



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-44-03-08-P6-8TW-W-XXXX-XXXX-POE 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 LED 22" ARRAYS 4' RECESSED PERIMETER CONTINUOUS PX

[MORE] WHITE REFLECTOR w/FROSTED ACRYLIC LENS

[LUMCAT] PXF-44-03-08-P6-8TW-W-xxxx-xxxx-PoE 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1776
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	19.1
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	2224	3205	8653
55	1938	2327	7214
65	1506	1990	5609
75	1120	1377	3726
85	273	164	1090

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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	1198.474	1198.474	1198.474	1198.474	1198.474	1198.474	1198.474	1198.474	1198.474
5	1201.186	1231.026	1227.228	1218.548	1219.633	1222.888	1207.154	1189.793	1184.910
10	1208.782	1237.536	1237.536	1223.430	1211.495	1208.239	1171.889	1073.689	1062.838
15	1183.825	1216.377	1222.345	1216.377	1188.165	1174.059	1038.424	797.536	727.548
20	1075.859	1120.890	1174.602	1185.453	1139.879	1099.731	720.495	477.979	412.331
25	833.886	875.119	1086.710	1135.539	1079.114	990.680	471.468	330.950	294.600
30	460.617	551.222	910.384	1068.806	1008.042	827.375	346.141	252.282	222.442
35	281.579	340.716	647.794	982.542	910.384	629.348	270.186	193.687	190.975
40	195.857	234.378	406.363	877.832	802.418	447.596	206.166	189.347	195.857
45	179.581	186.634	258.792	727.005	698.793	313.589	171.986	193.145	192.060
50	150.826	165.475	173.613	539.828	587.030	226.240	170.358	185.007	173.613
55	126.955	132.923	152.454	345.056	472.553	168.188	159.507	157.879	149.741
60	99.285	101.455	122.614	195.857	367.300	120.444	136.720	124.242	122.614
65	72.701	75.413	96.030	118.274	270.728	111.763	112.306	96.030	91.689
70	49.914	50.999	66.190	90.062	180.666	96.030	80.839	68.903	60.222
75	33.095	32.552	40.691	55.882	110.136	68.360	52.084	42.861	37.435
80	15.191	15.191	19.531	27.670	54.254	35.265	27.127	21.159	16.276
85	2.713	1.085	1.628	8.138	10.851	9.223	7.596	6.510	2.713
90	0.000	0.000	0.000	0.543	1.085	0.543	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	420.18	N.A.	23.70
0-30	793.59	N.A.	44.70
0-40	1126.66	N.A.	63.40
0-60	1586.52	N.A.	89.30
0-80	1765.61	N.A.	99.40
0-90	1776.27	N.A.	100.00
10-90	1661.54	N.A.	93.50
20-40	706.48	N.A.	39.80
20-50	972.48	N.A.	54.70
40-70	580.27	N.A.	32.70
60-80	179.09	N.A.	10.10
70-80	58.68	N.A.	3.30
80-90	10.66	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	1776.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.73
10-20	305.45
20-30	373.41
30-40	333.07
40-50	266.00
50-60	193.86
60-70	120.41
70-80	58.68
80-90	10.66
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PXF-44-03-08-P6-8TW-W-XXXX-XXXX-POE 4000K.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

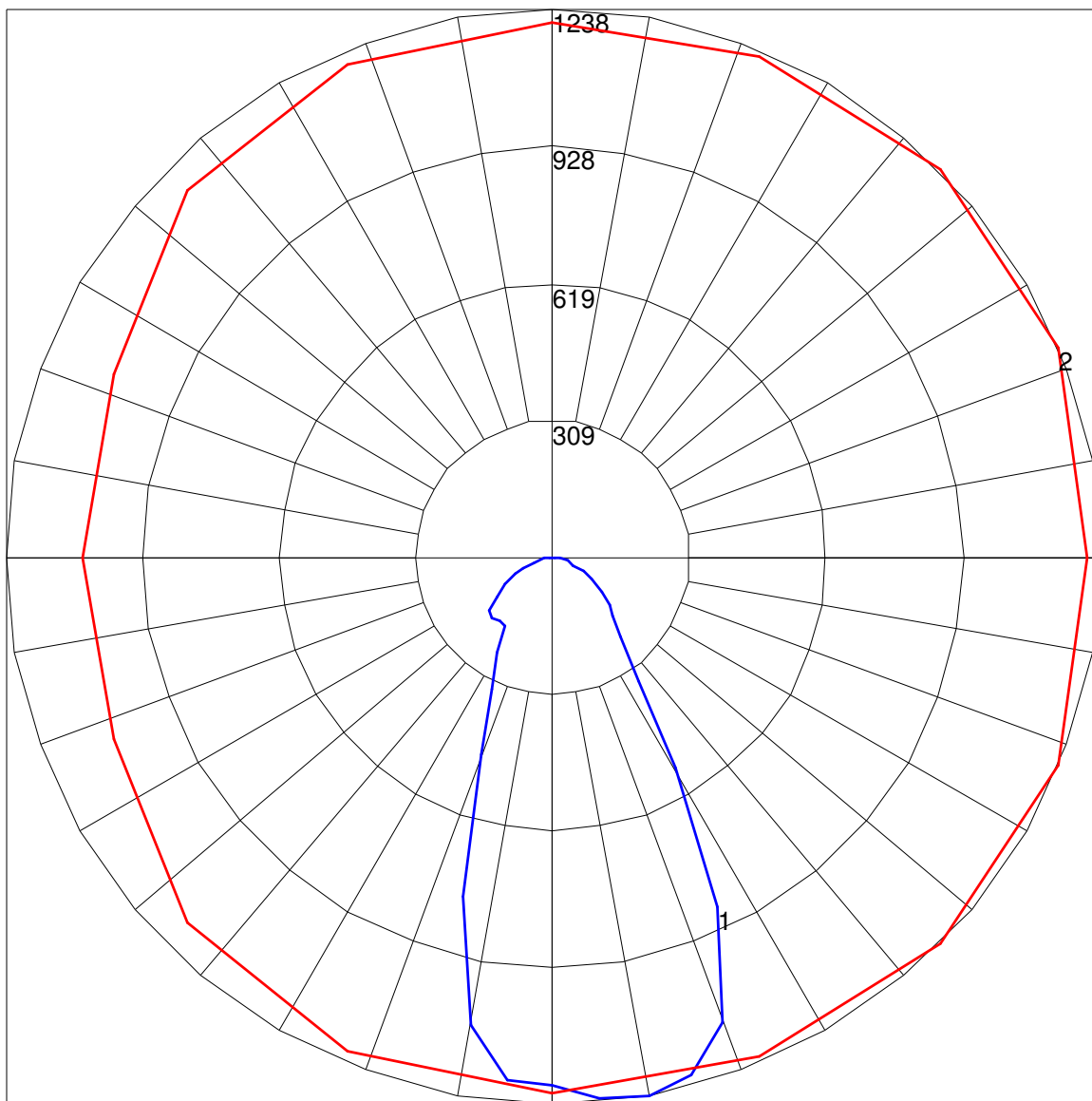
Effective Floor Cavity Reflectance 0.20

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	96	96	96	96	94	94	94	94	90	90	90	86	86	86	82	82	82	81
1	90	87	84	81	88	85	82	80	81	79	78	78	77	75	76	74	73	71
2	83	78	73	69	81	76	72	69	74	70	67	71	68	66	69	66	64	63
3	77	70	65	60	75	69	64	60	67	62	59	65	61	58	63	59	57	55
4	72	64	58	53	70	63	57	53	61	56	52	59	55	51	57	54	51	49
5	67	58	52	47	65	57	51	47	56	51	47	54	50	46	53	49	46	44
6	63	53	47	43	61	53	47	42	51	46	42	50	45	42	49	45	41	40
7	59	49	43	39	57	49	43	39	47	42	38	46	42	38	45	41	38	36
8	55	46	39	35	54	45	39	35	44	39	35	43	38	35	42	38	35	33
9	52	42	36	33	51	42	36	32	41	36	32	40	36	32	39	35	32	31
10	49	40	34	30	48	39	34	30	38	33	30	38	33	30	37	33	30	28

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POLAR GRAPH



Maximum Candela = 1237.536 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.)