



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L13-8TW-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] 1 BRIDGELUX V13 LED 6"RND RECESSED CAST HOUSING DOWNLIGHT

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

[LUMCAT] 6DR-TL-L13-8TW-DIM-OW-OF-CS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1392
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	14.6
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	2578	2578	2578
55	898	898	898
65	188	188	188
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0	1110.208
5	1048.456
10	1154.032
15	1152.040
20	1203.168
25	1316.048
30	1292.808
35	401.056
40	55.112
45	30.544
50	17.928
55	8.632
60	4.648
65	1.328
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	435.49	N.A.	31.30
0-30	1029.87	N.A.	74.00
0-40	1355.41	N.A.	97.40
0-60	1389.91	N.A.	99.90
0-80	1391.69	N.A.	100.00
0-90	1391.69	N.A.	100.00
10-90	1287.1	N.A.	92.50
20-40	919.91	N.A.	66.10
20-50	945.57	N.A.	67.90
40-70	36.29	N.A.	2.60
60-80	1.79	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	1391.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.60
10-20	330.90
20-30	594.37
30-40	325.54
40-50	25.65
50-60	8.84
60-70	1.79
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

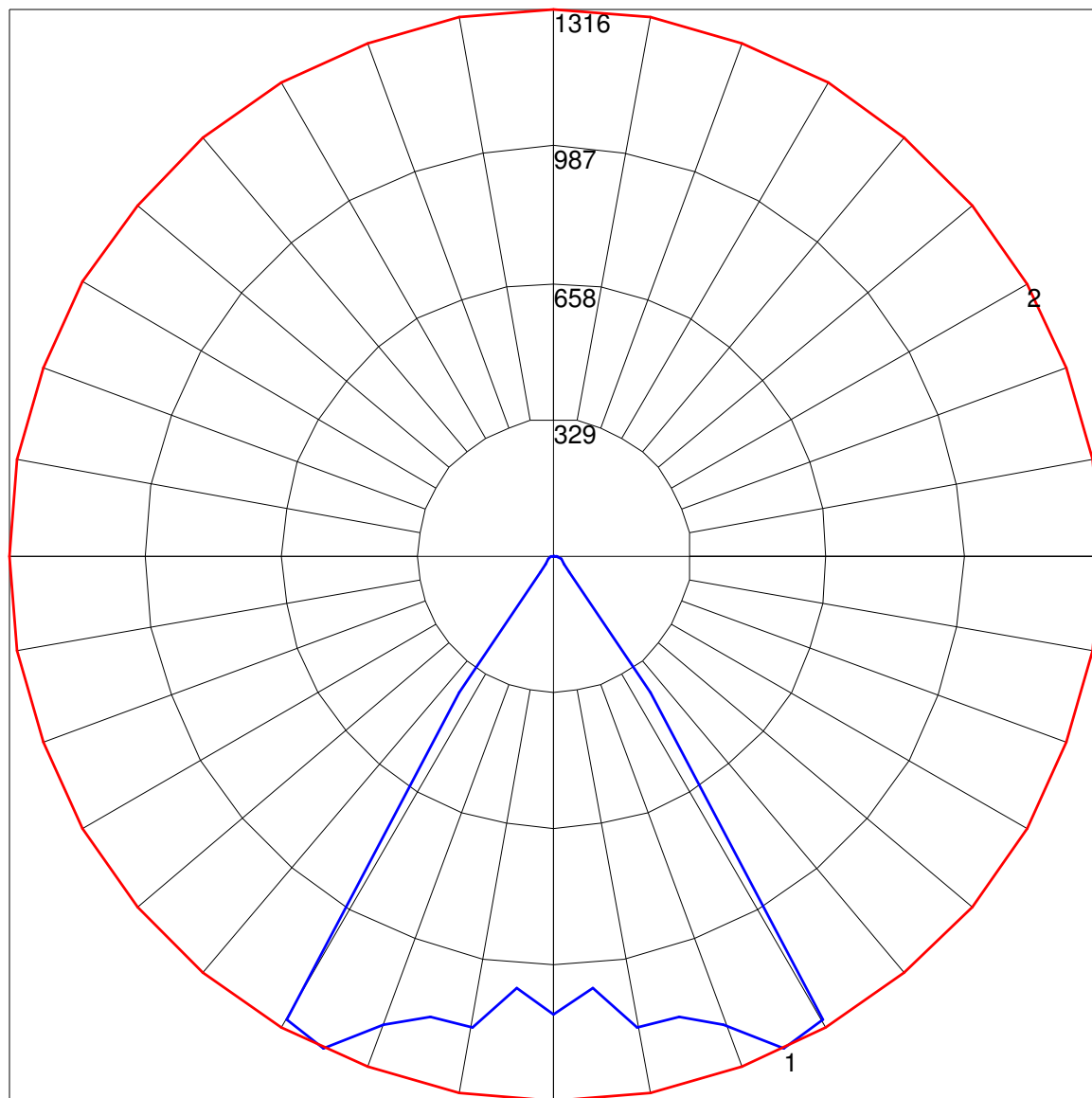
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	79	79	79	79	77	77	77	77	74	74	74	71	71	71	68	68	68	66
1	75	74	72	70	74	72	71	69	69	68	67	67	66	65	65	64	63	62
2	72	68	66	64	70	67	65	63	65	63	61	63	62	60	61	60	59	58
3	68	64	60	58	67	63	60	57	61	59	56	60	57	56	58	56	55	54
4	65	60	56	53	63	59	55	53	57	54	52	56	54	52	55	53	51	50
5	61	56	52	49	60	55	51	49	54	51	48	53	50	48	52	49	47	46
6	58	52	48	45	57	52	48	45	51	47	45	50	47	44	49	46	44	43
7	55	49	45	42	54	48	45	42	48	44	42	47	44	41	46	43	41	40
8	52	46	42	39	51	46	42	39	45	41	39	44	41	39	43	41	39	38
9	50	43	39	37	49	43	39	36	42	39	36	42	38	36	41	38	36	35
10	47	41	37	34	47	40	37	34	40	36	34	39	36	34	39	36	34	33

POLAR GRAPH



Maximum Candela = 1316.048 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.)