



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-44-03-08-P11-8TW-W-XXXX-XXXX-POE 4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 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-P11-8TW-W-xxxx-xxxx-PoE 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3237
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	38.2
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	4053	5840	15769
55	3532	4241	13147
65	2745	3626	10222
75	2040	2509	6790
85	497	298	1987

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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	2183.995	2183.995	2183.995	2183.995	2183.995	2183.995	2183.995	2183.995	2183.995
5	2188.939	2243.316	2236.395	2220.576	2222.554	2228.486	2199.814	2168.176	2159.278
10	2202.780	2255.180	2255.180	2229.474	2207.724	2201.791	2135.550	1956.599	1936.825
15	2157.301	2216.622	2227.497	2216.622	2165.210	2139.505	1892.334	1453.360	1325.821
20	1960.553	2042.614	2140.493	2160.267	2077.218	2004.055	1312.968	871.028	751.397
25	1519.602	1594.742	1980.327	2069.308	1966.485	1805.331	859.163	603.095	536.854
30	839.390	1004.499	1659.006	1947.701	1836.968	1507.738	630.778	459.736	405.359
35	513.125	620.891	1180.484	1790.500	1659.006	1146.869	492.363	352.959	348.016
40	356.914	427.110	740.522	1599.685	1462.258	815.661	375.699	345.049	356.914
45	327.253	340.106	471.601	1324.832	1273.420	571.457	313.412	351.970	349.993
50	274.853	301.548	316.378	983.737	1069.752	412.280	310.446	337.140	316.378
55	231.351	242.227	277.819	628.801	861.141	306.491	290.672	287.706	272.876
60	180.929	184.883	223.442	356.914	669.337	219.487	249.147	226.408	223.442
65	132.483	137.427	174.996	215.532	493.352	203.668	204.657	174.996	167.087
70	90.959	92.936	120.619	164.121	329.231	174.996	147.313	125.562	109.744
75	60.310	59.321	74.151	101.834	200.702	124.574	94.913	78.106	68.219
80	27.683	27.683	35.592	50.423	98.868	64.264	49.434	38.559	29.660
85	4.943	1.977	2.966	14.830	19.774	16.808	13.842	11.864	4.943
90	0.000	0.000	0.000	0.989	1.977	0.989	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	765.70	N.A.	23.70
0-30	1446.18	N.A.	44.70
0-40	2053.13	N.A.	63.40
0-60	2891.15	N.A.	89.30
0-80	3217.5	N.A.	99.40
0-90	3236.93	N.A.	100.00
10-90	3027.85	N.A.	93.50
20-40	1287.43	N.A.	39.80
20-50	1772.17	N.A.	54.70
40-70	1057.44	N.A.	32.70
60-80	326.35	N.A.	10.10
70-80	106.92	N.A.	3.30
80-90	19.43	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	3236.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	209.08
10-20	556.62
20-30	680.48
30-40	606.96
40-50	484.73
50-60	353.28
60-70	219.43
70-80	106.92
80-90	19.43
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-P11-8TW-W-XXXX-XXXX-POE 4000K.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

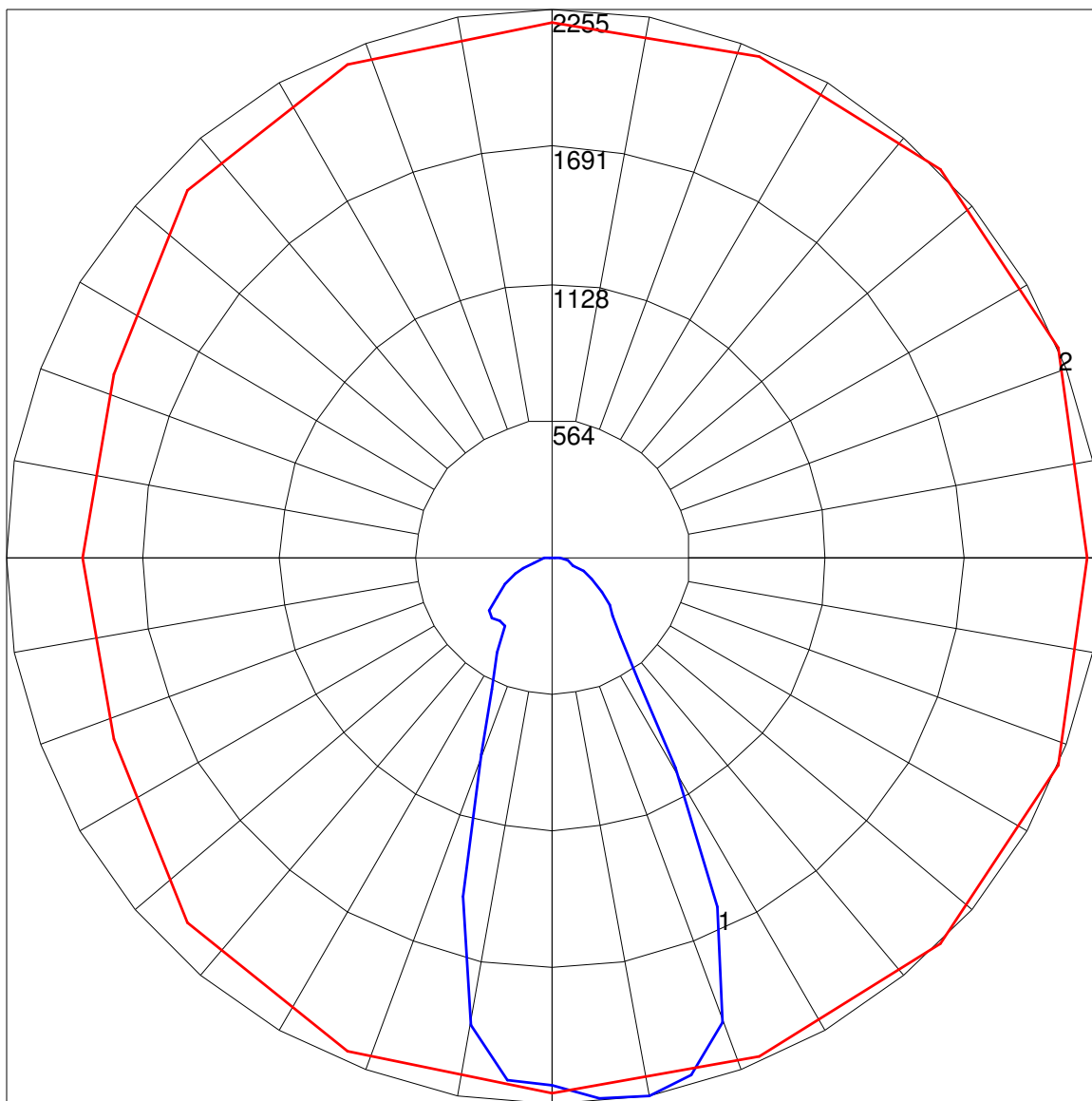
Effective Floor Cavity Reflectance 0.20

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	175	175	175	175	171	171	171	171	164	164	164	157	157	157	150	150	150	147
1	163	158	153	148	160	155	150	146	148	145	141	143	140	137	138	135	133	130
2	152	142	134	127	148	139	132	125	134	128	122	129	124	120	125	121	117	114
3	141	128	118	110	137	126	116	109	121	114	107	118	111	105	114	108	104	101
4	131	116	105	97	128	114	104	96	111	102	95	107	100	94	104	98	93	90
5	122	106	95	86	119	104	94	86	101	92	85	99	90	84	96	89	83	81
6	114	97	86	78	111	96	85	77	93	84	77	91	83	76	89	81	75	73
7	107	90	78	70	105	88	78	70	86	77	70	84	76	69	82	75	69	66
8	100	83	72	64	98	82	72	64	80	71	64	78	70	64	77	69	63	61
9	95	77	66	59	93	76	66	59	75	65	59	73	65	59	72	64	58	56
10	89	72	62	55	88	71	61	55	70	61	55	69	60	54	68	60	54	52

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POLAR GRAPH



Maximum Candela = 2255.18 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.)