



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L10-835-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-L10-835-RD-DIM-UNV
[LAMPCAT] 22 INCH LED ARRAY

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6055
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	54.6
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	25047	20153	19127
55	23680	18043	17254
65	21134	15523	15354
75	17802	12795	13665
85	9893	10636	12305

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L10-835-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	1906.345	1906.345	1906.345	1906.345	1906.345
5	1912.585	1903.225	1890.745	1887.625	1890.745
10	1884.505	1875.145	1862.664	1862.664	1868.904
15	1843.944	1834.584	1822.104	1825.224	1825.224
20	1781.543	1772.183	1756.583	1769.063	1772.183
25	1703.542	1694.182	1691.062	1700.422	1706.662
30	1606.821	1606.821	1606.821	1619.301	1616.181
35	1503.860	1503.860	1503.860	1516.340	1525.700
40	1379.058	1382.178	1385.298	1407.138	1419.619
45	1244.896	1254.256	1263.617	1288.577	1297.937
50	1098.254	1107.615	1129.455	1166.895	1185.616
55	957.853	960.973	1001.533	1032.734	1060.814
60	795.610	811.211	867.371	926.652	945.372
65	633.368	658.329	723.849	789.370	817.451
70	483.606	508.567	589.688	670.809	695.769
75	330.724	374.405	464.886	555.367	592.808
80	193.443	240.243	361.925	452.406	492.966
85	65.521	152.882	265.203	355.685	396.245
90	0.000	84.241	196.563	277.684	308.884
95	0.000	43.681	134.162	215.283	243.363
100	0.000	21.840	93.601	159.122	187.202
105	0.000	12.480	65.521	115.442	140.402
110	0.000	9.360	43.681	84.241	99.841
115	0.000	6.240	28.080	59.281	74.881
120	0.000	0.000	15.600	37.440	46.801
125	0.000	0.000	12.480	24.960	31.200
130	0.000	0.000	0.000	15.600	18.720
135	0.000	0.000	0.000	0.000	12.480
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-L10-835-RD-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	696.04	N.A.	11.50
0-30	1478.33	N.A.	24.40
0-40	2422.27	N.A.	40.00
0-60	4298.54	N.A.	71.00
0-80	5511.67	N.A.	91.00
0-90	5792.44	N.A.	95.70
10-90	5612.3	N.A.	92.70
20-40	1726.23	N.A.	28.50
20-50	2705.45	N.A.	44.70
40-70	2596.27	N.A.	42.90
60-80	1213.13	N.A.	20.00
70-80	493.13	N.A.	8.10
80-90	280.77	N.A.	4.60
90-110	215.75	N.A.	3.60
90-120	248.50	N.A.	4.10
90-130	260.22	N.A.	4.30
90-150	262.09	N.A.	4.30
90-180	262.09	N.A.	4.30
110-180	46.34	N.A.	0.80
0-180	6054.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	180.14
10-20	515.90
20-30	782.29
30-40	943.94
40-50	979.22
50-60	897.05
60-70	720.00
70-80	493.13
80-90	280.77
90-100	144.02
100-110	71.72
110-120	32.76
120-130	11.72
130-140	1.86
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SL-6-L10-835-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-6-L10-835-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	21.0	22.6	21.4	23.0	23.4	22.7	24.3	23.1	24.7	25.1
	3H	22.5	23.9	22.9	24.3	24.8	25.0	26.5	25.4	26.9	27.3
	4H	22.9	24.3	23.4	24.7	25.2	26.1	27.5	26.6	27.9	28.4
	6H	23.2	24.5	23.7	24.9	25.4	27.3	28.6	27.8	29.0	29.5
	8H	23.3	24.5	23.8	25.0	25.5	27.9	29.1	28.4	29.6	30.1
	12H	23.3	24.5	23.8	24.9	25.5	28.6	29.7	29.0	30.2	30.7

UGR Viewed Endwise

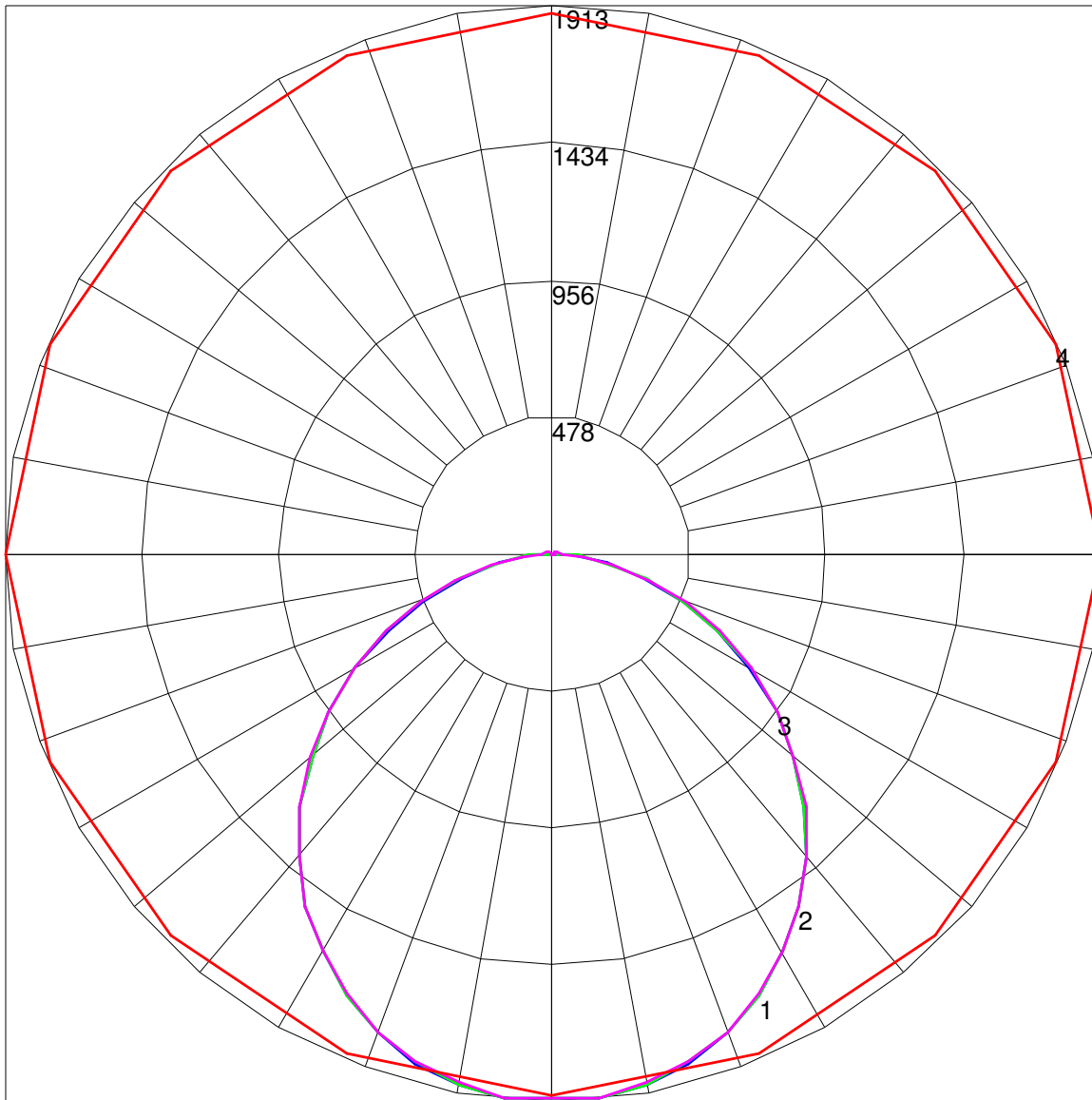
4H	2H	21.8	23.1	22.2	23.6	24.0	23.1	24.5	23.6	24.9	25.4
	3H	23.5	24.6	23.9	25.1	25.6	25.6	26.8	26.1	27.3	27.8
	4H	24.0	25.1	24.5	25.6	26.1	26.9	28.0	27.4	28.5	29.0
	6H	24.4	25.4	25.0	25.9	26.4	28.3	29.2	28.8	29.7	30.3
	8H	24.5	25.4	25.0	25.9	26.5	29.0	29.8	29.5	30.4	30.9
	12H	24.6	25.4	25.1	25.9	26.5	29.7	30.5	30.3	31.1	31.6

8H	4H	24.6	25.5	25.1	26.0	26.5	27.1	28.0	27.6	28.5	29.1
	6H	25.1	25.9	25.7	26.4	27.0	28.6	29.3	29.1	29.9	30.5
	8H	25.3	26.0	25.8	26.5	27.1	29.4	30.1	30.0	30.7	31.2
	12H	25.4	26.0	26.0	26.5	27.2	30.4	31.0	30.9	31.5	32.2

12H	4H	24.7	25.5	25.3	26.1	26.6	27.1	27.9	27.7	28.5	29.0
	6H	25.3	26.0	25.9	26.6	27.2	28.6	29.3	29.2	29.8	30.5
	8H	25.6	26.2	26.2	26.7	27.4	29.5	30.1	30.1	30.7	31.3

Maximum UGR = 32.2

POLAR GRAPH



Maximum Candela = 1912.585 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.)