



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L5-850-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-L5-850-RD-DIM-UNV
[LAMPCAT] 22 INCH LED ARRAY

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3295
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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	13630	10967	10409
55	12886	9819	9389
65	11500	8447	8355
75	9687	6963	7436
85	5384	5788	6696

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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	1037.391	1037.391	1037.391	1037.391	1037.391
5	1040.786	1035.693	1028.901	1027.203	1028.901
10	1025.506	1020.412	1013.621	1013.621	1017.016
15	1003.434	998.340	991.549	993.246	993.246
20	969.476	964.383	955.894	962.685	964.383
25	927.030	921.936	920.239	925.332	928.728
30	874.396	874.396	874.396	881.188	879.490
35	818.367	818.367	818.367	825.159	830.252
40	750.453	752.151	753.849	765.734	772.525
45	677.445	682.539	687.632	701.215	706.309
50	597.646	602.739	614.624	634.999	645.186
55	521.242	522.940	545.012	561.991	577.271
60	432.954	441.443	472.004	504.264	514.451
65	344.665	358.248	393.903	429.558	444.839
70	263.168	276.751	320.895	365.039	378.622
75	179.973	203.743	252.981	302.219	322.593
80	105.267	130.735	196.951	246.189	268.261
85	35.655	83.195	144.318	193.556	215.628
90	0.000	45.842	106.965	151.109	168.088
95	0.000	23.770	73.008	117.152	132.433
100	0.000	11.885	50.936	86.591	101.871
105	0.000	6.791	35.655	62.821	76.404
110	0.000	5.094	23.770	45.842	54.331
115	0.000	3.396	15.281	32.259	40.749
120	0.000	0.000	8.489	20.374	25.468
125	0.000	0.000	6.791	13.583	16.979
130	0.000	0.000	0.000	8.489	10.187
135	0.000	0.000	0.000	0.000	6.791
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	378.77	N.A.	11.50
0-30	804.47	N.A.	24.40
0-40	1318.15	N.A.	40.00
0-60	2339.17	N.A.	71.00
0-80	2999.33	N.A.	91.00
0-90	3152.12	N.A.	95.70
10-90	3054.09	N.A.	92.70
20-40	939.38	N.A.	28.50
20-50	1472.25	N.A.	44.70
40-70	1412.83	N.A.	42.90
60-80	660.16	N.A.	20.00
70-80	268.35	N.A.	8.10
80-90	152.79	N.A.	4.60
90-110	117.40	N.A.	3.60
90-120	135.23	N.A.	4.10
90-130	141.61	N.A.	4.30
90-150	142.62	N.A.	4.30
90-180	142.62	N.A.	4.30
110-180	25.22	N.A.	0.80
0-180	3294.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.03
10-20	280.74
20-30	425.70
30-40	513.67
40-50	532.87
50-60	488.16
60-70	391.81
70-80	268.35
80-90	152.79
90-100	78.37
100-110	39.03
110-120	17.82
120-130	6.38
130-140	1.01
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

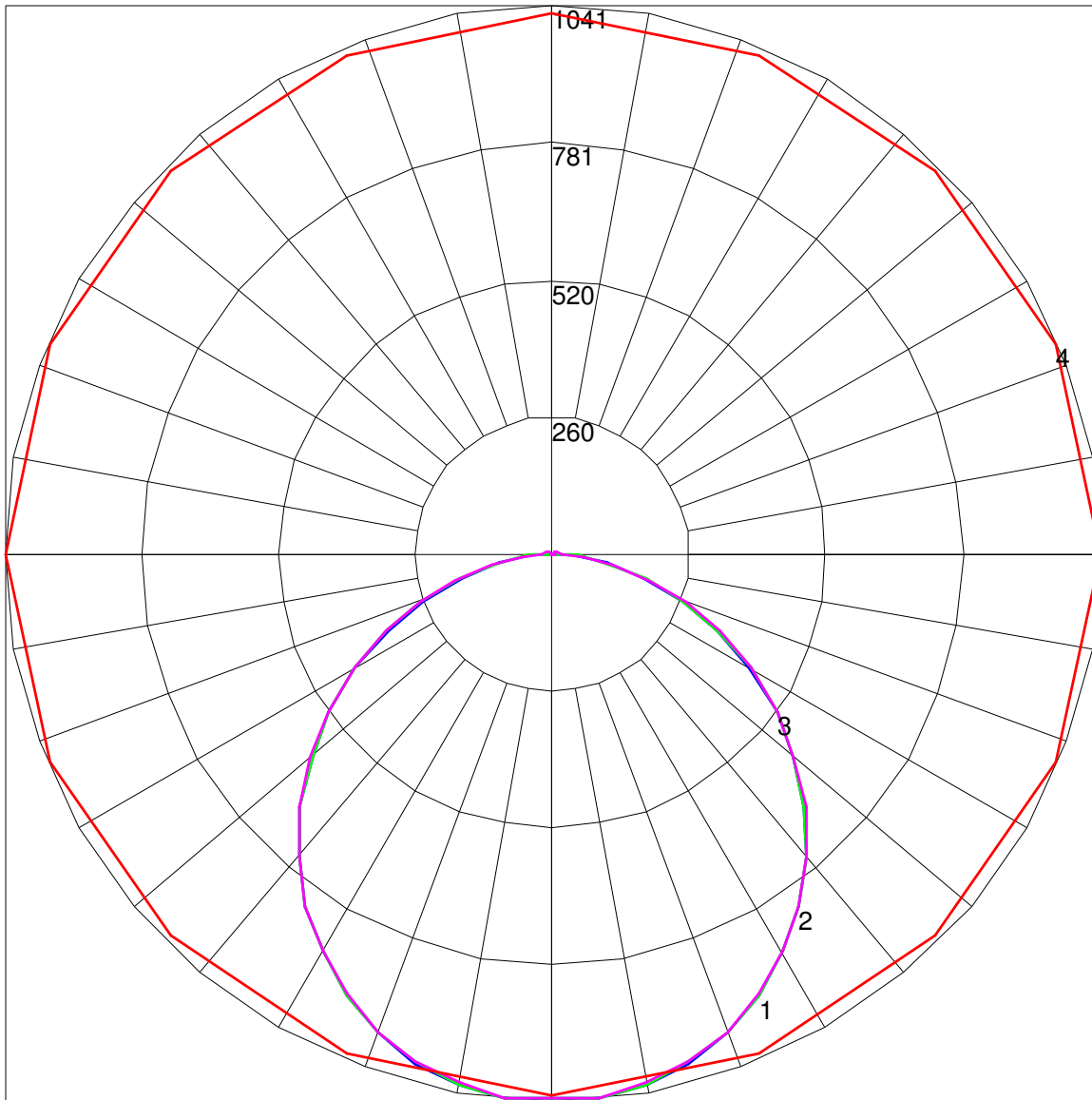
Reflectances

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	18.8	20.4	19.2	20.8	21.2	20.5	22.1	20.9	22.5	22.9
	3H	20.3	21.7	20.7	22.1	22.6	22.8	24.3	23.2	24.7	25.1
	4H	20.7	22.1	21.2	22.5	23.0	23.9	25.3	24.4	25.7	26.2
	6H	21.0	22.3	21.5	22.7	23.2	25.1	26.4	25.6	26.8	27.3
	8H	21.1	22.3	21.6	22.8	23.3	25.7	26.9	26.2	27.4	27.9
	12H	21.1	22.3	21.6	22.7	23.3	26.4	27.5	26.8	28.0	28.5
4H	2H	19.6	20.9	20.0	21.4	21.8	20.9	22.3	21.4	22.7	23.2
	3H	21.3	22.4	21.7	22.9	23.4	23.4	24.6	23.9	25.1	25.6
	4H	21.8	22.9	22.3	23.4	23.9	24.7	25.8	25.2	26.3	26.8
	6H	22.2	23.2	22.7	23.7	24.2	26.1	27.0	26.6	27.5	28.1
	8H	22.3	23.2	22.8	23.7	24.3	26.8	27.6	27.3	28.1	28.7
	12H	22.4	23.2	22.9	23.7	24.3	27.5	28.3	28.1	28.9	29.4
8H	4H	22.4	23.3	22.9	23.8	24.3	24.9	25.8	25.4	26.3	26.9
	6H	22.9	23.7	23.5	24.2	24.8	26.4	27.1	26.9	27.7	28.3
	8H	23.1	23.8	23.6	24.3	24.9	27.2	27.9	27.8	28.5	29.0
	12H	23.2	23.8	23.8	24.3	25.0	28.2	28.8	28.7	29.3	30.0
12H	4H	22.5	23.3	23.1	23.9	24.4	24.9	25.7	25.5	26.3	26.8
	6H	23.1	23.8	23.7	24.4	25.0	26.4	27.1	27.0	27.6	28.3
	8H	23.4	24.0	24.0	24.5	25.2	27.3	27.9	27.9	28.5	29.1

Maximum UGR = 30.0

POLAR GRAPH



Maximum Candela = 1040.786 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.)