IES INDOOR REPORT
PHOTOMETRIC FILENAME : CXC-3-08-L4-835-0-D-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from BALLABS TEST NO. 19927.0
[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 @ 0 DEGREE
[MORE] WITH FROSTED ACRYLIC LENS
[LUMCAT] CXC-3-08-L4-835-0-D-DIM-UNV
[LAMPCAT] HLM 80 CRI, 3500 CCT
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] INDOOR, CLASSROOM, EDUCATIONAL, ATRIUM
[_SEARCH_MOUNTING] COVE

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1529
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
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
Luminous Length (0-180)	0.22 ft
Luminous Width (90-270)	3.69 ft
Luminous Height	0.00 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	0.789	1.184	4.340	25.253	29.594	30.383	27.621	27.621	28.410
100	20.124	29.988	42.615	64.317	73.392	68.262	63.527	64.317	66.684
105	80.889	91.148	93.516	106.537	114.823	116.007	108.904	107.721	108.904
110	136.525	135.736	139.287	149.151	151.124	164.935	157.043	153.097	149.546
115	172.432	176.772	182.296	185.847	189.793	209.917	198.474	195.317	193.344
120	213.468	217.414	224.516	228.068	233.197	251.348	241.483	240.694	235.170
125	254.110	260.029	263.580	271.866	277.785	286.466	285.282	283.703	276.206
130	293.963	306.195	305.011	314.086	318.821	327.107	327.502	326.713	316.454
135	329.475	345.653	342.101	353.544	359.463	368.933	364.198	368.144	357.095
140	365.382	379.587	380.376	388.662	395.370	407.207	402.078	400.105	395.370
145	397.737	408.391	413.126	419.439	427.331	439.563	434.828	428.515	430.487
150	427.331	441.141	443.509	449.033	457.713	474.286	466.394	456.530	464.027
155	459.686	471.918	473.102	475.864	486.518	501.907	494.015	482.967	489.675
160	484.940	497.961	495.593	497.172	508.614	521.636	515.322	502.696	507.036
165	502.301	519.268	517.295	515.322	525.581	536.235	529.922	517.295	519.663
170	513.744	529.527	529.527	528.343	537.813	546.100	539.786	523.608	525.581
175	515.322	534.657	537.419	536.630	546.100	552.807	545.310	524.398	525.187
180	535.840	535.840	535.840	535.840	535.840	535.840	535.840	535.840	535.840

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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	135.38	N.A.	8.90
90-120	324.09	N.A.	21.20
90-130	569.65	N.A.	37.30
90-150	1108.99	N.A.	72.50
90-180	1529.17	N.A.	100.00
110-180	1393.79	N.A.	91.10
0-180	1529.17	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	26.23
100-110	109.15
110-120	188.70
120-130	245.57
130-140	274.17
140-150	265.17
150-160	222.08
160-170	147.03
170-180	51.07

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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	87	87	87	87	75	75	75	75	51	51	51	29	29	29	9	9	9	0
1	79	76	72	70	68	65	62	60	44	43	41	26	25	24	8	8	8	0
2	72	66	61	57	61	57	52	49	39	36	34	22	21	20	7	7	7	0
3	66	58	52	47	56	50	45	41	34	31	29	20	18	17	6	6	6	0
4	60	51	44	39	51	44	38	34	30	27	24	17	16	14	6	5	5	0
5	55	45	38	33	47	39	33	29	27	23	21	15	14	12	5	4	4	0
6	50	40	33	29	43	35	29	25	24	20	18	14	12	10	4	4	3	0
7	46	36	29	25	39	31	25	21	21	18	15	12	10	9	4	3	3	0
8	43	32	26	21	36	28	22	19	19	16	13	11	9	8	4	3	3	0
9	40	29	23	19	34	25	20	16	17	14	12	10	8	7	3	3	2	0
10	37	27	21	17	31	23	18	14	16	13	10	9	7	6	3	2	2	0

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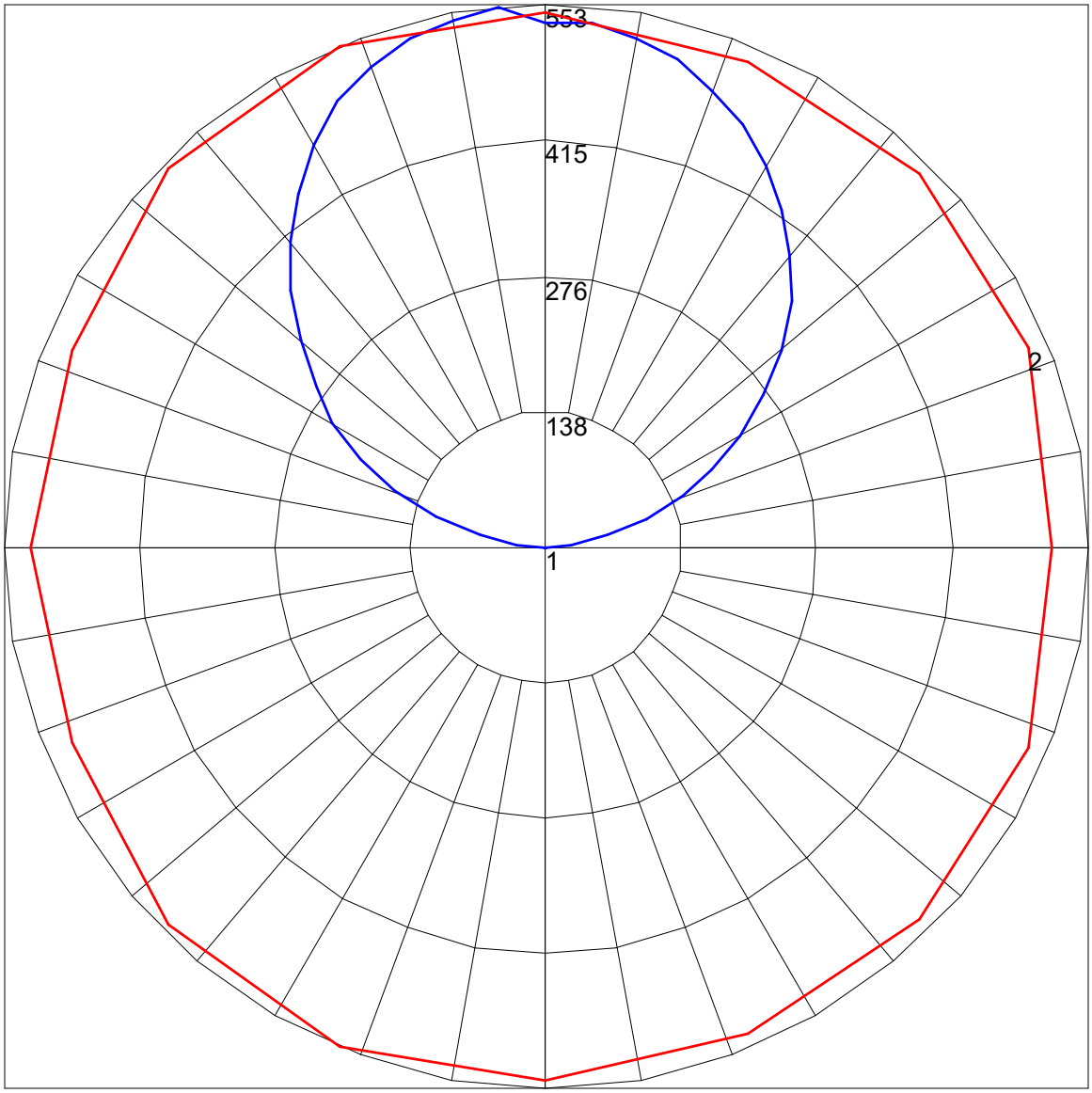
POLAR GRAPH



Maximum Candela = 552.807 Located At Horizontal Angle = 112.5, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)

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