

IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXX-62-6-00-L4-835-S-XXXX-XXXX-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]GEN FROM BALLABS TEST NO. 20584.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUE DATE] 19-NOV-2025
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
[LUMINAIRE] 2-56 LED 22"ARRAYS 3'8" PERIMETER LUMINAIRE
[MORE] WHITE ASYM REFLECTOR w/OPEN BOTTOM
[LUMCAT] PXX-62-6-00-L4-835-S-xxxx-xxxx-DIM-UNV
[LAMPCAT] HLM2256-5630 REV B 10560227

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2376
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	6.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2595	3321	3939
55	2090	2598	3939
65	1627	1999	3814
75	988	1296	3409
85	0	215	942

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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	1058.399	1058.399	1058.399	1058.399	1058.399	1058.399	1058.399	1058.399	1058.399
5	1030.254	1038.763	1049.890	1065.599	1082.617	1072.145	1069.527	1023.708	1051.854
10	1008.654	1016.508	1030.908	1054.472	1076.727	1064.290	1056.436	1009.963	1035.490
15	977.890	987.708	1005.381	1028.290	1057.745	1043.345	1032.217	982.472	1001.454
20	945.163	954.981	970.036	998.181	1030.254	1013.890	994.254	932.727	936.654
25	909.163	918.981	931.418	960.872	996.218	976.581	939.927	838.472	818.836
30	869.236	874.472	882.981	913.090	951.708	928.799	858.109	674.181	604.145
35	749.454	800.509	833.890	856.145	901.963	871.854	710.836	461.454	386.836
40	619.854	656.509	775.636	799.199	845.018	797.890	525.600	267.709	396.654
45	511.854	546.545	655.200	733.745	776.945	710.181	334.472	174.764	166.254
50	415.636	441.818	525.600	655.200	710.181	595.636	306.982	144.654	142.691
55	334.472	350.836	415.636	577.963	630.327	443.127	138.764	123.054	126.982
60	257.236	276.218	319.418	468.000	546.545	270.327	112.582	115.854	123.054
65	191.782	202.909	235.636	332.509	449.672	151.854	97.527	108.654	114.545
70	124.364	132.218	163.636	216.000	352.145	82.473	87.709	92.945	94.254
75	71.345	76.582	93.600	130.909	246.109	59.564	69.382	70.036	68.727
80	28.145	34.036	41.891	61.527	126.327	45.164	43.855	42.545	40.582
85	0.000	1.309	5.236	12.436	22.909	16.364	15.709	13.745	15.055
90	0.000	0.000	0.000	0.000	0.000	0.000	0.655	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PXX-62-6-00-L4-835-S-XXXX-XXXX-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	386.75	N.A.	16.30
0-30	812.20	N.A.	34.20
0-40	1281.44	N.A.	53.90
0-60	2029.47	N.A.	85.40
0-80	2354.65	N.A.	99.10
0-90	2375.76	N.A.	100.00
10-90	2275.48	N.A.	95.80
20-40	894.69	N.A.	37.70
20-50	1313.63	N.A.	55.30
40-70	964.47	N.A.	40.60
60-80	325.18	N.A.	13.70
70-80	108.74	N.A.	4.60
80-90	21.11	N.A.	0.90
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	2375.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.28
10-20	286.47
20-30	425.45
30-40	469.24
40-50	418.94
50-60	329.08
60-70	216.44
70-80	108.74
80-90	21.11
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	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	74	69	66	64
4	86	75	66	60	83	73	66	60	71	64	59	69	63	58	66	61	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	53	46	72	60	52	46	58	51	46	57	50	46	55	49	45	43
7	68	56	47	41	67	55	47	41	53	46	41	52	46	41	51	45	41	39
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	38	33	32
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29

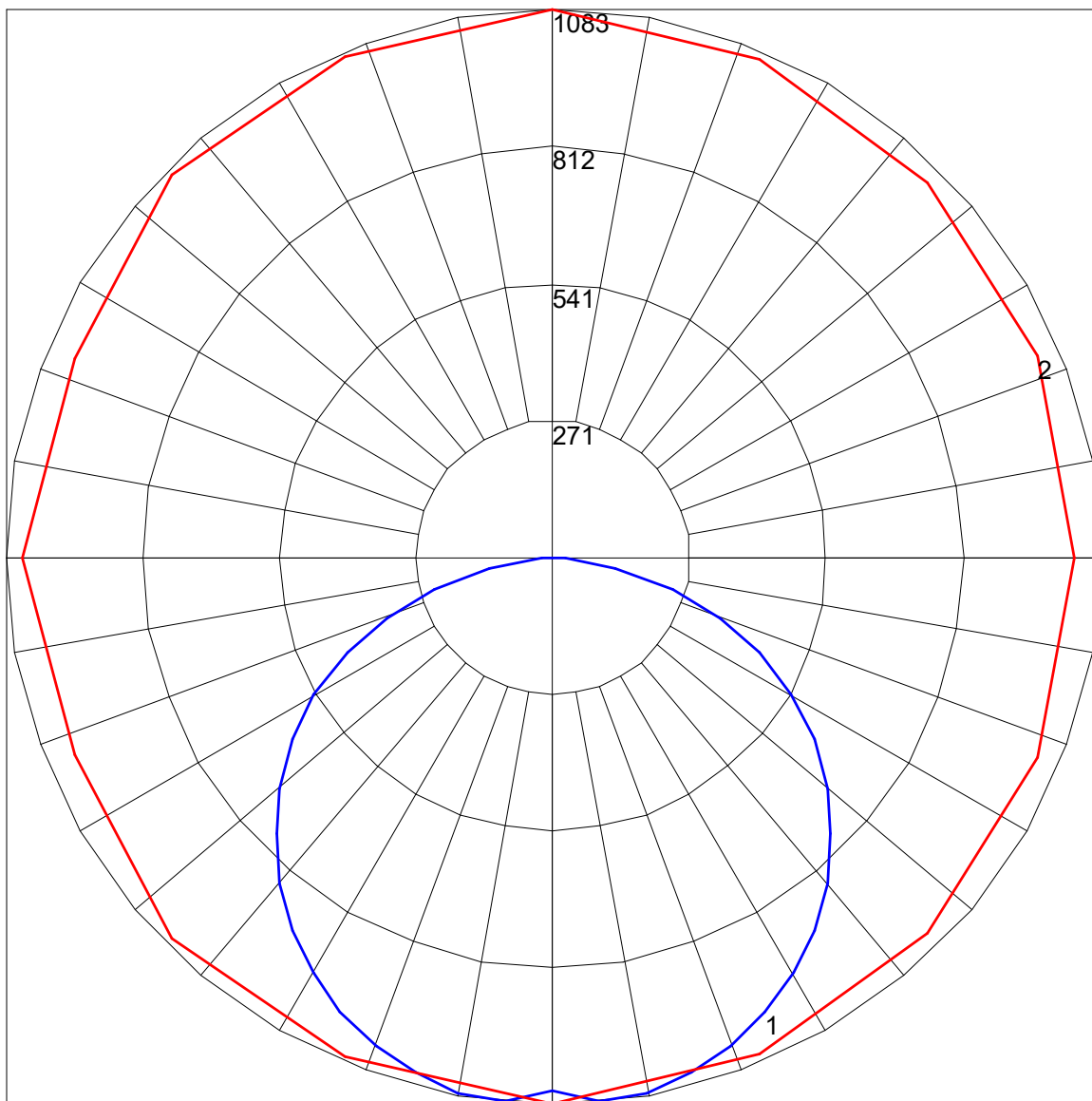
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UGR TABLE - CORRECTED

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	14.0	15.5	14.4	15.8	16.1	16.9	18.4	17.3	18.7	19.1
	3H	15.1	16.5	15.5	16.8	17.2	18.6	20.0	19.0	20.3	20.6
	4H	15.4	16.7	15.8	17.1	17.4	19.3	20.6	19.7	21.0	21.3
	6H	15.6	16.7	16.0	17.1	17.5	19.8	21.0	20.3	21.4	21.8
	8H	15.5	16.7	16.0	17.1	17.5	20.0	21.1	20.4	21.5	21.9
	12H	15.5	16.6	16.0	17.0	17.4	20.0	21.1	20.4	21.4	21.9
4H	2H	14.7	16.0	15.1	16.3	16.7	16.9	18.2	17.3	18.6	18.9
	3H	16.0	17.0	16.4	17.4	17.8	18.8	19.8	19.2	20.2	20.6
	4H	16.3	17.3	16.8	17.7	18.1	19.5	20.5	19.9	20.9	21.3
	6H	16.5	17.3	17.0	17.8	18.2	20.1	20.9	20.6	21.4	21.8
	8H	16.5	17.3	17.0	17.7	18.2	20.3	21.1	20.7	21.5	22.0
	12H	16.5	17.2	17.0	17.7	18.1	20.3	21.0	20.8	21.5	22.0
8H	4H	16.6	17.4	17.1	17.8	18.3	19.5	20.3	20.0	20.7	21.2
	6H	16.8	17.5	17.3	17.9	18.4	20.1	20.8	20.6	21.3	21.7
	8H	16.8	17.4	17.3	17.9	18.4	20.3	20.9	20.8	21.4	21.9
	12H	16.8	17.3	17.3	17.8	18.4	20.4	20.9	20.9	21.4	22.0
12H	4H	16.6	17.3	17.1	17.8	18.3	19.5	20.2	20.0	20.7	21.1
	6H	16.8	17.4	17.4	17.9	18.4	20.1	20.7	20.6	21.1	21.7
	8H	16.9	17.4	17.4	17.9	18.4	20.3	20.8	20.8	21.3	21.9

Maximum UGR = 22.0

POLAR GRAPH



Maximum Candela = 1082.617 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)