



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SL-8-L5-935-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-L5-935-RD-DIM-UNV

[LAMPCAT] 22 INCH LED ARRAY

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3356
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	35.2
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	10432	8387	7951
55	9871	7511	7172
65	8821	6465	6382
75	7453	5332	5680
85	4199	4438	5115

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-8-L5-935-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	1056.586	1056.586	1056.586	1056.586	1056.586
5	1060.045	1054.857	1047.940	1046.211	1047.940
10	1044.482	1039.294	1032.377	1032.377	1035.835
15	1022.001	1016.813	1009.896	1011.625	1011.625
20	987.415	982.228	973.581	980.498	982.228
25	944.184	938.996	937.267	942.454	945.913
30	890.576	890.576	890.576	897.493	895.764
35	833.510	833.510	833.510	840.427	845.615
40	764.339	766.068	767.798	779.903	786.820
45	689.980	695.168	700.356	714.190	719.378
50	608.704	613.892	625.997	646.748	657.124
55	530.887	532.616	555.097	572.390	587.953
60	440.965	449.611	480.738	513.594	523.970
65	351.043	364.877	401.192	437.506	453.070
70	268.037	281.872	326.833	371.794	385.628
75	183.303	207.513	257.662	307.811	328.562
80	107.215	133.154	200.596	250.745	273.225
85	36.315	84.734	146.988	197.137	219.618
90	0.000	46.690	108.944	153.905	171.198
95	0.000	24.210	74.359	119.320	134.883
100	0.000	12.105	51.878	88.193	103.756
105	0.000	6.917	36.315	63.983	77.817
110	0.000	5.188	24.210	46.690	55.337
115	0.000	3.459	15.563	32.856	41.503
120	0.000	0.000	8.646	20.751	25.939
125	0.000	0.000	6.917	13.834	17.293
130	0.000	0.000	0.000	8.646	10.376
135	0.000	0.000	0.000	0.000	6.917
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-L5-935-RD-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	385.78	N.A.	11.50
0-30	819.36	N.A.	24.40
0-40	1342.54	N.A.	40.00
0-60	2382.46	N.A.	71.00
0-80	3054.83	N.A.	91.00
0-90	3210.44	N.A.	95.70
10-90	3110.6	N.A.	92.70
20-40	956.76	N.A.	28.50
20-50	1499.49	N.A.	44.70
40-70	1438.98	N.A.	42.90
60-80	672.37	N.A.	20.00
70-80	273.32	N.A.	8.10
80-90	155.62	N.A.	4.60
90-110	119.58	N.A.	3.60
90-120	137.73	N.A.	4.10
90-130	144.23	N.A.	4.30
90-150	145.26	N.A.	4.30
90-180	145.26	N.A.	4.30
110-180	25.69	N.A.	0.80
0-180	3355.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.84
10-20	285.93
20-30	433.58
30-40	523.18
40-50	542.73
50-60	497.19
60-70	399.06
70-80	273.32
80-90	155.62
90-100	79.82
100-110	39.75
110-120	18.15
120-130	6.50
130-140	1.03
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-8-L5-935-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	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-8-L5-935-RD-DIM-UNV_.IES

UGR TABLE - CORRECTED

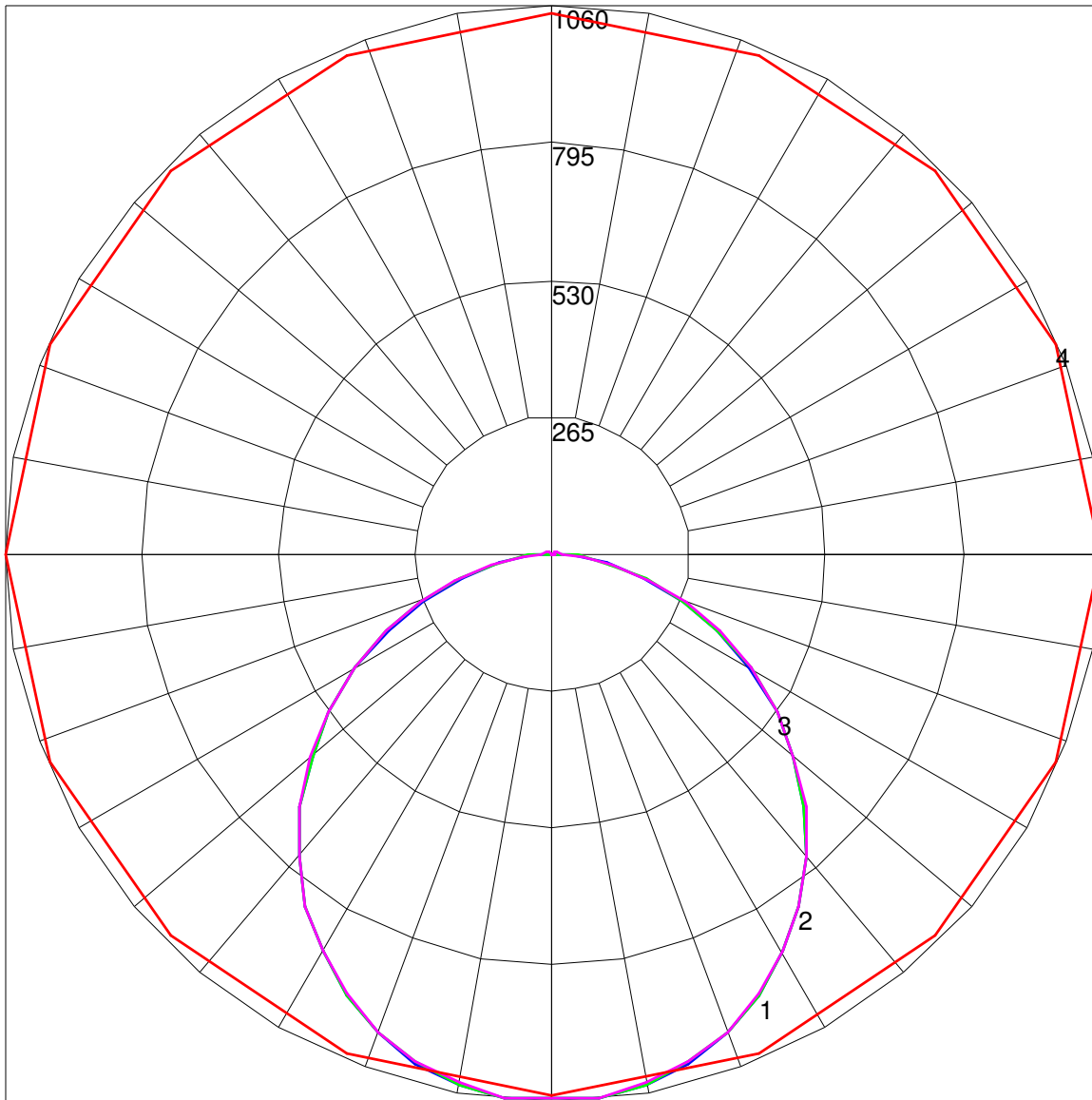
Reflectances

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	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	22.4	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	26.7	26.0	27.1	27.6
4H	2H	18.7	20.1	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	22.6	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	21.9	22.8	23.3	25.2	26.1	25.7	26.6	27.2
	8H	21.4	22.3	22.0	22.8	23.4	25.9	26.8	26.4	27.3	27.8
	12H	21.5	22.3	22.0	22.8	23.4	26.7	27.5	27.2	28.0	28.6
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	26.3	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	28.2
	12H	22.3	22.9	22.9	23.5	24.1	27.3	27.9	27.9	28.4	29.1
12H	4H	21.6	22.4	22.2	23.0	23.5	24.0	24.8	24.6	25.4	25.9
	6H	22.3	22.9	22.8	23.5	24.1	25.5	26.2	26.1	26.8	27.4
	8H	22.5	23.1	23.1	23.6	24.3	26.4	27.0	27.0	27.6	28.2

Maximum UGR = 29.1

POLAR GRAPH



Maximum Candela = 1060.045 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.)