IES INDOOR REPORT
PHOTOMETRIC FILENAME : PTR-22-L26-835-RA-TBOX.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] PTR-22-L26-835-RA-xxx-xxx
[LAMPCAT] M700C840D72N2A
[_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	2632
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	21.3
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	2473	2565	2648
55	2091	2304	2458
65	1598	1999	2223
75	1111	1773	2191
85	633	1446	1808

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	1005.855	1005.855	1005.855	1005.855	1005.855
5	1009.238	1003.150	1001.797	998.415	998.415
10	995.709	989.621	988.945	985.562	984.886
15	972.034	965.270	964.593	963.240	962.564
20	938.212	932.124	931.448	932.124	932.124
25	890.862	884.774	888.833	891.538	888.833
30	832.689	829.983	834.042	838.777	835.394
35	765.722	765.045	773.839	777.221	780.603
40	688.609	688.609	703.490	709.578	714.989
45	600.672	600.672	622.995	637.200	643.288
50	508.001	508.677	538.440	557.381	566.174
55	411.948	419.388	453.886	474.179	484.326
60	317.923	332.805	367.303	389.625	400.448
65	232.016	251.633	290.190	314.541	322.658
70	156.256	180.608	219.164	244.192	253.662
75	98.759	122.434	157.609	182.637	194.813
80	53.438	73.731	104.847	122.434	134.610
85	18.940	33.145	43.292	43.292	54.115
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	367.50	N.A.	14.00
0-30	776.58	N.A.	29.50
0-40	1258.95	N.A.	47.80
0-60	2138.76	N.A.	81.30
0-80	2583.72	N.A.	98.20
0-90	2631.87	N.A.	100.00
10-90	2536.66	N.A.	96.40
20-40	891.44	N.A.	33.90
20-50	1369.75	N.A.	52.00
40-70	1162.28	N.A.	44.20
60-80	444.96	N.A.	16.90
70-80	162.49	N.A.	6.20
80-90	48.15	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	2631.87	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.20
10-20	272.30
20-30	409.08
30-40	482.36
40-50	478.31
50-60	401.51
60-70	282.46
70-80	162.49
80-90	48.15
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	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	81	73	66	88	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	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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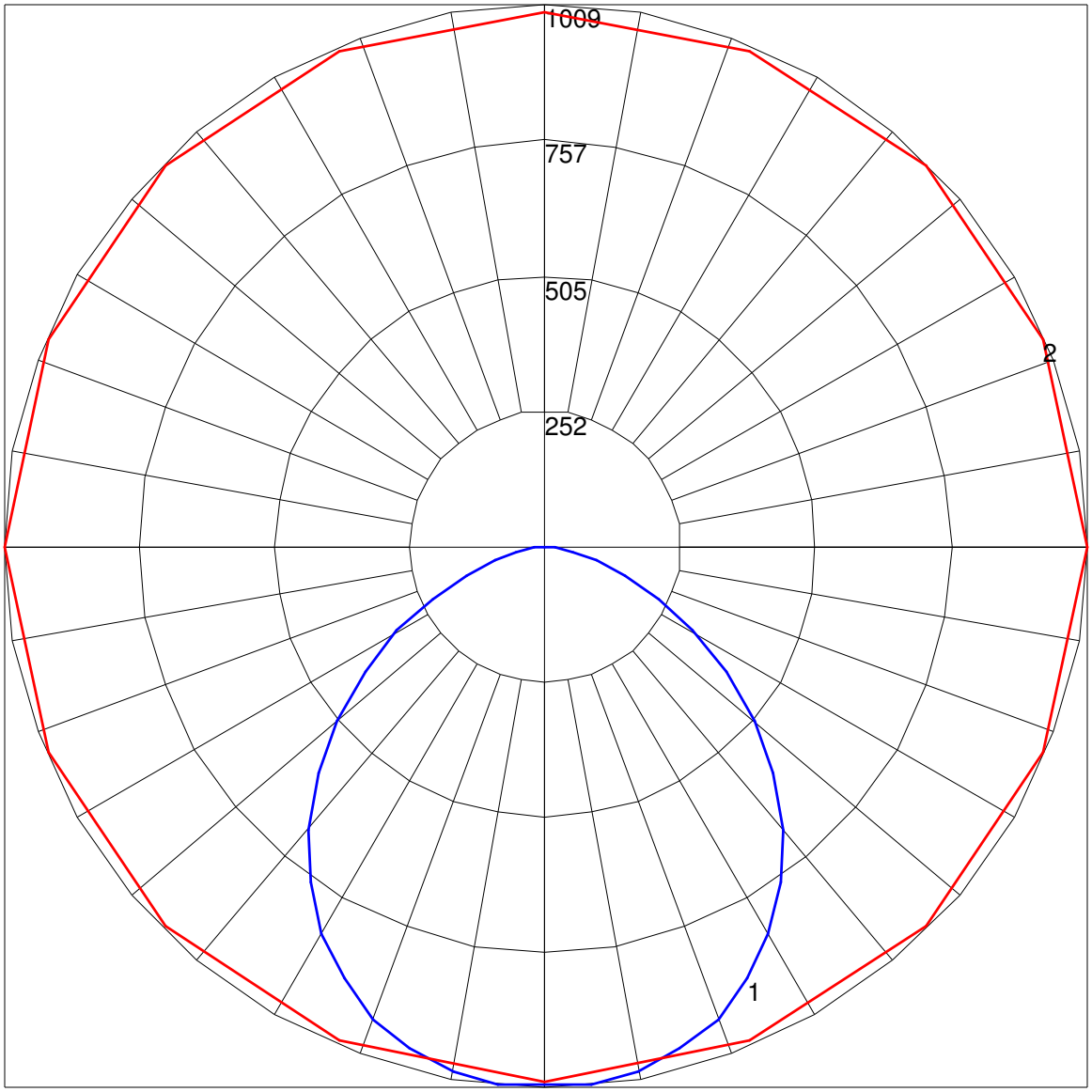
POLAR GRAPH



Maximum Candela = 1009.238 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.)