



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-P16-835-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-P16-835-DIM-POE-OW-OF-CS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1611
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	12.3
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	2984	2984	2984
55	1040	1040	1040
65	217	217	217
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0	1285.111
5	1213.630
10	1335.839
15	1333.533
20	1392.715
25	1523.379
30	1496.477
35	464.238
40	63.794
45	35.356
50	20.752
55	9.992
60	5.380
65	1.537
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	504.10	N.A.	31.30
0-30	1192.11	N.A.	74.00
0-40	1568.94	N.A.	97.40
0-60	1608.87	N.A.	99.90
0-80	1610.94	N.A.	100.00
0-90	1610.94	N.A.	100.00
10-90	1489.87	N.A.	92.50
20-40	1064.84	N.A.	66.10
20-50	1094.53	N.A.	67.90
40-70	42.00	N.A.	2.60
60-80	2.07	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	1610.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.07
10-20	383.03
20-30	688.01
30-40	376.83
40-50	29.70
50-60	10.24
60-70	2.07
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

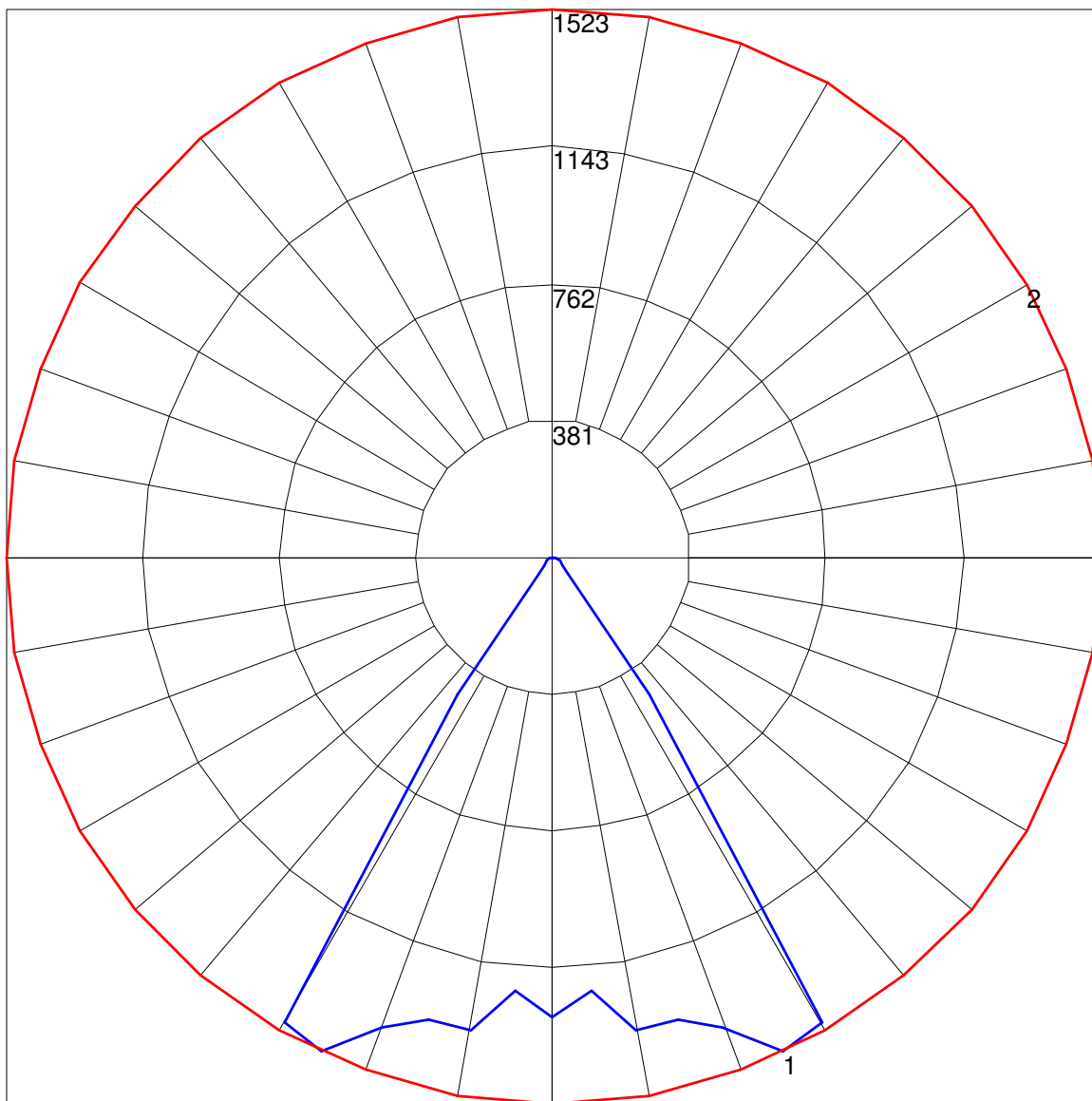
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	62	62	62	62	60	60	60	60	58	58	58	55	55	55	53	53	53	52
1	59	57	56	55	58	56	55	54	54	53	52	52	52	51	51	50	49	49
2	56	53	51	50	55	53	51	49	51	49	48	49	48	47	48	47	46	45
3	53	50	47	45	52	49	47	45	48	46	44	46	45	43	45	44	43	42
4	50	47	44	41	49	46	43	41	45	43	41	44	42	40	43	41	40	39
5	48	43	40	38	47	43	40	38	42	40	38	41	39	37	40	39	37	36
6	45	41	38	35	45	40	37	35	40	37	35	39	36	35	38	36	35	34
7	43	38	35	33	42	38	35	33	37	34	33	37	34	32	36	34	32	31
8	41	36	33	31	40	36	33	30	35	32	30	34	32	30	34	32	30	29
9	39	34	31	29	38	33	30	28	33	30	28	33	30	28	32	30	28	27
10	37	32	29	27	36	32	29	27	31	28	27	31	28	26	30	28	26	26

POLAR GRAPH



Maximum Candela = 1523.379 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.)