



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L3-935-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-L3-935-RD-DIM-UNV
[LAMPCAT] 22 INCH LED ARRAY

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1528
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	16.4
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	6320	5085	4826
55	5975	4553	4353
65	5332	3917	3874
75	4492	3228	3448
85	2496	2684	3105

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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	481.003	481.003	481.003	481.003	481.003
5	482.577	480.215	477.067	476.279	477.067
10	475.492	473.130	469.981	469.981	471.556
15	465.258	462.896	459.747	460.535	460.535
20	449.513	447.151	443.215	446.364	447.151
25	429.832	427.470	426.683	429.045	430.619
30	405.428	405.428	405.428	408.577	407.790
35	379.449	379.449	379.449	382.598	384.960
40	347.959	348.747	349.534	355.045	358.194
45	314.108	316.470	318.832	325.129	327.491
50	277.108	279.470	284.980	294.427	299.151
55	241.682	242.469	252.704	260.576	267.661
60	200.746	204.682	218.852	233.810	238.533
65	159.809	166.107	182.639	199.171	206.256
70	122.022	128.320	148.788	169.256	175.554
75	83.447	94.469	117.299	140.128	149.575
80	48.809	60.617	91.320	114.150	124.384
85	16.532	38.575	66.915	89.745	99.979
90	0.000	21.255	49.596	70.064	77.937
95	0.000	11.021	33.851	54.319	61.405
100	0.000	5.511	23.617	40.149	47.234
105	0.000	3.149	16.532	29.128	35.426
110	0.000	2.362	11.021	21.255	25.192
115	0.000	1.574	7.085	14.958	18.894
120	0.000	0.000	3.936	9.447	11.809
125	0.000	0.000	3.149	6.298	7.872
130	0.000	0.000	0.000	3.936	4.723
135	0.000	0.000	0.000	0.000	3.149
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	175.62	N.A.	11.50
0-30	373.01	N.A.	24.40
0-40	611.18	N.A.	40.00
0-60	1084.59	N.A.	71.00
0-80	1390.69	N.A.	91.00
0-90	1461.53	N.A.	95.70
10-90	1416.08	N.A.	92.70
20-40	435.56	N.A.	28.50
20-50	682.63	N.A.	44.70
40-70	655.08	N.A.	42.90
60-80	306.09	N.A.	20.00
70-80	124.42	N.A.	8.10
80-90	70.84	N.A.	4.60
90-110	54.44	N.A.	3.60
90-120	62.70	N.A.	4.10
90-130	65.66	N.A.	4.30
90-150	66.13	N.A.	4.30
90-180	66.13	N.A.	4.30
110-180	11.69	N.A.	0.80
0-180	1527.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	45.45
10-20	130.17
20-30	197.38
30-40	238.17
40-50	247.07
50-60	226.34
60-70	181.67
70-80	124.42
80-90	70.84
90-100	36.34
100-110	18.10
110-120	8.26
120-130	2.96
130-140	0.47
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	88	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	67	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	58	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	29	24	36	29	24	35	28	24	33	28	23	22

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UGR TABLE - CORRECTED

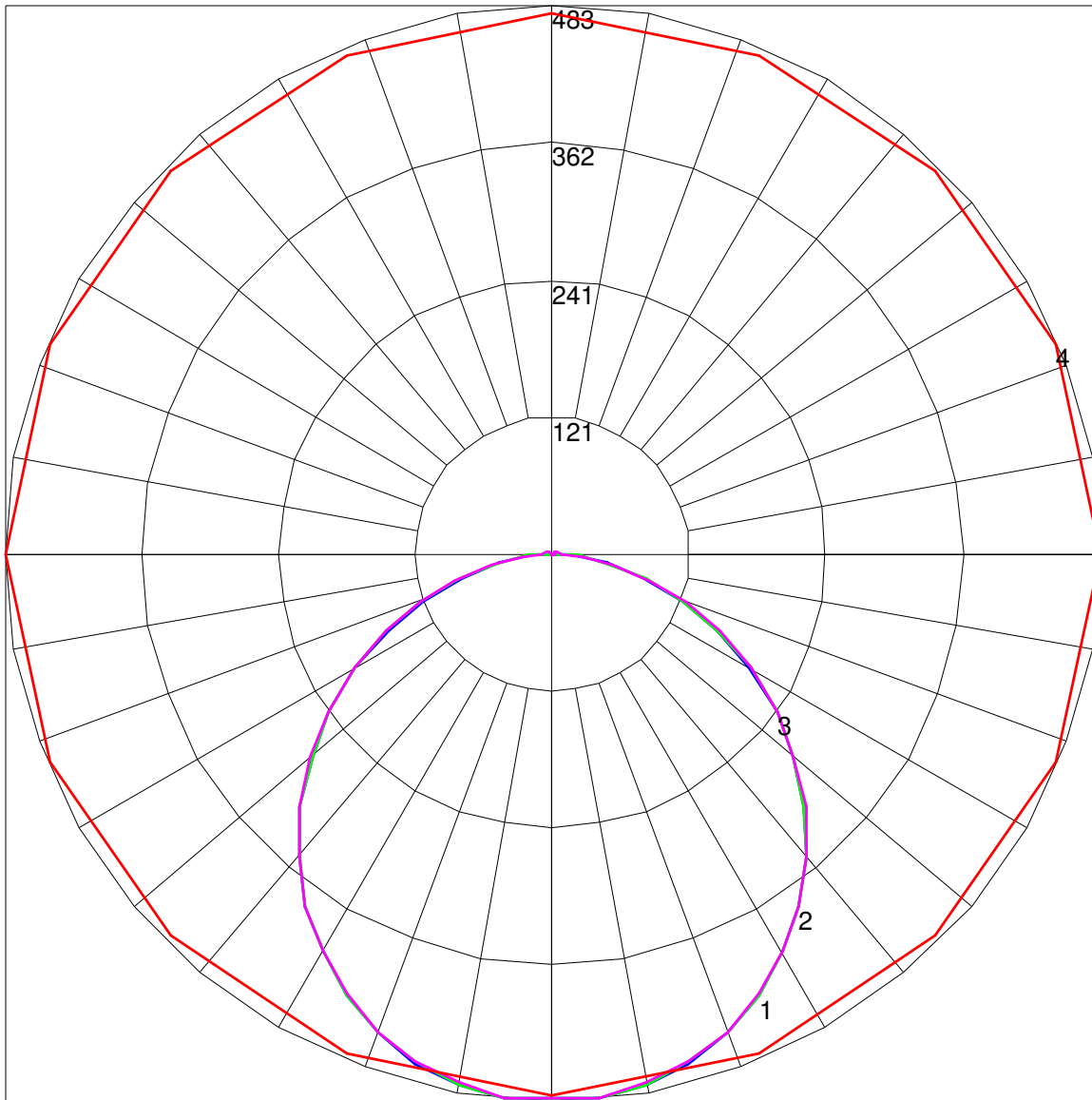
Reflectances

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	16.2	17.8	16.6	18.2	18.6	17.9	19.5	18.3	19.9	20.3
	3H	17.7	19.1	18.1	19.5	20.0	20.2	21.7	20.6	22.1	22.5
	4H	18.1	19.5	18.6	19.9	20.4	21.3	22.7	21.8	23.1	23.6
	6H	18.4	19.7	18.9	20.1	20.6	22.5	23.8	23.0	24.2	24.7
	8H	18.5	19.7	19.0	20.2	20.7	23.1	24.3	23.6	24.8	25.3
	12H	18.5	19.7	19.0	20.1	20.7	23.8	24.9	24.2	25.4	25.9
4H	2H	17.0	18.3	17.4	18.8	19.2	18.3	19.7	18.8	20.1	20.6
	3H	18.7	19.8	19.1	20.3	20.8	20.8	22.0	21.3	22.5	23.0
	4H	19.2	20.3	19.7	20.8	21.3	22.1	23.2	22.6	23.7	24.2
	6H	19.6	20.6	20.1	21.1	21.6	23.5	24.4	24.0	24.9	25.4
	8H	19.7	20.6	20.2	21.1	21.7	24.2	25.0	24.7	25.5	26.1
	12H	19.8	20.6	20.3	21.1	21.7	24.9	25.7	25.5	26.3	26.8
8H	4H	19.8	20.7	20.3	21.2	21.7	22.3	23.2	22.8	23.7	24.3
	6H	20.3	21.1	20.8	21.6	22.2	23.8	24.5	24.3	25.1	25.7
	8H	20.5	21.2	21.0	21.7	22.3	24.6	25.3	25.2	25.9	26.4
	12H	20.6	21.2	21.2	21.7	22.4	25.6	26.2	26.1	26.7	27.4
12H	4H	19.9	20.7	20.5	21.3	21.8	22.3	23.1	22.8	23.7	24.2
	6H	20.5	21.2	21.1	21.8	22.4	23.8	24.5	24.4	25.0	25.7
	8H	20.8	21.4	21.3	21.9	22.6	24.7	25.3	25.3	25.9	26.5

Maximum UGR = 27.4

POLAR GRAPH



Maximum Candela = 482.577 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.)