



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-64-03-08-P6-8TW-W-XXXX-XXXX-POE 4000K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 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 LED 22" ARRAYS 4' RECESSED PERIMETER CONTINUOUS PX

[MORE] WHITE REFLECTOR w/FROSTED ACRYLIC LENS

[LUMCAT] PXF-64-03'08-P6-8TW-W-xxxx-xxxx-PoE 4000k

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2015
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	19.1
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	3089	5626	5862
55	1734	3057	4703
65	1415	1743	3590
75	1082	1253	2238
85	903	722	650

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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>	1233.968	1233.968	1233.968	1233.968	1233.968	1233.968	1233.968	1233.968	1233.968
<b>5</b>	1250.247	1269.782	1264.356	1248.619	1235.596	1245.906	1229.084	1211.720	1211.720
<b>10</b>	1261.100	1274.123	1270.868	1254.588	1224.743	1224.200	1196.526	1134.122	1143.347
<b>15</b>	1235.053	1248.619	1250.790	1239.394	1202.495	1182.960	1097.222	919.778	899.158
<b>20</b>	1161.254	1173.735	1197.068	1203.580	1160.711	1116.757	858.460	517.138	434.114
<b>25</b>	1057.067	1076.602	1129.781	1149.316	1108.075	1019.624	534.502	295.740	261.553
<b>30</b>	934.972	959.934	1046.214	1079.858	1040.245	899.158	317.446	192.095	168.219
<b>35</b>	817.761	850.863	933.344	991.407	946.368	702.721	210.002	114.497	112.327
<b>40</b>	634.891	716.287	802.025	887.220	830.785	492.176	124.265	108.528	111.242
<b>45</b>	376.594	443.881	685.899	769.466	714.660	312.019	99.846	108.528	111.242
<b>50</b>	244.732	258.298	525.277	651.713	592.565	187.211	97.676	108.528	111.242
<b>55</b>	171.475	167.134	302.252	542.099	465.044	105.273	95.505	107.443	109.071
<b>60</b>	141.630	140.002	175.816	428.687	353.803	72.714	91.164	103.102	97.676
<b>65</b>	103.102	106.358	126.978	318.531	261.553	67.288	85.195	88.451	81.939
<b>70</b>	70.543	71.086	88.451	159.537	171.475	59.691	71.086	67.830	64.032
<b>75</b>	48.295	45.039	55.892	68.373	99.846	51.008	51.008	43.954	43.954
<b>80</b>	29.845	23.876	30.931	31.473	44.497	30.931	30.388	23.876	26.047
<b>85</b>	13.566	7.597	10.853	7.597	9.768	9.225	11.395	5.426	7.597
<b>90</b>	1.085	0.543	0.543	2.171	2.171	1.085	2.171	0.000	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : PXF-64-03-08-P6-8TW-W-XXXX-XXXX-POE 4000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	436.11	N.A.	21.60
0-30	839.33	N.A.	41.70
0-40	1246.48	N.A.	61.90
0-60	1797.46	N.A.	89.20
0-80	2001.04	N.A.	99.30
0-90	2014.58	N.A.	100.00
10-90	1896.82	N.A.	94.20
20-40	810.37	N.A.	40.20
20-50	1139.85	N.A.	56.60
40-70	691.19	N.A.	34.30
60-80	203.59	N.A.	10.10
70-80	63.37	N.A.	3.10
80-90	13.54	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	2014.58	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	117.77
10-20	318.34
20-30	403.21
30-40	407.15
40-50	329.49
50-60	221.49
60-70	140.22
70-80	63.37
80-90	13.54
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

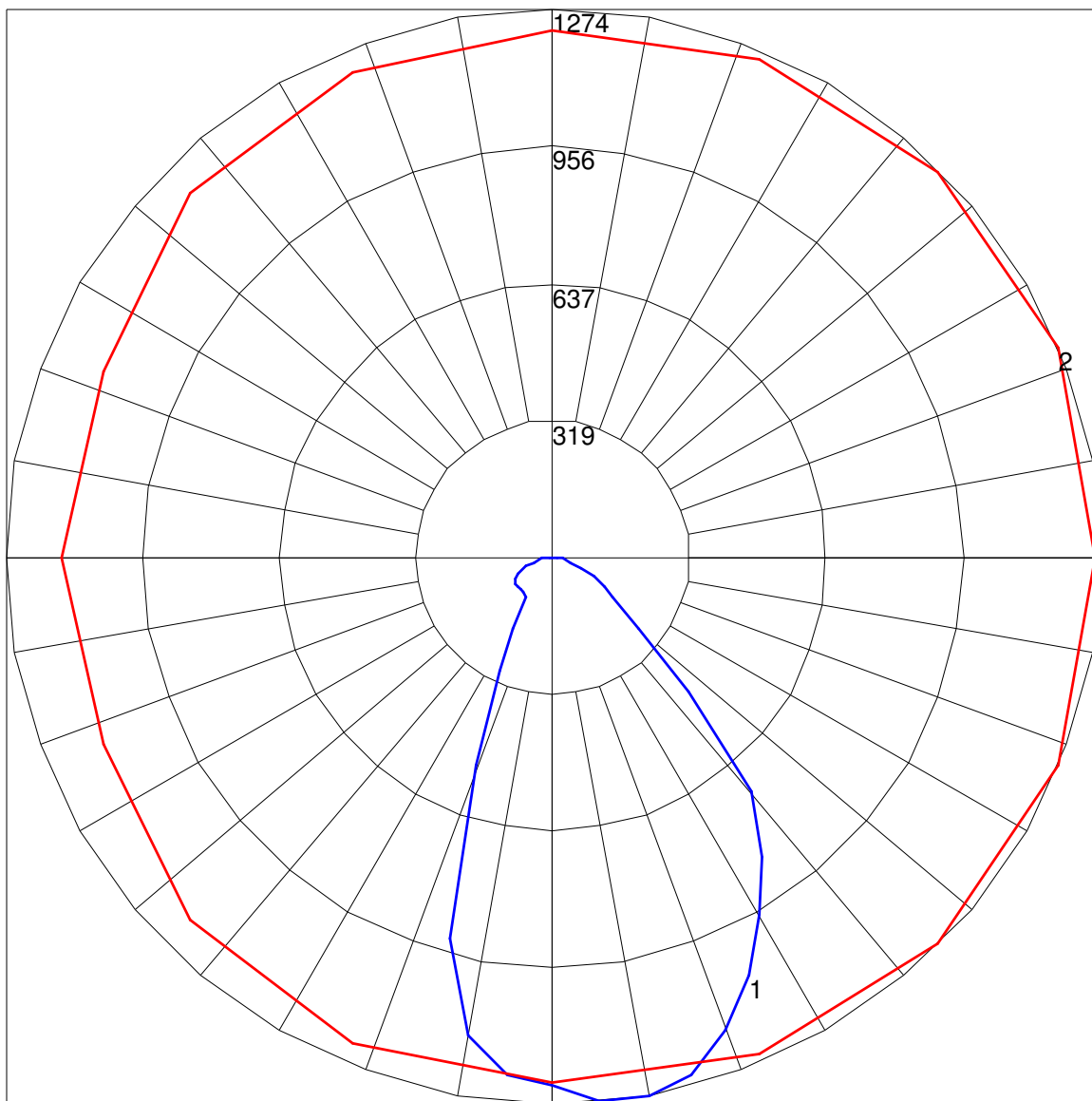
Effective Floor Cavity Reflectance 0.20

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	100	100	100	100	98	98	98	98	93	93	93	89	89	89	86	86	86	84
1	93	90	87	84	91	88	85	83	84	82	80	81	80	78	78	77	76	74
2	86	80	76	72	84	79	75	71	76	72	69	73	70	68	71	69	66	65
3	80	72	67	62	78	71	66	62	69	64	60	67	63	59	65	61	59	57
4	74	66	59	54	72	64	59	54	62	57	53	61	56	53	59	55	52	50
5	69	60	53	48	67	59	53	48	57	52	48	56	51	47	54	50	47	45
6	64	55	48	43	63	54	48	43	52	47	43	51	46	42	50	45	42	41
7	60	50	44	39	59	50	43	39	48	43	39	47	42	38	46	42	38	37
8	57	46	40	36	55	46	40	36	45	39	35	44	39	35	43	38	35	34
9	53	43	37	33	52	43	37	33	42	36	32	41	36	32	40	35	32	31
10	50	40	34	30	49	40	34	30	39	34	30	38	33	30	37	33	30	28

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## POLAR GRAPH



Maximum Candela = 1274.123 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.)