



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-44-03-08-L7-8TW-W-XXXX-XXXX-DIM 4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]GEN from BALLABS TEST NO. 20130.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUE DATE] 22-NOV-2017  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO  
 [LUMINAIRE] 2-56 LED 22"ARRAYS 4'RECESSED PERIMETER CONTINUOUS PX  
 [MORE] WHITE REFLECTOR w/FROSTED ACRYLIC LENS  
 [LUMCAT] PXF-44-03-08-L7-8TW-W-xxxx-xxxx-DIM 4000k

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2198
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	25.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	0.94
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	3.69 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2752	3966	10708
55	2398	2880	8927
65	1864	2462	6941
75	1386	1703	4611
85	337	202	1349

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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>
<b>0</b>	1483.012	1483.012	1483.012	1483.012	1483.012	1483.012	1483.012	1483.012	1483.012
<b>5</b>	1486.369	1523.293	1518.594	1507.852	1509.195	1513.223	1493.754	1472.271	1466.228
<b>10</b>	1495.768	1531.349	1531.349	1513.894	1499.125	1495.096	1450.116	1328.602	1315.175
<b>15</b>	1464.886	1505.167	1512.552	1505.167	1470.257	1452.801	1284.964	986.885	900.280
<b>20</b>	1331.287	1387.009	1453.473	1466.900	1410.506	1360.826	891.553	591.459	510.226
<b>25</b>	1031.865	1082.888	1344.714	1405.136	1335.315	1225.885	583.403	409.524	364.543
<b>30</b>	569.976	682.092	1126.525	1322.560	1247.368	1023.809	428.321	312.178	275.254
<b>35</b>	348.431	421.608	801.592	1215.815	1126.525	778.766	334.332	239.672	236.315
<b>40</b>	242.357	290.023	502.841	1086.244	992.927	553.864	255.113	234.301	242.357
<b>45</b>	222.217	230.944	320.234	899.609	864.699	388.040	212.818	239.001	237.658
<b>50</b>	186.635	204.762	214.832	667.993	726.401	279.953	210.804	228.930	214.832
<b>55</b>	157.096	164.481	188.649	426.979	584.746	208.119	197.377	195.363	185.293
<b>60</b>	122.857	125.542	151.725	242.357	454.504	149.040	169.180	153.739	151.725
<b>65</b>	89.961	93.318	118.829	146.354	335.004	138.298	138.969	118.829	113.458
<b>70</b>	61.764	63.107	81.905	111.444	223.560	118.829	100.031	85.261	74.520
<b>75</b>	40.952	40.281	50.351	69.149	136.284	84.590	64.450	53.037	46.323
<b>80</b>	18.798	18.798	24.169	34.239	67.135	43.638	33.568	26.183	20.141
<b>85</b>	3.357	1.343	2.014	10.070	13.427	11.413	9.399	8.056	3.357
<b>90</b>	0.000	0.000	0.000	0.671	1.343	0.671	0.000	0.000	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : PXF-44-03-08-L7-8TW-W-XXXX-XXXX-DIM 4000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	519.94	N.A.	23.70
0-30	982.01	N.A.	44.70
0-40	1394.15	N.A.	63.40
0-60	1963.19	N.A.	89.30
0-80	2184.8	N.A.	99.40
0-90	2197.99	N.A.	100.00
10-90	2056.02	N.A.	93.50
20-40	874.21	N.A.	39.80
20-50	1203.37	N.A.	54.70
40-70	718.04	N.A.	32.70
60-80	221.60	N.A.	10.10
70-80	72.61	N.A.	3.30
80-90	13.20	N.A.	0.60
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	2197.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

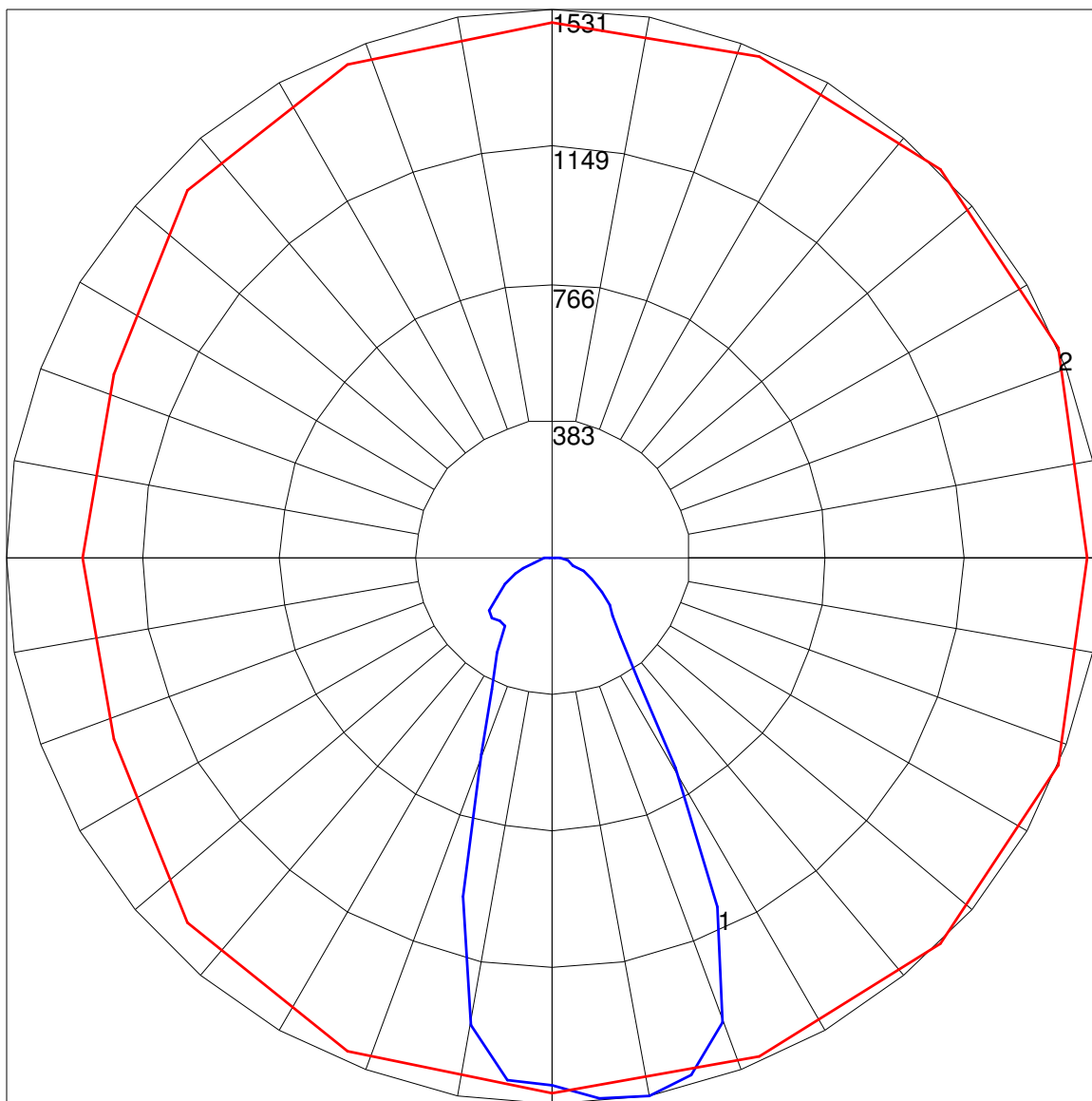
Zone	Lumens
0-10	141.97
10-20	377.97
20-30	462.07
30-40	412.14
40-50	329.15
50-60	239.89
60-70	149.00
70-80	72.61
80-90	13.20
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	200	200	200	200	195	195	195	195	186	186	186	178	178	178	171	171	171	168
1	186	180	174	169	182	176	171	166	169	165	161	163	159	156	157	154	152	148
2	173	161	152	144	169	158	150	143	153	146	139	147	141	136	143	138	133	130
3	160	146	134	125	157	143	133	124	138	129	122	134	126	120	130	124	118	115
4	149	132	120	110	146	130	118	110	126	116	108	122	114	107	119	112	105	102
5	139	121	108	98	136	119	107	98	115	105	97	112	103	96	109	101	95	92
6	130	111	98	88	127	109	97	88	106	95	87	104	94	87	101	93	86	83
7	122	102	89	80	119	101	89	80	98	87	79	96	86	79	94	85	78	76
8	114	95	82	73	112	93	81	73	91	81	73	89	80	72	88	79	72	69
9	108	88	76	68	106	87	75	67	85	75	67	84	74	67	82	73	66	64
10	102	82	70	62	100	81	70	62	80	69	62	78	69	62	77	68	62	59

POLAR GRAPH



Maximum Candela = 1531.349 Located At Horizontal Angle = 22.5, Vertical Angle = 10  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)