



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-62-03-08-L7-8TW-S-XXXX-XXXX-DIM 4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 20590.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 11-SEP-2018
 [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-62-03-08-L7-8TW-S-xxxx-xxxx-DIM-UNV 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2536
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	23.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	3.68 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6243	6260	6835
55	6067	6123	6804
65	4317	5385	6490
75	2428	3252	5478
85	0	185	1155

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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	1120.302	1120.302	1120.302	1120.302	1120.302	1120.302	1120.302	1120.302	1120.302
5	1092.071	1094.825	1106.531	1126.499	1154.042	1138.893	1129.942	1079.676	1108.596
10	1067.971	1072.791	1087.251	1114.105	1147.156	1130.631	1109.973	1056.265	1078.299
15	1039.051	1040.428	1057.642	1088.628	1123.745	1107.219	1079.676	1015.639	1026.657
20	1004.622	1008.065	1020.459	1052.822	1097.579	1069.348	1031.477	948.160	920.617
25	967.440	967.440	979.834	1008.754	1057.642	1023.214	952.291	809.069	735.392
30	925.437	924.748	932.323	961.931	1013.574	967.440	846.940	612.827	477.178
35	880.680	876.549	875.171	905.468	961.243	897.206	665.846	351.170	225.851
40	822.152	819.397	819.397	834.546	898.583	804.937	437.241	178.339	138.402
45	754.672	751.917	756.737	768.443	826.283	704.406	218.965	119.122	108.105
50	689.946	685.126	685.126	688.569	755.360	551.544	124.631	94.334	85.383
55	594.924	616.269	600.432	615.581	667.223	373.893	92.268	75.054	79.185
60	437.241	459.276	520.558	511.607	579.087	185.225	68.168	70.234	76.431
65	311.922	322.939	389.042	399.370	468.916	79.185	61.283	67.480	72.988
70	201.062	213.456	249.951	325.005	367.007	51.643	57.151	64.037	67.480
75	107.417	117.057	143.911	216.211	242.376	37.871	49.577	53.708	53.708
80	39.248	42.691	56.463	92.957	121.188	28.920	34.428	34.428	33.740
85	0.000	0.689	2.754	13.771	17.214	13.083	14.460	14.460	13.083
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	406.95	N.A.	16.00
0-30	845.75	N.A.	33.30
0-40	1322.79	N.A.	52.20
0-60	2140.68	N.A.	84.40
0-80	2515.39	N.A.	99.20
0-90	2536.25	N.A.	100.00
10-90	2430.27	N.A.	95.80
20-40	915.84	N.A.	36.10
20-50	1359.76	N.A.	53.60
40-70	1067.61	N.A.	42.10
60-80	374.72	N.A.	14.80
70-80	124.99	N.A.	4.90
80-90	20.86	N.A.	0.80
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	2536.25	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

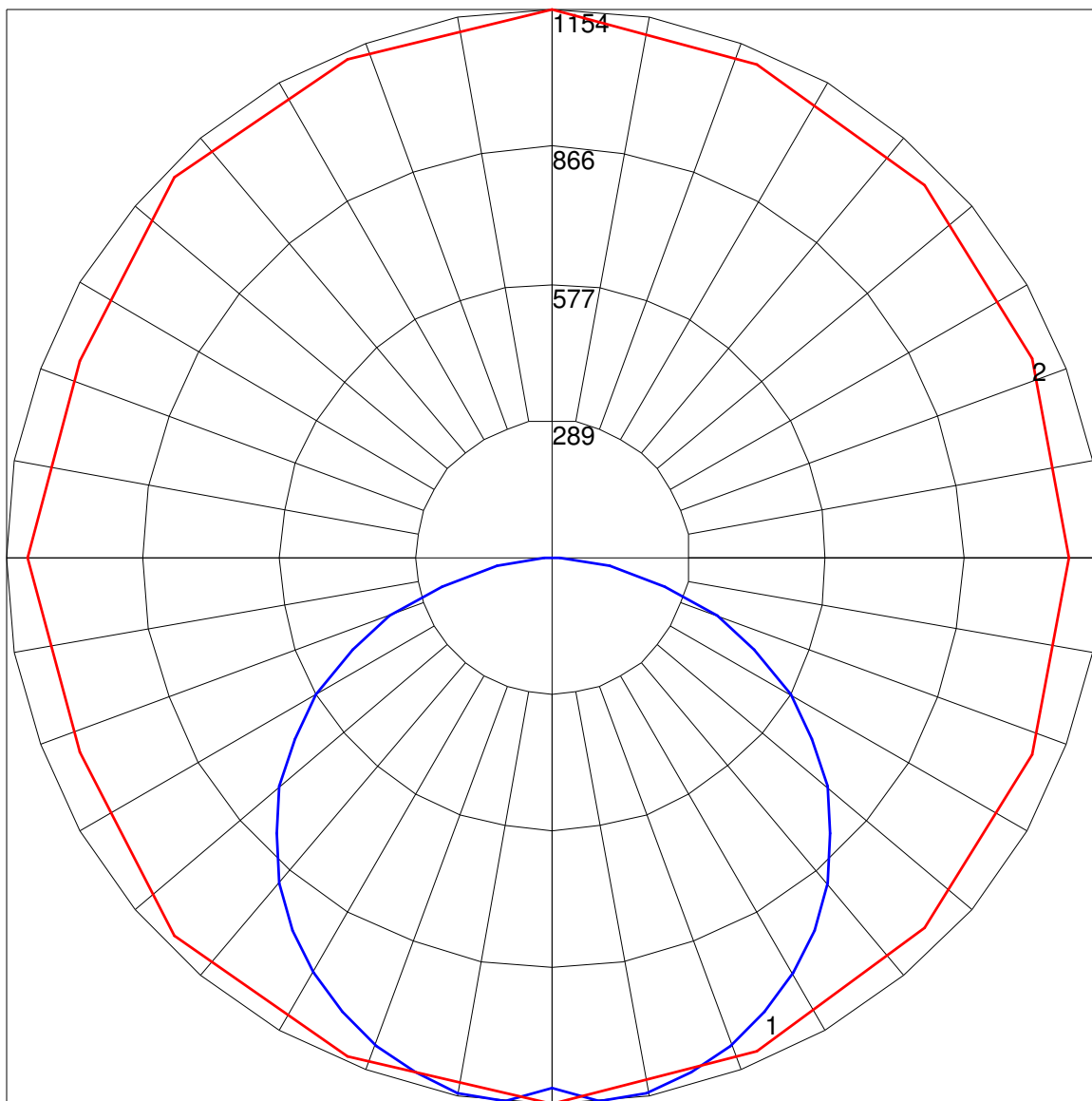
Zone	Lumens
0-10	105.99
10-20	300.97
20-30	438.79
30-40	477.05
40-50	443.92
50-60	373.96
60-70	249.73
70-80	124.99
80-90	20.86
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	68	66	64	66	64	63	63	62	61	59
2	69	64	60	56	68	63	59	56	60	57	54	58	55	53	56	54	52	50
3	64	57	52	48	62	56	51	47	54	50	46	52	48	45	50	47	45	43
4	59	51	45	41	57	50	45	41	48	44	40	47	43	39	45	42	39	38
5	54	46	40	36	53	45	40	35	44	39	35	42	38	35	41	37	34	33
6	50	41	36	31	49	41	35	31	40	35	31	38	34	31	37	34	30	29
7	47	38	32	28	46	37	32	28	36	31	28	35	31	28	34	30	27	26
8	44	35	29	25	43	34	29	25	33	28	25	32	28	25	32	28	25	23
9	41	32	26	23	40	32	26	23	31	26	23	30	26	23	29	25	22	21
10	38	30	24	21	37	29	24	21	29	24	21	28	24	21	27	23	21	19

POLAR GRAPH



Maximum Candela = 1154.042 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.)