



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L5-940-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-L5-940-RD-DIM-UNV
[LAMPCAT] 22 INCH LED ARRAY

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2673
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
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	11058	8898	8445
55	10455	7966	7618
65	9331	6854	6779
75	7859	5649	6033
85	4368	4696	5433

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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	841.656	841.656	841.656	841.656	841.656
5	844.411	840.279	834.769	833.391	834.769
10	832.014	827.881	822.371	822.371	825.126
15	814.106	809.974	804.464	805.841	805.841
20	786.556	782.423	775.536	781.046	782.423
25	752.118	747.986	746.608	750.741	753.496
30	709.416	709.416	709.416	714.926	713.548
35	663.958	663.958	663.958	669.468	673.600
40	608.858	610.235	611.613	621.255	626.765
45	549.625	553.757	557.890	568.910	573.043
50	484.882	489.015	498.657	515.187	523.452
55	422.894	424.272	442.179	455.954	468.352
60	351.264	358.152	382.947	409.119	417.384
65	279.634	290.654	319.581	348.509	360.907
70	213.513	224.533	260.349	296.164	307.184
75	146.016	165.301	205.248	245.196	261.726
80	85.405	106.068	159.791	199.738	217.646
85	28.928	67.498	117.088	157.036	174.943
90	0.000	37.193	86.783	122.598	136.373
95	0.000	19.285	59.233	95.048	107.445
100	0.000	9.643	41.325	70.253	82.650
105	0.000	5.510	28.928	50.968	61.988
110	0.000	4.133	19.285	37.193	44.080
115	0.000	2.755	12.398	26.173	33.060
120	0.000	0.000	6.888	16.530	20.663
125	0.000	0.000	5.510	11.020	13.775
130	0.000	0.000	0.000	6.888	8.265
135	0.000	0.000	0.000	0.000	5.510
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	307.30	N.A.	11.50
0-30	652.69	N.A.	24.40
0-40	1069.44	N.A.	40.00
0-60	1897.82	N.A.	71.00
0-80	2433.42	N.A.	91.00
0-90	2557.38	N.A.	95.70
10-90	2477.84	N.A.	92.70
20-40	762.13	N.A.	28.50
20-50	1194.46	N.A.	44.70
40-70	1146.26	N.A.	42.90
60-80	535.60	N.A.	20.00
70-80	217.72	N.A.	8.10
80-90	123.96	N.A.	4.60
90-110	95.25	N.A.	3.60
90-120	109.71	N.A.	4.10
90-130	114.89	N.A.	4.30
90-150	115.71	N.A.	4.30
90-180	115.71	N.A.	4.30
110-180	20.46	N.A.	0.80
0-180	2673.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.53
10-20	227.77
20-30	345.38
30-40	416.75
40-50	432.33
50-60	396.05
60-70	317.88
70-80	217.72
80-90	123.96
90-100	63.59
100-110	31.67
110-120	14.46
120-130	5.18
130-140	0.82
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	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

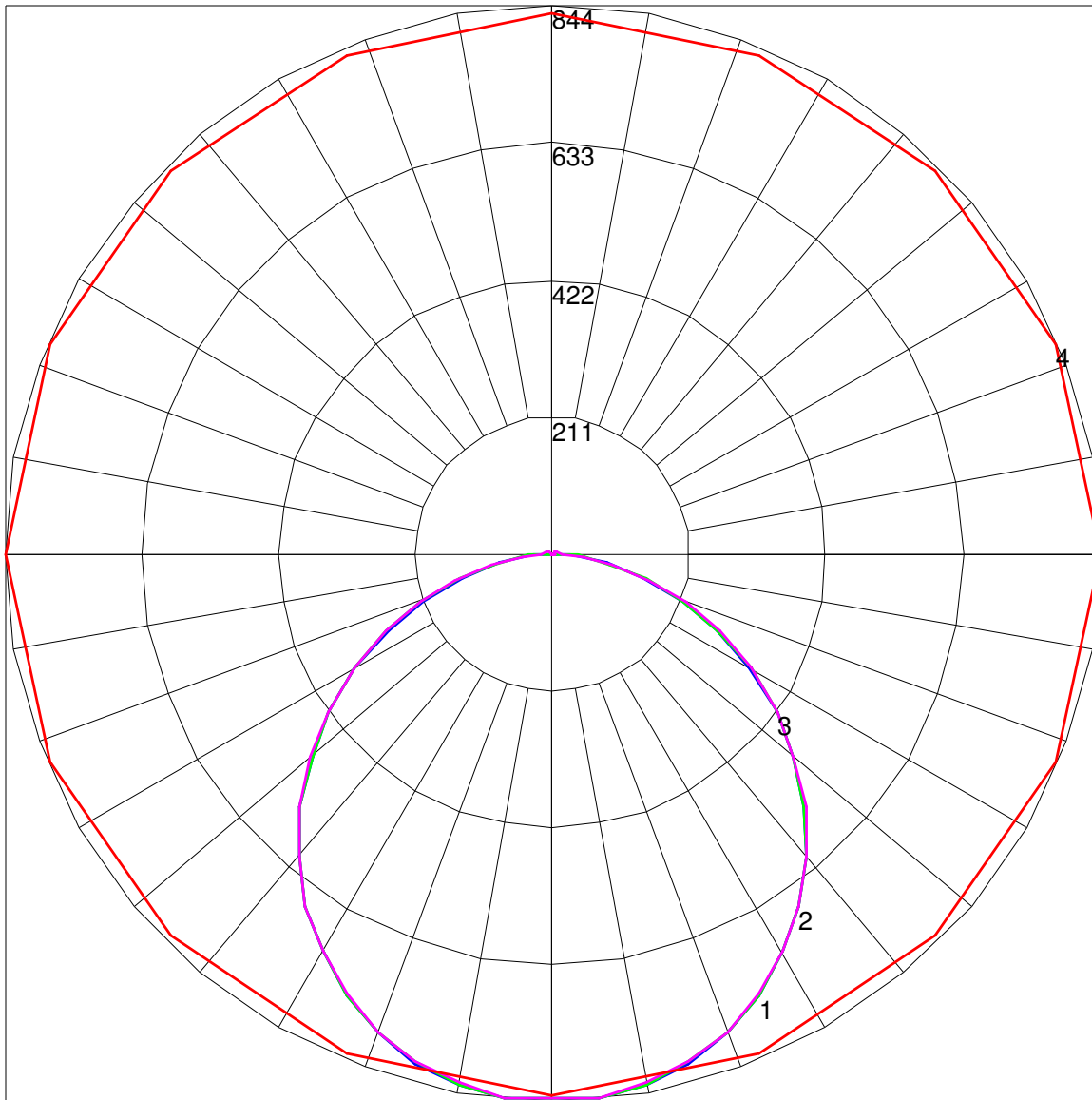
Reflectances

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	18.1	19.7	18.5	20.1	20.5	19.8	21.4	20.2	21.8	22.2
	3H	19.6	21.0	20.0	21.4	21.9	22.1	23.6	22.5	24.0	24.4
	4H	20.0	21.4	20.5	21.8	22.3	23.2	24.6	23.7	25.0	25.5
	6H	20.3	21.6	20.8	22.0	22.5	24.4	25.7	24.9	26.1	26.6
	8H	20.4	21.6	20.9	22.1	22.6	25.0	26.2	25.5	26.7	27.2
	12H	20.4	21.6	20.9	22.0	22.6	25.7	26.8	26.1	27.3	27.8
4H	2H	18.9	20.2	19.3	20.7	21.1	20.2	21.6	20.7	22.0	22.5
	3H	20.6	21.7	21.0	22.2	22.7	22.7	23.9	23.2	24.4	24.9
	4H	21.1	22.2	21.6	22.7	23.2	24.0	25.1	24.5	25.6	26.1
	6H	21.5	22.5	22.1	23.0	23.5	25.4	26.3	25.9	26.8	27.4
	8H	21.6	22.5	22.1	23.0	23.6	26.1	26.9	26.6	27.5	28.0
	12H	21.7	22.5	22.2	23.0	23.6	26.8	27.6	27.4	28.2	28.7
8H	4H	21.7	22.6	22.2	23.1	23.6	24.2	25.1	24.7	25.6	26.2
	6H	22.2	23.0	22.8	23.5	24.1	25.7	26.4	26.2	27.0	27.6
	8H	22.4	23.1	22.9	23.6	24.2	26.5	27.2	27.1	27.8	28.3
	12H	22.5	23.1	23.1	23.6	24.3	27.5	28.1	28.0	28.6	29.3
12H	4H	21.8	22.6	22.4	23.2	23.7	24.2	25.0	24.8	25.6	26.1
	6H	22.4	23.1	23.0	23.7	24.3	25.7	26.4	26.3	26.9	27.6
	8H	22.7	23.3	23.3	23.8	24.5	26.6	27.2	27.2	27.8	28.4

Maximum UGR = 29.3

POLAR GRAPH



Maximum Candela = 844.411 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.)