



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L5-927-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-L5-927-RD-DIM-UNV
[LAMPCAT] 22 INCH LED ARRAY

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2487
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
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	10287	8277	7856
55	9725	7410	7086
65	8680	6375	6306
75	7311	5255	5612
85	4063	4368	5054

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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	782.936	782.936	782.936	782.936	782.936
5	785.499	781.655	776.529	775.248	776.529
10	773.966	770.122	764.996	764.996	767.559
15	757.308	753.464	748.338	749.620	749.620
20	731.680	727.836	721.429	726.554	727.836
25	699.645	695.801	694.519	698.364	700.926
30	659.922	659.922	659.922	665.047	663.766
35	617.635	617.635	617.635	622.761	626.605
40	566.379	567.661	568.942	577.912	583.037
45	511.279	515.123	518.967	529.219	533.063
50	451.053	454.897	463.867	479.244	486.932
55	393.390	394.672	411.330	424.144	435.676
60	326.757	333.164	356.229	380.576	388.265
65	260.124	270.376	297.285	324.194	335.727
70	198.617	208.868	242.185	275.501	285.752
75	135.829	153.768	190.929	228.089	243.466
80	79.447	98.668	148.643	185.803	202.461
85	26.909	62.789	108.919	146.080	162.738
90	0.000	34.598	80.728	114.045	126.859
95	0.000	17.940	55.100	88.417	99.949
100	0.000	8.970	38.442	65.351	76.884
105	0.000	5.126	26.909	47.412	57.663
110	0.000	3.844	17.940	34.598	41.005
115	0.000	2.563	11.533	24.347	30.754
120	0.000	0.000	6.407	15.377	19.221
125	0.000	0.000	5.126	10.251	12.814
130	0.000	0.000	0.000	6.407	7.688
135	0.000	0.000	0.000	0.000	5.126
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	285.86	N.A.	11.50
0-30	607.15	N.A.	24.40
0-40	994.83	N.A.	40.00
0-60	1765.41	N.A.	71.00
0-80	2263.64	N.A.	91.00
0-90	2378.96	N.A.	95.70
10-90	2304.97	N.A.	92.70
20-40	708.96	N.A.	28.50
20-50	1111.13	N.A.	44.70
40-70	1066.29	N.A.	42.90
60-80	498.23	N.A.	20.00
70-80	202.53	N.A.	8.10
80-90	115.31	N.A.	4.60
90-110	88.61	N.A.	3.60
90-120	102.06	N.A.	4.10
90-130	106.87	N.A.	4.30
90-150	107.64	N.A.	4.30
90-180	107.64	N.A.	4.30
110-180	19.03	N.A.	0.80
0-180	2486.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	73.98
10-20	211.88
20-30	321.29
30-40	387.68
40-50	402.17
50-60	368.42
60-70	295.70
70-80	202.53
80-90	115.31
90-100	59.15
100-110	29.46
110-120	13.45
120-130	4.81
130-140	0.77
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	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	17.9	19.5	18.3	19.9	20.3	19.6	21.2	20.0	21.6	22.0
	3H	19.4	20.8	19.8	21.2	21.7	21.9	23.4	22.3	23.8	24.2
	4H	19.8	21.2	20.3	21.6	22.1	23.0	24.4	23.5	24.8	25.3
	6H	20.1	21.4	20.6	21.8	22.3	24.2	25.5	24.7	25.9	26.4
	8H	20.2	21.4	20.7	21.9	22.4	24.8	26.0	25.3	26.5	27.0
	12H	20.2	21.4	20.7	21.8	22.4	25.5	26.6	25.9	27.1	27.6

UGR Viewed Endwise

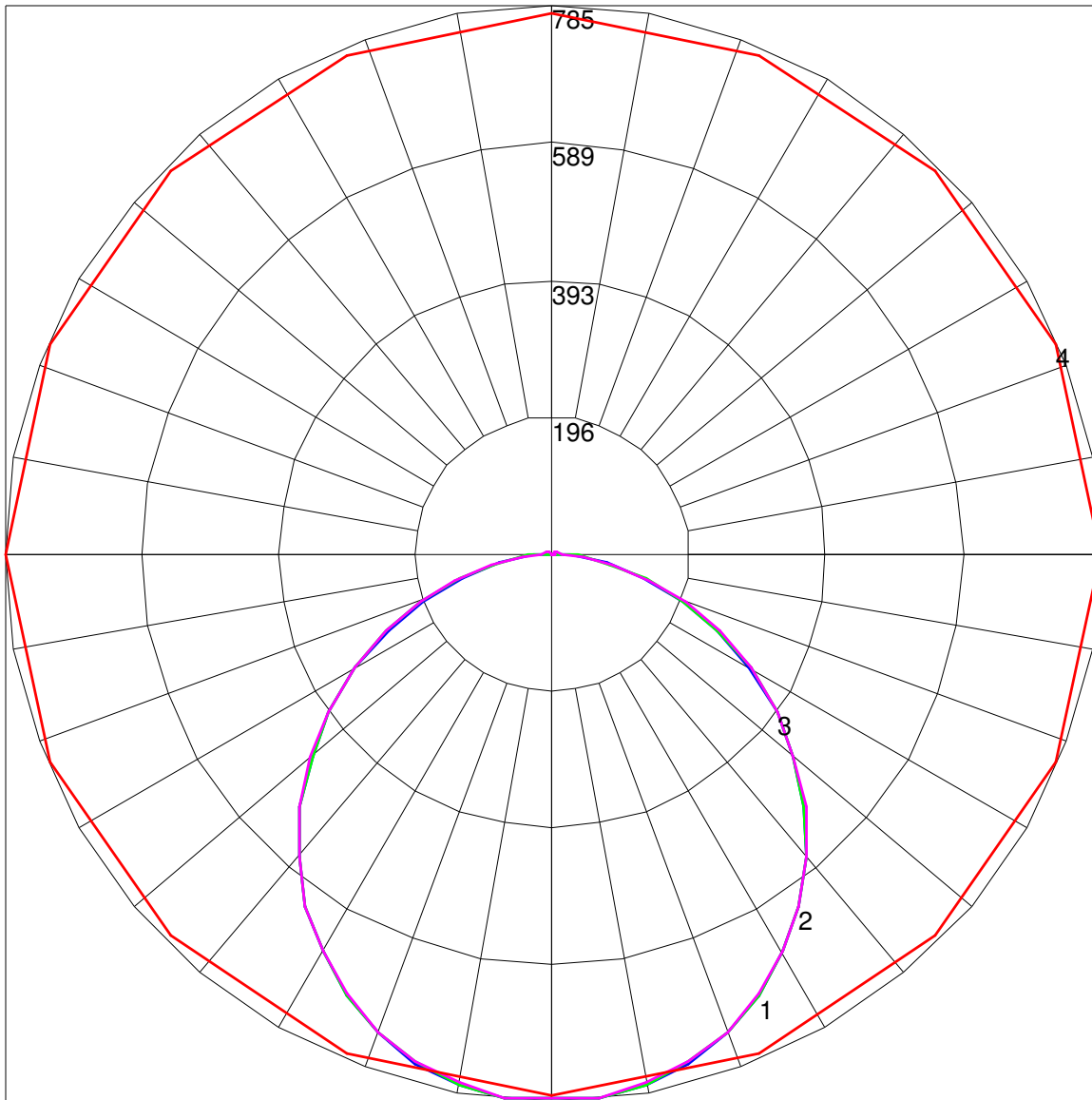
4H	2H	18.7	20.0	19.1	20.5	20.9	20.0	21.4	20.5	21.8	22.3
	3H	20.4	21.5	20.8	22.0	22.5	22.5	23.7	23.0	24.2	24.7
	4H	20.9	22.0	21.4	22.5	23.0	23.8	24.9	24.3	25.4	25.9
	6H	21.3	22.3	21.8	22.8	23.3	25.2	26.1	25.7	26.6	27.2
	8H	21.4	22.3	21.9	22.8	23.4	25.9	26.7	26.4	27.2	27.8
	12H	21.5	22.3	22.0	22.8	23.4	26.6	27.4	27.2	28.0	28.5

8H	4H	21.5	22.4	22.0	22.9	23.4	24.0	24.9	24.5	25.4	26.0
	6H	22.0	22.8	22.6	23.3	23.9	25.5	26.2	26.0	26.8	27.4
	8H	22.2	22.9	22.7	23.4	24.0	26.3	27.0	26.9	27.6	28.1
	12H	22.3	22.9	22.9	23.4	24.1	27.3	27.9	27.8	28.4	29.1

12H	4H	21.6	22.4	22.2	23.0	23.5	24.0	24.8	24.5	25.4	25.9
	6H	22.2	22.9	22.8	23.5	24.1	25.5	26.2	26.1	26.7	27.4
	8H	22.5	23.1	23.0	23.6	24.3	26.4	27.0	27.0	27.6	28.2

Maximum UGR = 29.1

POLAR GRAPH



Maximum Candela = 785.499 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.)