



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SL-6-L3-927-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-L3-927-RD-DIM-UNV  
[LAMPCAT] 22 INCH LED ARRAY

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1472
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
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	6091	4901	4652
55	5759	4388	4196
65	5140	3775	3734
75	4329	3112	3323
85	2406	2587	2993

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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>	463.617	463.617	463.617	463.617	463.617
<b>5</b>	465.135	462.858	459.823	459.064	459.823
<b>10</b>	458.306	456.029	452.994	452.994	454.512
<b>15</b>	448.441	446.165	443.130	443.889	443.889
<b>20</b>	433.266	430.989	427.195	430.231	430.989
<b>25</b>	414.296	412.020	411.261	413.537	415.055
<b>30</b>	390.774	390.774	390.774	393.809	393.050
<b>35</b>	365.734	365.734	365.734	368.769	371.045
<b>40</b>	335.383	336.141	336.900	342.212	345.247
<b>45</b>	302.755	305.031	307.308	313.378	315.654
<b>50</b>	267.092	269.368	274.680	283.785	288.338
<b>55</b>	232.947	233.706	243.570	251.158	257.987
<b>60</b>	193.490	197.284	210.942	225.359	229.912
<b>65</b>	154.033	160.103	176.038	191.972	198.801
<b>70</b>	117.612	123.682	143.410	163.139	169.209
<b>75</b>	80.431	91.054	113.059	135.064	144.169
<b>80</b>	47.045	58.426	88.019	110.024	119.888
<b>85</b>	15.934	37.180	64.497	86.501	96.366
<b>90</b>	0.000	20.487	47.803	67.532	75.120
<b>95</b>	0.000	10.623	32.628	52.356	59.185
<b>100</b>	0.000	5.311	22.764	38.698	45.527
<b>105</b>	0.000	3.035	15.934	28.075	34.145
<b>110</b>	0.000	2.276	10.623	20.487	24.281
<b>115</b>	0.000	1.518	6.829	14.417	18.211
<b>120</b>	0.000	0.000	3.794	9.105	11.382
<b>125</b>	0.000	0.000	3.035	6.070	7.588
<b>130</b>	0.000	0.000	0.000	3.794	4.553
<b>135</b>	0.000	0.000	0.000	0.000	3.035
<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	169.27	N.A.	11.50
0-30	359.53	N.A.	24.40
0-40	589.09	N.A.	40.00
0-60	1045.39	N.A.	71.00
0-80	1340.42	N.A.	91.00
0-90	1408.7	N.A.	95.70
10-90	1364.89	N.A.	92.70
20-40	419.81	N.A.	28.50
20-50	657.96	N.A.	44.70
40-70	631.41	N.A.	42.90
60-80	295.03	N.A.	20.00
70-80	119.93	N.A.	8.10
80-90	68.28	N.A.	4.60
90-110	52.47	N.A.	3.60
90-120	60.43	N.A.	4.10
90-130	63.29	N.A.	4.30
90-150	63.74	N.A.	4.30
90-180	63.74	N.A.	4.30
110-180	11.27	N.A.	0.80
0-180	1472.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	43.81
10-20	125.46
20-30	190.25
30-40	229.56
40-50	238.14
50-60	218.16
60-70	175.10
70-80	119.93
80-90	68.28
90-100	35.03
100-110	17.44
110-120	7.97
120-130	2.85
130-140	0.45
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	56	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**

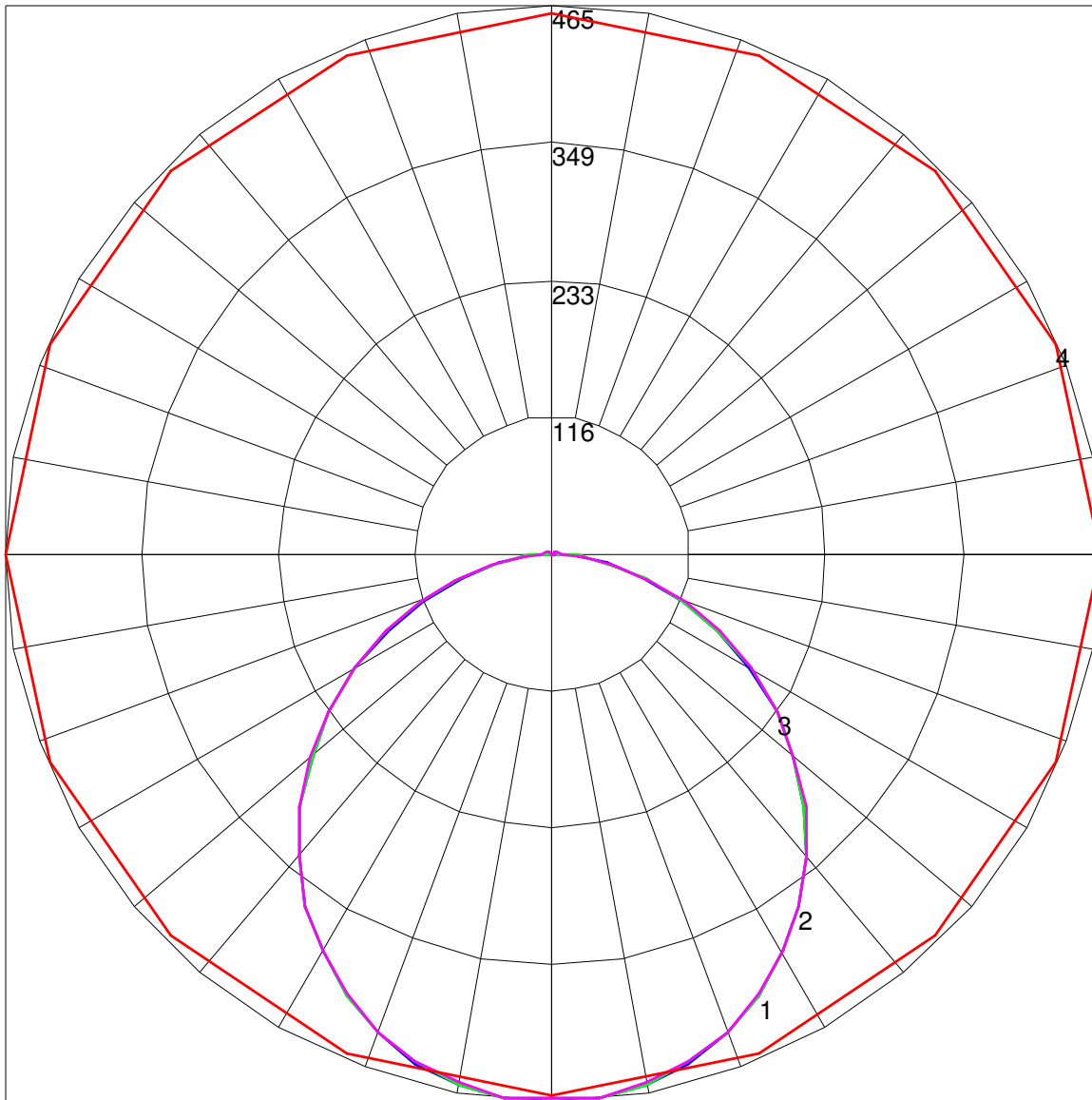
Reflectances

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	16.0	17.6	16.4	18.0	18.4	17.7	19.3	18.1	19.7	20.1
	3H	17.5	18.9	17.9	19.3	19.8	20.0	21.5	20.4	21.9	22.3
	4H	17.9	19.3	18.4	19.7	20.2	21.1	22.5	21.6	22.9	23.4
	6H	18.2	19.5	18.7	19.9	20.4	22.3	23.6	22.8	24.0	24.5
	8H	18.3	19.5	18.8	20.0	20.5	22.9	24.1	23.4	24.6	25.1
	12H	18.3	19.5	18.8	19.9	20.5	23.6	24.7	24.0	25.2	25.7
4H	2H	16.8	18.1	17.2	18.6	19.0	18.1	19.5	18.6	19.9	20.4
	3H	18.5	19.6	18.9	20.1	20.6	20.7	21.8	21.1	22.3	22.8
	4H	19.0	20.1	19.5	20.6	21.1	21.9	23.0	22.4	23.5	24.0
	6H	19.4	20.4	20.0	20.9	21.4	23.3	24.2	23.8	24.7	25.3
	8H	19.5	20.4	20.1	20.9	21.5	24.0	24.8	24.5	25.4	25.9
	12H	19.6	20.4	20.1	20.9	21.5	24.7	25.5	25.3	26.1	26.6
8H	4H	19.6	20.5	20.1	21.0	21.5	22.1	23.0	22.6	23.5	24.1
	6H	20.1	20.9	20.7	21.4	22.0	23.6	24.3	24.1	24.9	25.5
	8H	20.3	21.0	20.8	21.5	22.1	24.4	25.1	25.0	25.7	26.2
	12H	20.4	21.0	21.0	21.5	22.2	25.4	26.0	25.9	26.5	27.2
12H	4H	19.7	20.5	20.3	21.1	21.6	22.1	22.9	22.7	23.5	24.0
	6H	20.3	21.0	20.9	21.6	22.2	23.6	24.3	24.2	24.8	25.5
	8H	20.6	21.2	21.2	21.7	22.4	24.5	25.1	25.1	25.7	26.3

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 465.135 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.)