

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : TALEDSE-WALL MOUNTED.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] BEGHELLI

[LUMCAT] TALEDSE - WALL MOUNTED

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

[LAMP] TWO LED BOARDS (40 LEDS EACH). LUMEN OUTPUT = 1899 LMS.

[\_AGI32] File was generated from AGI32

### CHARACTERISTICS

Lumens Per Lamp	949 (2 lamps)
Total Lamp Lumens	1898
Luminaire Lumens	1898
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	15.1
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	9555	9637	10522
55	8421	9191	10481
65	7066	8592	10542
75	5377	8227	11163
85	2769	8510	13188

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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	579.725	579.725	579.725	579.725	579.725
2.5	578.771	578.771	579.725	580.678	580.678
5.0	577.818	576.864	578.771	579.725	578.771
7.5	574.957	574.957	574.957	574.004	572.097
10.0	570.190	570.190	567.329	564.469	563.515
12.5	563.515	562.562	557.794	553.980	553.027
15.0	553.980	552.073	545.399	543.492	542.538
17.5	543.492	540.631	533.957	533.003	531.096
20.0	531.096	527.282	521.561	520.608	520.608
22.5	517.747	512.980	509.166	510.119	510.119
25.0	502.492	496.771	494.864	498.678	499.631
27.5	484.375	479.608	479.608	485.329	488.189
30.0	466.259	461.491	464.352	473.887	479.608
32.5	447.189	444.328	450.049	465.305	471.026
35.0	427.165	425.258	434.793	454.817	461.491
37.5	405.235	405.235	419.538	444.328	451.956
40.0	383.305	386.165	407.142	433.840	441.468
42.5	362.328	367.095	393.793	422.398	430.979
45.0	340.397	347.072	380.444	410.003	418.584
47.5	317.514	327.049	364.235	395.700	405.235
50.0	295.583	307.025	348.979	381.398	391.886
52.5	272.699	287.002	330.863	366.142	376.630
55.0	249.816	266.978	313.700	349.932	361.374
57.5	227.885	247.909	296.537	333.723	345.165
60.0	205.955	228.839	278.420	316.560	329.909
62.5	183.071	207.862	258.397	299.397	313.700
65.0	161.141	187.838	238.374	282.234	296.537
67.5	140.164	167.815	220.257	266.025	281.281
70.0	120.140	148.745	203.094	249.816	265.071
72.5	101.070	129.675	184.978	232.653	248.862
75.0	82.001	111.559	168.769	217.397	233.606
77.5	63.884	95.349	152.559	202.141	218.350
80.0	47.675	80.094	138.257	185.931	202.141
82.5	32.419	66.745	123.001	170.675	188.792
85.0	20.023	54.349	107.745	154.466	172.582
87.5	11.442	41.954	92.489	136.350	154.466
90.0	7.628	29.558	76.280	118.233	136.350
92.5	7.628	20.977	62.931	101.070	118.233
95.0	7.628	16.209	51.489	84.861	101.070
97.5	6.674	13.349	41.954	72.466	86.768
100.0	6.674	10.488	33.372	61.024	74.373
102.5	5.721	7.628	27.651	50.535	61.024
105.0	5.721	5.721	22.884	41.954	50.535
107.5	4.767	3.814	18.116	35.279	41.954
110.0	3.814	2.860	14.302	28.605	35.279
112.5	2.860	1.907	9.535	23.837	28.605
115.0	2.860	1.907	5.721	18.116	23.837
117.5	1.907	0.953	1.907	13.349	18.116
120.0	0.953	0.953	0.953	8.581	12.395
122.5	0.953	0.000	0.000	4.767	7.628
125.0	0.000	0.000	0.000	1.907	3.814
127.5	0.000	0.000	0.000	0.000	0.953
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	209.22	11.00	11.00
0-30	438.51	23.10	23.10
0-40	713.88	37.60	37.60
0-60	1283.02	67.60	67.60
0-80	1689.44	89.00	89.00
0-90	1801.9	94.90	94.90
10-90	1747.05	92.00	92.10
20-40	504.65	26.60	26.60
20-50	797.07	42.00	42.00
40-70	801.88	42.20	42.30
60-80	406.43	21.40	21.40
70-80	173.68	9.20	9.20
80-90	112.46	5.90	5.90
90-110	84.79	4.50	4.50
90-120	94.64	5.00	5.00
90-130	95.91	5.10	5.10
90-150	95.91	5.10	5.10
90-180	95.91	5.10	5.10
110-180	11.12	0.60	0.60
0-180	1897.81	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	54.85
10-20	154.37
20-30	229.29
30-40	275.36
40-50	292.42
50-60	276.72
60-70	232.74
70-80	173.68
80-90	112.46
90-100	58.01
100-110	26.78
110-120	9.85
120-130	1.27
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95
1	105	100	95	90	102	97	92	88	92	88	84	87	84	81	82	80	78	75
2	95	86	78	72	92	84	77	71	79	73	68	75	70	66	71	67	64	61
3	86	75	66	59	83	73	65	58	69	62	57	66	60	55	62	58	53	51
4	79	66	57	50	76	64	56	49	61	54	48	58	52	47	55	50	45	43
5	72	59	49	43	70	57	49	42	55	47	41	52	45	40	50	44	39	37
6	67	53	44	37	65	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	28
8	58	44	35	29	56	43	34	29	41	34	28	39	33	28	38	32	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	30	25	35	29	25	23
10	50	37	29	24	49	36	29	23	35	28	23	34	27	23	32	27	22	20

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**UGR TABLE - CORRECTED**

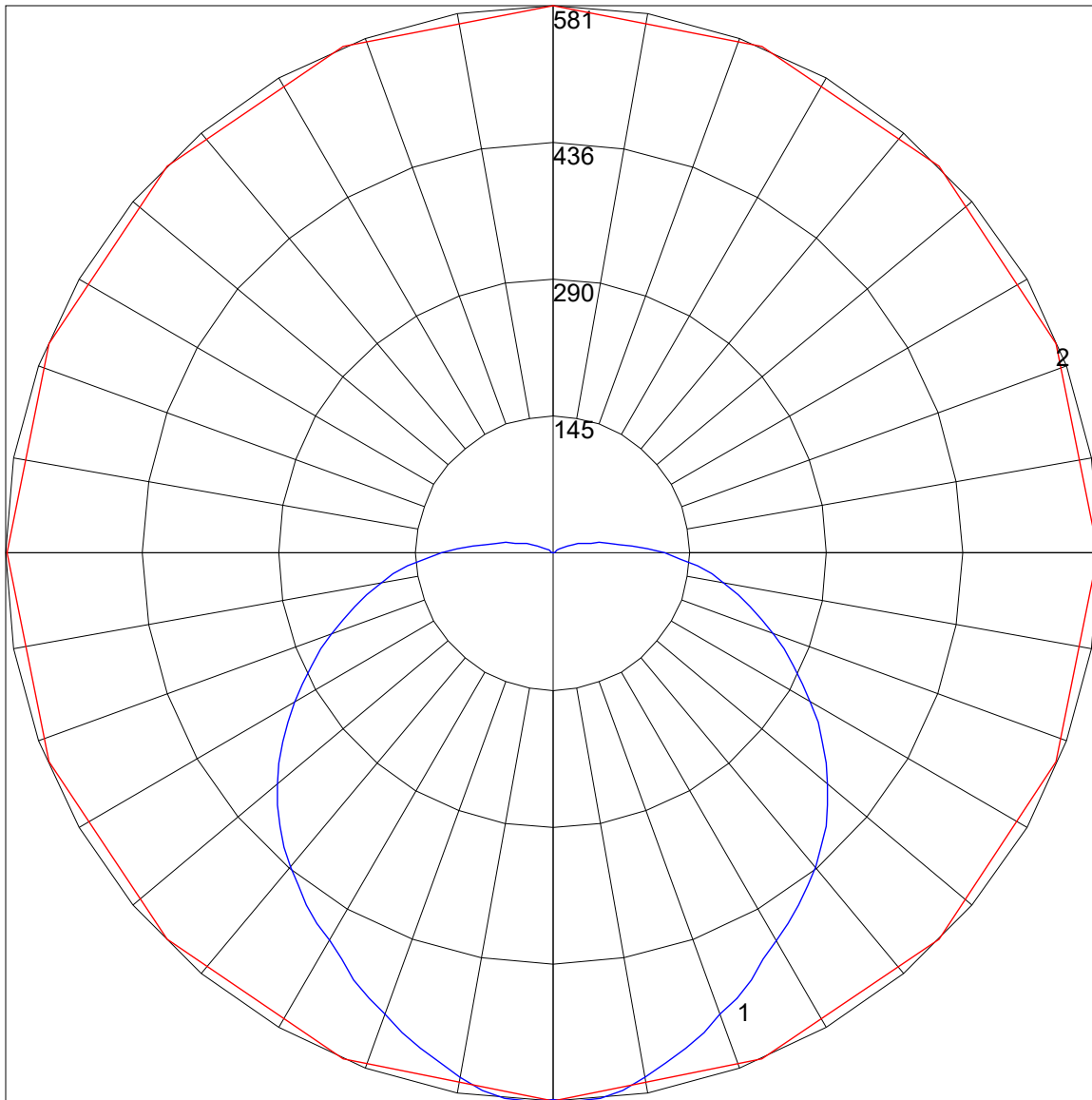
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	17.9	19.5	18.3	19.9	20.4	20.5	22.1	20.9	22.5	22.9
	3H	19.4	20.9	19.9	21.3	21.8	23.0	24.5	23.5	24.9	25.4
	4H	19.9	21.3	20.4	21.7	22.2	24.2	25.6	24.7	26.1	26.6
	6H	20.2	21.5	20.7	22.0	22.5	25.5	26.8	26.0	27.3	27.8
	8H	20.3	21.6	20.8	22.0	22.6	26.2	27.4	26.7	27.9	28.4
	12H	20.4	21.5	20.9	22.0	22.6	26.8	28.0	27.3	28.5	29.0
4H	2H	19.0	20.4	19.4	20.8	21.3	20.9	22.3	21.4	22.8	23.3
	3H	20.7	21.9	21.2	22.4	22.9	23.7	24.9	24.2	25.4	25.9
	4H	21.3	22.4	21.9	22.9	23.5	25.2	26.2	25.7	26.7	27.3
	6H	21.8	22.7	22.3	23.3	23.8	26.6	27.6	27.2	28.1	28.7
	8H	21.9	22.8	22.4	23.3	23.9	27.4	28.3	27.9	28.8	29.4
	12H	22.0	22.8	22.5	23.4	24.0	28.2	29.0	28.7	29.6	30.1
8H	4H	22.2	23.1	22.7	23.6	24.2	25.4	26.3	25.9	26.8	27.4
	6H	22.8	23.6	23.4	24.2	24.8	27.1	27.8	27.6	28.4	29.0
	8H	23.1	23.8	23.7	24.4	24.9	28.0	28.7	28.6	29.3	29.9
	12H	23.2	23.9	23.8	24.4	25.1	29.0	29.6	29.6	30.2	30.8
12H	4H	22.4	23.3	23.0	23.8	24.4	25.4	26.2	26.0	26.8	27.4
	6H	23.2	23.9	23.8	24.5	25.1	27.1	27.8	27.7	28.4	29.0
	8H	23.6	24.2	24.1	24.8	25.4	28.1	28.7	28.7	29.3	30.0

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 580.678 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.)