



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-62-03-08-P6-835-S-POE_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from BALLABS TEST NO. 20590.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUEDATE] 03-20-2020
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO 64836
 [LUMINAIRE] 3'8" PERIMETER LUMINAIRE
 [MORE] WHITE ASYM REFLECTOR w/OPEN BOTTOM
 [LUMCAT] PXF-62-03-08-P6-835-S-PoE
 [LAMPCAT] HLM 80 CRI, TUNABLE WHITE LED
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Indoor, Perimeter, Corridor, Healthcare, Indirect
 [SEARCH_MOUNTING] Wall, Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2153
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	19.1
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	5300	5314	5803
55	5151	5198	5777
65	3665	4571	5510
75	2061	2761	4650
85	0	157	981

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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	951.108	951.108	951.108	951.108	951.108	951.108	951.108	951.108	951.108
5	927.140	929.479	939.416	956.369	979.752	966.891	959.292	916.618	941.170
10	906.680	910.772	923.048	945.847	973.906	959.877	942.339	896.742	915.449
15	882.128	883.297	897.911	924.217	954.031	940.001	916.618	862.252	871.605
20	852.899	855.822	866.344	893.819	931.817	907.849	875.697	804.963	781.580
25	821.332	821.332	831.854	856.406	897.911	868.682	808.471	686.879	624.329
30	785.672	785.088	791.518	816.655	860.498	821.332	719.031	520.274	405.112
35	747.675	744.167	742.998	768.720	816.070	761.705	565.287	298.135	191.741
40	697.986	695.647	695.647	708.508	762.874	683.371	371.207	151.406	117.500
45	640.697	638.359	642.451	652.389	701.493	598.023	185.896	101.132	91.779
50	585.747	581.655	581.655	584.578	641.282	468.247	105.809	80.087	72.488
55	505.075	523.197	509.752	522.612	566.456	317.426	78.333	63.719	67.226
60	371.207	389.913	441.941	434.341	491.630	157.251	57.873	59.627	64.888
65	264.814	274.167	330.286	339.055	398.097	67.226	52.027	57.289	61.965
70	170.697	181.219	212.202	275.921	311.580	43.843	48.520	54.366	57.289
75	91.194	99.378	122.177	183.557	205.771	32.152	42.090	45.597	45.597
80	33.321	36.244	47.935	78.918	102.886	24.552	29.229	29.229	28.644
85	0.000	0.585	2.338	11.692	14.614	11.107	12.276	12.276	11.107
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	345.49	N.A.	16.00
0-30	718.02	N.A.	33.30
0-40	1123.02	N.A.	52.20
0-60	1817.38	N.A.	84.40
0-80	2135.5	N.A.	99.20
0-90	2153.21	N.A.	100.00
10-90	2063.24	N.A.	95.80
20-40	777.52	N.A.	36.10
20-50	1154.4	N.A.	53.60
40-70	906.37	N.A.	42.10
60-80	318.12	N.A.	14.80
70-80	106.11	N.A.	4.90
80-90	17.71	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	2153.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.98
10-20	255.51
20-30	372.52
30-40	405.00
40-50	376.88
50-60	317.48
60-70	212.01
70-80	106.11
80-90	17.71
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	85	81	88	83	79	85	81	77	82	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	57	54
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48
6	73	60	52	46	71	59	51	45	57	50	45	56	49	45	54	49	44	42
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	35	30	54	42	35	30	41	35	30	41	34	30	40	34	30	28

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UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

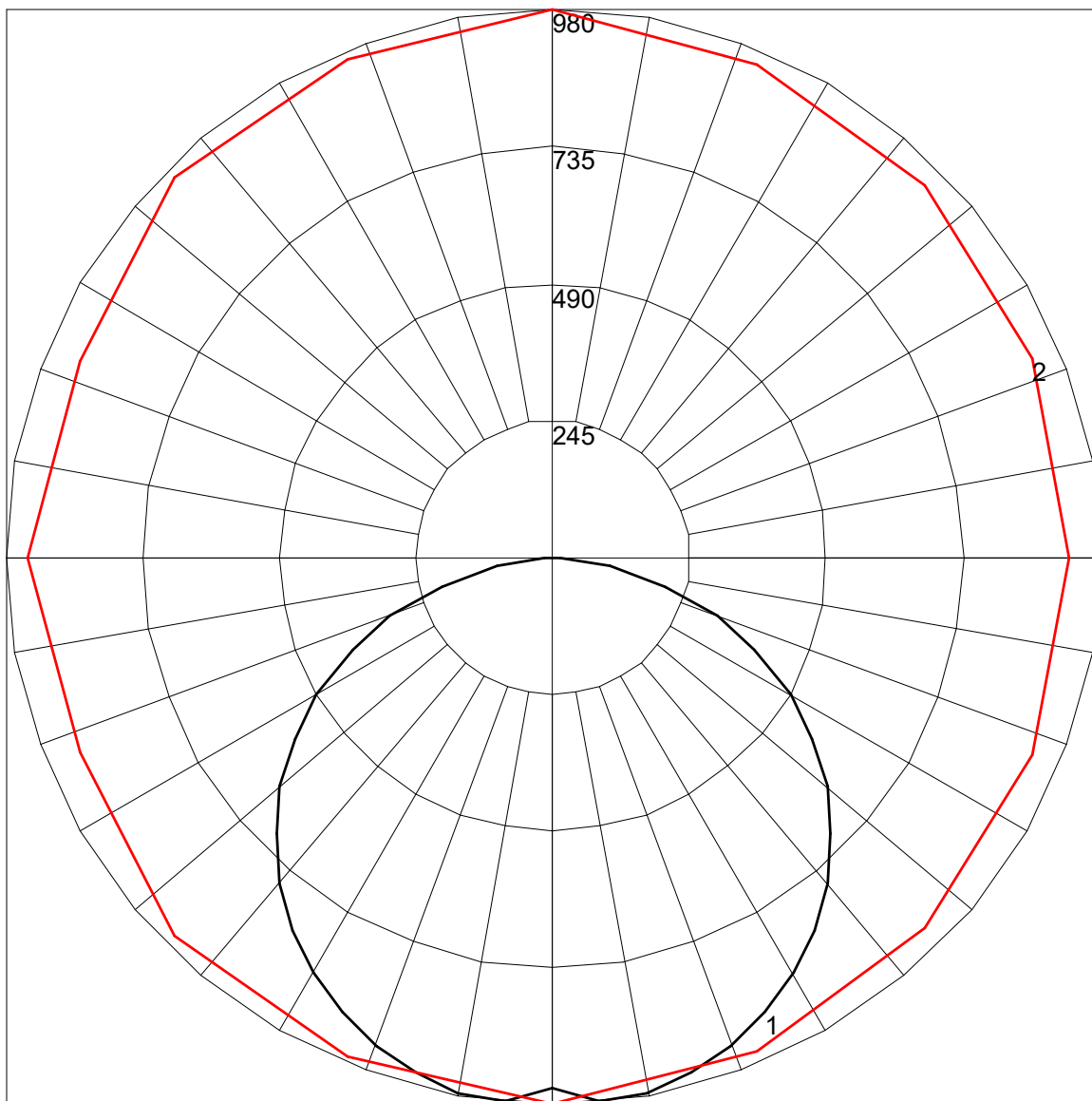
X=2H	Y=2H	18.7	20.2	19.0	20.5	20.8	17.8	19.4	18.2	19.7	20.0
	3H	19.7	21.1	20.1	21.4	21.8	19.8	21.2	20.2	21.5	21.9
	4H	19.9	21.2	20.3	21.6	22.0	20.6	21.9	21.0	22.2	22.6
	6H	20.0	21.2	20.4	21.6	22.0	21.0	22.2	21.5	22.6	23.0
	8H	20.0	21.1	20.4	21.5	21.9	21.1	22.3	21.6	22.7	23.1
	12H	20.0	21.1	20.4	21.4	21.9	21.2	22.2	21.6	22.6	23.1

UGR Viewed Endwise

4H	2H	19.3	20.6	19.7	20.9	21.3	18.2	19.5	18.6	19.8	20.2
	3H	20.4	21.5	20.9	21.9	22.3	20.3	21.3	20.7	21.7	22.1
	4H	20.7	21.7	21.2	22.1	22.6	21.1	22.1	21.5	22.5	22.9
	6H	20.9	21.7	21.3	22.2	22.6	21.7	22.5	22.1	22.9	23.4
	8H	20.9	21.6	21.3	22.1	22.6	21.8	22.6	22.2	23.0	23.5
	12H	20.8	21.5	21.3	22.0	22.5	21.8	22.5	22.3	23.0	23.5
8H	4H	21.0	21.8	21.4	22.2	22.7	21.1	21.9	21.6	22.4	22.9
	6H	21.1	21.8	21.6	22.2	22.7	21.7	22.4	22.2	22.9	23.4
	8H	21.1	21.7	21.6	22.2	22.7	21.9	22.5	22.4	23.0	23.5
	12H	21.1	21.6	21.6	22.1	22.6	21.9	22.4	22.4	22.9	23.5
12H	4H	21.0	21.7	21.5	22.2	22.6	21.1	21.8	21.6	22.3	22.8
	6H	21.1	21.7	21.6	22.2	22.7	21.7	22.3	22.2	22.8	23.3
	8H	21.1	21.6	21.6	22.1	22.7	21.9	22.4	22.4	22.9	23.4

Maximum UGR = 23.5

POLAR GRAPH



Maximum Candela = 979.752 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)