IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-24-P65-835-RA-POEX.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
[LUMCAT] PT-24-P65-835-RA-POEx
[LAMPCAT] HLM
[_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	6550
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	50
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	2809	2964	3115
55	2518	2756	2977
65	2213	2622	2979
75	1713	2630	3256
85	1034	3451	3954

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	2505.893	2505.893	2505.893	2505.893	2505.893
5	2467.629	2464.227	2464.227	2455.724	2451.473
10	2459.976	2459.976	2464.227	2467.629	2467.629
15	2395.351	2398.753	2403.004	2408.957	2413.208
20	2237.192	2245.695	2255.899	2269.504	2273.756
25	2110.494	2118.147	2138.555	2156.411	2164.915
30	1849.446	1792.475	2025.462	1958.287	1948.083
35	1705.742	1721.898	1760.162	1792.475	1805.229
40	1517.821	1538.229	1580.745	1623.261	1639.417
45	1386.872	1404.729	1463.401	1517.821	1538.229
50	1204.903	1232.964	1297.588	1354.560	1374.117
55	1008.479	1039.091	1103.715	1168.340	1192.149
60	822.259	854.572	927.699	994.024	1018.683
65	653.046	695.562	773.791	851.170	879.231
70	481.281	531.450	624.135	705.766	733.826
75	309.516	371.590	475.329	557.810	588.421
80	170.064	250.844	369.889	450.670	475.329
85	62.924	143.704	210.029	236.389	240.641
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	908.38	N.A.	13.90
0-30	1882.62	N.A.	28.70
0-40	2980.84	N.A.	45.50
0-60	5090.63	N.A.	77.70
0-80	6354.3	N.A.	97.00
0-90	6550.18	N.A.	100.00
10-90	6314.63	N.A.	96.40
20-40	2072.46	N.A.	31.60
20-50	3192.62	N.A.	48.70
40-70	2873.73	N.A.	43.90
60-80	1263.66	N.A.	19.30
70-80	499.72	N.A.	7.60
80-90	195.89	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	6550.18	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	235.55
10-20	672.83
20-30	974.23
30-40	1098.23
40-50	1120.16
50-60	989.63
60-70	763.94
70-80	499.72
80-90	195.89
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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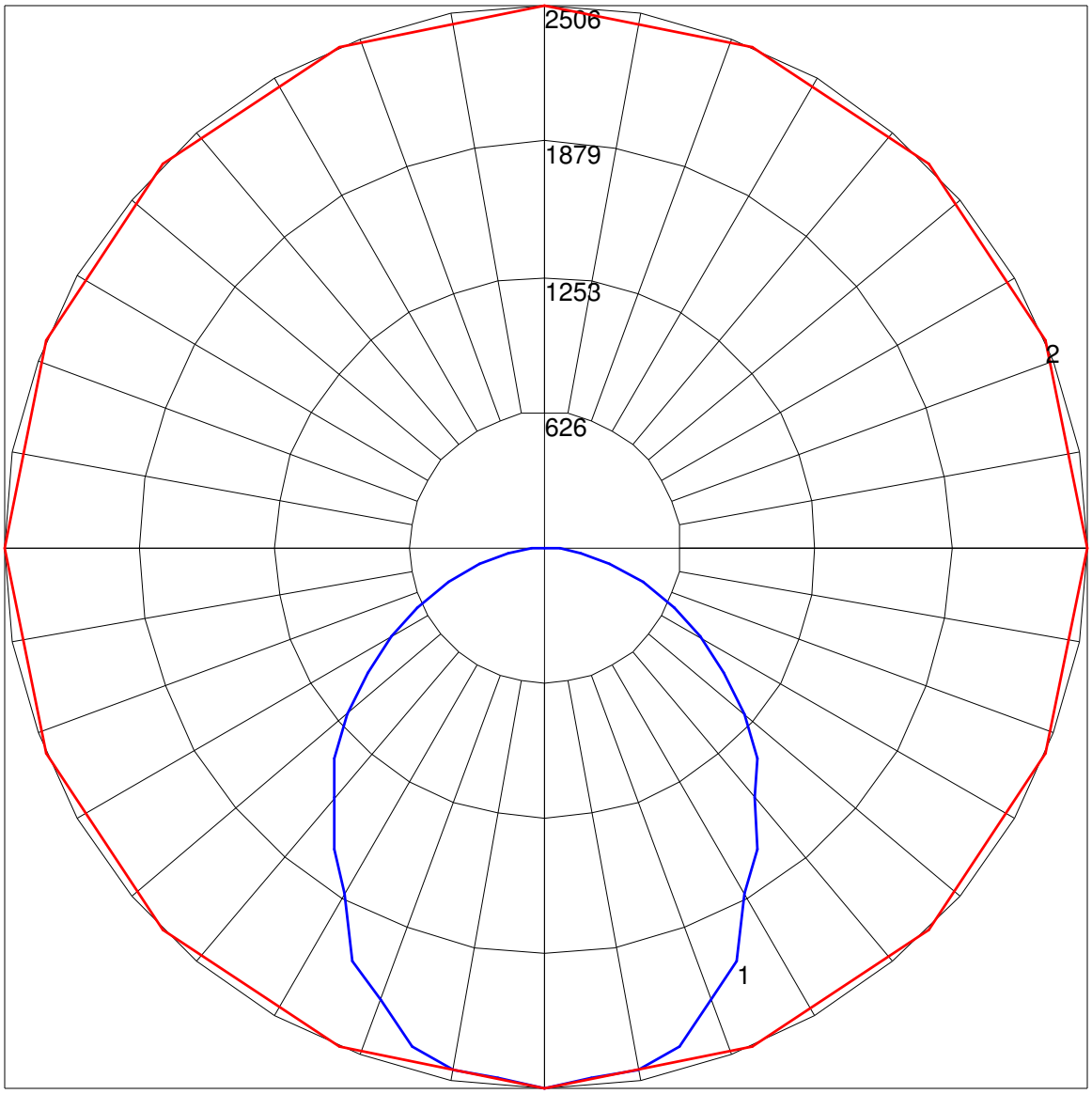
POLAR GRAPH



Maximum Candela = 2505.893 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.)