



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L3-850-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-L3-850-RD-DIM-UNV
[LAMPCAT] 22 INCH LED ARRAY

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1951
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
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	8071	6494	6163
55	7630	5814	5560
65	6810	5002	4948
75	5736	4123	4403
85	3188	3427	3965

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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	614.293	614.293	614.293	614.293	614.293
5	616.303	613.287	609.266	608.260	609.266
10	607.255	604.239	600.217	600.217	602.228
15	594.185	591.169	587.147	588.153	588.153
20	574.077	571.061	566.034	570.056	571.061
25	548.942	545.926	544.921	547.937	549.948
30	517.775	517.775	517.775	521.797	520.791
35	484.597	484.597	484.597	488.619	491.635
40	444.382	445.387	446.393	453.430	457.452
45	401.150	404.166	407.183	415.226	418.242
50	353.897	356.913	363.951	376.015	382.048
55	308.654	309.660	322.730	332.784	341.832
60	256.374	261.401	279.498	298.601	304.633
65	204.094	212.137	233.250	254.363	263.412
70	155.835	163.878	190.019	216.159	224.202
75	106.571	120.647	149.803	178.959	191.024
80	62.334	77.415	116.625	145.781	158.851
85	21.113	49.264	85.458	114.614	127.684
90	0.000	27.146	63.340	89.480	99.534
95	0.000	14.075	43.232	69.372	78.420
100	0.000	7.038	30.162	51.275	60.323
105	0.000	4.022	21.113	37.199	45.243
110	0.000	3.016	14.075	27.146	32.172
115	0.000	2.011	9.049	19.102	24.129
120	0.000	0.000	5.027	12.065	15.081
125	0.000	0.000	4.022	8.043	10.054
130	0.000	0.000	0.000	5.027	6.032
135	0.000	0.000	0.000	0.000	4.022
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	224.29	N.A.	11.50
0-30	476.37	N.A.	24.40
0-40	780.54	N.A.	40.00
0-60	1385.14	N.A.	71.00
0-80	1776.06	N.A.	91.00
0-90	1866.53	N.A.	95.70
10-90	1808.48	N.A.	92.70
20-40	556.25	N.A.	28.50
20-50	871.79	N.A.	44.70
40-70	836.61	N.A.	42.90
60-80	390.91	N.A.	20.00
70-80	158.90	N.A.	8.10
80-90	90.47	N.A.	4.60
90-110	69.52	N.A.	3.60
90-120	80.08	N.A.	4.10
90-130	83.85	N.A.	4.30
90-150	84.45	N.A.	4.30
90-180	84.45	N.A.	4.30
110-180	14.93	N.A.	0.80
0-180	1950.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.05
10-20	166.24
20-30	252.08
30-40	304.17
40-50	315.54
50-60	289.06
60-70	232.01
70-80	158.90
80-90	90.47
90-100	46.41
100-110	23.11
110-120	10.55
120-130	3.78
130-140	0.60
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	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	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

X=2H	Y=2H	17.0	18.6	17.4	19.0	19.4	18.7	20.3	19.1	20.7	21.1
	3H	18.5	19.9	18.9	20.3	20.8	21.0	22.5	21.4	22.9	23.3
	4H	18.9	20.3	19.4	20.7	21.2	22.1	23.5	22.6	23.9	24.4
	6H	19.2	20.5	19.7	20.9	21.4	23.3	24.6	23.8	25.0	25.5
	8H	19.3	20.5	19.8	21.0	21.5	23.9	25.1	24.4	25.6	26.1
	12H	19.3	20.5	19.8	20.9	21.5	24.6	25.7	25.0	26.2	26.7

UGR Viewed Endwise

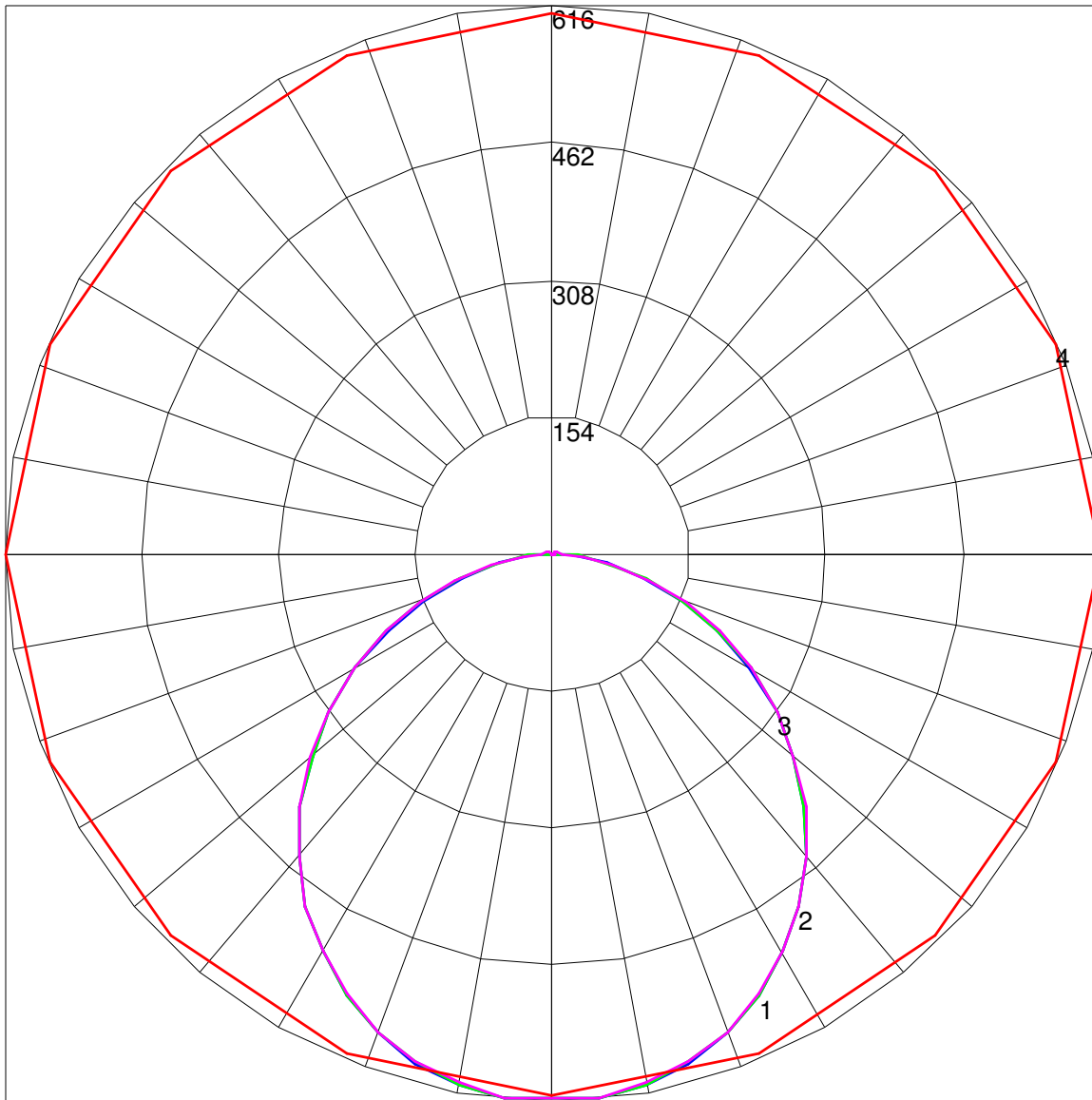
4H	2H	17.8	19.1	18.2	19.6	20.0	19.1	20.5	19.6	20.9	21.4
	3H	19.5	20.6	19.9	21.1	21.6	21.6	22.8	22.1	23.3	23.8
	4H	20.0	21.1	20.5	21.6	22.1	22.9	24.0	23.4	24.5	25.0
	6H	20.4	21.4	21.0	21.9	22.4	24.3	25.2	24.8	25.7	26.3
	8H	20.5	21.4	21.0	21.9	22.5	25.0	25.8	25.5	26.3	26.9
	12H	20.6	21.4	21.1	21.9	22.5	25.7	26.5	26.3	27.1	27.6

8H	4H	20.6	21.5	21.1	22.0	22.5	23.1	24.0	23.6	24.5	25.1
	6H	21.1	21.9	21.7	22.4	23.0	24.6	25.3	25.1	25.9	26.5
	8H	21.3	22.0	21.8	22.5	23.1	25.4	26.1	26.0	26.7	27.2
	12H	21.4	22.0	22.0	22.5	23.2	26.4	27.0	26.9	27.5	28.2

12H	4H	20.7	21.5	21.3	22.1	22.6	23.1	23.9	23.7	24.5	25.0
	6H	21.3	22.0	21.9	22.6	23.2	24.6	25.3	25.2	25.8	26.5
	8H	21.6	22.2	22.2	22.7	23.4	25.5	26.1	26.1	26.7	27.3

Maximum UGR = 28.2

POLAR GRAPH



Maximum Candela = 616.303 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.)