



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-64-03-08-L7-8TW-W-XXXX-XXXX-DIM 4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]GEN from BALLABS TEST NO. 20133.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUE DATE] 01-DEC-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-64-03'08-L7-8TW-W-xxxx-xxxx-DIM 4000K

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2400
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	25.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.00
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	3.71 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3680	6702	6983
55	2066	3641	5602
65	1686	2076	4276
75	1289	1492	2665
85	1075	860	774

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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>	1469.862	1469.862	1469.862	1469.862	1469.862	1469.862	1469.862	1469.862	1469.862
<b>5</b>	1489.254	1512.523	1506.060	1487.315	1471.802	1484.083	1464.045	1443.361	1443.361
<b>10</b>	1502.181	1517.694	1513.816	1494.425	1458.874	1458.228	1425.262	1350.929	1361.917
<b>15</b>	1471.155	1487.315	1489.900	1476.326	1432.373	1409.103	1306.975	1095.610	1071.048
<b>20</b>	1383.248	1398.115	1425.909	1433.665	1382.601	1330.245	1022.569	615.998	517.102
<b>25</b>	1259.143	1282.413	1345.758	1369.028	1319.903	1214.543	636.682	352.276	311.554
<b>30</b>	1113.708	1143.442	1246.216	1286.291	1239.106	1071.048	378.131	228.818	200.377
<b>35</b>	974.091	1013.520	1111.769	1180.932	1127.282	837.059	250.148	136.386	133.800
<b>40</b>	756.262	853.218	955.346	1056.827	989.604	586.264	148.020	129.276	132.507
<b>45</b>	448.586	528.737	817.021	916.563	851.279	371.667	118.933	129.276	132.507
<b>50</b>	291.516	307.676	625.693	776.299	705.844	223.000	116.348	129.276	132.507
<b>55</b>	204.255	199.084	360.032	645.731	553.946	125.397	113.762	127.983	129.922
<b>60</b>	168.705	166.765	209.426	510.638	421.438	86.615	108.591	122.812	116.348
<b>65</b>	122.812	126.690	151.252	379.424	311.554	80.151	101.481	105.360	97.603
<b>70</b>	84.029	84.675	105.360	190.035	204.255	71.102	84.675	80.797	76.273
<b>75</b>	57.528	53.649	66.577	81.444	118.933	60.759	60.759	52.357	52.357
<b>80</b>	35.551	28.441	36.844	37.490	53.003	36.844	36.197	28.441	31.026
<b>85</b>	16.159	9.049	12.928	9.049	11.635	10.988	13.574	6.464	9.049
<b>90</b>	1.293	0.646	0.646	2.586	2.586	1.293	2.586	0.000	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : PXF-64-03-08-L7-8TW-W-XXXX-XXXX-DIM 4000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	519.48	N.A.	21.60
0-30	999.78	N.A.	41.70
0-40	1484.77	N.A.	61.90
0-60	2141.07	N.A.	89.20
0-80	2383.58	N.A.	99.30
0-90	2399.71	N.A.	100.00
10-90	2259.42	N.A.	94.20
20-40	965.28	N.A.	40.20
20-50	1357.76	N.A.	56.60
40-70	823.33	N.A.	34.30
60-80	242.51	N.A.	10.10
70-80	75.49	N.A.	3.10
80-90	16.13	N.A.	0.70
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	2399.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

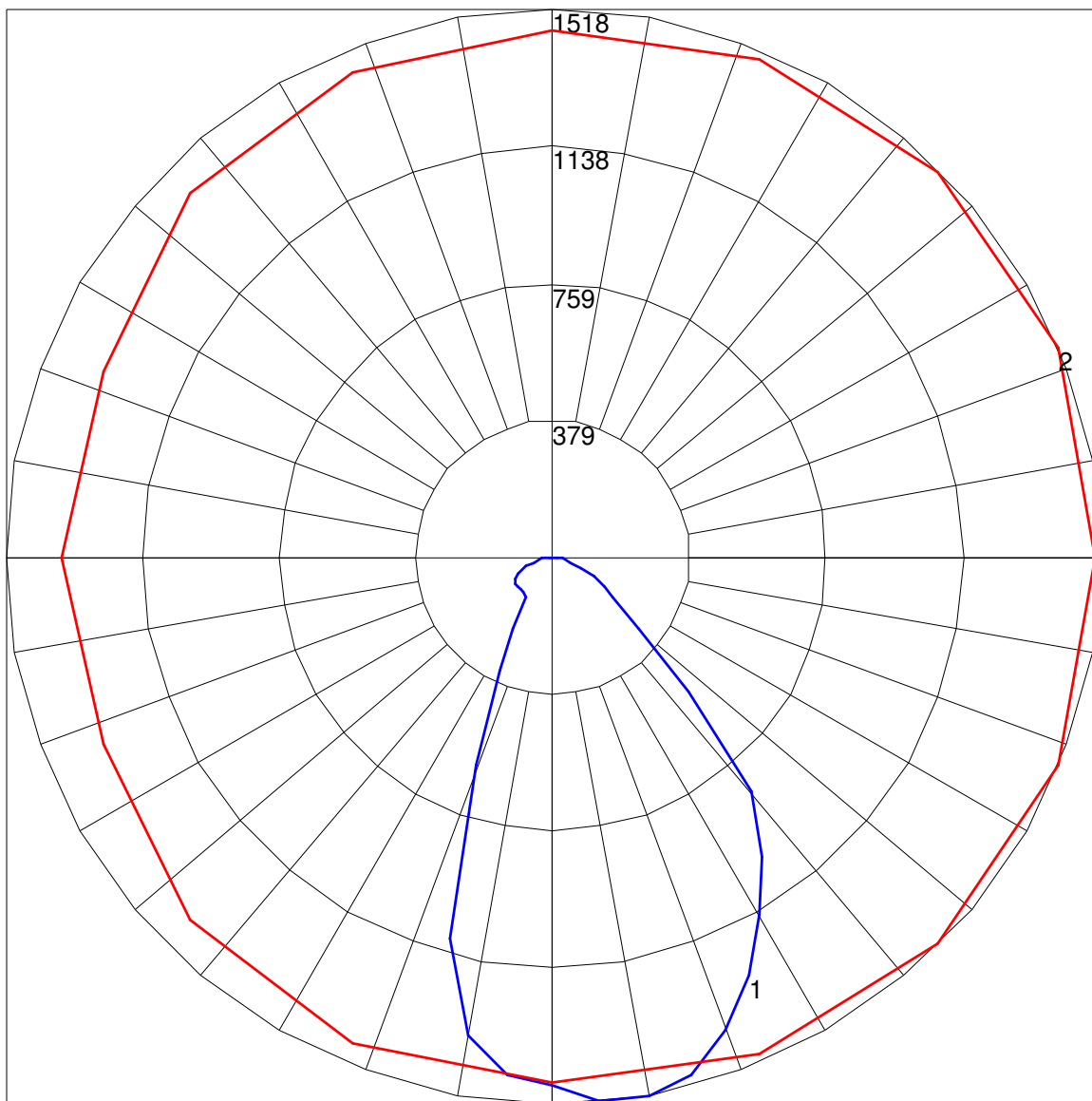
Zone	Lumens
0-10	140.28
10-20	379.20
20-30	480.30
30-40	484.99
40-50	392.47
50-60	263.83
60-70	167.02
70-80	75.49
80-90	16.13
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	77	77	77	77	75	75	75	75	72	72	72	69	69	69	66	66	66	65
1	72	69	67	65	70	68	66	64	65	63	62	63	61	60	60	59	58	57
2	66	62	58	55	65	61	57	55	59	56	53	57	54	52	55	53	51	50
3	62	56	51	48	60	55	51	47	53	49	47	51	48	46	50	47	45	44
4	57	50	46	42	56	50	45	42	48	44	41	47	43	41	45	42	40	39
5	53	46	41	37	52	45	41	37	44	40	37	43	39	36	42	38	36	35
6	50	42	37	33	48	41	37	33	40	36	33	39	36	33	38	35	32	31
7	46	39	34	30	45	38	33	30	37	33	30	36	32	30	36	32	29	28
8	44	36	31	27	43	35	31	27	34	30	27	34	30	27	33	30	27	26
9	41	33	28	25	40	33	28	25	32	28	25	31	28	25	31	27	25	24
10	39	31	26	23	38	31	26	23	30	26	23	29	26	23	29	25	23	22

POLAR GRAPH



Maximum Candela = 1517.694 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.)