IES INDOOR REPORT
PHOTOMETRIC FILENAME : CXC-3-08-L6-835-25-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] 03-APR-2020
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO 64836
[LUMINAIRE] CONTINUOUS COVE LUMINAIRE @ 25DEG
[MORE] WITH FROSTED ACRYLIC LENS
[LUMCAT] CXC-3-08-L6-835-25-D-DIM-UNV
[LAMPCAT] HLM 80 CRI, 3500 CCT
[_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	2350
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	20.2
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

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
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	76.858	80.547	76.243	103.912	44.270	12.912	11.682	6.763	3.689
100	166.627	176.465	183.229	181.384	104.526	42.425	23.980	23.365	19.676
105	261.931	287.755	303.127	247.789	173.391	111.905	42.425	35.047	34.432
110	367.687	400.275	391.667	311.120	237.336	189.377	94.689	54.108	39.966
115	476.518	501.112	466.680	376.910	292.059	229.958	164.783	111.905	64.560
120	571.206	577.355	531.240	440.241	351.086	284.066	225.654	178.310	125.432
125	640.071	633.922	592.111	496.808	405.194	343.093	312.350	244.100	194.296
130	694.793	688.030	640.071	549.071	465.450	407.653	369.532	316.039	264.390
135	737.834	734.144	678.192	598.260	526.321	472.828	415.031	406.423	332.025
140	772.266	770.421	720.617	644.375	590.267	526.936	470.984	433.477	428.558
145	794.401	796.245	750.131	684.341	638.226	576.740	528.166	479.592	453.768
150	811.002	815.306	777.185	718.773	681.881	624.084	581.044	533.085	510.335
155	818.380	827.603	798.705	746.442	720.003	672.658	626.544	584.733	564.443
160	817.151	832.522	813.462	774.725	750.131	718.773	675.733	634.537	614.246
165	810.387	830.063	815.306	790.712	774.725	755.050	721.232	681.266	658.516
170	795.631	817.766	811.617	795.631	791.327	784.563	759.354	722.462	697.868
175	764.887	795.016	801.779	791.327	801.164	803.624	790.712	751.975	737.219
180	781.489	781.489	781.489	781.489	781.489	781.489	781.489	781.489	781.489

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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	232.27	N.A.	9.90
90-120	530.84	N.A.	22.60
90-130	915.25	N.A.	38.90
90-150	1733.42	N.A.	73.80
90-180	2350.2	N.A.	100.00
110-180	2117.93	N.A.	90.10
0-180	2350.2	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	53.82
100-110	178.45
110-120	298.56
120-130	384.41
130-140	420.34
140-150	397.83
150-160	326.82
160-170	215.25
170-180	74.70

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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	148	148	148	148	127	127	127	127	86	86	86	50	50	50	16	16	16	0
1	135	128	123	118	115	110	106	101	75	73	70	43	42	41	14	14	13	0
2	123	112	103	96	104	96	89	83	66	62	58	38	36	34	12	12	11	0
3	112	98	88	80	95	84	76	69	58	53	48	33	31	29	11	10	9	0
4	102	86	75	67	86	74	65	58	51	45	41	30	27	24	10	9	8	0
5	93	77	65	57	79	66	56	49	45	39	35	26	23	21	8	8	7	0
6	85	68	57	48	73	59	49	42	40	34	30	23	20	18	8	7	6	0
7	78	61	50	42	67	52	43	36	36	30	26	21	18	15	7	6	5	0
8	72	55	44	36	62	47	38	32	33	27	22	19	16	13	6	5	4	0
9	67	50	39	32	57	43	34	28	30	24	20	17	14	12	6	5	4	0
10	62	45	35	28	53	39	30	24	27	21	17	16	13	10	5	4	3	0

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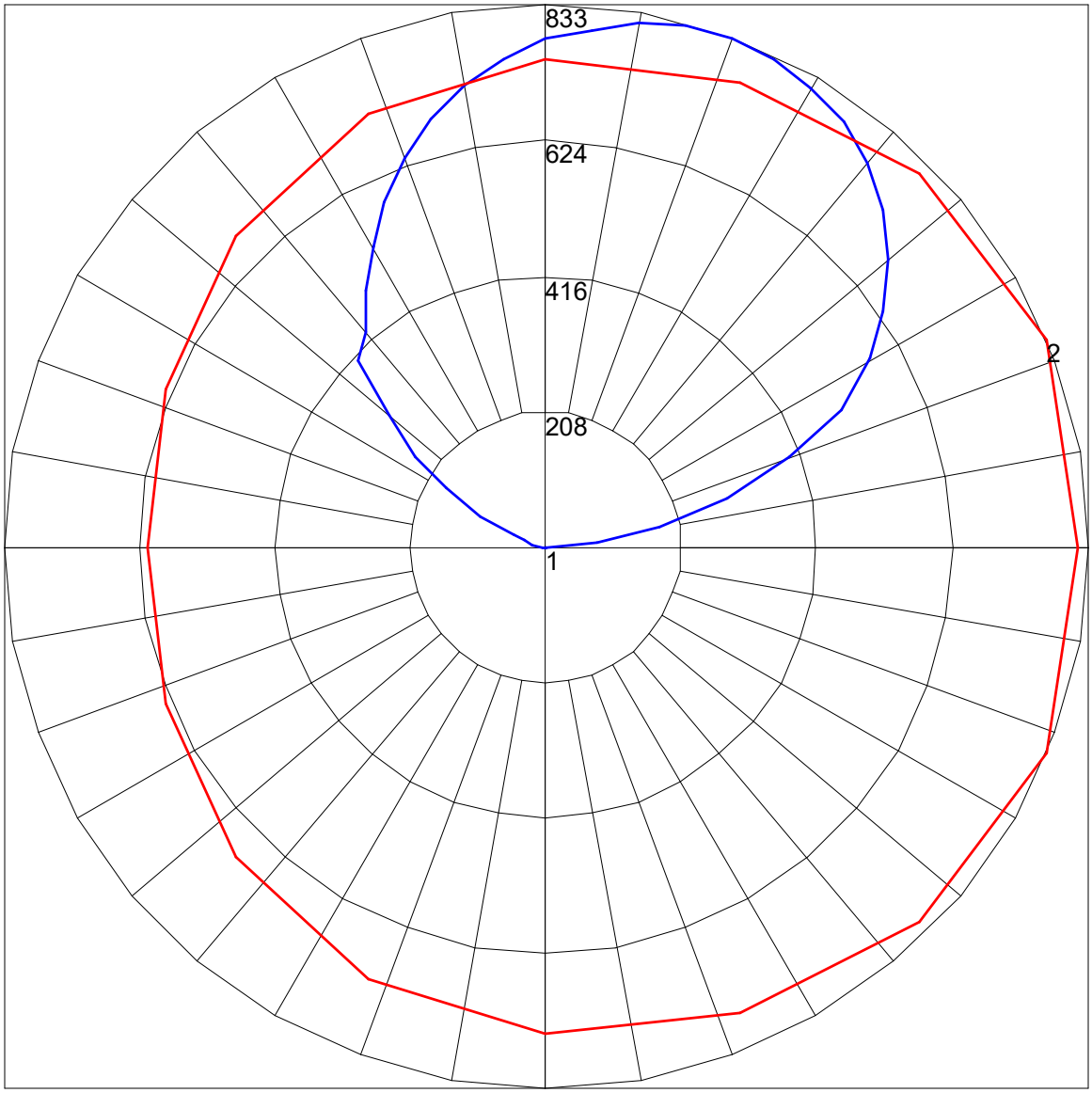
POLAR GRAPH



Maximum Candela = 832.522 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.)

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