IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-22-L48-8FS-RA-XXX-XXX_3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]GEN FROM BALLABS TEST NO. 19562.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUEDATE] 12-OCT-2016
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
[LUMINAIRE] 1-22" LED ARRAY 2x2'RECESSED LUMINAIRE
[MORE] WHITE REFLECTOR w/CENTER FROSTED RIBBED ACRYLIC LENS
[MORE] EVERLINE #D10CC55UNVTZ-C @ 76 SETPOINT
[LUMCAT] PT-22-L48-8FS-RA-xxx-xxx
[LAMPCAT] M700C835D72N2A
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Indoor, Architectural, Office, Direct
[_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4823
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	43
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	1.93 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4532	4700	4853
55	3831	4221	4504
65	2929	3663	4073
75	2036	3248	4015
85	1159	2650	3312

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	1843.177	1843.177	1843.177	1843.177	1843.177
5	1849.374	1838.219	1835.739	1829.542	1829.542
10	1824.584	1813.428	1812.188	1805.991	1804.751
15	1781.200	1768.805	1767.565	1765.086	1763.847
20	1719.224	1708.068	1706.829	1708.068	1708.068
25	1632.457	1621.301	1628.738	1633.697	1628.738
30	1525.858	1520.900	1528.337	1537.013	1530.816
35	1403.145	1401.905	1418.019	1424.217	1430.414
40	1261.838	1261.838	1289.108	1300.264	1310.180
45	1100.700	1100.700	1141.604	1167.634	1178.790
50	930.885	932.124	986.663	1021.370	1037.484
55	754.872	768.507	831.723	868.908	887.501
60	582.578	609.847	673.063	713.968	733.800
65	425.158	461.104	531.757	576.380	591.254
70	286.331	330.954	401.607	447.469	464.823
75	180.971	224.354	288.810	334.672	356.984
80	97.923	135.108	192.127	224.354	246.666
85	34.707	60.737	79.330	79.330	99.162
90	0.000	0.000	0.000	0.000	0.000

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Results derived from content of manufacturers photometric file.

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	673.43	N.A.	14.00
0-30	1423.05	N.A.	29.50
0-40	2306.95	N.A.	47.80
0-60	3919.17	N.A.	81.30
0-80	4734.53	N.A.	98.20
0-90	4822.76	N.A.	100.00
10-90	4648.3	N.A.	96.40
20-40	1633.52	N.A.	33.90
20-50	2510.00	N.A.	52.00
40-70	2129.82	N.A.	44.20
60-80	815.36	N.A.	16.90
70-80	297.76	N.A.	6.20
80-90	88.22	N.A.	1.80
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	4822.76	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	174.46
10-20	498.97
20-30	749.62
30-40	883.90
40-50	876.48
50-60	735.74
60-70	517.60
70-80	297.76
80-90	88.22
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	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	100	91	85	79	97	90	83	78	86	81	76	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	63	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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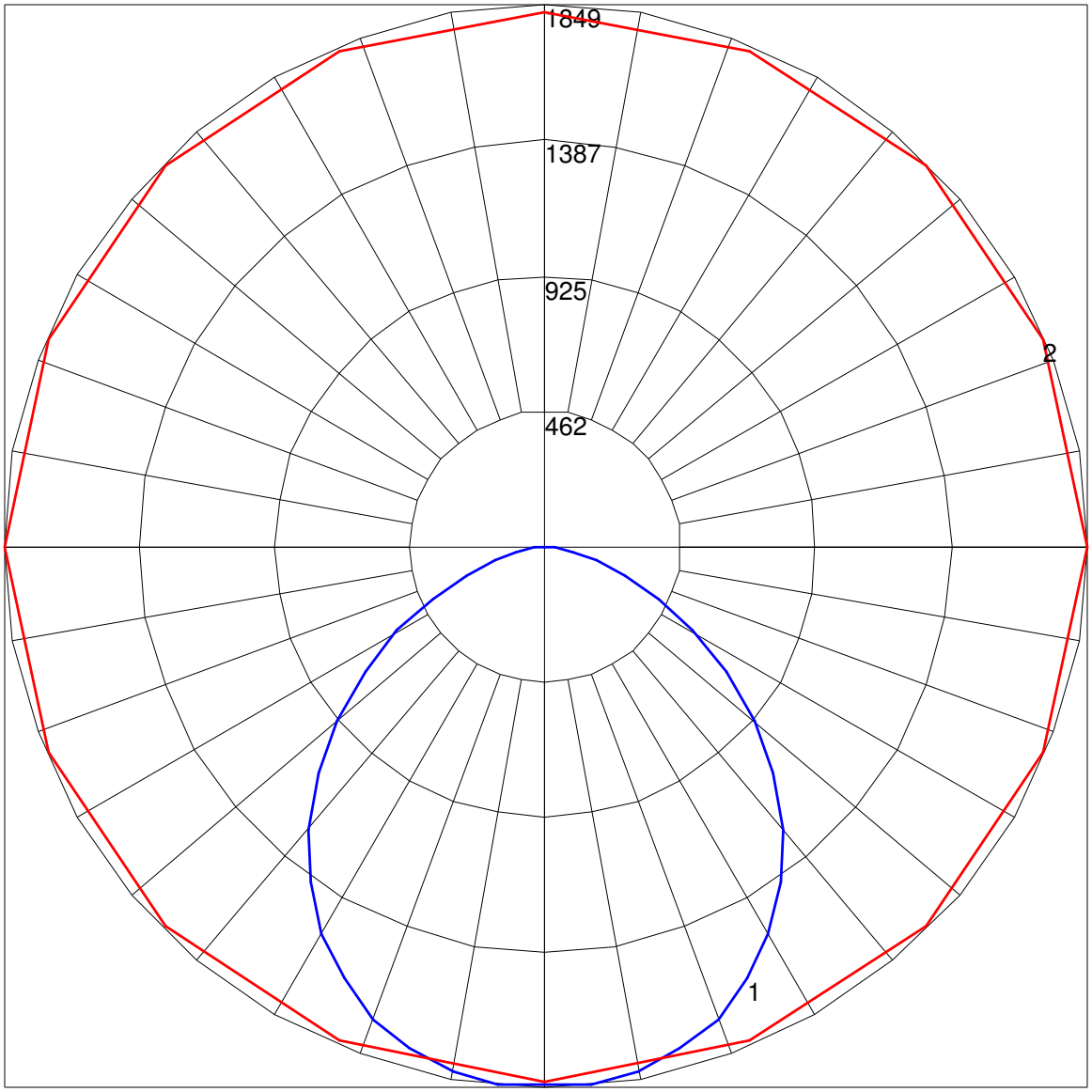
POLAR GRAPH



Maximum Candela = 1849.374 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)