



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-42-03-08-P7-8TW-S-XXXX-XXXX-POE 4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 20584.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 12-SEP-2017
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 2 LED 22"ARRAYS 3'8" PERIMETER LUMINAIRE
 [MORE] WHITE ASYM REFLECTOR w/OPEN BOTTOM
 [LUMCAT] PXF-42-03-08-P6-8TW-S-xxxx-xxxx-PoE 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2084
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	19.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.24
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	5561	7118	8441
55	4480	5567	8442
65	3486	4283	8174
75	2118	2778	7305
85	0	462	2019

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	928.577	928.577	928.577	928.577	928.577	928.577	928.577	928.577	928.577
5	903.884	911.349	921.111	934.894	949.824	940.636	938.339	898.141	922.834
10	884.933	891.824	904.458	925.131	944.656	933.745	926.854	886.082	908.478
15	857.943	866.557	882.062	902.161	928.002	915.369	905.606	861.963	878.616
20	829.230	837.844	851.052	875.745	903.884	889.527	872.299	818.319	821.765
25	797.646	806.260	817.170	843.012	874.022	856.794	824.636	735.626	718.398
30	762.616	767.210	774.675	801.091	834.972	814.873	752.853	591.487	530.041
35	657.526	702.319	731.606	751.131	791.329	764.913	623.645	404.853	339.387
40	543.823	575.982	680.497	701.170	741.368	700.022	461.130	234.872	348.001
45	449.070	479.506	574.833	643.744	681.645	623.071	293.446	153.327	145.862
50	364.654	387.625	461.130	574.833	623.071	522.576	269.327	126.911	125.188
55	293.446	307.803	364.654	507.071	553.011	388.773	121.743	107.961	111.406
60	225.684	242.337	280.238	410.595	479.506	237.169	98.773	101.644	107.961
65	168.258	178.020	206.733	291.724	394.516	133.228	85.565	95.327	100.495
70	109.109	116.000	143.565	189.505	308.951	72.357	76.951	81.545	82.693
75	62.594	67.188	82.119	114.852	215.921	52.258	60.871	61.446	60.297
80	24.693	29.861	36.753	53.980	110.832	39.624	38.475	37.327	35.604
85	0.000	1.149	4.594	10.911	20.099	14.356	13.782	12.059	13.208
90	0.000	0.000	0.000	0.000	0.000	0.000	0.574	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PXF-42-03-08-P7-8TW-S-XXXX-XXXX-POE 4000K.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	339.31	N.A.	16.30
0-30	712.58	N.A.	34.20
0-40	1124.26	N.A.	53.90
0-60	1780.53	N.A.	85.40
0-80	2065.83	N.A.	99.10
0-90	2084.35	N.A.	100.00
10-90	1996.37	N.A.	95.80
20-40	784.95	N.A.	37.70
20-50	1152.5	N.A.	55.30
40-70	846.16	N.A.	40.60
60-80	285.30	N.A.	13.70
70-80	95.40	N.A.	4.60
80-90	18.52	N.A.	0.90
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	2084.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

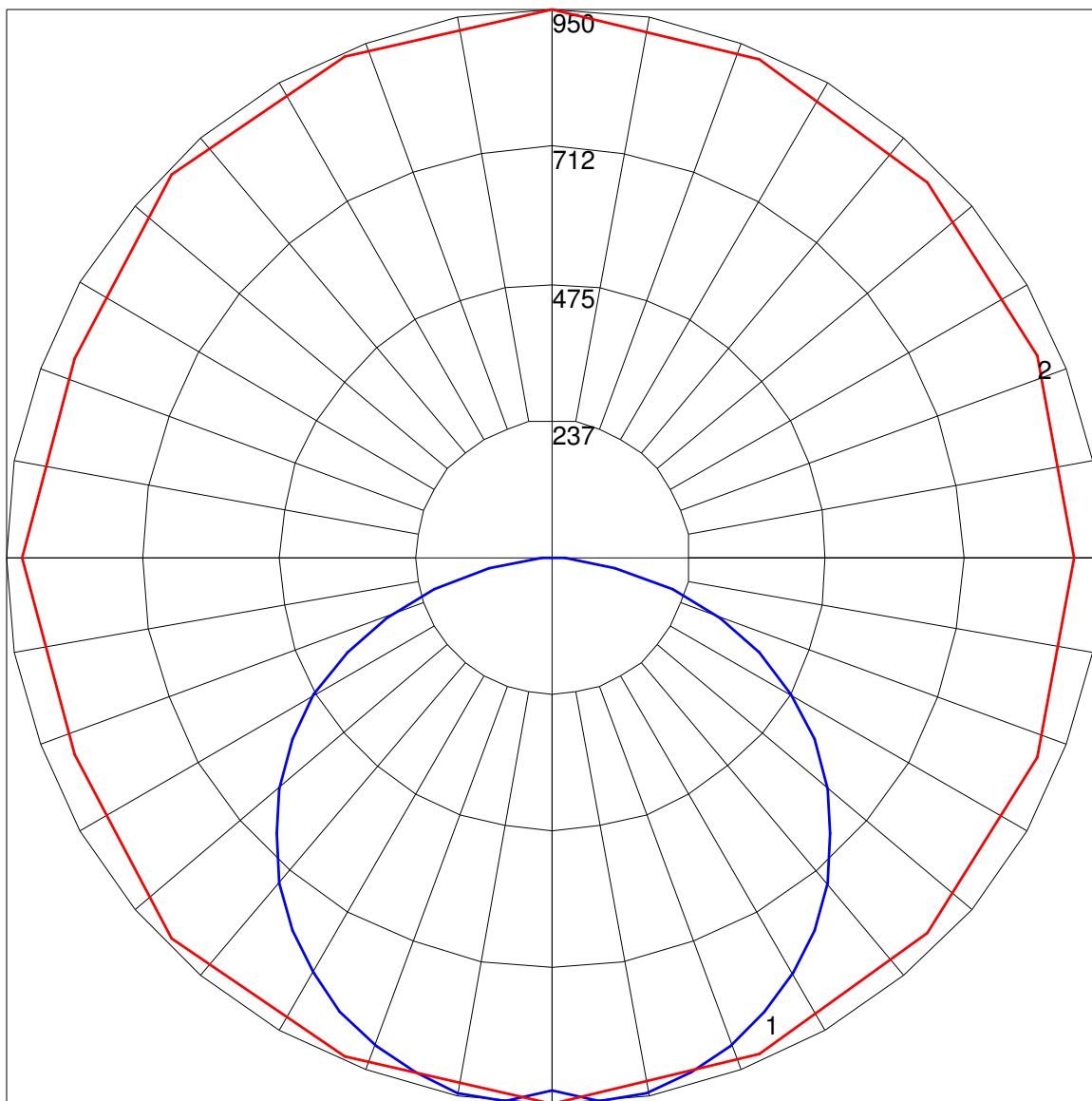
Zone	Lumens
0-10	87.98
10-20	251.33
20-30	373.26
30-40	411.69
40-50	367.56
50-60	288.71
60-70	189.90
70-80	95.40
80-90	18.52
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PXF-42-03-08-P7-8TW-S-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	99	99	99	99	97	97	97	97	93	93	93	89	89	89	85	85	85	83
1	92	88	85	82	89	86	83	81	83	80	78	80	78	76	77	75	74	72
2	84	78	73	69	82	76	72	68	74	70	66	71	68	65	68	66	63	62
3	77	69	63	58	75	68	62	58	66	61	57	63	59	56	61	58	55	53
4	71	62	55	50	69	61	55	50	59	53	49	57	52	48	55	51	48	46
5	66	56	49	44	64	55	48	44	53	48	43	52	47	43	50	46	42	41
6	61	51	44	39	60	50	43	39	48	43	38	47	42	38	46	41	38	36
7	57	46	39	35	56	46	39	34	44	38	34	43	38	34	42	37	34	32
8	53	42	36	31	52	42	35	31	41	35	31	40	35	31	39	34	30	29
9	50	39	33	28	49	39	32	28	38	32	28	37	32	28	36	31	28	26
10	47	36	30	26	46	36	30	26	35	29	26	34	29	25	34	29	25	24

POLAR GRAPH



Maximum Candela = 949.824 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)