



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SLF-2-L26-850-HIA-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM BALLABS TEST NO. 17259.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUEDATE] 06-NOV-2019
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 2' LED DIRECT/INDIRECT STAIRWELL LIGHT
 [MORE] WHITE REFLECTOR w/FROSTED POLYCARBONATE LENS
 [LUMCAT] SLF-2-L26-850-HIA-DIM-UNV
 [LAMPCAT] HLM 80 CRI 5000K CCT
 [_SEARCH_SOURCETYPE]LED
 [_SEARCH_APPLICATION]INDOOR,COMMERCIAL,DIRECT,LINEAR
 [_SEARCH_MOUNTING]CEILING,SURFACE,WALL

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2946
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	21.25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.06 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.24 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6752	6104	6617
55	5636	5139	5925
65	4366	4232	5143
75	3105	3500	4378
85	1323	2939	3863

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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	928.522	928.522	928.522	928.522	928.522
5	931.016	925.197	921.041	921.872	916.884
10	914.390	911.897	909.403	914.390	911.897
15	885.296	884.465	887.790	895.271	896.103
20	848.721	852.046	858.696	872.827	877.815
25	792.195	799.676	817.133	836.252	845.396
30	730.681	744.813	774.738	800.507	810.482
35	665.011	679.974	720.706	757.282	771.413
40	588.535	608.485	656.699	705.743	720.706
45	511.227	535.334	588.535	646.723	664.180
50	429.764	463.845	517.046	584.379	603.498
55	361.600	394.850	453.039	527.853	549.466
60	287.617	324.193	388.200	461.352	487.121
65	221.116	256.861	326.687	396.513	423.113
70	163.759	199.503	275.148	340.818	362.431
75	110.558	144.640	223.610	287.617	303.411
80	64.839	104.739	181.216	238.573	254.367
85	25.769	72.320	142.977	199.503	209.479
90	0.000	44.057	111.389	161.265	169.578
95	0.000	30.757	88.945	133.002	140.484
100	0.000	19.950	65.670	106.402	112.221
105	0.000	17.457	56.526	86.451	95.595
110	0.000	10.806	40.732	68.164	75.645
115	0.000	9.975	35.744	57.357	64.839
120	0.000	9.144	28.263	47.382	54.863
125	0.000	6.650	21.613	38.238	44.057
130	0.000	0.000	20.782	34.082	37.407
135	0.000	0.000	14.131	24.938	30.757
140	0.000	0.000	12.469	21.613	24.107
145	0.000	0.000	0.000	16.625	19.950
150	0.000	0.000	0.000	14.131	16.625
155	0.000	0.000	0.000	11.638	11.638
160	0.000	0.000	0.000	9.975	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	6.650	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	338.99	N.A.	11.50
0-30	716.46	N.A.	24.30
0-40	1165.6	N.A.	39.60
0-60	2029.35	N.A.	68.90
0-80	2584.42	N.A.	87.70
0-90	2730.99	N.A.	92.70
10-90	2643.2	N.A.	89.70
20-40	826.61	N.A.	28.10
20-50	1281.61	N.A.	43.50
40-70	1188.47	N.A.	40.30
60-80	555.07	N.A.	18.80
70-80	230.35	N.A.	7.80
80-90	146.57	N.A.	5.00
90-110	142.81	N.A.	4.80
90-120	176.42	N.A.	6.00
90-130	196.83	N.A.	6.70
90-150	212.79	N.A.	7.20
90-180	215.06	N.A.	7.30
110-180	72.24	N.A.	2.50
0-180	2946.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.79
10-20	251.21
20-30	377.46
30-40	449.14
40-50	455.00
50-60	408.75
60-70	324.72
70-80	230.35
80-90	146.57
90-100	88.38
100-110	54.43
110-120	33.60
120-130	20.41
130-140	11.12
140-150	4.84
150-160	1.98
160-170	0.21
170-180	0.08

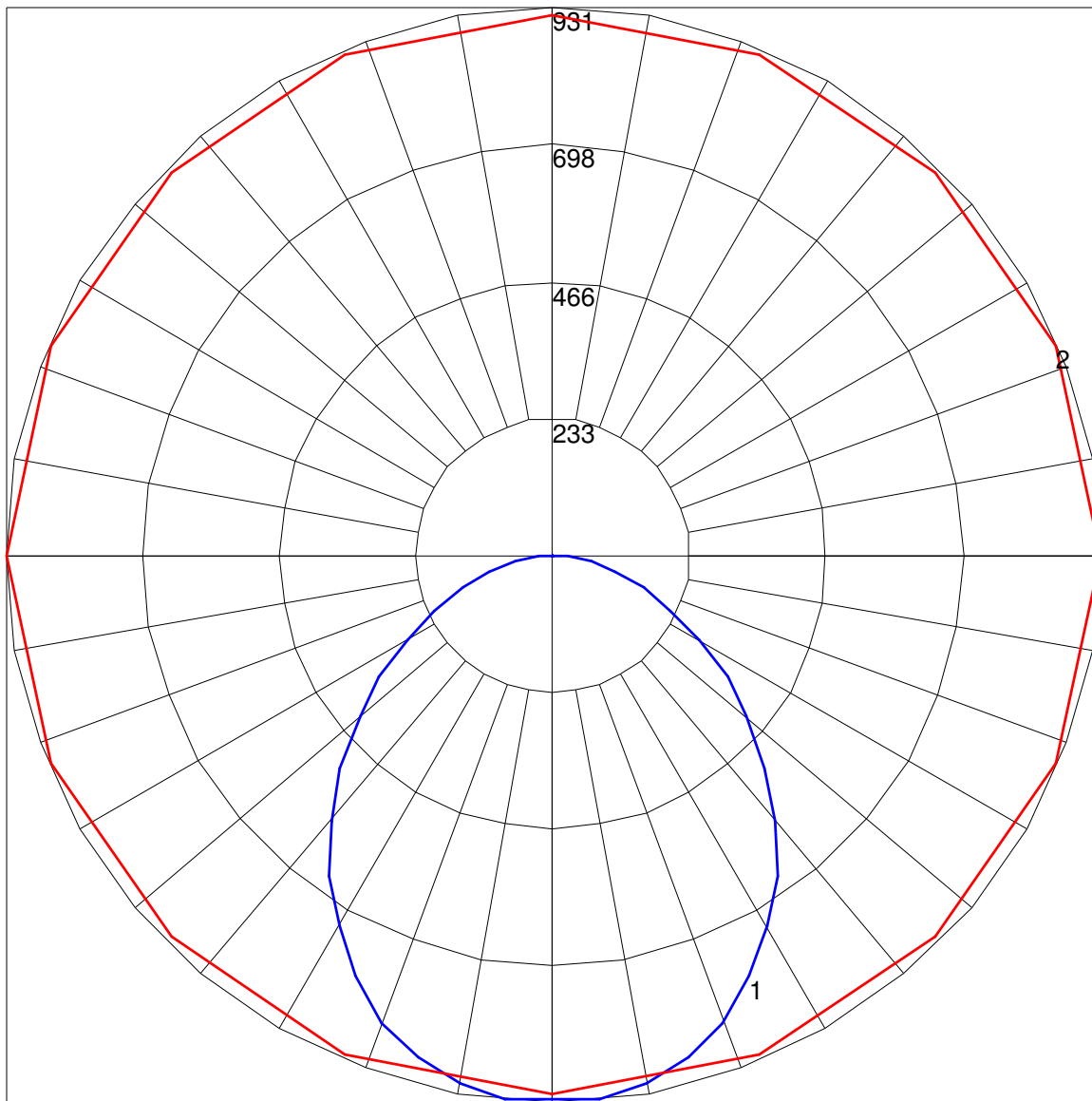
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	106	100	96	91	102	97	93	89	92	88	85	86	84	81	82	79	77	75
2	96	87	80	74	92	84	78	72	80	74	69	75	71	67	71	67	64	61
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	52
4	80	67	58	51	77	66	57	51	62	55	49	59	53	48	56	51	46	44
5	73	60	51	44	71	59	50	44	56	48	43	53	46	41	50	45	40	38
6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	46	40	35	33
7	63	49	40	34	61	48	40	34	46	38	33	44	37	32	42	36	31	29
8	58	45	36	30	56	44	36	30	42	35	29	40	34	29	38	33	28	26
9	55	41	33	27	53	40	32	27	39	31	26	37	31	26	35	30	25	24
10	51	38	30	25	50	37	30	24	36	29	24	34	28	24	33	27	23	21

POLAR GRAPH



Maximum Candela = 931.016 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)