



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTS-22-L43-8TW-SA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN from BALLABS TEST NO. 20789.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUEDATE] 30-APR-2019
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 1-84 LED 22"ARRAY 2x2 SURFACE LUMINAIRE
 [MORE] WHITE REFLECTOR w/FROST SQUARED RIBBED LENS
 [MORE] ADVANCE #C1042C092V045CNN1
 [LUMCAT] PTS-22-L43-8TW-SA-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4555
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	170
Total Luminaire Watts	26.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	1.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4072	4012	3955
55	3659	3692	3795
65	3203	3493	3923
75	2497	3517	4547
85	1299	3274	4411

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PTS-22-L43-8TW-SA.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1805.361	1805.361	1805.361	1805.361	1805.361
5	1805.361	1793.713	1786.225	1787.057	1785.393
10	1767.090	1757.939	1750.451	1747.123	1744.627
15	1704.693	1698.037	1689.718	1683.062	1681.398
20	1633.976	1623.161	1603.194	1599.034	1594.874
25	1530.813	1526.653	1503.358	1491.710	1484.223
30	1413.506	1406.850	1391.043	1372.740	1360.260
35	1281.224	1282.888	1262.920	1244.617	1237.130
40	1145.614	1149.773	1129.806	1117.327	1112.335
45	1015.827	1013.331	1000.852	996.692	986.709
50	877.721	880.217	868.570	878.553	870.234
55	740.447	747.935	747.103	767.902	767.902
60	605.669	610.661	632.292	660.579	673.058
65	477.547	490.026	520.809	561.575	584.870
70	347.761	369.392	420.973	473.387	501.674
75	227.958	266.228	321.138	381.871	415.150
80	120.635	163.897	225.462	285.363	316.146
85	39.934	66.557	100.668	123.131	135.610
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PTS-22-L43-8TW-SA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	646.07	N.A.	14.20
0-30	1339.6	N.A.	29.40
0-40	2129.49	N.A.	46.70
0-60	3579.89	N.A.	78.60
0-80	4443.1	N.A.	97.50
0-90	4555.34	N.A.	100.00
10-90	4385.59	N.A.	96.30
20-40	1483.41	N.A.	32.60
20-50	2258.19	N.A.	49.60
40-70	1972.84	N.A.	43.30
60-80	863.21	N.A.	18.90
70-80	340.77	N.A.	7.50
80-90	112.24	N.A.	2.50
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	4555.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	169.75
10-20	476.33
20-30	693.52
30-40	789.89
40-50	774.77
50-60	675.63
60-70	522.44
70-80	340.77
80-90	112.24
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

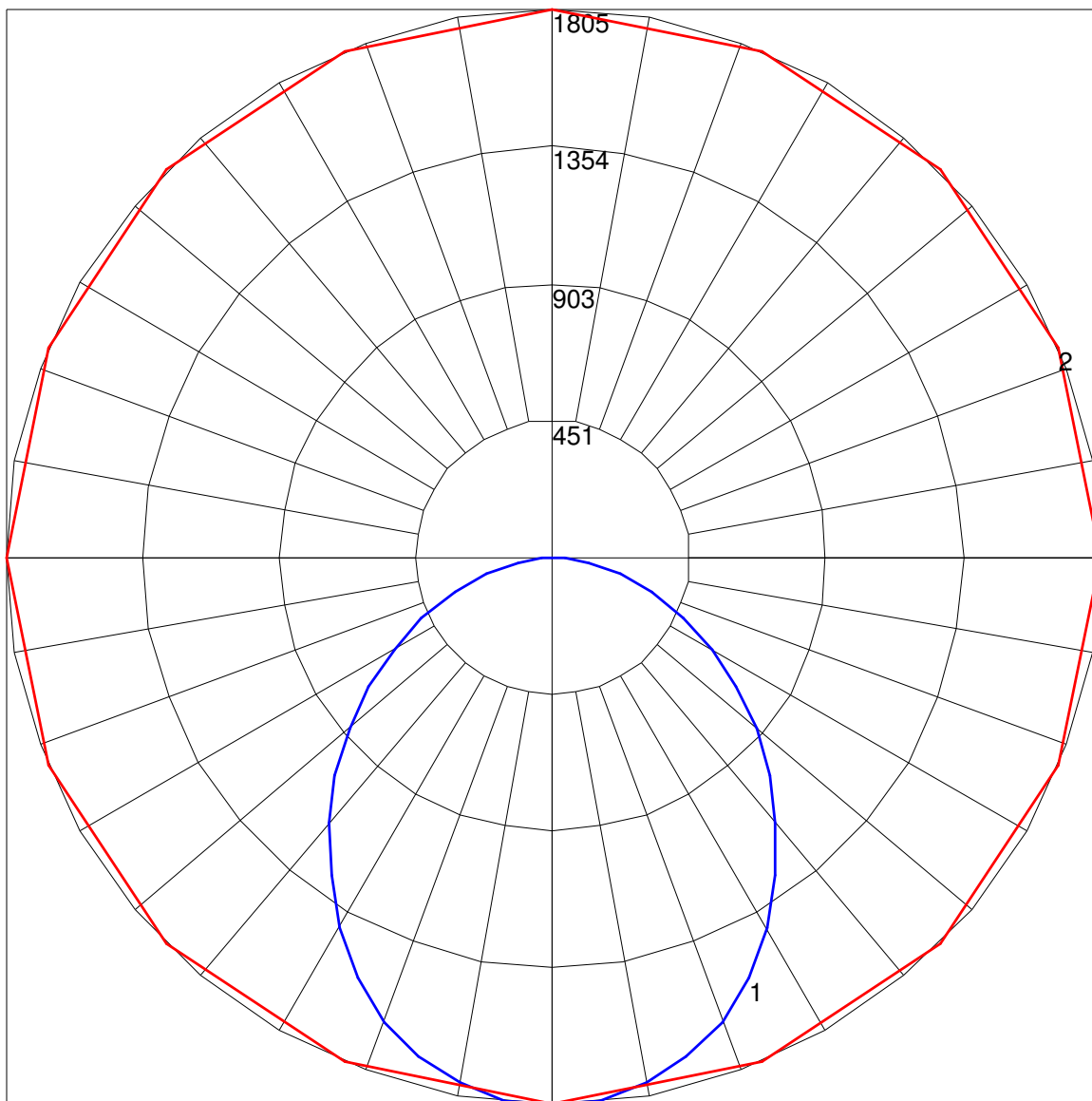
IES INDOOR REPORT
PHOTOMETRIC FILENAME : PTS-22-L43-8TW-SA.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	48	42	69	56	48	42	55	47	41	53	46	41	51	45	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1805.361 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)