



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L23-8TW-DIM-OW-OF-CS_4000K.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] 1 BRIDGELUX V13 LED 6"RND RECESSED CAST HOUSING DOWNLIGHT

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

[LUMCAT] 6DR-TL-L23-8TW-DIM-OW-OF-CS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2357
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	24
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	4366	4366	4366
55	1521	1521	1521
65	318	318	318
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0	1880.203
5	1775.622
10	1954.421
15	1951.047
20	2037.636
25	2228.805
30	2189.446
35	679.212
40	93.335
45	51.728
50	30.362
55	14.619
60	7.872
65	2.249
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	737.53	N.A.	31.30
0-30	1744.14	N.A.	74.00
0-40	2295.46	N.A.	97.40
0-60	2353.89	N.A.	99.90
0-80	2356.92	N.A.	100.00
0-90	2356.92	N.A.	100.00
10-90	2179.78	N.A.	92.50
20-40	1557.93	N.A.	66.10
20-50	1601.38	N.A.	67.90
40-70	61.46	N.A.	2.60
60-80	3.03	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	2356.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.14
10-20	560.39
20-30	1006.6
30-40	551.32
40-50	43.45
50-60	14.98
60-70	3.03
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

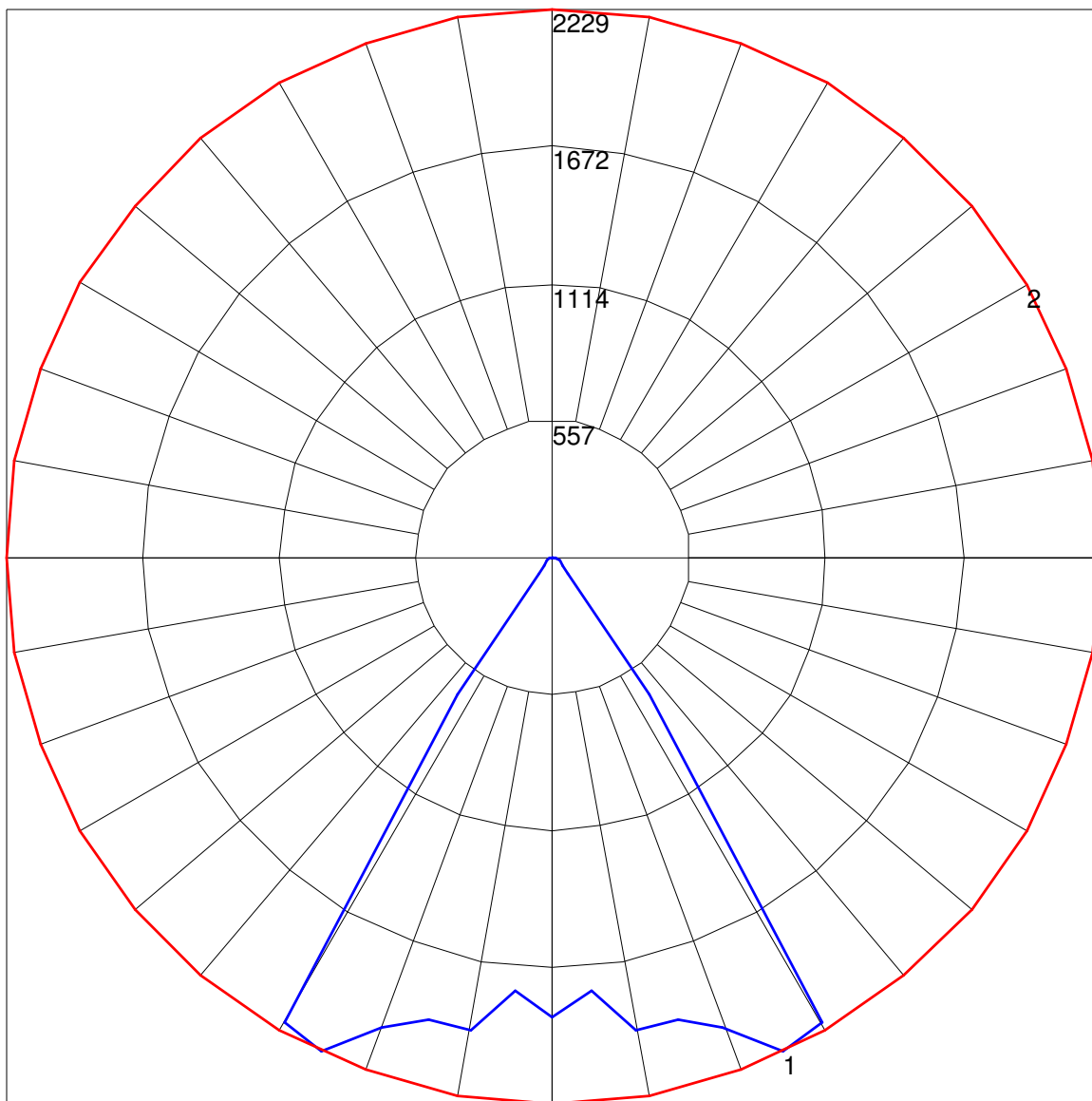
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	202	202	202	202	197	197	197	197	188	188	188	180	180	180	173	173	173	169
1	192	188	183	180	188	184	180	177	177	174	171	171	168	166	165	163	161	158
2	183	175	168	162	179	172	165	160	166	161	157	161	157	153	156	153	150	147
3	174	163	154	148	170	160	153	146	156	149	144	152	146	142	148	143	140	137
4	165	152	142	135	162	150	141	135	146	139	133	143	137	131	140	134	130	127
5	156	142	132	125	153	140	131	124	137	129	123	134	127	122	132	126	121	118
6	148	133	123	115	146	132	122	115	129	121	114	127	119	113	124	118	113	110
7	140	125	114	107	138	123	114	107	121	113	106	119	112	106	117	110	105	103
8	133	117	107	100	131	116	106	100	114	105	99	112	104	99	111	104	98	96
9	127	110	100	93	125	109	100	93	108	99	93	106	98	92	105	97	92	90
10	120	104	94	87	119	103	93	87	102	93	87	100	92	86	99	92	86	84

POLAR GRAPH



Maximum Candela = 2228.805 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.)