



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L5-950-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] 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-L5-950-RD-DIM-UNV
[LAMPCAT] 22 INCH LED ARRAY

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2766
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
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	11444	9208	8739
55	10819	8244	7883
65	9656	7093	7015
75	8134	5846	6244
85	4520	4859	5622

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L5-950-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	871.017	871.017	871.017	871.017	871.017
5	873.868	869.591	863.889	862.463	863.889
10	861.038	856.761	851.059	851.059	853.910
15	842.505	838.229	832.526	833.952	833.952
20	813.994	809.718	802.590	808.292	809.718
25	778.355	774.079	772.653	776.930	779.781
30	734.163	734.163	734.163	739.865	738.440
35	687.119	687.119	687.119	692.822	697.098
40	630.097	631.523	632.948	642.927	648.629
45	568.798	573.075	577.351	588.756	593.033
50	501.797	506.073	516.052	533.159	541.712
55	437.647	439.072	457.604	471.860	484.690
60	363.518	370.645	396.305	423.391	431.944
65	289.388	300.793	330.730	360.666	373.496
70	220.962	232.366	269.431	306.495	317.900
75	151.109	171.067	212.408	253.750	270.856
80	88.385	109.768	165.365	206.706	225.238
85	29.937	69.852	121.173	162.514	181.046
90	0.000	38.490	89.810	126.875	141.130
95	0.000	19.958	61.299	98.364	111.194
100	0.000	9.979	42.767	72.704	85.534
105	0.000	5.702	29.937	52.746	64.150
110	0.000	4.277	19.958	38.490	45.618
115	0.000	2.851	12.830	27.086	34.213
120	0.000	0.000	7.128	17.107	21.383
125	0.000	0.000	5.702	11.404	14.256
130	0.000	0.000	0.000	7.128	8.553
135	0.000	0.000	0.000	0.000	5.702
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-6-L5-950-RD-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	318.02	N.A.	11.50
0-30	675.45	N.A.	24.40
0-40	1106.74	N.A.	40.00
0-60	1964.02	N.A.	71.00
0-80	2518.3	N.A.	91.00
0-90	2646.59	N.A.	95.70
10-90	2564.28	N.A.	92.70
20-40	788.72	N.A.	28.50
20-50	1236.13	N.A.	44.70
40-70	1186.25	N.A.	42.90
60-80	554.28	N.A.	20.00
70-80	225.31	N.A.	8.10
80-90	128.29	N.A.	4.60
90-110	98.58	N.A.	3.60
90-120	113.54	N.A.	4.10
90-130	118.90	N.A.	4.30
90-150	119.75	N.A.	4.30
90-180	119.75	N.A.	4.30
110-180	21.17	N.A.	0.80
0-180	2766.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.31
10-20	235.72
20-30	357.43
30-40	431.29
40-50	447.41
50-60	409.87
60-70	328.97
70-80	225.31
80-90	128.29
90-100	65.80
100-110	32.77
110-120	14.97
120-130	5.36
130-140	0.85
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L5-950-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-6-L5-950-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

X=2H	Y=2H	18.2	19.8	18.6	20.2	20.6	19.9	21.5	20.3	21.9	22.3
	3H	19.7	21.1	20.1	21.5	22.0	22.2	23.7	22.6	24.1	24.5
	4H	20.1	21.5	20.6	21.9	22.4	23.3	24.7	23.8	25.1	25.6
	6H	20.4	21.7	20.9	22.1	22.6	24.5	25.8	25.0	26.2	26.7
	8H	20.5	21.7	21.0	22.2	22.7	25.1	26.3	25.6	26.8	27.3
	12H	20.5	21.7	21.0	22.1	22.7	25.8	26.9	26.2	27.4	27.9

UGR Viewed Endwise

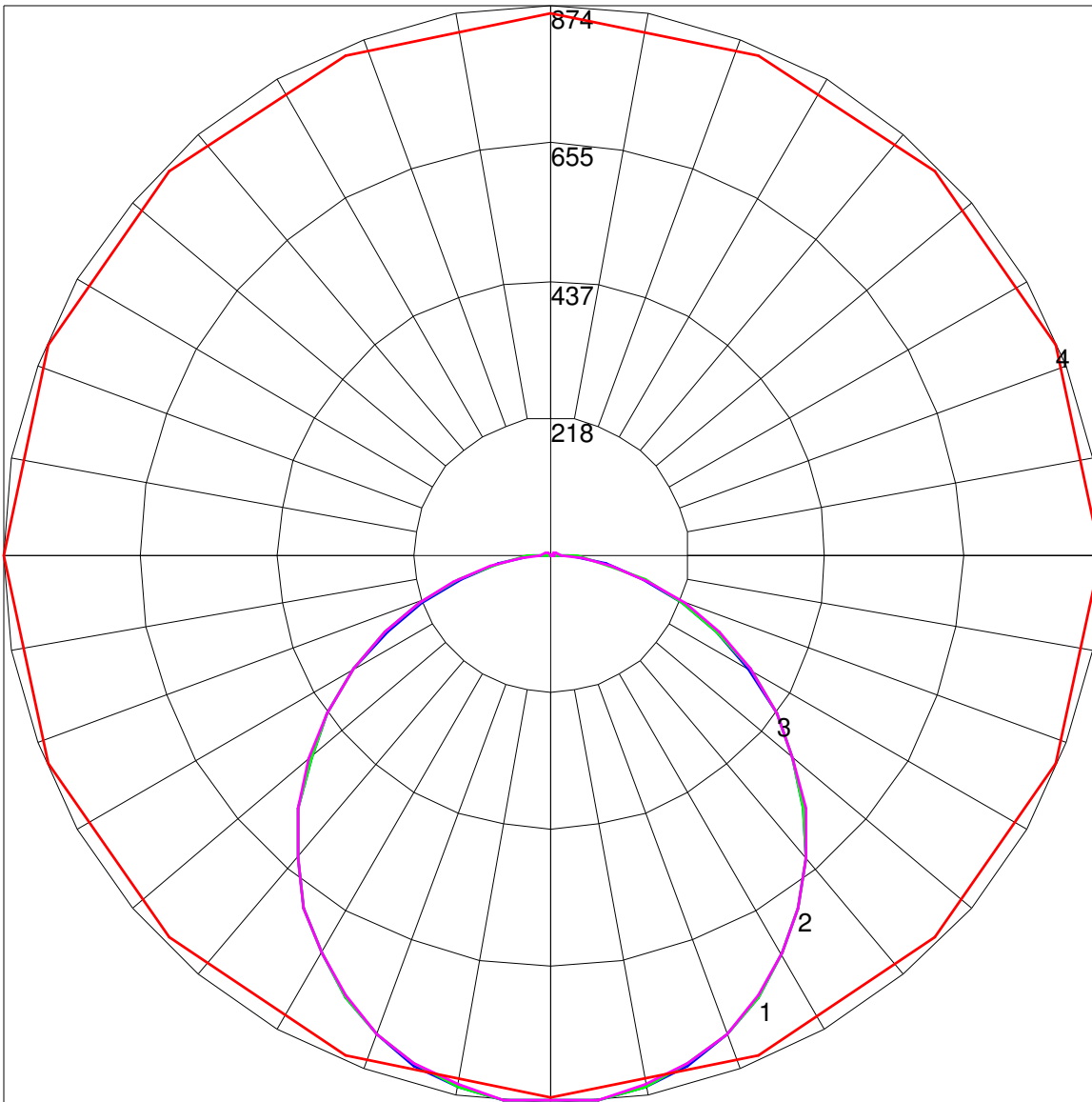
4H	2H	19.0	20.3	19.4	20.8	21.2	20.3	21.7	20.8	22.1	22.6
	3H	20.7	21.8	21.1	22.3	22.8	22.8	24.0	23.3	24.5	25.0
	4H	21.2	22.3	21.7	22.8	23.3	24.1	25.2	24.6	25.7	26.2
	6H	21.6	22.6	22.2	23.1	23.6	25.5	26.4	26.0	26.9	27.5
	8H	21.7	22.6	22.2	23.1	23.7	26.2	27.0	26.7	27.6	28.1
	12H	21.8	22.6	22.3	23.1	23.7	26.9	27.7	27.5	28.3	28.8

8H	4H	21.8	22.7	22.3	23.2	23.7	24.3	25.2	24.8	25.7	26.3
	6H	22.3	23.1	22.9	23.6	24.2	25.8	26.5	26.3	27.1	27.7
	8H	22.5	23.2	23.0	23.7	24.3	26.6	27.3	27.2	27.9	28.4
	12H	22.6	23.2	23.2	23.7	24.4	27.6	28.2	28.1	28.7	29.4

12H	4H	21.9	22.7	22.5	23.3	23.8	24.3	25.1	24.9	25.7	26.2
	6H	22.5	23.2	23.1	23.8	24.4	25.8	26.5	26.4	27.0	27.7
	8H	22.8	23.4	23.4	23.9	24.6	26.7	27.3	27.3	27.9	28.5

Maximum UGR = 29.4

POLAR GRAPH



Maximum Candela = 873.868 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.)