



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTS-22-L26-835-RA-(L21)-EM10W-DIM-UNV_EMER MODE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 19562.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUEDATE] 03-01-2022
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 1-22" LED ARRAY 2x2'RECESSED LUMINAIRE
 [MORE] WHITE REFLECTOR w/CENTER FROSTED RIBBED ACRYLIC LENS
 [MORE] EVERLINE #D10CC55UNVTZ-C @ 76 SETPOINT
 [LUMCAT] PTS-22-L26-835-RA-(L21)-EM10W-DIM-UNV
 [LAMPCAT] M700C840D72N2A
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Indoor, Architectural, Office, Direct
 [_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1330
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	1.93 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1250	1296	1338
55	1057	1164	1242
65	808	1010	1123
75	561	896	1107
85	320	731	913

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	508.278	508.278	508.278	508.278	508.278
5	509.987	506.911	506.227	504.518	504.518
10	503.151	500.075	499.733	498.024	497.682
15	491.187	487.769	487.427	486.744	486.402
20	474.097	471.020	470.679	471.020	471.020
25	450.170	447.093	449.144	450.511	449.144
30	420.774	419.406	421.457	423.850	422.141
35	386.934	386.592	391.036	392.745	394.454
40	347.967	347.967	355.487	358.563	361.298
45	303.531	303.531	314.811	321.989	325.066
50	256.703	257.044	272.084	281.655	286.099
55	208.165	211.925	229.358	239.612	244.739
60	160.653	168.173	185.605	196.885	202.354
65	117.242	127.155	146.638	158.944	163.046
70	78.959	91.264	110.748	123.395	128.180
75	49.905	61.868	79.643	92.290	98.443
80	27.003	37.258	52.981	61.868	68.021
85	9.571	16.749	21.876	21.876	27.345
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	185.71	N.A.	14.00
0-30	392.42	N.A.	29.50
0-40	636.17	N.A.	47.80
0-60	1080.76	N.A.	81.30
0-80	1305.6	N.A.	98.20
0-90	1329.93	N.A.	100.00
10-90	1281.82	N.A.	96.40
20-40	450.46	N.A.	33.90
20-50	692.16	N.A.	52.00
40-70	587.32	N.A.	44.20
60-80	224.85	N.A.	16.90
70-80	82.11	N.A.	6.20
80-90	24.33	N.A.	1.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1329.93	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.11
10-20	137.60
20-30	206.72
30-40	243.75
40-50	241.70
50-60	202.89
60-70	142.73
70-80	82.11
80-90	24.33
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	100	91	85	79	97	90	83	78	86	81	76	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	63	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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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

X=2H	Y=2H	11.8	13.4	12.1	13.7	14.0	12.8	14.4	13.2	14.7	15.0
	3H	13.1	14.5	13.4	14.8	15.2	14.6	16.1	15.0	16.4	16.8
	4H	13.5	14.8	13.9	15.2	15.6	15.4	16.8	15.8	17.1	17.5
	6H	13.7	15.0	14.2	15.4	15.8	16.1	17.4	16.5	17.7	18.1
	8H	13.8	15.0	14.2	15.4	15.8	16.3	17.5	16.8	17.9	18.3
	12H	13.8	15.0	14.3	15.4	15.8	16.5	17.6	16.9	18.0	18.5

UGR Viewed Endwise

4H	2H	12.5	13.8	12.9	14.2	14.6	13.3	14.7	13.7	15.0	15.4
	3H	14.0	15.1	14.4	15.5	15.9	15.4	16.5	15.8	16.9	17.3
	4H	14.6	15.6	15.0	16.0	16.4	16.3	17.3	16.7	17.7	18.2
	6H	14.9	15.8	15.4	16.3	16.7	17.2	18.1	17.6	18.5	19.0
	8H	15.0	15.9	15.5	16.3	16.8	17.5	18.3	17.9	18.7	19.2
	12H	15.1	15.9	15.6	16.3	16.8	17.7	18.4	18.2	18.9	19.4

8H	4H	15.0	15.8	15.5	16.3	16.8	16.6	17.4	17.0	17.8	18.3
	6H	15.5	16.2	16.0	16.7	17.2	17.5	18.2	18.0	18.7	19.2
	8H	15.7	16.3	16.2	16.9	17.3	17.9	18.6	18.5	19.1	19.6
	12H	15.8	16.4	16.3	16.9	17.4	18.2	18.8	18.7	19.2	19.8

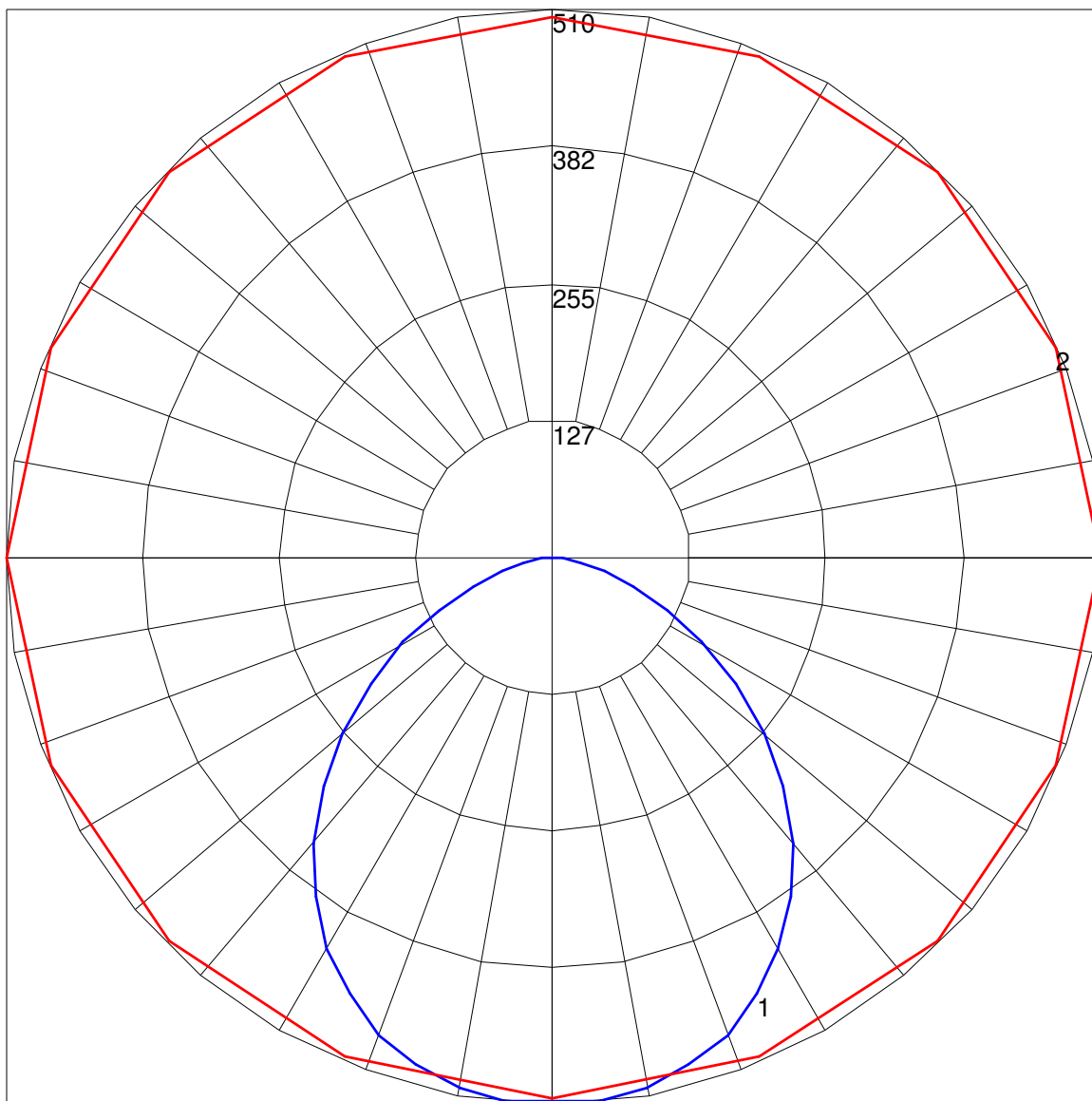
12H	4H	15.1	15.8	15.6	16.3	16.8	16.6	17.3	17.0	17.8	18.3
	6H	15.7	16.3	16.2	16.8	17.3	17.6	18.2	18.1	18.7	19.2
	8H	15.9	16.5	16.4	17.0	17.5	18.0	18.6	18.5	19.1	19.6

Maximum UGR = 19.8

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POLAR GRAPH



Maximum Candela = 509.987 Located At Horizontal Angle = 0, Vertical Angle = 5

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)