



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-42-03-08-P6-8TW-W-XXXX-XXXX-POE 4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20126.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 29-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-42-03'08-P6-8TW-W-xxxx-xxxx-PoE 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2140
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	19.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.12
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.32 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	5078	8922	8964
55	2887	5652	7330
65	1947	2632	5830
75	1387	2120	3334
85	343	1316	858

IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-42-03-08-P6-8TW-W-XXXX-XXXX-POE 4000K.IES

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	1208.744	1208.744	1208.744	1208.744	1208.744	1208.744	1208.744	1208.744	1208.744
5	1221.450	1227.527	1227.527	1219.793	1224.765	1217.583	1191.066	1170.073	1160.682
10	1201.562	1234.157	1233.604	1221.450	1221.450	1196.038	1146.318	1104.885	1090.521
15	1157.367	1217.583	1211.506	1209.849	1201.562	1144.661	1059.585	956.278	929.208
20	1074.501	1165.654	1160.682	1179.465	1160.682	1077.263	935.285	761.818	697.735
25	972.299	1101.018	1097.703	1126.983	1095.493	1002.683	782.259	577.302	488.912
30	855.181	1005.998	1014.837	1053.508	1021.466	896.614	625.365	399.416	341.409
35	729.777	885.565	921.474	968.984	930.313	745.245	448.031	280.641	250.256
40	563.491	717.070	826.454	875.069	820.930	623.708	319.312	212.138	185.621
45	397.759	504.380	698.840	759.608	702.154	501.065	235.893	157.999	135.901
50	266.830	319.312	533.107	633.652	581.170	375.108	172.362	116.013	95.573
55	183.411	220.425	359.088	514.324	465.709	270.144	116.013	87.286	88.943
60	122.642	155.236	212.138	394.444	365.717	177.334	76.790	82.866	80.104
65	91.153	104.964	123.195	288.927	272.907	103.307	70.160	71.818	65.741
70	65.741	87.286	81.209	191.145	176.782	58.559	63.531	53.034	49.167
75	39.776	60.769	60.769	100.545	95.573	41.986	44.748	33.147	28.727
80	17.126	37.014	33.699	44.748	45.853	27.070	20.440	12.706	8.287
85	3.315	17.678	12.706	17.678	8.287	6.629	4.420	2.762	1.105
90	1.657	1.657	0.000	1.657	1.657	1.657	1.105	1.105	1.105

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PXF-42-03-08-P6-8TW-W-XXXX-XXXX-POE 4000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	431.12	N.A.	20.10
0-30	862.32	N.A.	40.30
0-40	1306.18	N.A.	61.00
0-60	1921.36	N.A.	89.80
0-80	2126.53	N.A.	99.40
0-90	2139.77	N.A.	100.00
10-90	2025.14	N.A.	94.60
20-40	875.06	N.A.	40.90
20-50	1244.22	N.A.	58.10
40-70	756.20	N.A.	35.30
60-80	205.17	N.A.	9.60
70-80	64.15	N.A.	3.00
80-90	13.24	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	2139.77	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.64
10-20	316.49
20-30	431.19
30-40	443.86
40-50	369.16
50-60	246.02
60-70	141.02
70-80	64.15
80-90	13.24
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-42-03-08-P6-8TW-W-XXXX-XXXX-POE 4000K.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

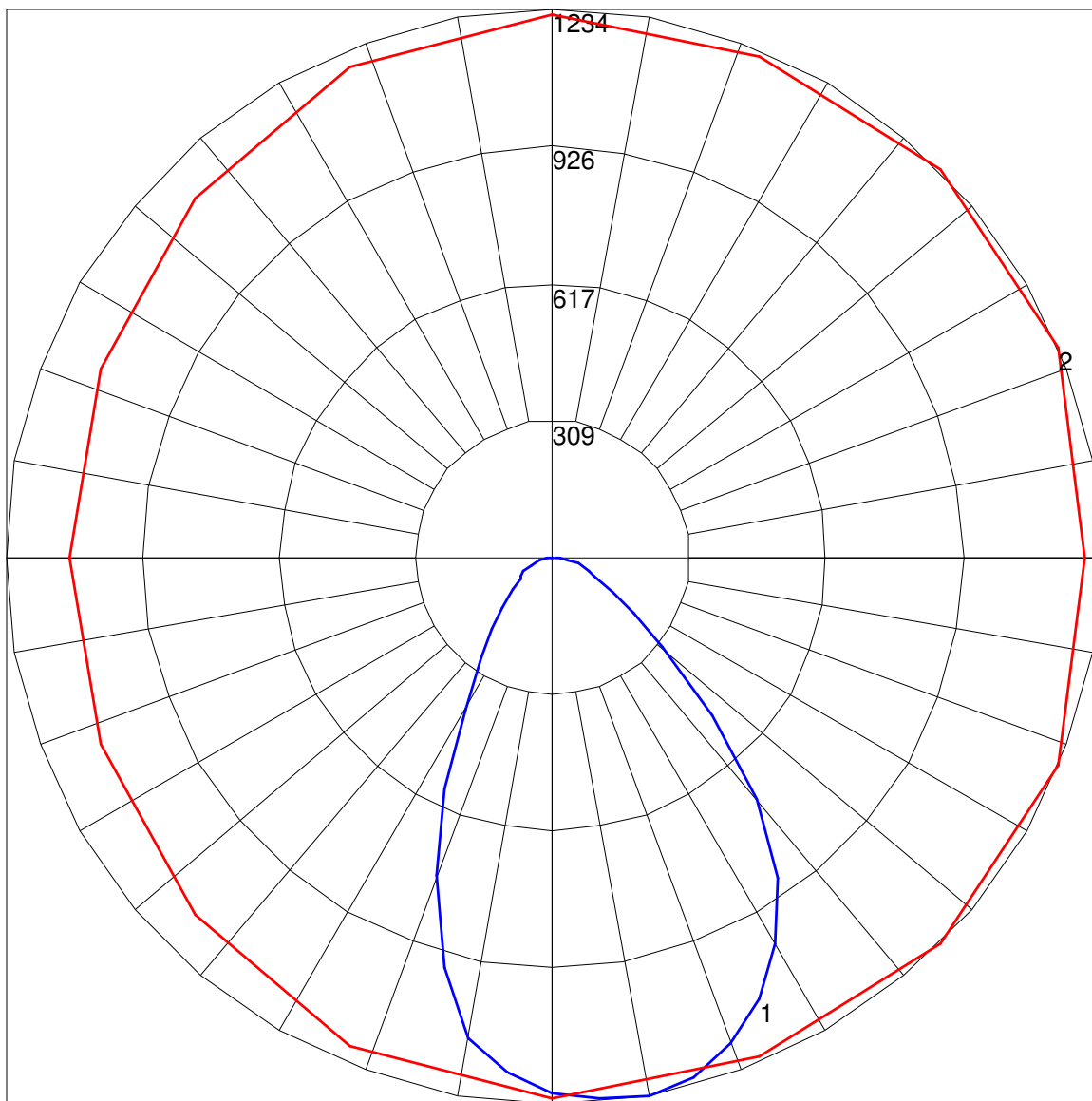
Effective Floor Cavity Reflectance 0.20

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	101	101	101	101	99	99	99	99	94	94	94	90	90	90	86	86	86	85
1	94	91	88	85	92	89	86	84	85	83	81	82	80	79	79	78	76	75
2	87	81	76	72	85	80	75	72	77	73	70	74	71	68	72	69	67	65
3	81	73	67	62	79	72	66	62	69	65	61	67	63	60	65	62	59	57
4	75	66	60	55	73	65	59	54	63	58	54	61	57	53	59	55	52	51
5	69	60	53	48	68	59	53	48	57	52	48	56	51	47	54	50	47	45
6	65	55	48	43	63	54	48	43	52	47	43	51	46	42	50	45	42	40
7	60	50	44	39	59	50	43	39	48	43	39	47	42	38	46	42	38	37
8	57	46	40	35	55	46	40	35	45	39	35	44	39	35	43	38	35	33
9	53	43	37	32	52	42	36	32	41	36	32	41	36	32	40	35	32	30
10	50	40	34	30	49	39	34	30	39	33	29	38	33	29	37	33	29	28

IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-42-03-08-P6-8TW-W-XXXX-XXXX-POE 4000K.IES

POLAR GRAPH



Maximum Candela = 1234.157 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.)