



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-42-03-08-L7-8TW-S-XXXX-XXXX-DIM 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] 2-56 LED 22"ARRAYS 3'8" PERIMETER LUMINAIRE  
 [MORE] WHITE ASYM REFLECTOR w/OPEN BOTTOM  
 [LUMCAT] PXF-42-03-08-L7-8TW-S-xxxx-xxxx-DIM-UNV 4000k

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2503
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	23.9
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	6677	8547	10136
55	5379	6684	10137
65	4186	5143	9815
75	2543	3336	8772
85	0	554	2425

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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>	1114.973	1114.973	1114.973	1114.973	1114.973	1114.973	1114.973	1114.973	1114.973
<b>5</b>	1085.323	1094.287	1106.009	1122.557	1140.485	1129.453	1126.695	1078.427	1108.077
<b>10</b>	1062.568	1070.843	1086.012	1110.835	1134.280	1121.178	1112.904	1063.947	1090.839
<b>15</b>	1030.160	1040.503	1059.121	1083.254	1114.283	1099.113	1087.391	1034.987	1054.983
<b>20</b>	995.684	1006.027	1021.886	1051.536	1085.323	1068.084	1047.399	982.583	986.720
<b>25</b>	957.759	968.102	981.204	1012.232	1049.467	1028.781	990.167	883.290	862.604
<b>30</b>	915.698	921.214	930.178	961.897	1002.579	978.445	903.976	710.218	636.438
<b>35</b>	789.514	843.297	878.463	901.907	950.175	918.456	748.831	486.120	407.513
<b>40</b>	652.986	691.600	817.095	841.918	890.185	840.539	553.694	282.018	417.856
<b>45</b>	539.214	575.759	690.221	772.965	818.474	748.142	352.351	184.105	175.141
<b>50</b>	437.853	465.434	553.694	690.221	748.142	627.474	323.390	152.386	150.318
<b>55</b>	352.351	369.589	437.853	608.856	664.019	466.813	146.181	129.632	133.769
<b>60</b>	270.986	290.982	336.491	493.015	575.759	284.777	118.599	122.047	129.632
<b>65</b>	202.033	213.755	248.231	350.282	473.708	159.971	102.740	114.462	120.668
<b>70</b>	131.011	139.285	172.383	227.545	370.968	86.881	92.397	97.913	99.293
<b>75</b>	75.159	80.675	98.603	137.906	259.264	62.747	73.090	73.780	72.401
<b>80</b>	29.650	35.856	44.130	64.816	133.080	47.578	46.199	44.820	42.751
<b>85</b>	0.000	1.379	5.516	13.101	24.134	17.238	16.549	14.480	15.859
<b>90</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.690	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	407.43	N.A.	16.30
0-30	855.61	N.A.	34.20
0-40	1349.94	N.A.	53.90
0-60	2137.94	N.A.	85.40
0-80	2480.51	N.A.	99.10
0-90	2502.75	N.A.	100.00
10-90	2397.11	N.A.	95.80
20-40	942.51	N.A.	37.70
20-50	1383.85	N.A.	55.30
40-70	1016.02	N.A.	40.60
60-80	342.56	N.A.	13.70
70-80	114.55	N.A.	4.60
80-90	22.24	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	2502.75	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

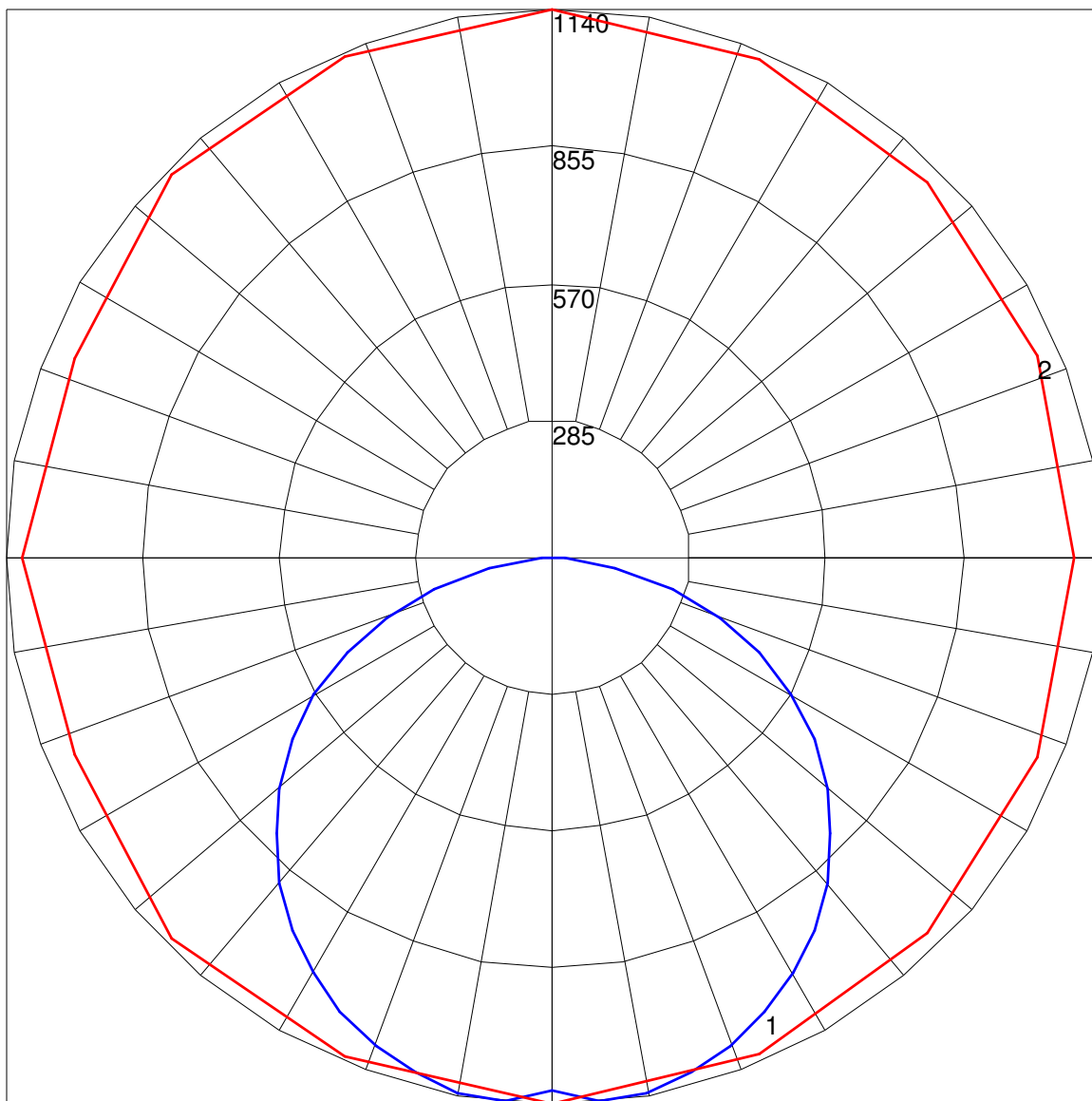
Zone	Lumens
0-10	105.64
10-20	301.79
20-30	448.19
30-40	494.33
40-50	441.34
50-60	346.67
60-70	228.01
70-80	114.55
80-90	22.24
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	82	82	82	82	80	80	80	80	77	77	77	73	73	73	70	70	70	69
1	76	73	70	68	74	71	69	67	69	67	65	66	64	63	63	62	61	60
2	70	65	60	57	68	63	59	56	61	58	55	59	56	54	57	54	52	51
3	64	57	52	48	62	56	52	48	54	50	47	52	49	46	51	48	45	44
4	59	51	46	42	58	50	45	41	49	44	41	47	43	40	46	42	40	38
5	55	46	41	36	53	46	40	36	44	39	36	43	39	35	42	38	35	34
6	51	42	36	32	49	41	36	32	40	35	32	39	35	31	38	34	31	30
7	47	38	33	29	46	38	32	29	37	32	28	36	31	28	35	31	28	27
8	44	35	30	26	43	35	29	26	34	29	26	33	29	25	32	28	25	24
9	41	32	27	23	40	32	27	23	31	27	23	31	26	23	30	26	23	22
10	39	30	25	21	38	30	25	21	29	24	21	28	24	21	28	24	21	20

POLAR GRAPH



Maximum Candela = 1140.485 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.)