



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L10-827-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-L10-827-RD-DIM-UNV
[LAMPCAT] 22 INCH LED ARRAY

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5873
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	54.6
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	24296	19549	18553
55	22969	17502	16736
65	20500	15058	14893
75	17268	12411	13255
85	9597	10317	11936

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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	1849.155	1849.155	1849.155	1849.155	1849.155
5	1855.208	1846.128	1834.023	1830.996	1834.023
10	1827.970	1818.890	1806.785	1806.785	1812.838
15	1788.626	1779.547	1767.441	1770.467	1770.467
20	1728.097	1719.018	1703.886	1715.991	1719.018
25	1652.436	1643.357	1640.330	1649.410	1655.463
30	1558.617	1558.617	1558.617	1570.722	1567.696
35	1458.744	1458.744	1458.744	1470.850	1479.929
40	1337.686	1340.713	1343.739	1364.924	1377.030
45	1207.550	1216.629	1225.708	1249.920	1258.999
50	1065.307	1074.386	1095.571	1131.889	1150.047
55	929.117	932.143	971.487	1001.752	1028.990
60	771.742	786.874	841.350	898.853	917.011
65	614.367	638.579	702.134	765.689	792.927
70	469.098	493.310	571.997	650.685	674.896
75	320.803	363.173	450.940	538.706	575.024
80	187.639	233.036	351.067	438.834	478.178
85	63.555	148.296	257.247	345.014	384.358
90	0.000	81.714	190.666	269.353	299.618
95	0.000	42.370	130.137	208.824	236.062
100	0.000	21.185	90.793	154.348	181.586
105	0.000	12.106	63.555	111.978	136.190
110	0.000	9.079	42.370	81.714	96.846
115	0.000	6.053	27.238	57.502	72.635
120	0.000	0.000	15.132	36.317	45.397
125	0.000	0.000	12.106	24.212	30.264
130	0.000	0.000	0.000	15.132	18.159
135	0.000	0.000	0.000	0.000	12.106
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	675.16	N.A.	11.50
0-30	1433.98	N.A.	24.40
0-40	2349.6	N.A.	40.00
0-60	4169.59	N.A.	71.00
0-80	5346.32	N.A.	91.00
0-90	5618.67	N.A.	95.70
10-90	5443.93	N.A.	92.70
20-40	1674.44	N.A.	28.50
20-50	2624.29	N.A.	44.70
40-70	2518.39	N.A.	42.90
60-80	1176.73	N.A.	20.00
70-80	478.33	N.A.	8.10
80-90	272.35	N.A.	4.60
90-110	209.27	N.A.	3.60
90-120	241.05	N.A.	4.10
90-130	252.42	N.A.	4.30
90-150	254.23	N.A.	4.30
90-180	254.23	N.A.	4.30
110-180	44.95	N.A.	0.80
0-180	5872.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	174.74
10-20	500.42
20-30	758.82
30-40	915.62
40-50	949.85
50-60	870.14
60-70	698.40
70-80	478.33
80-90	272.35
90-100	139.70
100-110	69.57
110-120	31.77
120-130	11.37
130-140	1.81
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

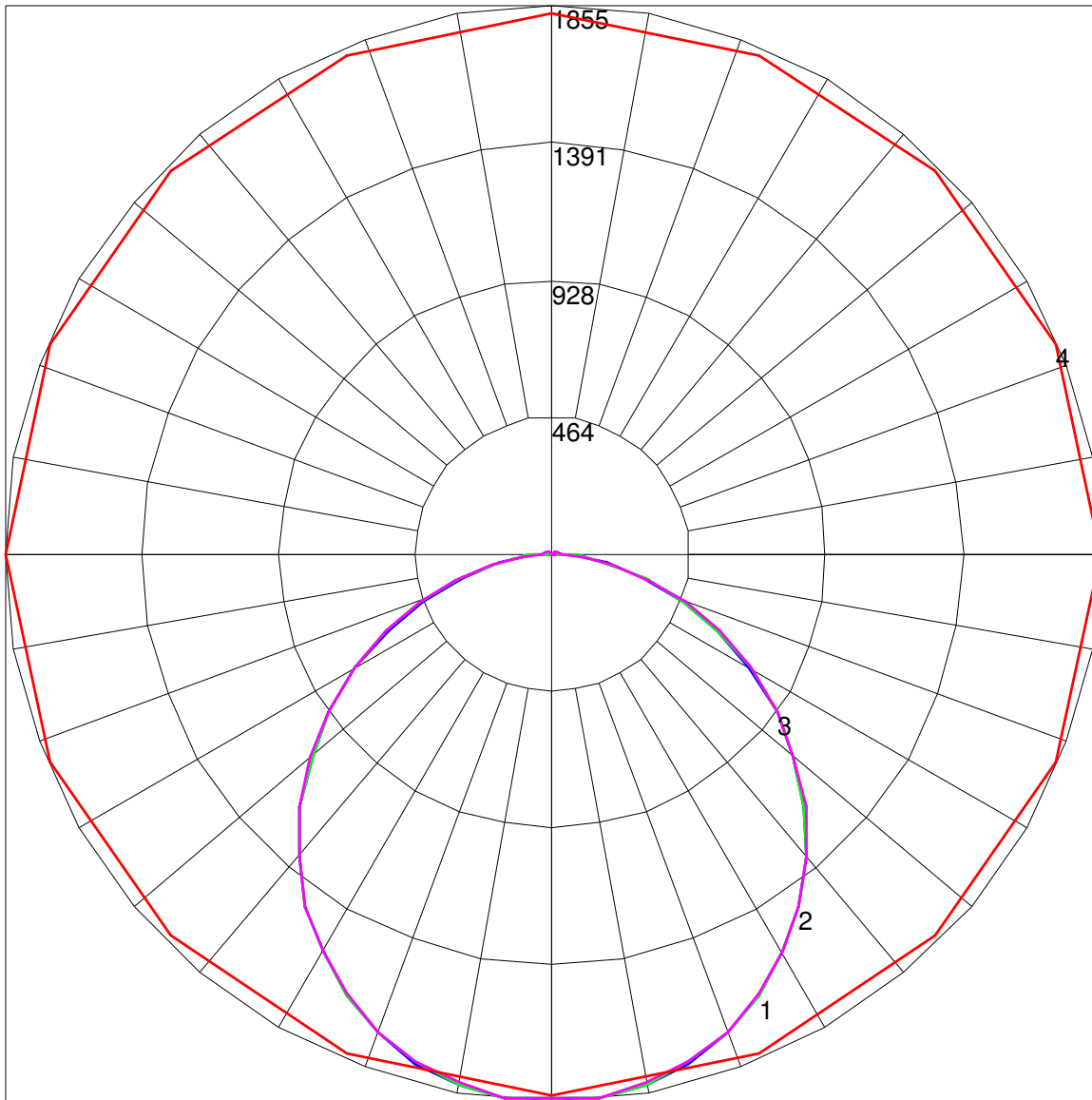
Reflectances

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	20.9	22.5	21.3	22.9	23.3	22.6	24.2	23.0	24.6	25.0
	3H	22.4	23.8	22.8	24.2	24.7	24.9	26.4	25.3	26.8	27.2
	4H	22.8	24.2	23.3	24.6	25.1	26.0	27.4	26.5	27.8	28.3
	6H	23.1	24.4	23.6	24.8	25.3	27.2	28.5	27.7	28.9	29.4
	8H	23.2	24.4	23.7	24.9	25.4	27.8	29.0	28.3	29.5	30.0
	12H	23.2	24.4	23.7	24.8	25.4	28.5	29.6	28.9	30.1	30.6
4H	2H	21.7	23.0	22.1	23.5	23.9	23.0	24.4	23.5	24.8	25.3
	3H	23.4	24.5	23.8	25.0	25.5	25.5	26.7	26.0	27.2	27.7
	4H	23.9	25.0	24.4	25.5	26.0	26.8	27.9	27.3	28.4	28.9
	6H	24.3	25.3	24.8	25.8	26.3	28.2	29.1	28.7	29.6	30.2
	8H	24.4	25.3	24.9	25.8	26.4	28.9	29.7	29.4	30.2	30.8
	12H	24.5	25.3	25.0	25.8	26.4	29.6	30.4	30.2	31.0	31.5
8H	4H	24.5	25.4	25.0	25.9	26.4	27.0	27.9	27.5	28.4	29.0
	6H	25.0	25.8	25.6	26.3	26.9	28.5	29.2	29.0	29.8	30.4
	8H	25.2	25.9	25.7	26.4	27.0	29.3	30.0	29.9	30.6	31.1
	12H	25.3	25.9	25.9	26.4	27.1	30.3	30.9	30.8	31.4	32.1
12H	4H	24.6	25.4	25.2	26.0	26.5	27.0	27.8	27.6	28.4	28.9
	6H	25.2	25.9	25.8	26.5	27.1	28.5	29.2	29.1	29.7	30.4
	8H	25.5	26.1	26.1	26.6	27.3	29.4	30.0	30.0	30.6	31.2

Maximum UGR = 32.1

POLAR GRAPH



Maximum Candela = 1855.208 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.)