



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SL-8-L10-950-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] 96 INCH LED SLIMLINE ARCHITECTURAL LUMINAIRE

[MORE] 1.5x24"ALUM CHANNEL w/1"WIDE WHITE RADIAL ACRYLIC LENS

[MORE] 0-10V REMOTE DRIVER ENCLOSURE

[LUMCAT] SL-8-L10-950-RD-DIM-UNV

[LAMPCAT] 22 INCH LED ARRAY

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7150
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	70.8
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)	8.00 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	22229	17870	16942
55	21032	16004	15282
65	18797	13775	13599
75	15880	11362	12104
85	8947	9457	10899

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-8-L10-950-RD-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2251.363	2251.363	2251.363	2251.363	2251.363
5	2258.733	2247.679	2232.940	2229.255	2232.940
10	2225.570	2214.516	2199.777	2199.777	2207.147
15	2177.669	2166.615	2151.876	2155.561	2155.561
20	2103.975	2092.920	2074.497	2089.236	2092.920
25	2011.857	2000.802	1997.118	2008.172	2015.541
30	1897.630	1897.630	1897.630	1912.369	1908.684
35	1776.035	1776.035	1776.035	1790.773	1801.828
40	1628.646	1632.331	1636.015	1661.808	1676.547
45	1470.203	1481.257	1492.311	1521.789	1532.843
50	1297.021	1308.075	1333.868	1378.085	1400.193
55	1131.209	1134.893	1182.795	1219.642	1252.804
60	939.603	958.027	1024.352	1094.362	1116.470
65	747.998	777.476	854.855	932.234	965.396
70	571.131	600.609	696.412	792.215	821.692
75	390.580	442.166	549.023	655.880	700.097
80	228.453	283.723	427.427	534.284	582.186
85	77.379	180.551	313.201	420.058	467.959
90	0.000	99.487	232.137	327.940	364.787
95	0.000	51.586	158.443	254.246	287.408
100	0.000	25.793	110.542	187.921	221.083
105	0.000	14.739	77.379	136.335	165.812
110	0.000	11.054	51.586	99.487	117.911
115	0.000	7.369	33.162	70.010	88.433
120	0.000	0.000	18.424	44.217	55.271
125	0.000	0.000	14.739	29.478	36.847
130	0.000	0.000	0.000	18.424	22.108
135	0.000	0.000	0.000	0.000	14.739
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-8-L10-950-RD-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	822.01	N.A.	11.50
0-30	1745.88	N.A.	24.40
0-40	2860.66	N.A.	40.00
0-60	5076.51	N.A.	71.00
0-80	6509.2	N.A.	91.00
0-90	6840.78	N.A.	95.70
10-90	6628.04	N.A.	92.70
20-40	2038.65	N.A.	28.50
20-50	3195.1	N.A.	44.70
40-70	3066.16	N.A.	42.90
60-80	1432.68	N.A.	20.00
70-80	582.38	N.A.	8.10
80-90	331.59	N.A.	4.60
90-110	254.79	N.A.	3.60
90-120	293.48	N.A.	4.10
90-130	307.32	N.A.	4.30
90-150	309.52	N.A.	4.30
90-180	309.52	N.A.	4.30
110-180	54.73	N.A.	0.80
0-180	7150.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	212.75
10-20	609.27
20-30	923.87
30-40	1114.78
40-50	1156.45
50-60	1059.4
60-70	850.31
70-80	582.38
80-90	331.59
90-100	170.09
100-110	84.71
110-120	38.68
120-130	13.84
130-140	2.20
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-8-L10-950-RD-DIM-UNV_.IES

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-8-L10-950-RD-DIM-UNV_.IES

UGR TABLE - CORRECTED

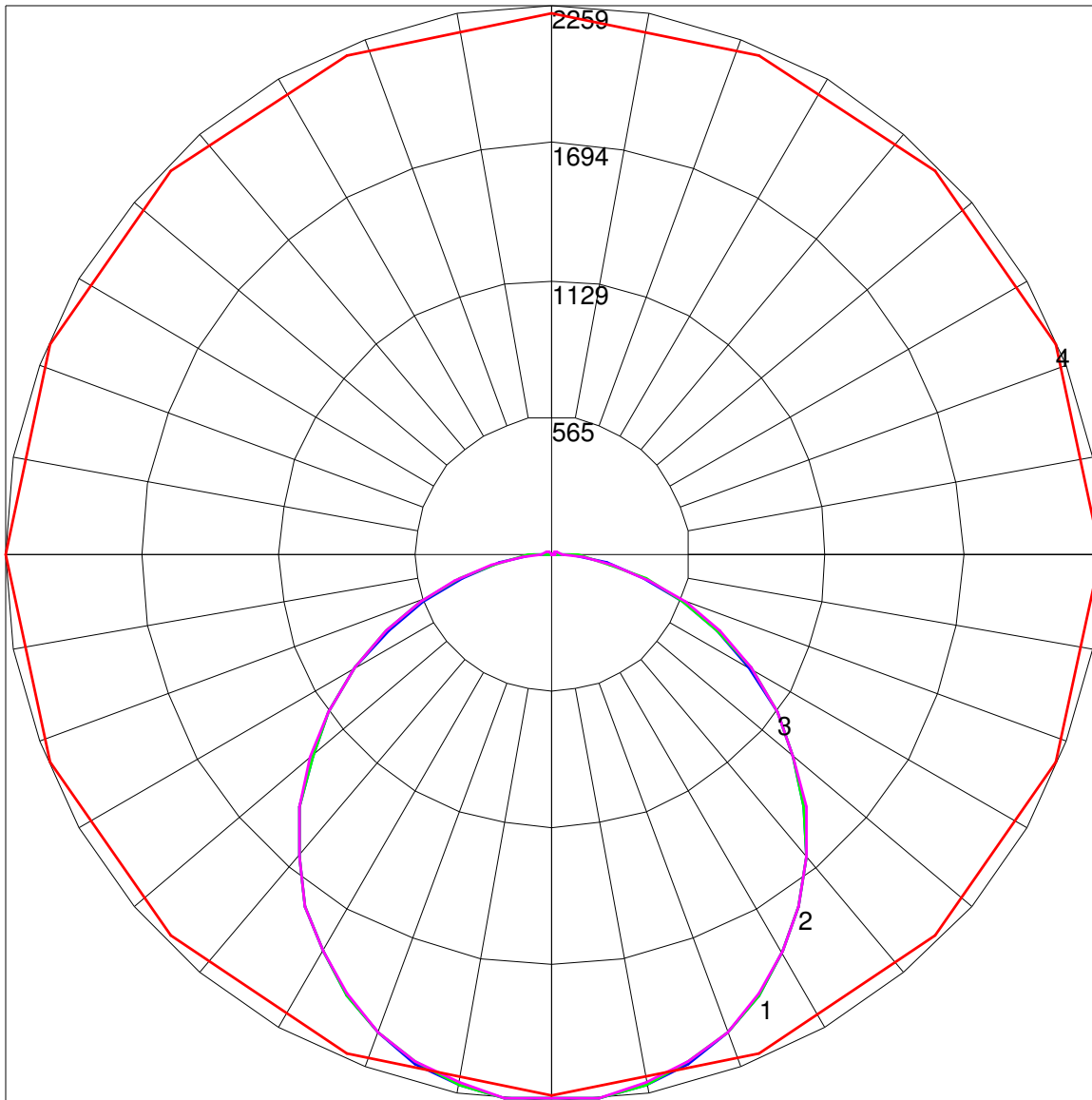
Reflectances

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	20.5	22.1	20.9	22.5	22.9	22.2	23.8	22.6	24.2	24.6
	3H	22.0	23.4	22.4	23.8	24.3	24.5	26.0	25.0	26.4	26.8
	4H	22.4	23.8	22.9	24.2	24.7	25.6	27.0	26.1	27.4	27.9
	6H	22.7	24.0	23.2	24.4	24.9	26.8	28.1	27.3	28.5	29.0
	8H	22.8	24.0	23.3	24.5	25.0	27.4	28.6	27.9	29.1	29.6
	12H	22.8	24.0	23.3	24.4	25.0	28.1	29.3	28.6	29.7	30.2
4H	2H	21.3	22.7	21.7	23.1	23.6	22.6	24.0	23.1	24.4	24.9
	3H	23.0	24.1	23.4	24.6	25.1	25.2	26.3	25.6	26.8	27.3
	4H	23.5	24.6	24.0	25.1	25.6	26.4	27.5	26.9	28.0	28.5
	6H	23.9	24.9	24.5	25.4	25.9	27.8	28.7	28.3	29.2	29.8
	8H	24.0	24.9	24.6	25.4	26.0	28.5	29.4	29.0	29.9	30.4
	12H	24.1	24.9	24.6	25.4	26.0	29.3	30.1	29.8	30.6	31.2
8H	4H	24.1	25.0	24.6	25.5	26.0	26.6	27.5	27.1	28.0	28.6
	6H	24.6	25.4	25.2	25.9	26.5	28.1	28.9	28.6	29.4	30.0
	8H	24.8	25.5	25.3	26.0	26.6	28.9	29.6	29.5	30.2	30.8
	12H	24.9	25.5	25.5	26.1	26.7	29.9	30.5	30.5	31.0	31.7
12H	4H	24.2	25.0	24.8	25.6	26.1	26.6	27.4	27.2	28.0	28.5
	6H	24.9	25.5	25.4	26.1	26.7	28.1	28.8	28.7	29.4	30.0
	8H	25.1	25.7	25.7	26.2	26.9	29.0	29.6	29.6	30.2	30.8

Maximum UGR = 31.7

POLAR GRAPH



Maximum Candela = 2258.733 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.)