



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SL-6-L5-930-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-L5-930-RD-DIM-UNV  
[LAMPCAT] 22 INCH LED ARRAY

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2549
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
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	10544	8484	8052
55	9968	7595	7263
65	8897	6535	6463
75	7494	5386	5753
85	4165	4477	5180

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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>
<b>0</b>	802.509	802.509	802.509	802.509	802.509
<b>5</b>	805.136	801.196	795.942	794.629	795.942
<b>10</b>	793.315	789.375	784.121	784.121	786.748
<b>15</b>	776.241	772.300	767.047	768.360	768.360
<b>20</b>	749.972	746.032	739.464	744.718	746.032
<b>25</b>	717.136	713.196	711.882	715.823	718.450
<b>30</b>	676.420	676.420	676.420	681.673	680.360
<b>35</b>	633.076	633.076	633.076	638.330	642.270
<b>40</b>	580.539	581.852	583.166	592.360	597.613
<b>45</b>	524.061	528.001	531.942	542.449	546.389
<b>50</b>	462.329	466.270	475.464	491.225	499.106
<b>55</b>	403.225	404.538	421.613	434.747	446.568
<b>60</b>	334.926	341.493	365.135	390.091	397.971
<b>65</b>	266.628	277.135	304.717	332.299	344.120
<b>70</b>	203.583	214.090	248.239	282.389	292.896
<b>75</b>	139.224	157.612	195.702	233.792	249.553
<b>80</b>	81.433	101.135	152.359	190.448	207.523
<b>85</b>	27.582	64.358	111.642	149.732	166.806
<b>90</b>	0.000	35.463	82.746	116.896	130.030
<b>95</b>	0.000	18.388	56.478	90.627	102.448
<b>100</b>	0.000	9.194	39.403	66.985	78.806
<b>105</b>	0.000	5.254	27.582	48.597	59.105
<b>110</b>	0.000	3.940	18.388	35.463	42.030
<b>115</b>	0.000	2.627	11.821	24.955	31.522
<b>120</b>	0.000	0.000	6.567	15.761	19.702
<b>125</b>	0.000	0.000	5.254	10.507	13.134
<b>130</b>	0.000	0.000	0.000	6.567	7.881
<b>135</b>	0.000	0.000	0.000	0.000	5.254
<b>140</b>	0.000	0.000	0.000	0.000	0.000
<b>145</b>	0.000	0.000	0.000	0.000	0.000
<b>150</b>	0.000	0.000	0.000	0.000	0.000
<b>155</b>	0.000	0.000	0.000	0.000	0.000
<b>160</b>	0.000	0.000	0.000	0.000	0.000
<b>165</b>	0.000	0.000	0.000	0.000	0.000
<b>170</b>	0.000	0.000	0.000	0.000	0.000
<b>175</b>	0.000	0.000	0.000	0.000	0.000
<b>180</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	293.01	N.A.	11.50
0-30	622.33	N.A.	24.40
0-40	1019.7	N.A.	40.00
0-60	1809.55	N.A.	71.00
0-80	2320.23	N.A.	91.00
0-90	2438.43	N.A.	95.70
10-90	2362.6	N.A.	92.70
20-40	726.69	N.A.	28.50
20-50	1138.91	N.A.	44.70
40-70	1092.95	N.A.	42.90
60-80	510.69	N.A.	20.00
70-80	207.59	N.A.	8.10
80-90	118.20	N.A.	4.60
90-110	90.82	N.A.	3.60
90-120	104.61	N.A.	4.10
90-130	109.55	N.A.	4.30
90-150	110.33	N.A.	4.30
90-180	110.33	N.A.	4.30
110-180	19.51	N.A.	0.80
0-180	2548.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	75.83
10-20	217.18
20-30	329.32
30-40	397.37
40-50	412.22
50-60	377.63
60-70	303.10
70-80	207.59
80-90	118.20
90-100	60.63
100-110	30.19
110-120	13.79
120-130	4.93
130-140	0.79
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**

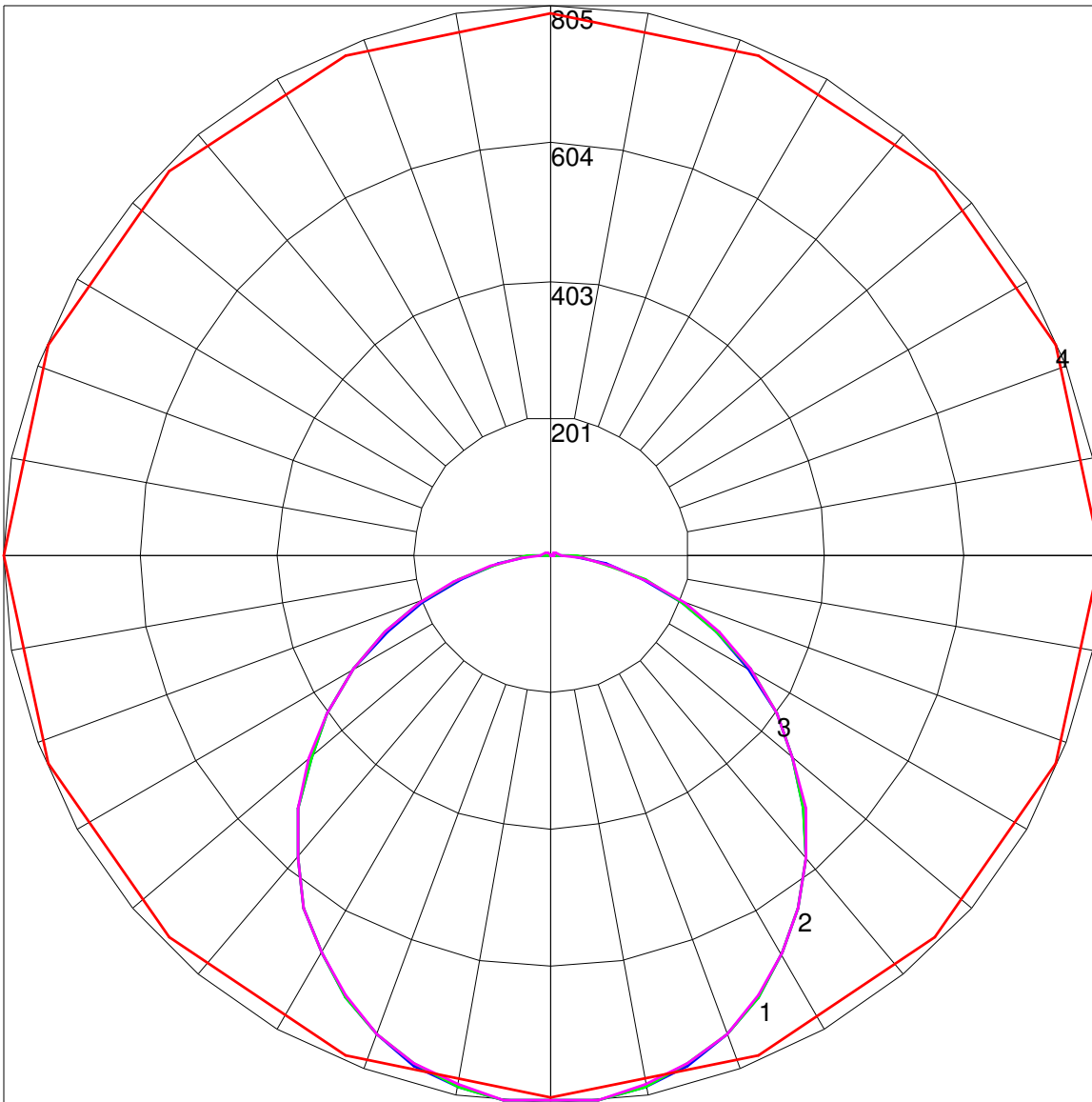
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	18.0	19.6	18.4	20.0	20.4	19.7	21.3	20.1	21.7	22.1
	3H	19.5	20.9	19.9	21.3	21.8	22.0	23.5	22.4	23.9	24.3
	4H	19.9	21.3	20.4	21.7	22.2	23.1	24.5	23.6	24.9	25.4
	6H	20.2	21.5	20.7	21.9	22.4	24.3	25.6	24.8	26.0	26.5
	8H	20.3	21.5	20.8	22.0	22.5	24.9	26.1	25.4	26.6	27.1
	12H	20.3	21.5	20.8	21.9	22.5	25.6	26.7	26.0	27.2	27.7
4H	2H	18.8	20.1	19.2	20.6	21.0	20.1	21.5	20.6	21.9	22.4
	3H	20.5	21.6	20.9	22.1	22.6	22.6	23.8	23.1	24.3	24.8
	4H	21.0	22.1	21.5	22.6	23.1	23.9	25.0	24.4	25.5	26.0
	6H	21.4	22.4	21.9	22.9	23.4	25.3	26.2	25.8	26.7	27.3
	8H	21.5	22.4	22.0	22.9	23.5	26.0	26.8	26.5	27.3	27.9
	12H	21.6	22.4	22.1	22.9	23.5	26.7	27.5	27.3	28.1	28.6
8H	4H	21.6	22.5	22.1	23.0	23.5	24.1	25.0	24.6	25.5	26.1
	6H	22.1	22.9	22.7	23.4	24.0	25.6	26.3	26.1	26.9	27.5
	8H	22.3	23.0	22.8	23.5	24.1	26.4	27.1	27.0	27.7	28.2
	12H	22.4	23.0	23.0	23.5	24.2	27.4	28.0	27.9	28.5	29.2
12H	4H	21.7	22.5	22.3	23.1	23.6	24.1	24.9	24.7	25.5	26.0
	6H	22.3	23.0	22.9	23.6	24.2	25.6	26.3	26.2	26.8	27.5
	8H	22.6	23.2	23.2	23.7	24.4	26.5	27.1	27.1	27.7	28.3

Maximum UGR = 29.2

POLAR GRAPH



Maximum Candela = 805.136 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.)