



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-64-03-08-P11-8TW-W-XXXX-XXXX-POE 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

[ISSUEDATE] 01-DEC-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-64-03'08-P11-8TW-W-xxxx-xxxx-PoE 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3670
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	38.2
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	5627	10248	10678
55	3159	5567	8566
65	2578	3174	6539
75	1971	2282	4076
85	1644	1316	1184

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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	2247.665	2247.665	2247.665	2247.665	2247.665	2247.665	2247.665	2247.665	2247.665
5	2277.317	2312.900	2303.016	2274.352	2250.630	2269.410	2238.769	2207.140	2207.140
10	2297.086	2320.808	2314.877	2285.225	2230.862	2229.873	2179.464	2065.796	2082.599
15	2249.642	2274.352	2278.306	2257.549	2190.336	2154.753	1998.583	1675.370	1637.810
20	2115.217	2137.950	2180.452	2192.313	2114.228	2034.166	1563.679	941.963	790.735
25	1925.440	1961.023	2057.888	2093.471	2018.352	1857.239	973.593	538.688	476.418
30	1703.046	1748.513	1905.672	1966.954	1894.799	1637.810	578.225	349.900	306.410
35	1489.547	1549.841	1700.081	1805.842	1723.803	1280.003	382.518	208.556	204.603
40	1156.450	1304.713	1460.883	1616.065	1513.269	896.496	226.348	197.684	202.626
45	685.963	808.527	1249.362	1401.578	1301.748	568.341	181.869	197.684	202.626
50	445.777	470.487	956.790	1187.091	1079.354	341.005	177.915	197.684	202.626
55	312.340	304.433	550.549	987.431	847.075	191.753	173.962	195.707	198.672
60	257.977	255.012	320.248	780.851	644.449	132.448	166.054	187.800	177.915
65	187.800	193.730	231.290	580.202	476.418	122.564	155.182	161.112	149.251
70	128.494	129.483	161.112	290.595	312.340	108.726	129.483	123.552	116.633
75	87.969	82.039	101.807	124.541	181.869	92.911	92.911	80.062	80.062
80	54.363	43.490	56.340	57.328	81.050	56.340	55.351	43.490	47.444
85	24.710	13.838	19.768	13.838	17.792	16.803	20.757	9.884	13.838
90	1.977	0.988	0.988	3.954	3.954	1.977	3.954	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	794.37	N.A.	21.60
0-30	1528.83	N.A.	41.70
0-40	2270.45	N.A.	61.90
0-60	3274.06	N.A.	89.20
0-80	3644.89	N.A.	99.30
0-90	3669.55	N.A.	100.00
10-90	3455.04	N.A.	94.20
20-40	1476.08	N.A.	40.20
20-50	2076.24	N.A.	56.60
40-70	1259.00	N.A.	34.30
60-80	370.83	N.A.	10.10
70-80	115.43	N.A.	3.10
80-90	24.66	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	3669.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	214.52
10-20	579.86
20-30	734.45
30-40	741.63
40-50	600.16
50-60	403.45
60-70	255.40
70-80	115.43
80-90	24.66
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

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

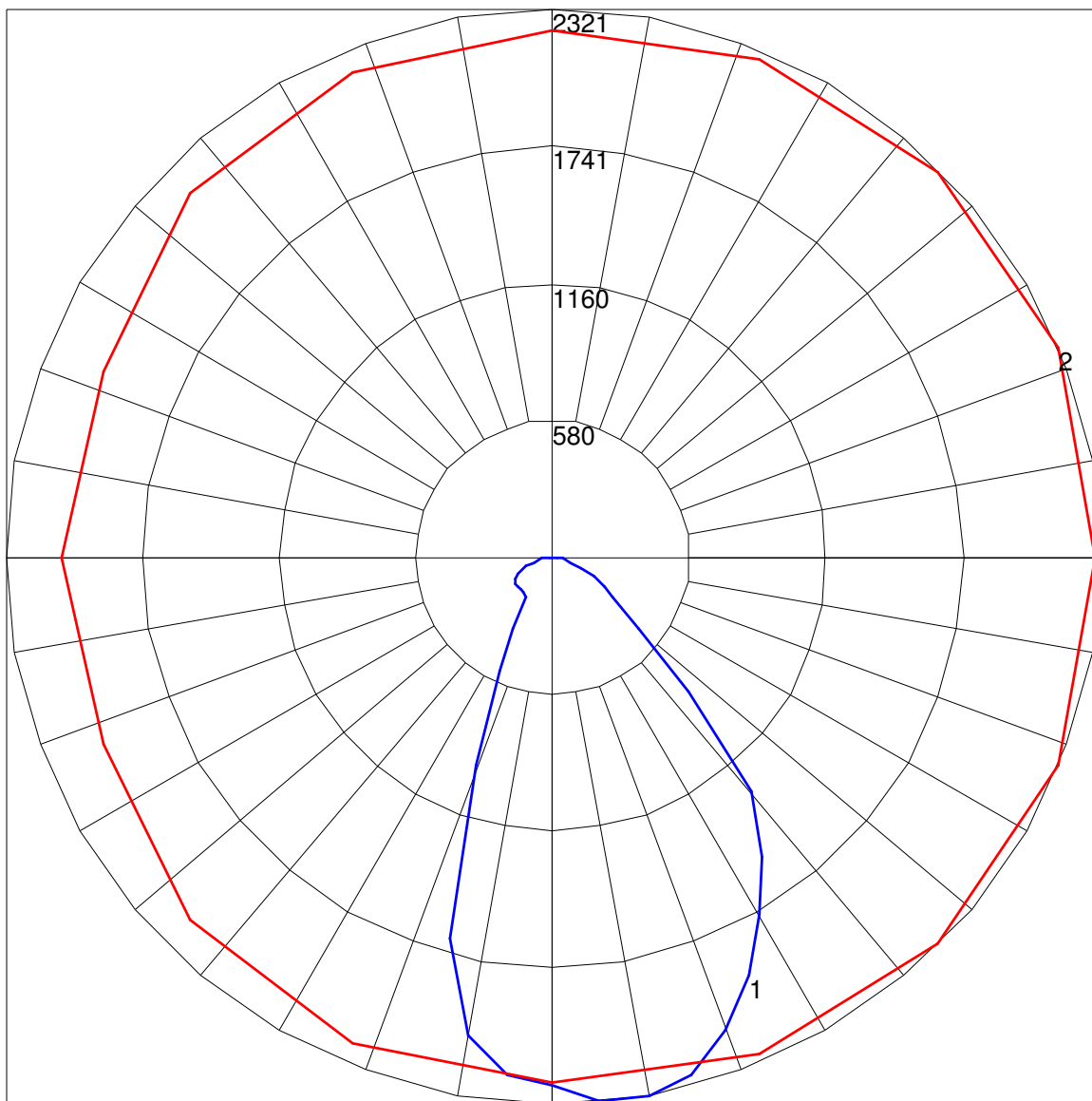
Effective Floor Cavity Reflectance 0.20

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	182	182	182	182	178	178	178	178	170	170	170	163	163	163	156	156	156	153
1	170	164	158	154	166	160	155	151	154	150	146	148	145	142	143	140	138	135
2	157	147	138	131	153	144	136	129	139	132	126	134	128	123	129	125	121	118
3	146	132	121	113	142	130	120	112	125	117	110	121	114	108	118	112	107	104
4	135	119	108	99	132	117	107	98	114	105	97	110	102	96	107	100	95	92
5	126	109	97	88	123	107	96	87	104	94	87	101	93	86	98	91	85	82
6	117	99	87	79	115	98	87	78	95	85	78	93	84	77	91	83	77	74
7	110	91	80	71	107	90	79	71	88	78	71	86	77	70	84	76	70	67
8	103	84	73	65	101	83	72	65	82	71	64	80	71	64	78	70	64	61
9	97	78	67	59	95	77	67	59	76	66	59	74	65	59	73	65	59	56
10	91	73	62	55	90	72	62	55	71	61	54	69	61	54	68	60	54	52

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POLAR GRAPH



Maximum Candela = 2320.808 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.)