



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L14-9TC-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-L14-9TC-DIM-OW-OF-CS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1432
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
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	2652	2652	2652
55	924	924	924
65	193	193	193
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0	1142.321
5	1078.782
10	1187.412
15	1185.363
20	1237.969
25	1354.114
30	1330.202
35	412.656
40	56.706
45	31.427
50	18.447
55	8.882
60	4.782
65	1.366
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	448.09	N.A.	31.30
0-30	1059.65	N.A.	74.00
0-40	1394.61	N.A.	97.40
0-60	1430.11	N.A.	99.90
0-80	1431.95	N.A.	100.00
0-90	1431.95	N.A.	100.00
10-90	1324.33	N.A.	92.50
20-40	946.52	N.A.	66.10
20-50	972.92	N.A.	67.90
40-70	37.34	N.A.	2.60
60-80	1.84	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	1431.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	107.62
10-20	340.47
20-30	611.56
30-40	334.96
40-50	26.40
50-60	9.10
60-70	1.84
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

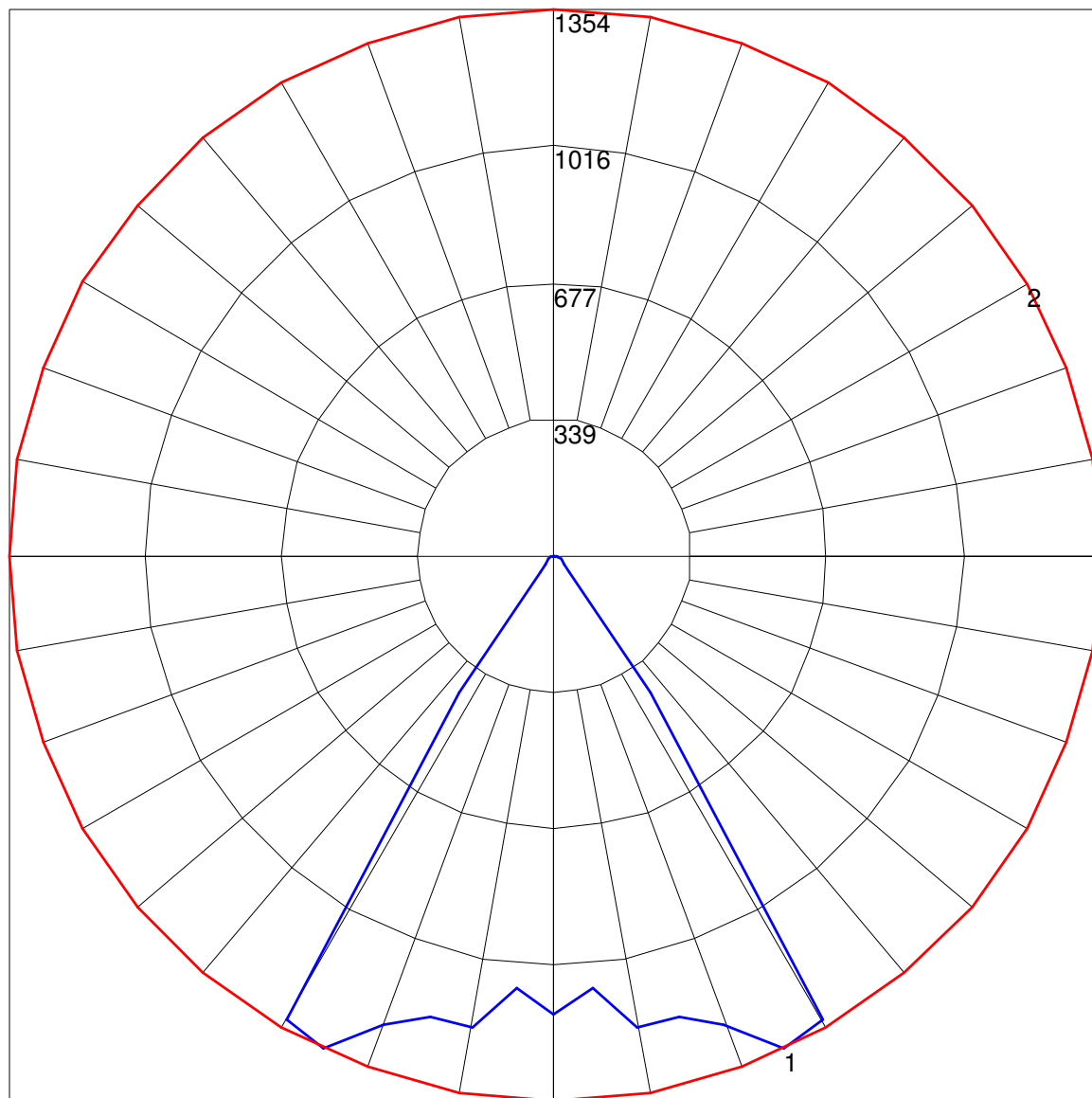
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	76	76	76	76	74	74	74	74	70	70	70	67	67	67	65	65	65	63
1	72	70	69	67	70	69	68	66	66	65	64	64	63	62	62	61	60	59
2	68	65	63	61	67	64	62	60	62	60	59	60	59	57	59	57	56	55
3	65	61	58	55	64	60	57	55	58	56	54	57	55	53	55	54	52	51
4	62	57	53	51	61	56	53	50	55	52	50	54	51	49	52	50	49	48
5	59	53	49	47	57	53	49	47	51	48	46	50	48	46	49	47	45	44
6	55	50	46	43	55	49	46	43	48	45	43	47	45	43	47	44	42	41
7	53	47	43	40	52	46	43	40	45	42	40	45	42	40	44	41	39	39
8	50	44	40	37	49	43	40	37	43	39	37	42	39	37	42	39	37	36
9	47	41	37	35	47	41	37	35	40	37	35	40	37	35	39	36	34	34
10	45	39	35	33	44	39	35	33	38	35	32	38	35	32	37	34	32	31

POLAR GRAPH



Maximum Candela = 1354.114 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.)