



IES INDOOR REPORT

PHOTOMETRIC FILENAME : CXC-3-08-L10-8TW-25-D-DALI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 19929.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 19-JUN-2017
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 2-56 LED 22"ARRAYS 44"COVE LUMINAIRE @ 25DEG
 [MORE] WHITE REFLECTOR w/FROSTED ACRYLIC LENS
 [MORE] ADVANCE DRIVER #XI040C110V054BST1 @ 725mA
 [LUMCAT] CXC-3-08-L10-8TW-25-D-DALI
 [LAMPCAT] 10560227

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3687
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	33.9
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	120.585	126.373	119.620	163.031	69.457	20.258	18.329	10.611	5.788
100	261.428	276.863	287.474	284.580	163.995	66.563	37.622	36.658	30.870
105	410.953	451.469	475.586	388.765	272.039	175.571	66.563	54.987	54.022
110	576.878	628.005	614.500	488.127	372.366	297.121	148.560	84.892	62.704
115	747.626	786.213	732.191	591.348	458.222	360.790	258.534	175.571	101.291
120	896.186	905.833	833.482	690.710	550.831	445.681	354.037	279.757	196.794
125	1004.230	994.583	928.985	779.460	635.723	538.290	490.056	382.977	304.838
130	1090.086	1079.475	1004.230	861.458	730.261	639.582	579.772	495.845	414.812
135	1157.614	1151.826	1064.040	938.632	825.764	741.837	651.158	637.652	520.926
140	1211.636	1208.742	1130.603	1010.983	926.091	826.729	738.943	680.098	672.381
145	1246.364	1249.258	1176.907	1073.687	1001.336	904.868	828.658	752.449	711.932
150	1272.410	1279.163	1219.353	1127.709	1069.828	979.148	911.621	836.376	800.683
155	1283.987	1298.457	1253.117	1171.119	1129.638	1055.358	983.007	917.409	885.575
160	1282.057	1306.174	1276.269	1215.494	1176.907	1127.709	1060.181	995.548	963.713
165	1271.446	1302.315	1279.163	1240.576	1215.494	1184.625	1131.567	1068.863	1033.170
170	1248.293	1283.022	1273.375	1248.293	1241.541	1230.929	1191.377	1133.497	1094.910
175	1200.060	1247.329	1257.940	1241.541	1256.976	1260.834	1240.576	1179.801	1156.649
180	1226.106	1226.106	1226.106	1226.106	1226.106	1226.106	1226.106	1226.106	1226.106

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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	364.42	N.A.	9.90
90-120	832.85	N.A.	22.60
90-130	1435.97	N.A.	38.90
90-150	2719.62	N.A.	73.80
90-180	3687.31	N.A.	100.00
110-180	3322.89	N.A.	90.10
0-180	3687.31	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	84.44
100-110	279.98
110-120	468.43
120-130	603.12
130-140	659.49
140-150	624.16
150-160	512.76
160-170	337.72
170-180	117.21

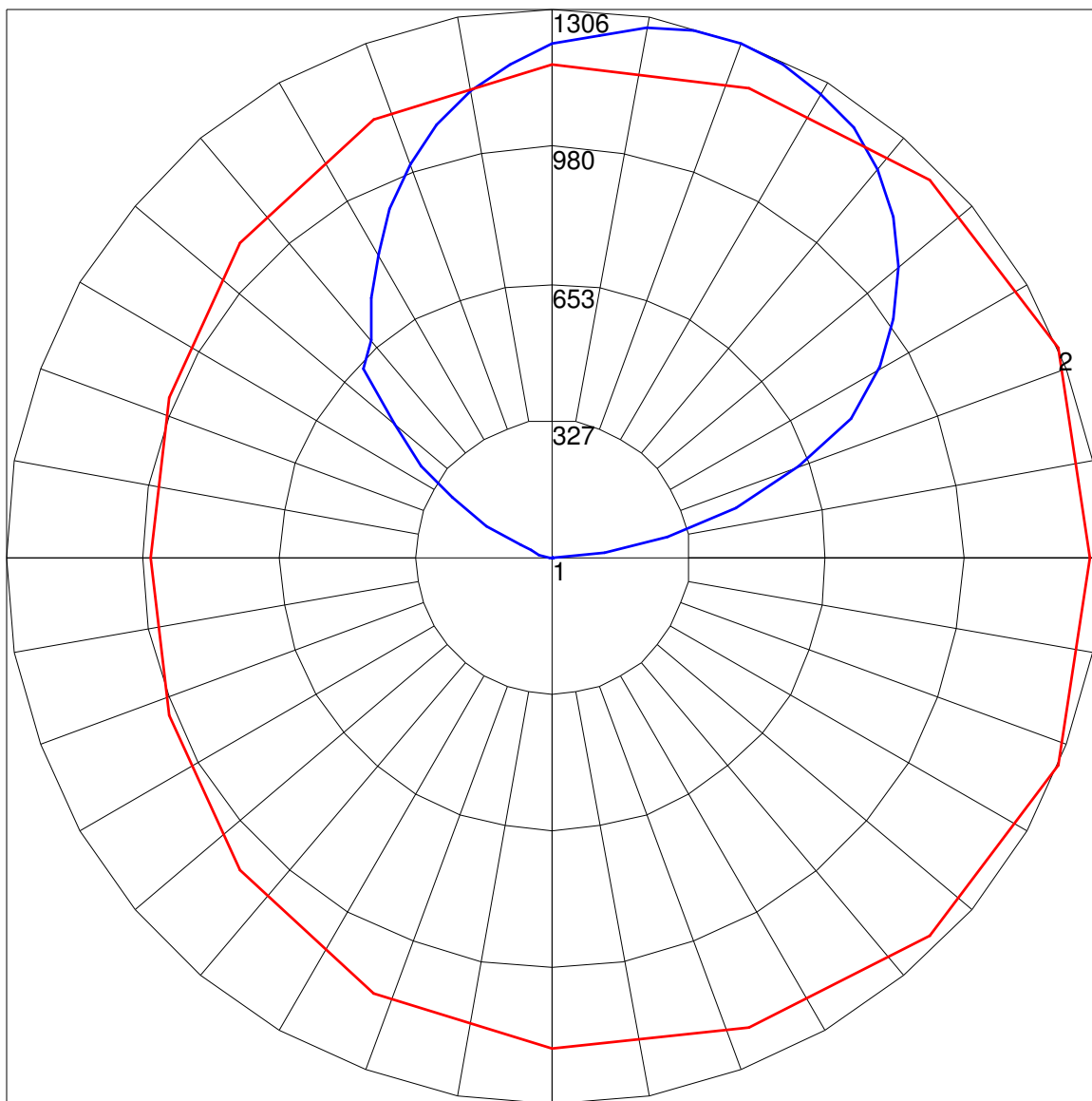
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	92	92	92	79	79	79	79	54	54	54	31	31	31	10	10	10	0
1	84	80	76	73	71	68	65	63	47	45	44	27	26	25	9	8	8	0
2	76	69	64	60	65	60	55	52	41	38	36	24	22	21	8	7	7	0
3	69	61	54	49	59	52	47	43	36	33	30	21	19	18	7	6	6	0
4	63	54	47	41	54	46	40	36	32	28	25	18	16	15	6	5	5	0
5	58	48	40	35	49	41	35	31	28	24	22	16	14	13	5	5	4	0
6	53	42	35	30	45	36	30	26	25	21	19	15	13	11	5	4	4	0
7	49	38	31	26	41	33	27	23	22	19	16	13	11	10	4	4	3	0
8	45	34	27	23	38	29	24	20	20	17	14	12	10	8	4	3	3	0
9	42	31	24	20	35	27	21	17	18	15	12	11	9	7	3	3	2	0
10	39	28	22	17	33	24	19	15	17	13	11	10	8	6	3	3	2	0

POLAR GRAPH



Maximum Candela = 1306.174 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.)