



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CX-3-08-L6-827-25-D-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM BALLABS TEST NO. 19929.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUEDATE] 2023-07-17
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO 64836
[LUMINAIRE] CONTINUOUS COVE LUMINAIRE @ 25DEG
[MORE] WITH FROSTED ACRYLIC LENS
[LUMCAT] CX-3-08-L6-827-25-D-DIM-UNV
[LAMPCAT] 22 INCH HLM LED ARRAYS
[_SEARCH_SOURCETYPE] LED
[_SOURCE_APPLICATION] INDOOR, CLASSROOM, EDUCATIONAL, ATRIUM
[_SEARCH_MOUNTING] COVE

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2143
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	18.04
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.22 ft
Luminous Width (90-270)	3.69 ft
Luminous Height	0.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	70.072	73.436	69.512	94.738	40.362	11.772	10.651	6.166	3.363
100	151.917	160.886	167.053	165.371	95.299	38.680	21.863	21.302	17.939
105	238.807	262.351	276.366	225.914	158.083	102.026	38.680	31.953	31.392
110	335.227	364.937	357.089	283.653	216.384	172.659	86.329	49.331	36.438
115	434.449	456.873	425.480	343.635	266.275	209.657	150.235	102.026	58.861
120	520.779	526.384	484.341	401.375	320.091	258.988	205.733	162.568	114.358
125	583.564	577.958	539.838	452.948	369.422	312.804	284.775	222.550	177.143
130	633.455	627.289	583.564	500.598	424.359	371.664	336.908	288.138	241.049
135	672.696	669.332	618.319	545.444	479.856	431.086	378.391	370.543	302.713
140	704.088	702.406	656.999	587.488	538.157	480.417	429.404	395.209	390.724
145	724.269	725.951	683.907	623.925	581.882	525.824	481.538	437.252	413.708
150	739.405	743.329	708.573	655.318	621.683	568.988	529.748	486.023	465.281
155	746.132	754.540	728.193	680.544	656.439	613.274	571.231	533.111	514.612
160	745.011	759.025	741.647	706.331	683.907	655.318	616.077	578.518	560.019
165	738.844	756.783	743.329	720.906	706.331	688.392	657.560	621.122	600.381
170	725.390	745.571	739.965	725.390	721.466	715.300	692.316	658.681	636.258
175	697.361	724.830	730.996	721.466	730.435	732.678	720.906	685.589	672.135
180	712.497	712.497	712.497	712.497	712.497	712.497	712.497	712.497	712.497

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	211.77	N.A.	9.90
90-120	483.97	N.A.	22.60
90-130	834.45	N.A.	38.90
90-150	1580.39	N.A.	73.80
90-180	2142.72	N.A.	100.00
110-180	1930.95	N.A.	90.10
0-180	2142.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	49.07
100-110	162.70
110-120	272.21
120-130	350.48
130-140	383.23
140-150	362.71
150-160	297.97
160-170	196.25
170-180	68.11

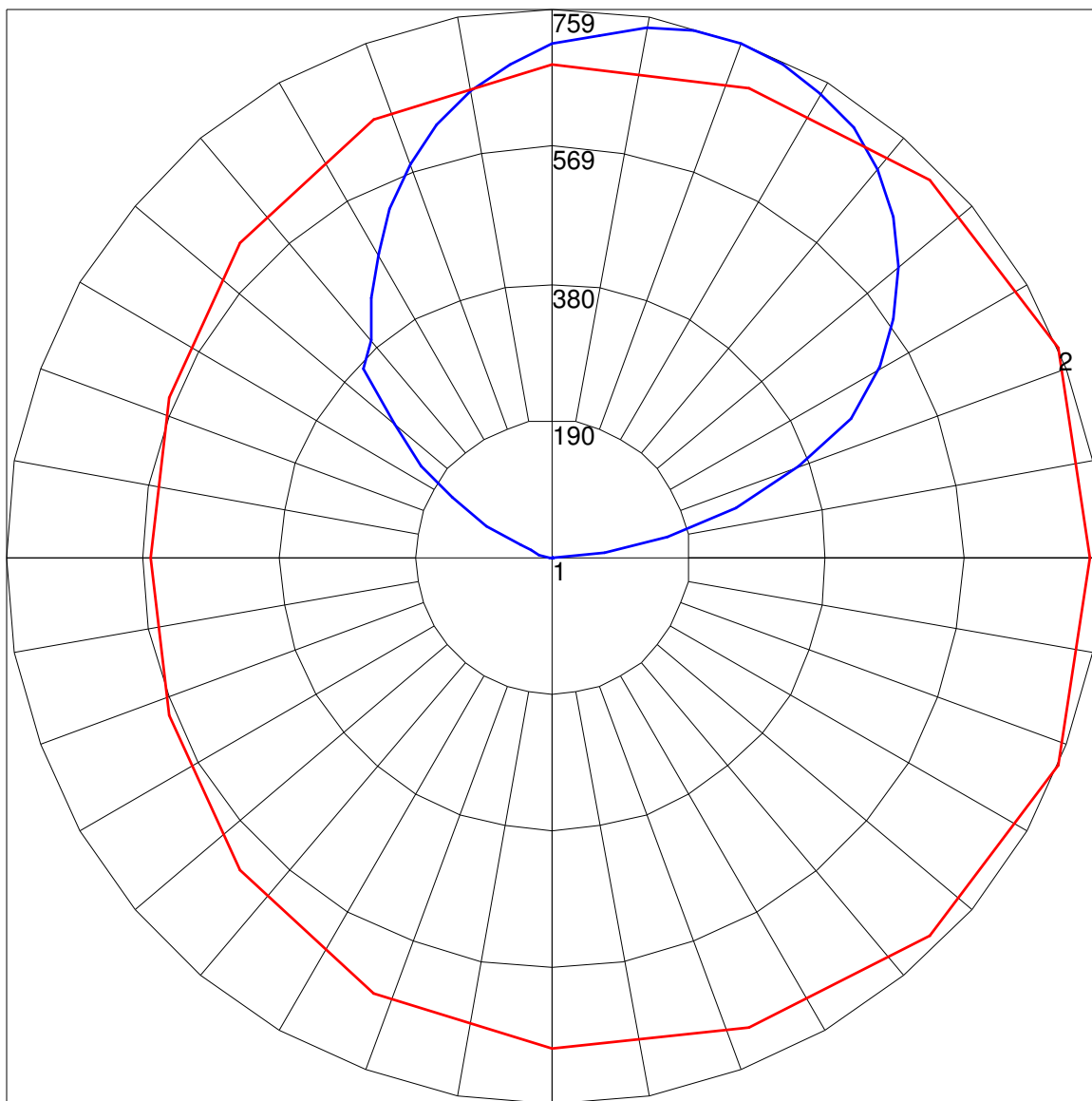
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 759.025 Located At Horizontal Angle = 22.5, Vertical Angle = 160
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (160) (Through Max. Cd.)