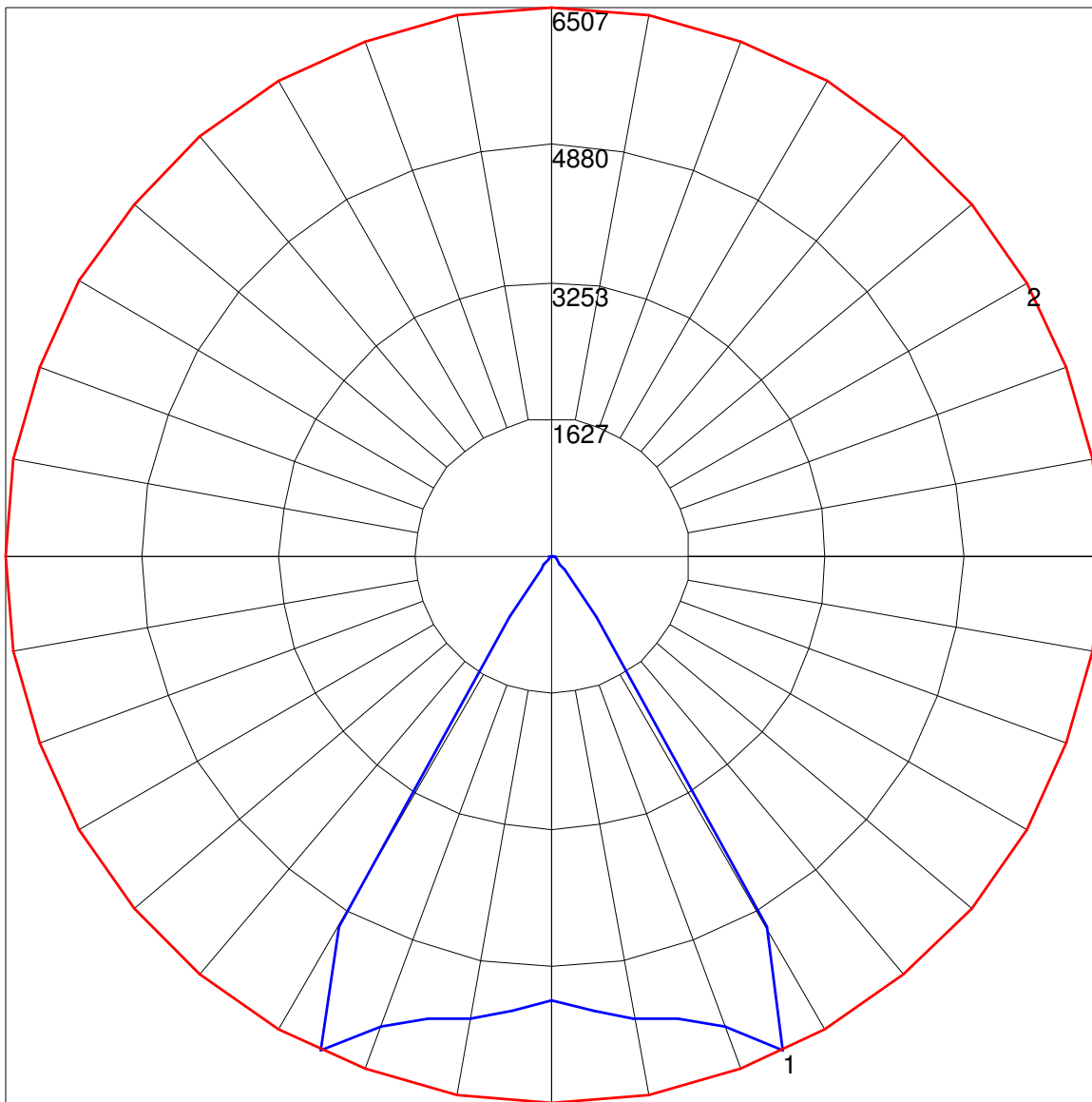
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	258	258	258	258	252	252	252	252	241	241	241	231	231	231	221	221	221	217
1	246	241	235	231	241	236	231	227	227	224	220	219	216	214	212	209	207	204
2	235	225	216	209	230	221	213	207	214	208	202	207	202	198	202	197	194	190
3	223	210	200	191	219	207	197	190	201	193	187	196	189	184	191	186	181	178
4	213	197	185	176	209	194	183	175	190	180	173	185	177	171	181	175	169	166
5	202	185	172	163	199	182	171	162	179	169	161	175	166	160	172	164	158	155
6	192	173	161	152	189	172	160	151	168	158	150	165	156	149	163	155	148	145
7	183	163	150	142	180	162	150	141	159	148	140	156	147	140	154	145	139	136
8	174	154	141	132	171	153	140	132	150	139	132	148	138	131	146	137	130	128
9	166	145	133	124	163	144	132	124	142	131	123	140	130	123	138	129	123	120
10	158	137	125	117	156	136	124	116	134	124	116	133	123	116	131	122	115	113

POLAR GRAPH



Maximum Candela = 6506.819 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.)