



IES INDOOR REPORT

PHOTOMETRIC FILENAME : TEMPESTALED-ACONLY-WALL-AGI32.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Lumentra, Inc. 160 Frobisher Drive, Unit 5 Waterloo, Ontario

[ISSUEDATE] 10-01-2021

[MANUFAC] BELUCE CANADA INC. MARKHAM, ONTARIO

[LUMCAT] TA-LED-ACOnly-120-347V-S (AC ONLY)

[LUMINAIRE] BELUCE LED LUMINAIRE WITH SPECULAR INTERIOR AND TRANSLUCENT PRISMATIC LENS

[LAMP] TWO LED BOARDS (40 LEDS EACH). LUMEN OUTPUT = 1849 LMS.

[_AGI32] File was generated from AGI32

CHARACTERISTICS

Lumens Per Lamp	278.7 (1 lamp)
Total Lamp Lumens	278.7
Luminaire Lumens	1849
Total Luminaire Efficiency	663 %
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	14.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.21 ft
Luminous Width (90-270)	0.42 ft
Luminous Height	0.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9309	9389	10252
55	8205	8955	10212
65	6885	8372	10271
75	5239	8016	10877
85	2698	8292	12850

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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>
0.0	564.832	564.832	564.832	564.832	564.832
2.5	563.903	563.903	564.832	565.761	565.761
5.0	562.974	562.045	563.903	564.832	563.903
7.5	560.187	560.187	560.187	559.258	557.400
10.0	555.542	555.542	552.755	549.968	549.039
12.5	549.039	548.110	543.465	539.749	538.820
15.0	539.749	537.891	531.388	529.530	528.601
17.5	529.530	526.743	520.240	519.311	517.453
20.0	517.453	513.737	508.163	507.234	507.234
22.5	504.447	499.802	496.086	497.015	497.015
25.0	489.583	484.009	482.151	485.867	486.796
27.5	471.932	467.287	467.287	472.861	475.648
30.0	454.281	449.636	452.423	461.713	467.287
32.5	435.701	432.914	438.488	453.352	458.926
35.0	416.192	414.334	423.624	443.133	449.636
37.5	394.825	394.825	408.760	432.914	440.346
40.0	373.458	376.245	396.683	422.695	430.127
42.5	353.020	357.665	383.677	411.547	419.908
45.0	331.653	338.156	370.671	399.470	407.831
47.5	309.357	318.647	354.878	385.535	394.825
50.0	287.990	299.138	340.014	371.600	381.819
52.5	265.694	279.629	322.363	356.736	366.955
55.0	243.398	260.120	305.641	340.943	352.091
57.5	222.031	241.540	288.919	325.150	336.298
60.0	200.664	222.960	271.268	308.428	321.434
62.5	178.368	202.522	251.759	291.706	305.641
65.0	157.001	183.013	232.250	274.984	288.919
67.5	136.563	163.504	214.599	259.191	274.055
70.0	117.054	144.924	197.877	243.398	258.262
72.5	98.474	126.344	180.226	226.676	242.469
75.0	79.894	108.693	164.433	211.812	227.605
77.5	62.243	92.900	148.640	196.948	212.741
80.0	46.450	78.036	134.705	181.155	196.948
82.5	31.586	65.030	119.841	166.291	183.942
85.0	19.509	52.953	104.977	150.498	168.149
87.5	11.148	40.876	90.113	132.847	150.498
90.0	7.432	28.799	74.320	115.196	132.847
92.5	7.432	20.438	61.314	98.474	115.196
95.0	7.432	15.793	50.166	82.681	98.474
97.5	6.503	13.006	40.876	70.604	84.539
100.0	6.503	10.219	32.515	59.456	72.462
102.5	5.574	7.432	26.941	49.237	59.456
105.0	5.574	5.574	22.296	40.876	49.237
107.5	4.645	3.716	17.651	34.373	40.876
110.0	3.716	2.787	13.935	27.870	34.373
112.5	2.787	1.858	9.290	23.225	27.870
115.0	2.787	1.858	5.574	17.651	23.225
117.5	1.858	0.929	1.858	13.006	17.651
120.0	0.929	0.929	0.929	8.361	12.077
122.5	0.929	0.000	0.000	4.645	7.432
125.0	0.000	0.000	0.000	1.858	3.716
127.5	0.000	0.000	0.000	0.000	0.929
130.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

135.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	203.85	73.10	11.00
0-30	427.25	153.30	23.10
0-40	695.54	249.60	37.60
0-60	1250.06	448.50	67.60
0-80	1646.04	590.60	89.00
0-90	1755.61	629.90	94.90
10-90	1702.17	610.80	92.10
20-40	491.69	176.40	26.60
20-50	776.60	278.70	42.00
40-70	781.28	280.30	42.30
60-80	395.99	142.10	21.40
70-80	169.22	60.70	9.20
80-90	109.57	39.30	5.90
90-110	82.61	29.60	4.50
90-120	92.21	33.10	5.00
90-130	93.44	33.50	5.10
90-150	93.44	33.50	5.10
90-180	93.44	33.50	5.10
110-180	10.83	3.90	0.60
0-180	1849.05	663.50	100.00

Total Luminaire Efficiency = 663.50%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.44
10-20	150.40
20-30	223.40
30-40	268.29
40-50	284.91
50-60	269.61
60-70	226.76
70-80	169.22
80-90	109.57
90-100	56.52
100-110	26.09
110-120	9.60
120-130	1.23
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

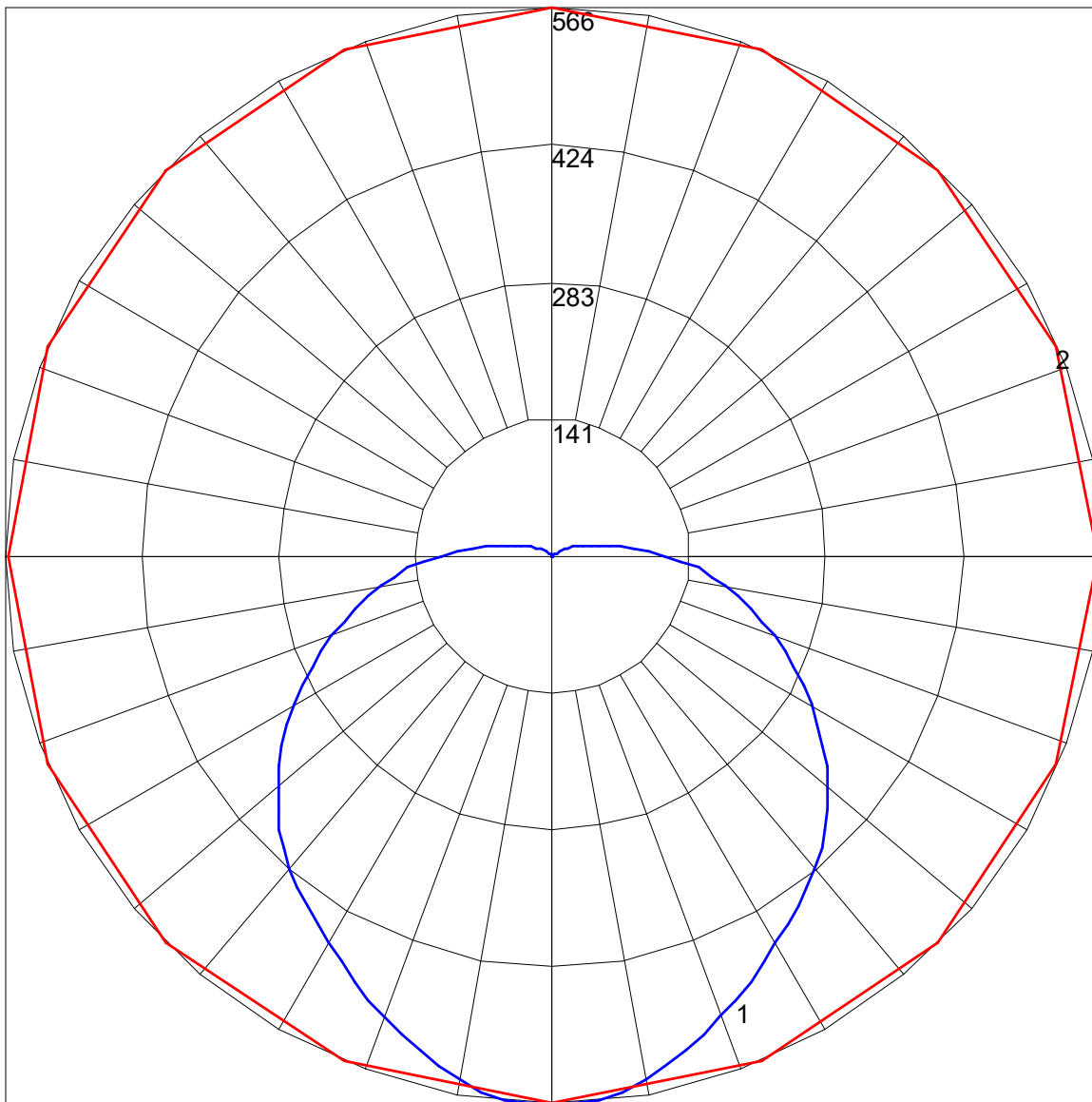
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	782	782	782	782	760	760	760	760	719	719	719	681	681	681	646	646	646	630
1	700	662	629	598	678	644	613	585	609	584	561	577	556	537	547	531	515	498
2	632	571	520	478	610	555	508	469	525	486	453	498	466	437	473	446	423	405
3	573	498	439	392	553	484	430	386	459	413	375	436	397	364	414	382	354	337
4	523	439	377	330	505	428	370	325	406	356	317	386	344	309	368	331	301	285
5	481	391	328	282	464	381	323	279	363	312	273	346	301	266	330	292	260	245
6	443	351	289	245	428	343	285	243	327	276	238	313	267	233	299	259	228	213
7	411	318	258	216	397	311	254	214	297	247	210	285	240	206	273	233	202	188
8	382	290	232	192	370	284	229	190	272	222	187	261	216	184	251	211	181	167
9	357	266	210	172	346	260	207	171	250	202	168	241	197	166	232	192	163	150
10	335	245	192	156	324	240	189	155	231	185	152	223	180	150	215	176	148	136

POLAR GRAPH



Maximum Candela = 565.761 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)