



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTS-22-L26-830-RA-EM10W-DIM-UNV\_(EMERGENCY 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] 01-23-23  
 [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-L26-830-RA-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	1220
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
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	1146	1189	1228
55	969	1068	1139
65	741	927	1030
75	515	822	1016
85	293	670	838

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	466.240	466.240	466.240	466.240	466.240
<b>5</b>	467.808	464.986	464.359	462.791	462.791
<b>10</b>	461.537	458.715	458.401	456.834	456.520
<b>15</b>	450.563	447.427	447.114	446.487	446.173
<b>20</b>	434.886	432.064	431.750	432.064	432.064
<b>25</b>	412.938	410.116	411.997	413.251	411.997
<b>30</b>	385.973	384.719	386.600	388.795	387.227
<b>35</b>	354.932	354.618	358.694	360.262	361.830
<b>40</b>	319.188	319.188	326.086	328.908	331.416
<b>45</b>	278.427	278.427	288.774	295.359	298.180
<b>50</b>	235.472	235.785	249.581	258.360	262.436
<b>55</b>	190.948	194.397	210.388	219.794	224.498
<b>60</b>	147.366	154.264	170.254	180.601	185.618
<b>65</b>	107.546	116.638	134.510	145.798	149.561
<b>70</b>	72.429	83.716	101.588	113.189	117.579
<b>75</b>	45.777	56.751	73.056	84.657	90.301
<b>80</b>	24.770	34.176	48.599	56.751	62.395
<b>85</b>	8.779	15.364	20.067	20.067	25.084
<b>90</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : PTS-22-L26-830-RA-EM10W-DIM-UNV\_(EMERGENCY MODE).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	170.35	N.A.	14.00
0-30	359.97	N.A.	29.50
0-40	583.55	N.A.	47.80
0-60	991.37	N.A.	81.30
0-80	1197.62	N.A.	98.20
0-90	1219.94	N.A.	100.00
10-90	1175.81	N.A.	96.40
20-40	413.21	N.A.	33.90
20-50	634.92	N.A.	52.00
40-70	538.75	N.A.	44.20
60-80	206.25	N.A.	16.90
70-80	75.32	N.A.	6.20
80-90	22.32	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	1219.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	44.13
10-20	126.22
20-30	189.62
30-40	223.59
40-50	221.71
50-60	186.11
60-70	130.93
70-80	75.32
80-90	22.32
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	11.5	13.1	11.8	13.4	13.7	12.5	14.1	12.9	14.4	14.7
	3H	12.8	14.2	13.1	14.5	14.9	14.3	15.8	14.7	16.1	16.5
	4H	13.2	14.5	13.6	14.9	15.3	15.1	16.5	15.5	16.8	17.2
	6H	13.4	14.7	13.9	15.1	15.5	15.8	17.1	16.2	17.4	17.8
	8H	13.5	14.7	13.9	15.1	15.5	16.0	17.2	16.5	17.6	18.0
	12H	13.5	14.7	14.0	15.1	15.5	16.2	17.3	16.6	17.7	18.2

### UGR Viewed Endwise

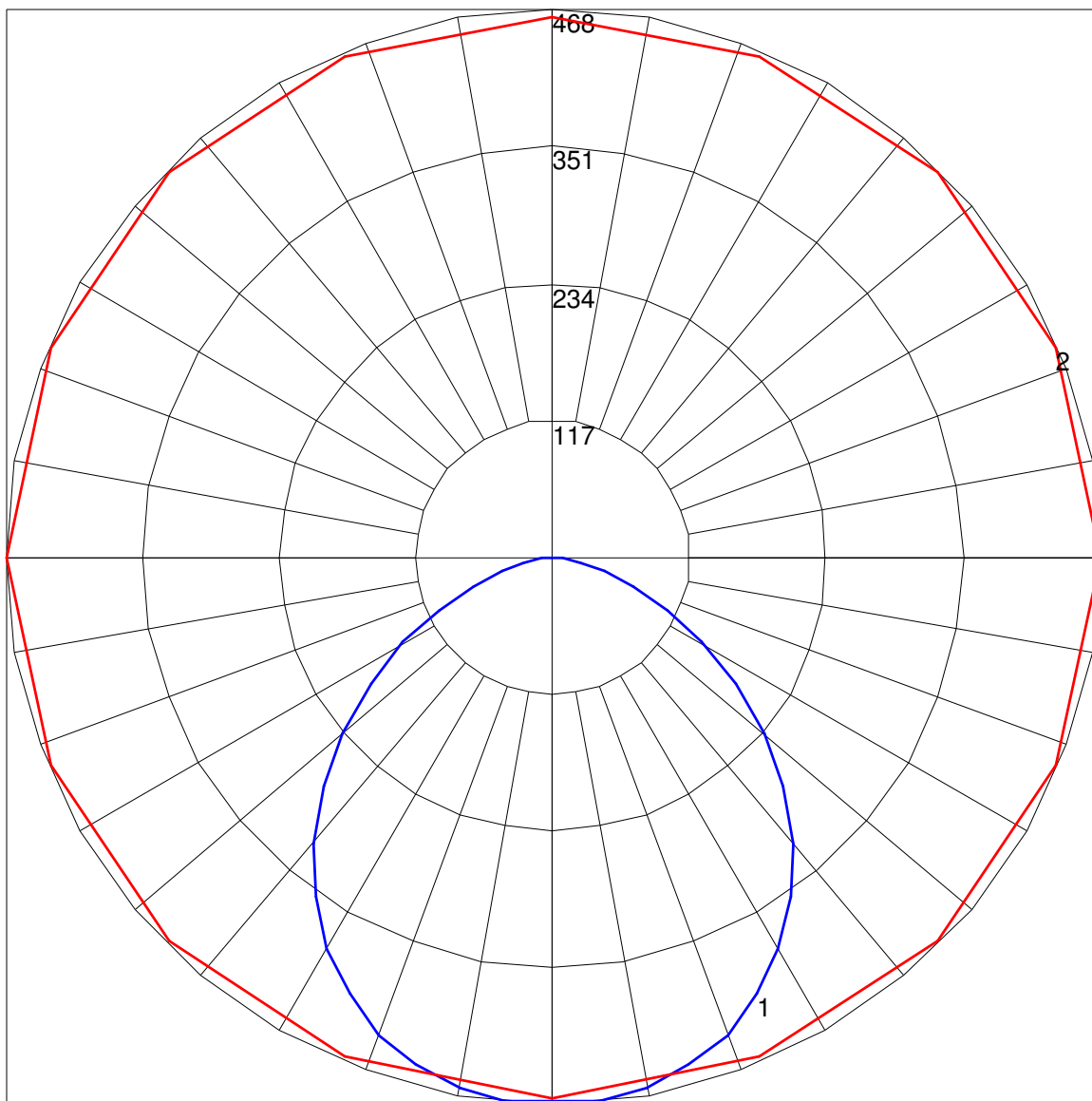
4H	2H	12.2	13.5	12.6	13.9	14.3	13.0	14.4	13.4	14.7	15.1
	3H	13.7	14.8	14.1	15.2	15.6	15.1	16.2	15.5	16.6	17.0
	4H	14.3	15.3	14.7	15.7	16.1	16.0	17.0	16.4	17.4	17.9
	6H	14.6	15.5	15.1	16.0	16.4	16.9	17.8	17.3	18.2	18.7
	8H	14.7	15.6	15.2	16.0	16.5	17.2	18.0	17.6	18.4	18.9
	12H	14.8	15.6	15.3	16.0	16.5	17.4	18.1	17.9	18.6	19.1
8H	4H	14.7	15.5	15.2	16.0	16.5	16.3	17.1	16.7	17.5	18.0
	6H	15.2	15.9	15.7	16.4	16.9	17.2	17.9	17.7	18.4	18.9
	8H	15.4	16.0	15.9	16.6	17.0	17.6	18.3	18.2	18.8	19.3
	12H	15.5	16.1	16.0	16.6	17.1	17.9	18.5	18.4	18.9	19.5
12H	4H	14.8	15.5	15.3	16.0	16.5	16.3	17.0	16.7	17.5	18.0
	6H	15.4	16.0	15.9	16.5	17.0	17.3	17.9	17.8	18.4	18.9
	8H	15.6	16.2	16.1	16.7	17.2	17.7	18.3	18.2	18.8	19.3

Maximum UGR = 19.5

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## POLAR GRAPH



Maximum Candela = 467.808 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.)