IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-24-L62-8FS-RA-XXX-XXX_3500K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]GEN FROM BALLABS TEST NO. 19235.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUEDATE] 17-FEB-2016
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
[LUMINAIRE] 2-22" LED ARRAYS 2x4'RECESSED LUMINAIRE
[MORE] WHITE REFLECTOR w/RIBBED FROSTED ACRYLIC CENTER DIFFUSER
[MORE] EVERLINE DRIVER #D21CC80UNVTZ-D @ 2100mA
[LUMCAT] PT-24-L62-8FS-RA-xxx-xxx
[LAMPCAT] M700C835D72N2S
[_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	6208
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	55
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2662	2809	2953
55	2387	2612	2821
65	2097	2485	2824
75	1623	2493	3086
85	980	3271	3748

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	2375.046	2375.046	2375.046	2375.046	2375.046
5	2338.780	2335.556	2335.556	2327.497	2323.467
10	2331.527	2331.527	2335.556	2338.780	2338.780
15	2270.277	2273.500	2277.530	2283.171	2287.201
20	2120.376	2128.435	2138.106	2151.000	2155.030
25	2000.293	2007.547	2026.889	2043.813	2051.872
30	1752.876	1698.879	1919.701	1856.034	1846.363
35	1616.676	1631.988	1668.254	1698.879	1710.968
40	1438.567	1457.909	1498.205	1538.501	1553.814
45	1314.456	1331.380	1386.988	1438.567	1457.909
50	1141.989	1168.584	1229.834	1283.831	1302.367
55	955.821	984.834	1046.084	1107.334	1129.900
60	779.325	809.950	879.259	942.120	965.492
65	618.947	659.243	733.387	806.726	833.321
70	456.151	503.700	591.545	668.914	695.509
75	293.355	352.187	450.509	528.684	557.697
80	161.184	237.746	350.575	427.138	450.509
85	59.638	136.200	199.062	224.046	228.075
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	860.95	N.A.	13.90
0-30	1784.31	N.A.	28.70
0-40	2825.2	N.A.	45.50
0-60	4824.82	N.A.	77.70
0-80	6022.5	N.A.	97.00
0-90	6208.16	N.A.	100.00
10-90	5984.9	N.A.	96.40
20-40	1964.25	N.A.	31.60
20-50	3025.92	N.A.	48.70
40-70	2723.68	N.A.	43.90
60-80	1197.68	N.A.	19.30
70-80	473.63	N.A.	7.60
80-90	185.66	N.A.	3.00
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	6208.16	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	223.25
10-20	637.70
20-30	923.36
30-40	1040.88
40-50	1061.67
50-60	937.96
60-70	724.05
70-80	473.63
80-90	185.66
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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	33	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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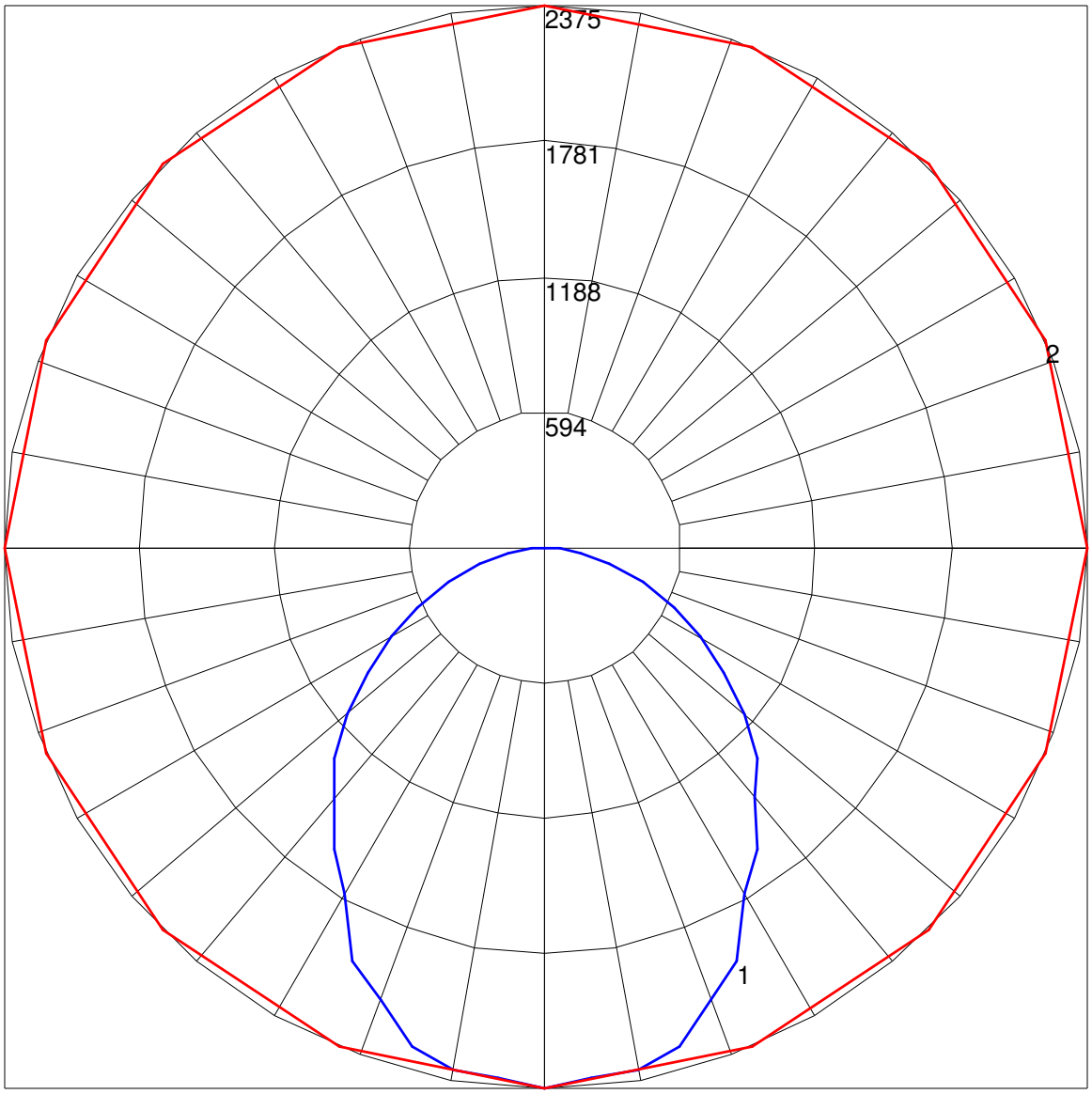
POLAR GRAPH



Maximum Candela = 2375.046 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.)