IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-14-L50-8FS-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-L50-8FS-SA-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5117
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	42.6
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	4572	4430	4398
55	4115	4139	4230
65	3595	3978	4358
75	2902	4017	5012
85	1345	4336	5239

Photometric Toolbox Professional Edition - Copyright 2002-2015 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-14-L50-8FS-SA.IES

CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	1992.786	1992.786	1992.786	1992.786	1992.786
5	2002.687	1980.685	1969.685	1942.183	1967.485
10	1964.184	1940.533	1926.232	1923.482	1927.332
15	1899.280	1876.178	1863.527	1859.127	1855.827
20	1812.924	1790.372	1769.471	1759.020	1760.670
25	1705.117	1686.415	1677.615	1650.113	1639.662
30	1579.158	1559.907	1540.105	1525.254	1517.004
35	1448.249	1430.648	1406.996	1386.645	1375.094
40	1298.089	1283.788	1259.036	1243.085	1233.734
45	1152.879	1136.378	1117.126	1108.326	1108.876
50	999.418	994.468	973.567	977.417	982.367
55	841.558	841.558	846.508	859.709	865.209
60	694.698	697.998	720.549	743.101	756.852
65	541.787	561.588	599.541	638.594	656.745
70	394.927	427.929	482.383	534.637	556.088
75	267.868	301.971	370.725	438.380	462.582
80	140.260	198.564	270.068	341.573	364.125
85	41.803	94.056	134.759	152.910	162.811
90	0.000	1.650	2.200	3.850	2.200

Photometric Toolbox Professional Edition - Copyright 2002-2015 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-14-L50-8FS-SA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	713.04	N.A.	13.90
0-30	1481.54	N.A.	29.00
0-40	2362.08	N.A.	46.20
0-60	3991.95	N.A.	78.00
0-80	4978.45	N.A.	97.30
0-90	5117.23	N.A.	100.00
10-90	4930.23	N.A.	96.30
20-40	1649.04	N.A.	32.20
20-50	2516.65	N.A.	49.20
40-70	2224.58	N.A.	43.50
60-80	986.50	N.A.	19.30
70-80	391.79	N.A.	7.70
80-90	138.79	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	5117.23	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	187.00
10-20	526.04
20-30	768.49
30-40	880.54
40-50	867.62
50-60	762.25
60-70	594.71
70-80	391.79
80-90	138.79
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

Photometric Toolbox Professional Edition - Copyright 2002-2015 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-14-L50-8FS-SA.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

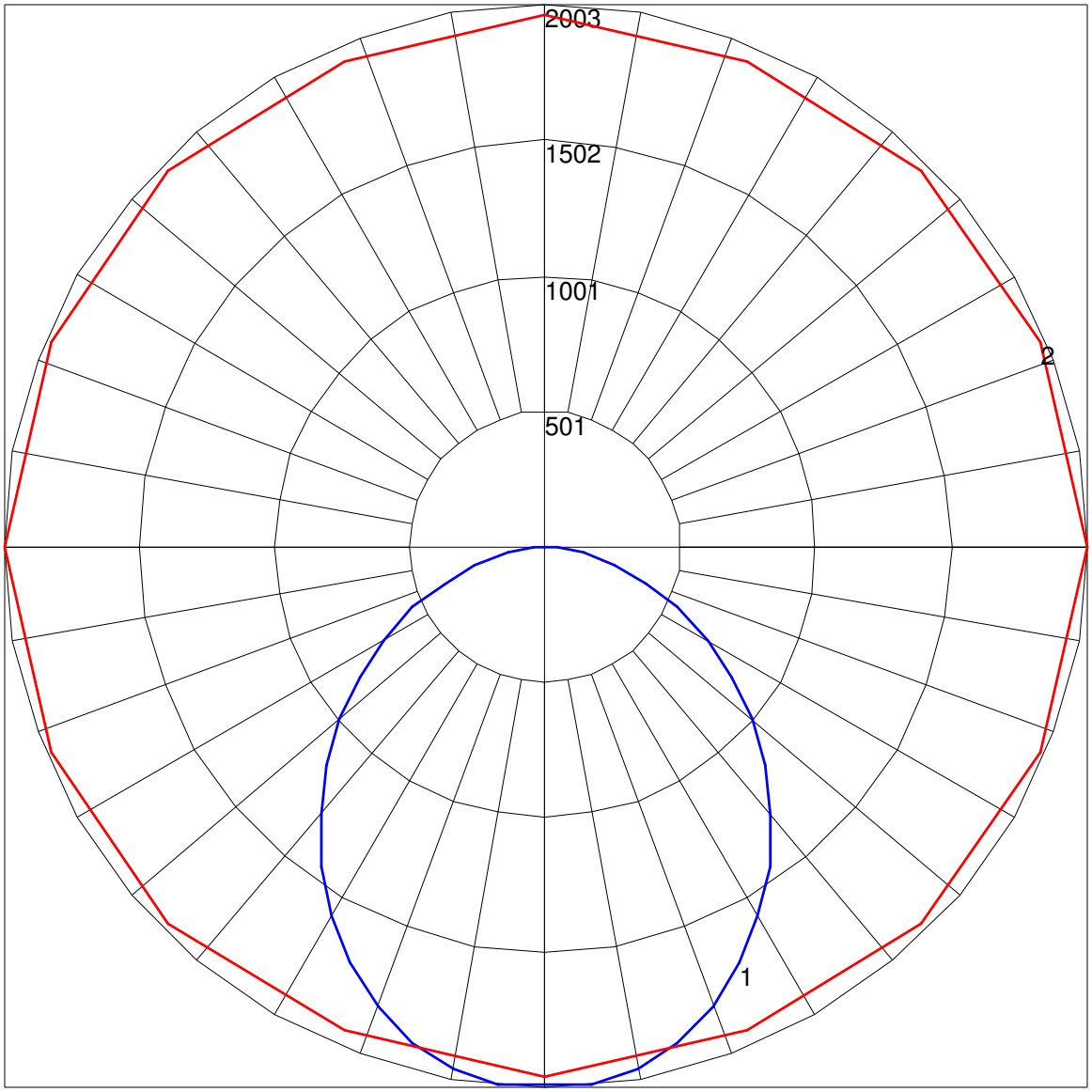
Effective Floor Cavity Reflectance 0.20

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	242	242	242	242	237	237	237	237	226	226	226	217	217	217	208	208	208	204
1	221	211	202	194	215	206	198	190	197	191	184	189	184	179	182	178	173	169
2	201	184	170	158	195	180	167	156	173	162	152	166	157	149	160	152	145	141
3	183	162	145	131	178	158	143	130	152	139	128	147	135	126	141	132	123	119
4	168	143	125	112	163	141	124	111	136	121	109	131	118	108	126	115	106	102
5	155	128	110	97	150	126	109	96	122	107	95	118	104	94	114	102	93	89
6	143	116	98	85	139	114	97	84	110	95	84	107	93	83	104	92	82	78
7	133	105	88	75	129	104	87	75	101	85	74	98	84	74	95	83	73	69
8	124	96	79	67	121	95	79	67	92	77	67	90	76	66	87	75	66	62
9	116	89	72	61	113	87	72	61	85	71	60	83	70	60	81	69	60	56
10	109	82	66	55	106	81	66	55	79	65	55	77	64	55	75	63	54	51

Photometric Toolbox Professional Edition - Copyright 2002-2015 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PT-14-L50-8FS-SA.IES

POLAR GRAPH



Maximum Candela = 2002.687 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.)