



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L5-835-RD-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM BALLABS TEST NO. 21002.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUEDATE] 2023-10-03
[MANUFAC] WILLIAMS INDOOR
[MORE] H.E. WILLIAMS, INC - CARTHAGE, MO
[LUMINAIRE] 72 INCH LED SLIMLINE ARCHITECTURAL LUMINAIRE
[MORE] 1.5" ALUM CHANNEL w/1"WIDE WHITE RADIAL ACRYLIC LENS
[MORE] 0-10V REMOTE DRIVER ENCLOSURE
[LUMCAT] SL-6-L5-835-RD-DIM-UNV
[LAMPCAT] 22 INCH LED ARRAY

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3108
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	26.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	6.00 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.05 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12859	10346	9819
55	12157	9263	8858
65	10850	7969	7882
75	9139	6568	7015
85	5079	5460	6317

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	978.670	978.670	978.670	978.670	978.670
5	981.874	977.069	970.662	969.060	970.662
10	967.458	962.653	956.246	956.246	959.449
15	946.635	941.830	935.423	937.025	937.025
20	914.600	909.795	901.786	908.193	909.795
25	874.557	869.751	868.150	872.955	876.158
30	824.902	824.902	824.902	831.309	829.708
35	772.044	772.044	772.044	778.451	783.257
40	707.974	709.576	711.178	722.390	728.797
45	639.099	643.904	648.710	661.524	666.329
50	563.817	568.622	579.834	599.055	608.666
55	491.738	493.340	514.162	530.180	544.596
60	408.447	416.456	445.287	475.720	485.331
65	325.156	337.970	371.606	405.243	419.659
70	248.272	261.086	302.731	344.377	357.191
75	169.786	192.210	238.661	285.112	304.333
80	99.309	123.335	185.803	232.254	253.077
85	33.637	78.486	136.149	182.600	203.423
90	0.000	43.247	100.910	142.556	158.573
95	0.000	22.425	68.875	110.521	124.937
100	0.000	11.212	48.053	81.689	96.105
105	0.000	6.407	33.637	59.265	72.079
110	0.000	4.805	22.425	43.247	51.256
115	0.000	3.204	14.416	30.433	38.442
120	0.000	0.000	8.009	19.221	24.026
125	0.000	0.000	6.407	12.814	16.018
130	0.000	0.000	0.000	8.009	9.611
135	0.000	0.000	0.000	0.000	6.407
140	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	357.33	N.A.	11.50
0-30	758.94	N.A.	24.40
0-40	1243.53	N.A.	40.00
0-60	2206.77	N.A.	71.00
0-80	2829.56	N.A.	91.00
0-90	2973.7	N.A.	95.70
10-90	2881.22	N.A.	92.70
20-40	886.20	N.A.	28.50
20-50	1388.91	N.A.	44.70
40-70	1332.86	N.A.	42.90
60-80	622.79	N.A.	20.00
70-80	253.16	N.A.	8.10
80-90	144.14	N.A.	4.60
90-110	110.76	N.A.	3.60
90-120	127.57	N.A.	4.10
90-130	133.59	N.A.	4.30
90-150	134.55	N.A.	4.30
90-180	134.55	N.A.	4.30
110-180	23.79	N.A.	0.80
0-180	3108.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	92.48
10-20	264.85
20-30	401.61
30-40	484.60
40-50	502.71
50-60	460.52
60-70	369.63
70-80	253.16
80-90	144.14
90-100	73.94
100-110	36.82
110-120	16.82
120-130	6.02
130-140	0.96
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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	106	101	96	92	103	98	94	90	93	90	86	89	86	83	84	82	80	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	88	76	68	61	85	75	67	60	71	64	59	68	62	57	64	60	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	54	49	57	52	47	45
5	74	60	51	44	71	59	50	44	56	49	43	54	47	42	51	46	41	39
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	38	32	43	37	32	30
8	59	45	36	30	57	44	36	30	42	35	29	41	34	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	28	24	33	28	23	22

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UGR TABLE - CORRECTED

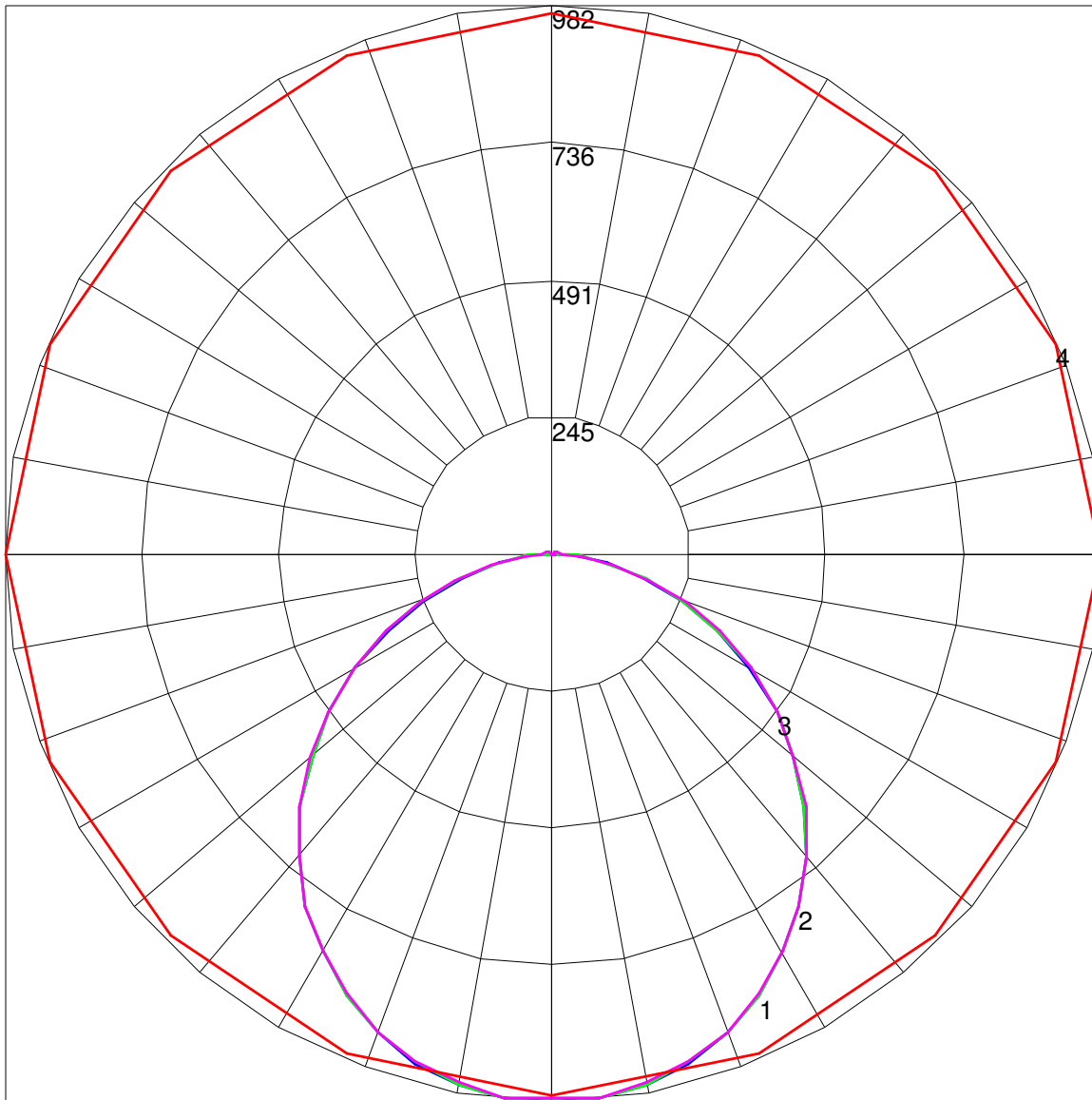
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	18.6	20.2	19.0	20.6	21.0	20.3	21.9	20.7	22.3	22.7
	3H	20.1	21.5	20.5	21.9	22.4	22.6	24.1	23.0	24.5	24.9
	4H	20.5	21.9	21.0	22.3	22.8	23.7	25.1	24.2	25.5	26.0
	6H	20.8	22.1	21.3	22.5	23.0	24.9	26.2	25.4	26.6	27.1
	8H	20.9	22.1	21.4	22.6	23.1	25.5	26.7	26.0	27.2	27.7
	12H	20.9	22.1	21.4	22.5	23.1	26.2	27.3	26.6	27.8	28.3
4H	2H	19.4	20.7	19.8	21.2	21.6	20.7	22.1	21.2	22.5	23.0
	3H	21.1	22.2	21.5	22.7	23.2	23.2	24.4	23.7	24.9	25.4
	4H	21.6	22.7	22.1	23.2	23.7	24.5	25.6	25.0	26.1	26.6
	6H	22.0	23.0	22.6	23.5	24.0	25.9	26.8	26.4	27.3	27.9
	8H	22.1	23.0	22.6	23.5	24.1	26.6	27.4	27.1	28.0	28.5
	12H	22.2	23.0	22.7	23.5	24.1	27.3	28.1	27.9	28.7	29.2
8H	4H	22.2	23.1	22.7	23.6	24.1	24.7	25.6	25.2	26.1	26.7
	6H	22.7	23.5	23.3	24.0	24.6	26.2	26.9	26.7	27.5	28.1
	8H	22.9	23.6	23.4	24.1	24.7	27.0	27.7	27.6	28.3	28.8
	12H	23.0	23.6	23.6	24.1	24.8	28.0	28.6	28.5	29.1	29.8
12H	4H	22.3	23.1	22.9	23.7	24.2	24.7	25.5	25.3	26.1	26.6
	6H	22.9	23.6	23.5	24.2	24.8	26.2	26.9	26.8	27.4	28.1
	8H	23.2	23.8	23.8	24.3	25.0	27.1	27.7	27.7	28.3	28.9

Maximum UGR = 29.8

POLAR GRAPH



Maximum Candela = 981.874 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (5 - 185)
3 - Vertical Plane Through Horizontal Angles (10 - 190)
4 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)