



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SL-6-L5-830-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-L5-830-RD-DIM-UNV  
[LAMPCAT] 22 INCH LED ARRAY

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3077
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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	12730	10243	9721
55	12035	9170	8769
65	10741	7890	7803
75	9047	6503	6945
85	5028	5405	6254

IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : SL-6-L5-830-RD-DIM-UNV\_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	968.883	968.883	968.883	968.883	968.883
5	972.055	967.298	960.955	959.369	960.955
10	957.783	953.026	946.683	946.683	949.855
15	937.169	932.412	926.069	927.654	927.654
20	905.454	900.697	892.768	899.111	900.697
25	865.811	861.054	859.468	864.225	867.397
30	816.653	816.653	816.653	822.996	821.410
35	764.324	764.324	764.324	770.667	775.424
40	700.894	702.480	704.066	715.166	721.509
45	632.708	637.465	642.222	654.908	659.665
50	558.178	562.936	574.036	593.065	602.579
55	486.820	488.406	509.021	524.878	539.150
60	404.362	412.291	440.834	470.963	480.477
65	321.904	334.590	367.890	401.191	415.462
70	245.789	258.475	299.704	340.933	353.619
75	168.088	190.288	236.274	282.261	301.289
80	98.316	122.102	183.945	229.931	250.546
85	33.300	77.701	134.787	180.774	201.388
90	0.000	42.815	99.901	141.130	156.988
95	0.000	22.200	68.187	109.416	123.687
100	0.000	11.100	47.572	80.872	95.144
105	0.000	6.343	33.300	58.672	71.358
110	0.000	4.757	22.200	42.815	50.743
115	0.000	3.171	14.272	30.129	38.058
120	0.000	0.000	7.929	19.029	23.786
125	0.000	0.000	6.343	12.686	15.857
130	0.000	0.000	0.000	7.929	9.514
135	0.000	0.000	0.000	0.000	6.343
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SL-6-L5-830-RD-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	353.76	N.A.	11.50
0-30	751.35	N.A.	24.40
0-40	1231.1	N.A.	40.00
0-60	2184.7	N.A.	71.00
0-80	2801.26	N.A.	91.00
0-90	2943.96	N.A.	95.70
10-90	2852.4	N.A.	92.70
20-40	877.34	N.A.	28.50
20-50	1375.02	N.A.	44.70
40-70	1319.53	N.A.	42.90
60-80	616.56	N.A.	20.00
70-80	250.63	N.A.	8.10
80-90	142.70	N.A.	4.60
90-110	109.65	N.A.	3.60
90-120	126.30	N.A.	4.10
90-130	132.26	N.A.	4.30
90-150	133.20	N.A.	4.30
90-180	133.20	N.A.	4.30
110-180	23.55	N.A.	0.80
0-180	3077.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	91.56
10-20	262.20
20-30	397.59
30-40	479.75
40-50	497.68
50-60	455.92
60-70	365.93
70-80	250.63
80-90	142.70
90-100	73.20
100-110	36.45
110-120	16.65
120-130	5.96
130-140	0.95
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SL-6-L5-830-RD-DIM-UNV\_.IES**

**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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SL-6-L5-830-RD-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

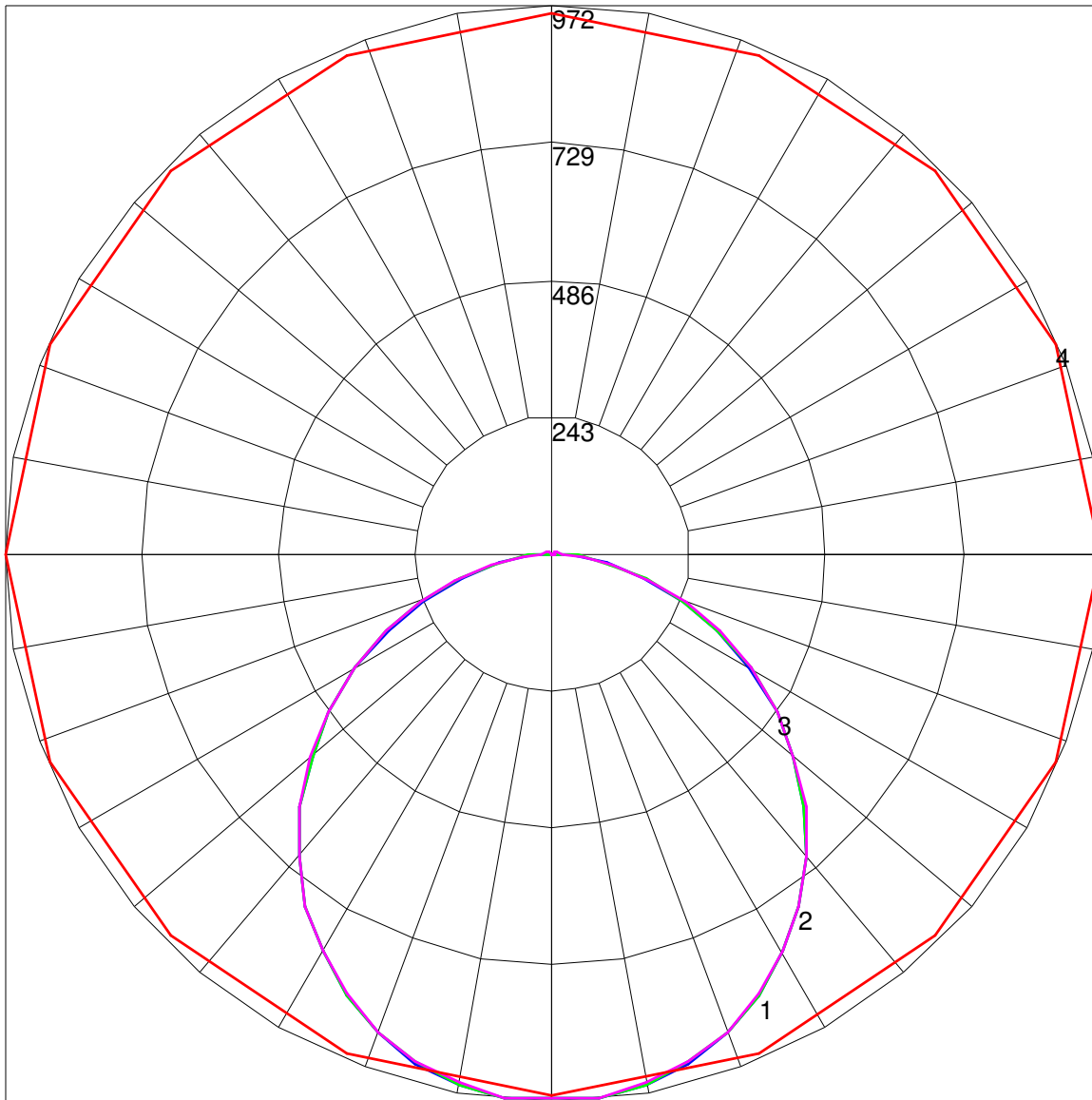
Reflectances

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 = 972.055 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.)