IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-14-L25-8FS-SA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]GEN from BALLABS TEST NO. 20790.0
[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
[ISSUEDATE] 03-MAY-2019
[MANUFAC] WILLIAMS INDOOR
[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
[LUMINAIRE] 2-84 LED 22"ARRAYS w/WHITE REFLECTOR
[MORE] FROST SQUARED RIBBED LENS - 1x4 RECESSED LUMINAIRE
[MORE] ADVANCE #XI075C200V054BST1 @ 1525mA
[LUMCAT] PT-14-L25-8FS-SA-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2514
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	19.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2246	2177	2161
55	2021	2033	2078
65	1766	1955	2141
75	1426	1973	2462
85	661	2130	2574

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	979.063	979.063	979.063	979.063	979.063
5	983.927	973.118	967.713	954.201	966.632
10	965.011	953.390	946.364	945.013	946.905
15	933.123	921.773	915.557	913.396	911.774
20	890.696	879.616	869.347	864.213	865.023
25	837.730	828.542	824.218	810.706	805.572
30	775.846	766.388	756.659	749.363	745.309
35	711.530	702.882	691.262	681.263	675.588
40	637.756	630.729	618.569	610.732	606.138
45	566.413	558.306	548.848	544.524	544.795
50	491.018	488.586	478.317	480.208	482.640
55	413.460	413.460	415.892	422.378	425.080
60	341.307	342.929	354.008	365.088	371.844
65	266.182	275.910	294.557	313.743	322.661
70	194.029	210.243	236.996	262.669	273.208
75	131.605	148.359	182.139	215.378	227.268
80	68.910	97.555	132.686	167.816	178.896
85	20.538	46.210	66.208	75.125	79.990
90	0.000	0.811	1.081	1.892	1.081

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	350.32	N.A.	13.90
0-30	727.88	N.A.	29.00
0-40	1160.5	N.A.	46.20
0-60	1961.26	N.A.	78.00
0-80	2445.93	N.A.	97.30
0-90	2514.11	N.A.	100.00
10-90	2422.24	N.A.	96.30
20-40	810.18	N.A.	32.20
20-50	1236.44	N.A.	49.20
40-70	1092.94	N.A.	43.50
60-80	484.67	N.A.	19.30
70-80	192.49	N.A.	7.70
80-90	68.19	N.A.	2.70
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	2514.11	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.88
10-20	258.44
20-30	377.56
30-40	432.61
40-50	426.26
50-60	374.50
60-70	292.18
70-80	192.49
80-90	68.19
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	32	32	32	32	31	31	31	31	30	30	30	29	29	29	28	28	28	27
1	29	28	27	26	29	27	26	25	26	25	24	25	24	24	24	24	23	22
2	27	24	23	21	26	24	22	21	23	21	20	22	21	20	21	20	19	19
3	24	21	19	17	24	21	19	17	20	18	17	19	18	17	19	17	16	16
4	22	19	17	15	22	19	16	15	18	16	15	17	16	14	17	15	14	14
5	21	17	15	13	20	17	14	13	16	14	13	16	14	12	15	14	12	12
6	19	15	13	11	18	15	13	11	15	13	11	14	12	11	14	12	11	10
7	18	14	12	10	17	14	12	10	13	11	10	13	11	10	13	11	10	9
8	16	13	11	9	16	13	10	9	12	10	9	12	10	9	12	10	9	8
9	15	12	10	8	15	12	9	8	11	9	8	11	9	8	11	9	8	7
10	14	11	9	7	14	11	9	7	10	9	7	10	8	7	10	8	7	7

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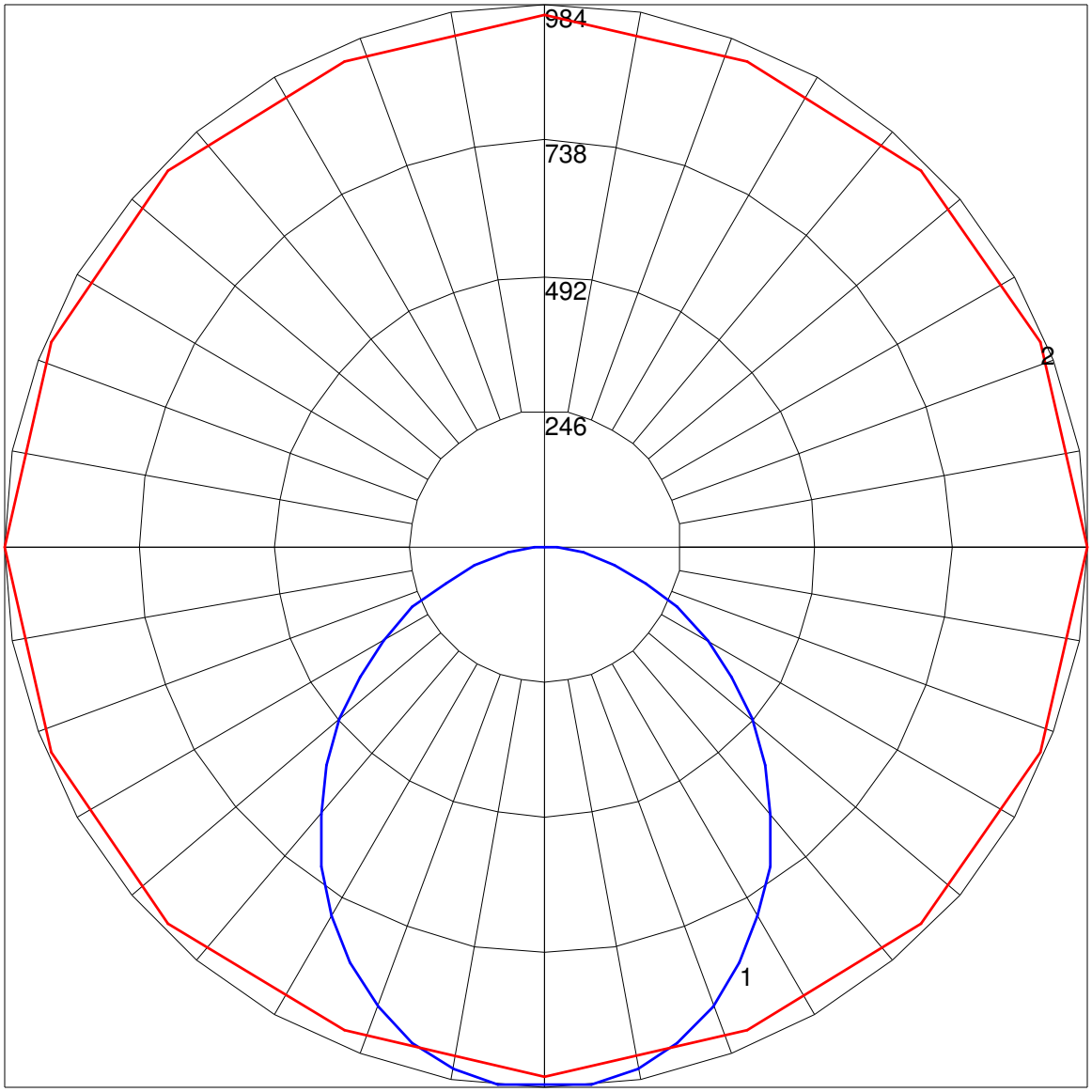
POLAR GRAPH



Maximum Candela = 983.927 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.)