



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-P46-835-DIM-POE-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] 1 BRIDGELUX V13 LED 6"RND RECESSED CAST HOUSING DOWNLIGHT

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

[LUMCAT] 6DR-TL-P46-835-DIM-POE-OW-OF-CS

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4582
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	37.5
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	8487	8487	8487
55	2957	2957	2957
65	617	617	617
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0	3655.107
5	3451.803
10	3799.388
15	3792.830
20	3961.157
25	4332.789
30	4256.276
35	1320.386
40	181.444
45	100.559
50	59.024
55	28.419
60	15.302
65	4.372
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	1433.76	N.A.	31.30
0-30	3390.6	N.A.	74.00
0-40	4462.37	N.A.	97.40
0-60	4575.95	N.A.	99.90
0-80	4581.84	N.A.	100.00
0-90	4581.84	N.A.	100.00
10-90	4237.48	N.A.	92.50
20-40	3028.61	N.A.	66.10
20-50	3113.07	N.A.	67.90
40-70	119.47	N.A.	2.60
60-80	5.89	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	4581.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	344.36
10-20	1089.4
20-30	1956.84
30-40	1071.77
40-50	84.46
50-60	29.12
60-70	5.89
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

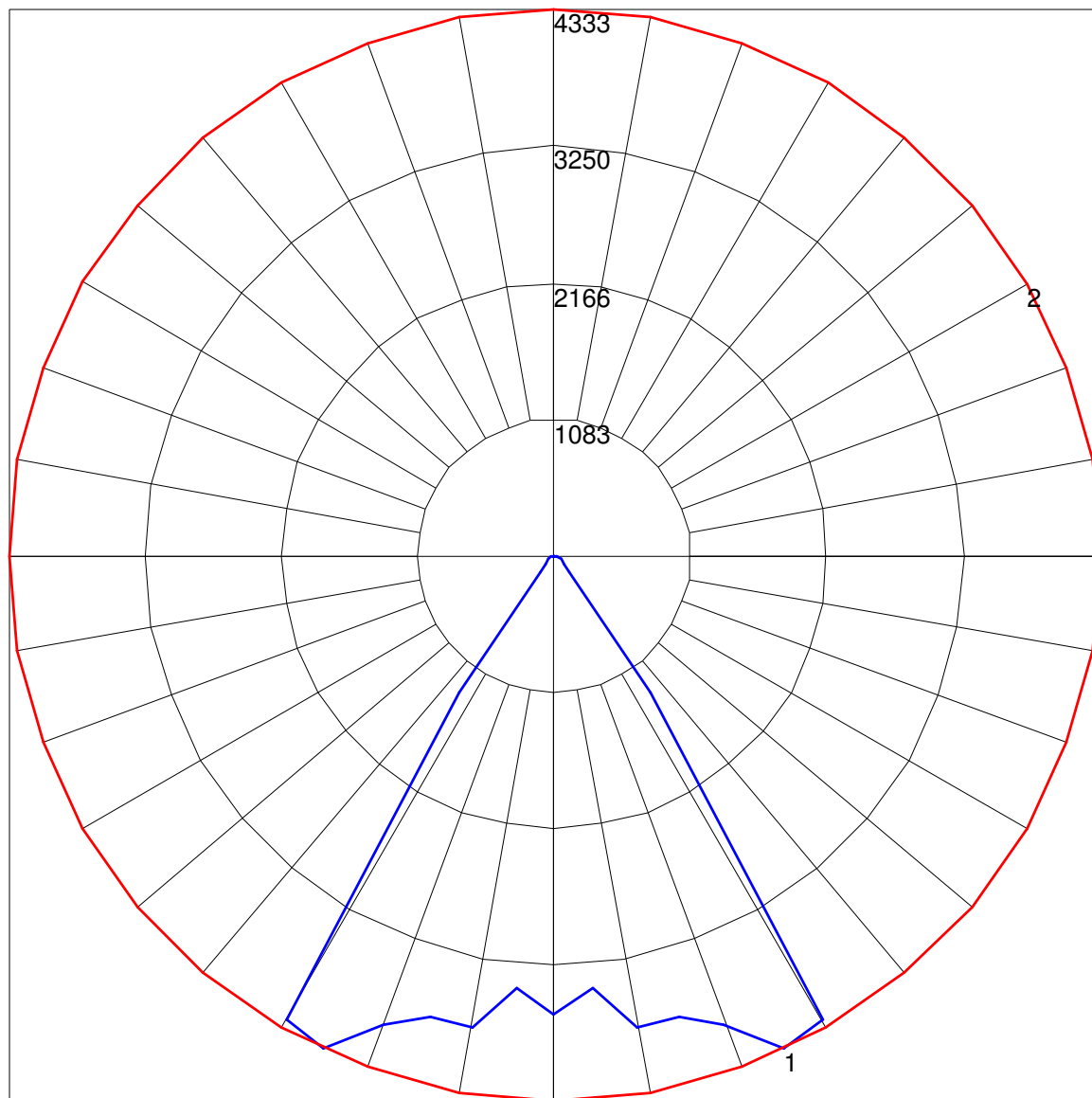
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	176	176	176	176	172	172	172	172	164	164	164	157	157	157	151	151	151	148
1	167	163	160	156	164	160	157	154	154	152	149	149	147	145	144	142	141	138
2	159	152	146	141	156	150	144	140	145	140	137	140	137	134	136	133	131	128
3	151	142	134	129	148	140	133	128	136	130	125	132	128	124	129	125	122	119
4	143	132	124	118	141	131	123	117	127	121	116	124	119	114	122	117	113	111
5	136	124	115	109	134	122	114	108	120	113	107	117	111	106	115	110	105	103
6	129	116	107	101	127	115	106	100	112	105	100	110	104	99	108	103	98	96
7	122	109	100	93	120	108	99	93	106	98	93	104	97	92	102	96	92	90
8	116	102	93	87	114	101	93	87	99	92	86	98	91	86	97	90	86	84
9	110	96	87	81	109	95	87	81	94	86	81	92	85	80	91	85	80	78
10	105	90	82	76	103	90	81	76	88	81	76	87	80	75	86	80	75	73

POLAR GRAPH



Maximum Candela = 4332.789 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.)