



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PXF-62-03-08-P11-835-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] 10-JUL-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-P11-835-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	4012
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	38.1
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	9876	9903	10813
55	9598	9687	10764
65	6830	8518	10267
75	3840	5145	8666
85	0	292	1828

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : PXF-62-03-08-P11-835-S-POE_.IES

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	1772.338	1772.338	1772.338	1772.338	1772.338	1772.338	1772.338	1772.338	1772.338
5	1727.676	1732.033	1750.552	1782.142	1825.715	1801.750	1787.589	1708.068	1753.820
10	1689.549	1697.175	1720.050	1762.534	1814.822	1788.678	1755.998	1671.031	1705.889
15	1643.797	1645.976	1673.209	1722.229	1777.785	1751.641	1708.068	1606.760	1624.190
20	1589.331	1594.778	1614.386	1665.584	1736.390	1691.728	1631.815	1500.006	1456.433
25	1530.507	1530.507	1550.115	1595.867	1673.209	1618.743	1506.542	1279.962	1163.403
30	1464.058	1462.969	1474.951	1521.793	1603.492	1530.507	1339.875	969.503	754.905
35	1393.252	1386.716	1384.537	1432.468	1520.703	1419.396	1053.381	555.558	357.300
40	1300.659	1296.302	1296.302	1320.267	1421.574	1273.426	691.724	282.136	218.955
45	1193.905	1189.547	1197.173	1215.691	1307.195	1114.384	346.407	188.454	171.025
50	1091.508	1083.882	1083.882	1089.329	1194.994	872.553	197.169	149.238	135.077
55	941.180	974.949	949.895	973.860	1055.560	591.506	145.970	118.737	125.273
60	691.724	726.582	823.533	809.371	916.126	293.030	107.844	111.112	120.916
65	493.466	510.895	615.471	631.811	741.833	125.273	96.950	106.754	115.469
70	318.084	337.692	395.426	514.163	580.612	81.700	90.414	101.308	106.754
75	169.935	185.186	227.670	342.049	383.444	59.913	78.432	84.968	84.968
80	62.092	67.538	89.325	147.059	191.722	45.752	54.466	54.466	53.377
85	0.000	1.089	4.357	21.787	27.233	20.697	22.876	22.876	20.697
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PXF-62-03-08-P11-835-S-POE_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	643.81	N.A.	16.00
0-30	1337.99	N.A.	33.30
0-40	2092.68	N.A.	52.20
0-60	3386.59	N.A.	84.40
0-80	3979.4	N.A.	99.20
0-90	4012.4	N.A.	100.00
10-90	3844.73	N.A.	95.80
20-40	1448.87	N.A.	36.10
20-50	2151.17	N.A.	53.60
40-70	1688.98	N.A.	42.10
60-80	592.81	N.A.	14.80
70-80	197.74	N.A.	4.90
80-90	33.00	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	4012.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	167.67
10-20	476.14
20-30	694.18
30-40	754.70
40-50	702.29
50-60	591.61
60-70	395.07
70-80	197.74
80-90	33.00
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-62-03-08-P11-835-S-POE_.IES

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	222	222	222	222	217	217	217	217	207	207	207	198	198	198	190	190	190	186
1	205	197	190	183	200	193	186	180	185	179	174	178	173	169	171	167	164	160
2	188	174	162	152	183	170	159	150	164	155	147	158	150	144	152	146	140	137
3	172	154	140	129	168	151	138	127	146	134	125	141	131	123	136	128	121	117
4	159	138	122	111	154	135	121	110	131	118	108	126	116	107	122	113	105	102
5	146	124	108	96	143	122	107	96	118	105	95	114	103	94	111	101	93	89
6	136	112	96	85	132	110	96	85	107	94	84	104	92	83	101	91	83	79
7	126	102	87	76	123	101	86	76	98	85	75	95	83	74	93	82	74	70
8	118	94	79	68	115	93	78	68	90	77	68	88	76	67	86	75	67	63
9	110	86	72	62	108	85	71	62	83	70	61	81	69	61	79	69	61	57
10	104	80	66	56	101	79	65	56	77	65	56	76	64	56	74	63	56	52

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PXF-62-03-08-P11-835-S-POE_.IES

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	22.3	21.6	22.6	23.1

UGR Viewed Endwise

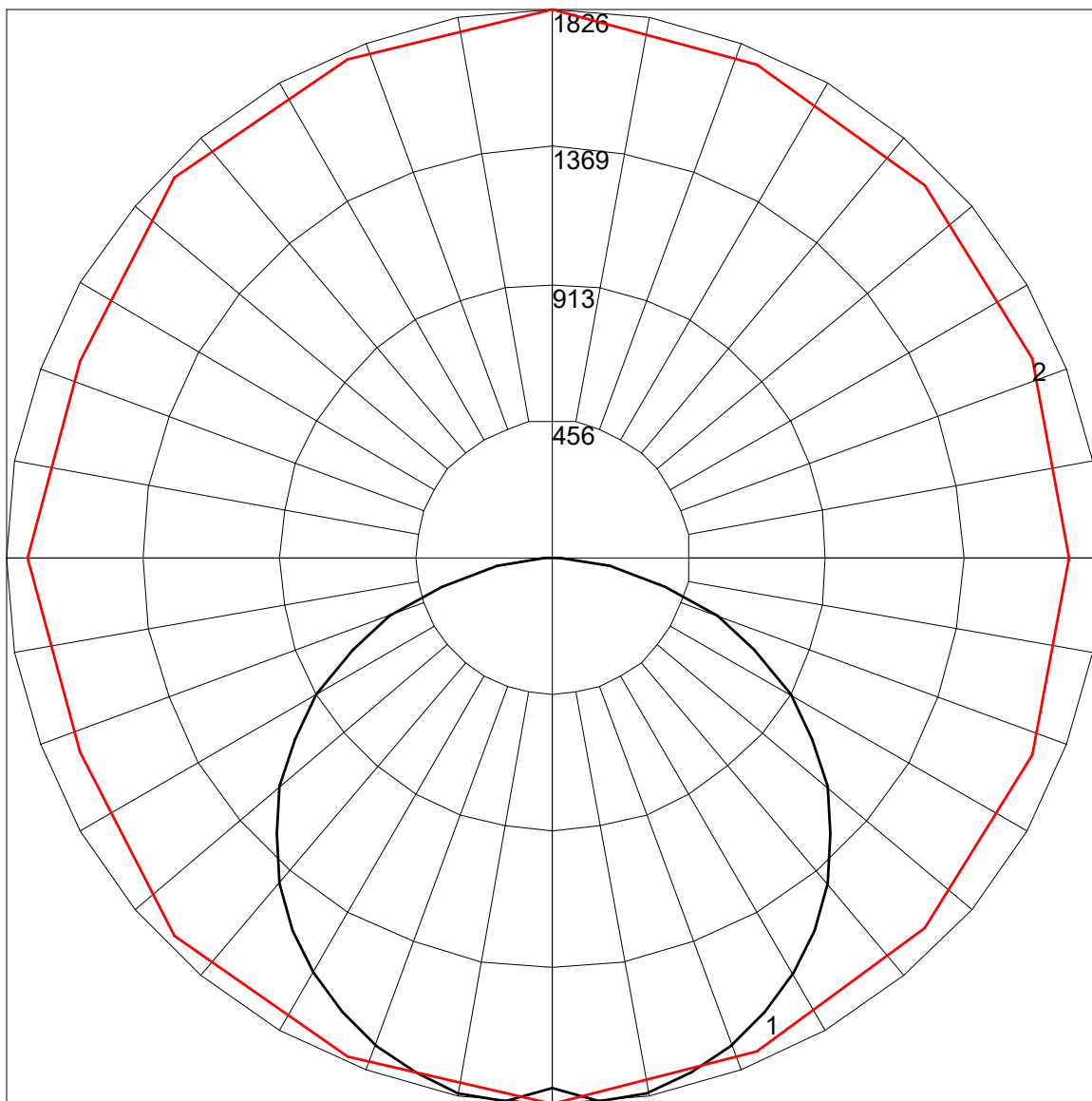
4H	2H	19.3	20.6	19.7	20.9	21.3	18.2	19.5	18.6	19.8	20.2
	3H	20.5	21.5	20.9	21.9	22.3	20.3	21.4	20.7	21.7	22.2
	4H	20.7	21.7	21.2	22.1	22.6	21.1	22.1	21.5	22.5	22.9
	6H	20.9	21.7	21.3	22.2	22.6	21.7	22.5	22.1	22.9	23.4
	8H	20.9	21.6	21.3	22.1	22.6	21.8	22.6	22.2	23.0	23.5
	12H	20.8	21.5	21.3	22.0	22.5	21.8	22.5	22.3	23.0	23.5

8H	4H	21.0	21.8	21.4	22.2	22.7	21.2	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 = 1825.715 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.)