IES INDOOR REPORT
PHOTOMETRIC FILENAME : CXC-3-08-L4-835-25-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-L4-835-25-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	1511
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	12.8
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	49.418	51.790	49.022	66.813	28.465	8.302	7.512	4.349	2.372
100	107.138	113.463	117.812	116.626	67.208	27.279	15.418	15.023	12.651
105	168.416	185.020	194.904	159.323	111.487	71.952	27.279	22.535	22.139
110	236.415	257.368	251.833	200.043	152.602	121.766	60.883	34.790	25.697
115	306.391	322.204	300.065	242.345	187.788	147.858	105.952	71.952	41.511
120	367.273	371.227	341.576	283.065	225.741	182.648	145.091	114.649	80.650
125	411.552	407.598	380.715	319.437	260.531	220.601	200.834	156.951	124.928
130	446.737	442.388	411.552	353.041	299.274	262.112	237.601	203.206	169.997
135	474.411	472.039	436.063	384.668	338.413	304.019	266.856	261.322	213.485
140	496.550	495.364	463.342	414.319	379.529	338.809	302.833	278.717	275.554
145	510.783	511.969	482.318	440.016	410.366	370.831	339.599	308.367	291.763
150	521.457	524.224	499.713	462.156	438.435	401.273	373.599	342.762	328.134
155	526.201	532.131	513.550	479.946	462.946	432.505	402.854	375.971	362.925
160	525.410	535.294	523.038	498.132	482.318	462.156	434.482	407.994	394.947
165	521.062	533.713	524.224	508.411	498.132	485.481	463.737	438.040	423.412
170	511.573	525.806	521.852	511.573	508.806	504.457	488.248	464.528	448.714
175	491.806	511.178	515.527	508.806	515.132	516.713	508.411	483.504	474.016
180	502.481	502.481	502.481	502.481	502.481	502.481	502.481	502.481	502.481

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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	149.35	N.A.	9.90
90-120	341.32	N.A.	22.60
90-130	588.49	N.A.	38.90
90-150	1114.55	N.A.	73.80
90-180	1511.13	N.A.	100.00
110-180	1361.78	N.A.	90.10
0-180	1511.13	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	34.61
100-110	114.74
110-120	191.97
120-130	247.17
130-140	270.27
140-150	255.79
150-160	210.14
160-170	138.40
170-180	48.03

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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	38	38	38	38	32	32	32	32	22	22	22	13	13	13	4	4	4	0
1	34	33	31	30	29	28	27	26	19	18	18	11	11	10	4	3	3	0
2	31	28	26	24	27	24	23	21	17	16	15	10	9	9	3	3	3	0
3	28	25	22	20	24	21	19	18	15	13	12	8	8	7	3	3	2	0
4	26	22	19	17	22	19	17	15	13	12	10	8	7	6	2	2	2	0
5	24	19	17	14	20	17	14	13	12	10	9	7	6	5	2	2	2	0
6	22	17	14	12	18	15	12	11	10	9	8	6	5	5	2	2	1	0
7	20	16	13	11	17	13	11	9	9	8	7	5	5	4	2	1	1	0
8	18	14	11	9	16	12	10	8	8	7	6	5	4	3	2	1	1	0
9	17	13	10	8	15	11	9	7	8	6	5	4	4	3	1	1	1	0
10	16	11	9	7	13	10	8	6	7	5	4	4	3	3	1	1	1	0

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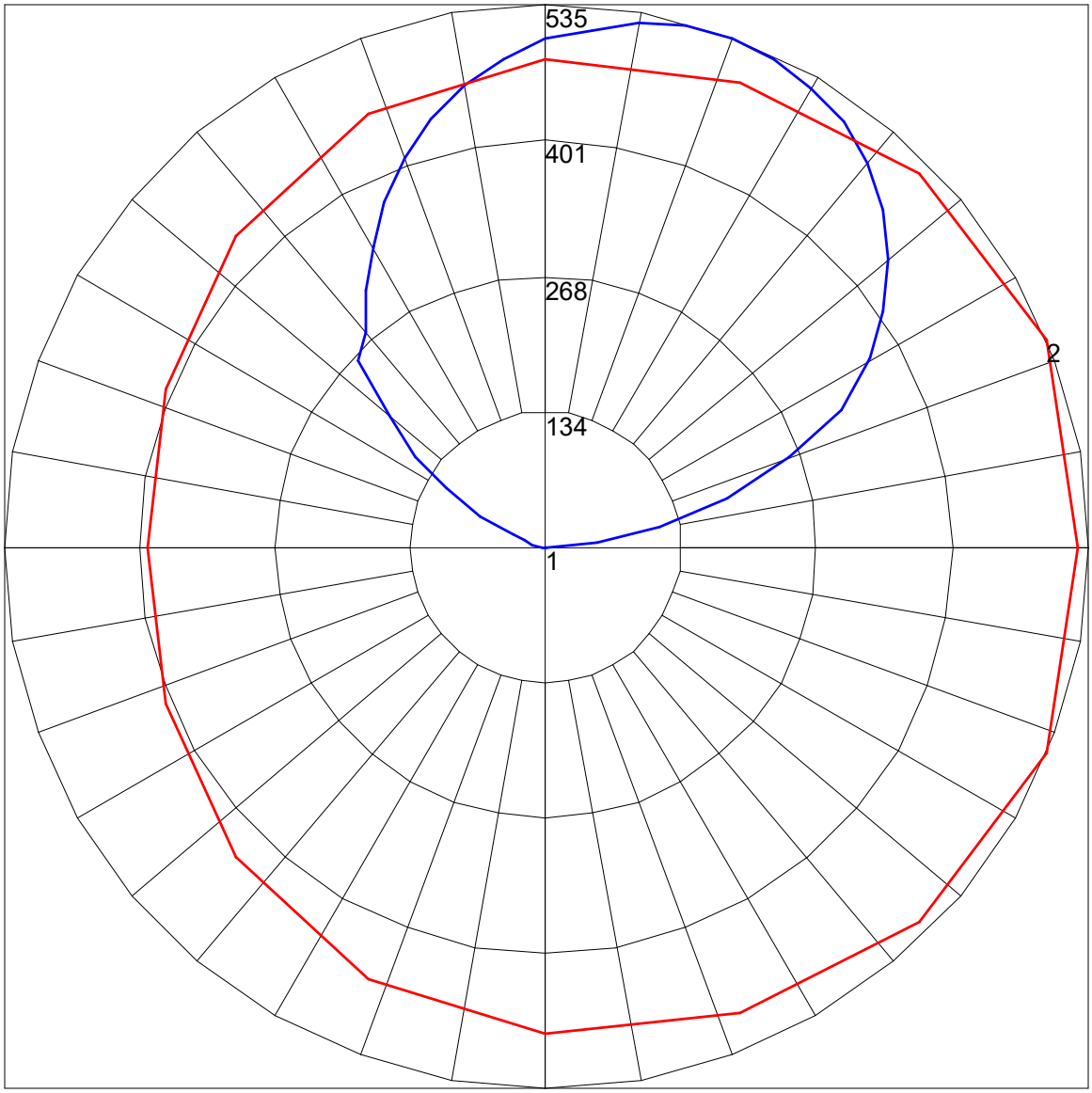
POLAR GRAPH



Maximum Candela = 535.294 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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