



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L15-835-(L11)-DIM1-UNV-RW-OF-CS_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM BALLABS TEST NO. 20733.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUEDATE] 04-14-2022
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] BRIDGELUX VERO13 LED 6"RND RECESSED CAST HOUSING DOWNLIGHT
 [MORE] WHITE REFL w/MICRO-PRISM GLASS LENS & SEMI-SPEC CONE
 [LUMCAT] 6DR-TL-L15-835-(L11)-DIM1-UNV-RW-OF-CS-WETCC
 [LAMPCAT] BRIDGELUX V13 BXRE-35e2000
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Indoor, Architectural, Classroom, Commercial, Healthcare, Office, Downlight
 [_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1110
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	10.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.80
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	12402	12402	12402
55	8503	8503	8503
65	3282	3282	3282
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0</u>
0	1695.621
5	1688.731
10	1025.027
15	760.159
20	751.738
25	745.614
30	611.648
35	244.200
40	172.241
45	150.041
50	120.952
55	83.441
60	50.524
65	23.731
70	7.655
75	0.000
80	0.000
85	0.000
90	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6DR-TL-L15-835-(L11)-DIM1-UNV-RW-OF-CS_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	368.04	N.A.	33.20
0-30	696.84	N.A.	62.80
0-40	892.35	N.A.	80.40
0-60	1082.19	N.A.	97.50
0-80	1110.19	N.A.	100.00
0-90	1110.19	N.A.	100.00
10-90	972.65	N.A.	87.60
20-40	524.32	N.A.	47.20
20-50	638.75	N.A.	57.50
40-70	215.84	N.A.	19.40
60-80	28.00	N.A.	2.50
70-80	2.00	N.A.	0.20
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	1110.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	137.54
10-20	230.50
20-30	328.81
30-40	195.51
40-50	114.43
50-60	75.41
60-70	26.00
70-80	2.00
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	88	84	98	92	87	83	89	85	81	87	83	80	85	82	79	77
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71
5	89	80	74	69	88	79	73	69	77	72	68	76	71	68	74	70	67	65
6	85	75	68	64	83	74	68	63	73	67	63	71	66	63	70	65	62	61
7	80	70	64	59	79	69	63	59	68	63	58	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	55	63	58	54	62	57	54	53
9	72	62	56	51	71	61	55	51	60	55	51	59	54	51	59	54	51	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46

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UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	15.3	16.5	15.7	16.8	17.1	UGR Viewed Endwise	15.3	16.5	15.7	16.8	17.1
	3H	15.4	16.4	15.7	16.7	17.1		15.4	16.4	15.7	16.7	17.1
	4H	15.3	16.2	15.7	16.6	16.9		15.3	16.2	15.7	16.6	16.9
	6H	15.2	16.0	15.6	16.4	16.8		15.2	16.0	15.6	16.4	16.8
	8H	15.1	15.9	15.6	16.3	16.7		15.1	15.9	15.6	16.3	16.7
	12H	15.1	15.8	15.5	16.2	16.7		15.1	15.8	15.5	16.2	16.7

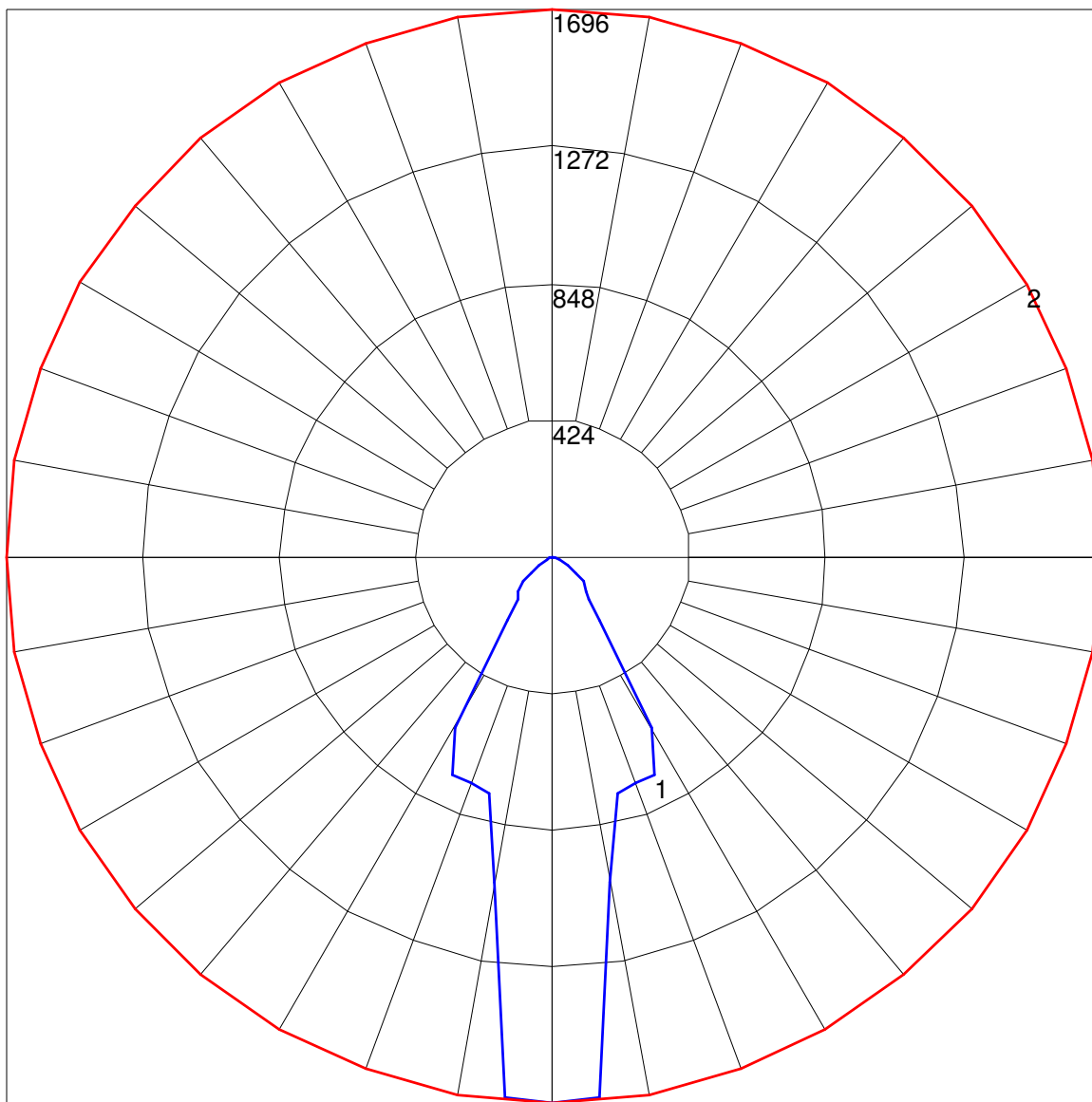
4H	2H	15.3	16.2	15.7	16.6	17.0	15.3	16.2	15.7	16.6	17.0
	3H	15.3	16.1	15.8	16.5	16.9	15.3	16.1	15.8	16.5	16.9
	4H	15.2	15.9	15.7	16.3	16.8	15.2	15.9	15.7	16.3	16.8
	6H	15.1	15.7	15.6	16.2	16.6	15.1	15.7	15.6	16.2	16.6
	8H	15.1	15.6	15.5	16.1	16.5	15.1	15.6	15.5	16.1	16.5
	12H	15.0	15.5	15.5	16.0	16.4	15.0	15.5	15.5	16.0	16.4

8H	4H	15.1	15.6	15.5	16.1	16.5	15.1	15.6	15.5	16.1	16.5
	6H	15.0	15.4	15.5	15.9	16.4	15.0	15.4	15.5	15.9	16.4
	8H	14.9	15.3	15.4	15.8	16.3	14.9	15.3	15.4	15.8	16.3
	12H	14.9	15.2	15.4	15.7	16.3	14.9	15.2	15.4	15.7	16.3

12H	4H	15.0	15.5	15.5	16.0	16.5	15.0	15.5	15.5	16.0	16.5
	6H	14.9	15.3	15.4	15.8	16.3	14.9	15.3	15.4	15.8	16.3
	8H	14.9	15.2	15.4	15.7	16.3	14.9	15.2	15.4	15.7	16.3

Maximum UGR = 17.1

POLAR GRAPH



Maximum Candela = 1695.621 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)