



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTS-14-L37-8FS-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
 [ISSUE DATE] 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 SURFACE LUMINAIRE
 [MORE] ADVANCE #XI075C200V054BST1 @ 1525mA
 [LUMCAT] PTS-14-L37-8FS-SA-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3784
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	30.8
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	3381	3276	3252
55	3043	3061	3128
65	2659	2942	3223
75	2146	2970	3706
85	995	3206	3874

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	599.411	599.411	599.411	599.411	599.411
5	602.389	595.771	592.462	584.190	591.800
10	590.808	583.693	579.392	578.564	579.723
15	571.285	564.336	560.531	559.208	558.215
20	545.310	538.527	532.240	529.096	529.592
25	512.883	507.257	504.610	496.338	493.194
30	474.996	469.205	463.249	458.782	456.300
35	435.619	430.325	423.211	417.089	413.615
40	390.452	386.151	378.706	373.908	371.095
45	346.775	341.812	336.021	333.374	333.539
50	300.615	299.126	292.839	293.998	295.486
55	253.132	253.132	254.621	258.592	260.247
60	208.958	209.951	216.734	223.518	227.654
65	162.964	168.920	180.336	192.083	197.542
70	118.790	128.717	145.096	160.813	167.266
75	80.572	90.830	111.511	131.860	139.140
80	42.189	59.726	81.234	102.742	109.525
85	12.574	28.291	40.534	45.994	48.972
90	0.000	0.496	0.662	1.158	0.662

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	527.29	N.A.	13.90
0-30	1095.59	N.A.	29.00
0-40	1746.75	N.A.	46.20
0-60	2952.03	N.A.	78.00
0-80	3681.54	N.A.	97.30
0-90	3784.17	N.A.	100.00
10-90	3645.88	N.A.	96.30
20-40	1219.46	N.A.	32.20
20-50	1861.05	N.A.	49.20
40-70	1645.07	N.A.	43.50
60-80	729.51	N.A.	19.30
70-80	289.72	N.A.	7.70
80-90	102.63	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	3784.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	138.29
10-20	389.00
20-30	568.30
30-40	651.16
40-50	641.60
50-60	563.68
60-70	439.79
70-80	289.72
80-90	102.63
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

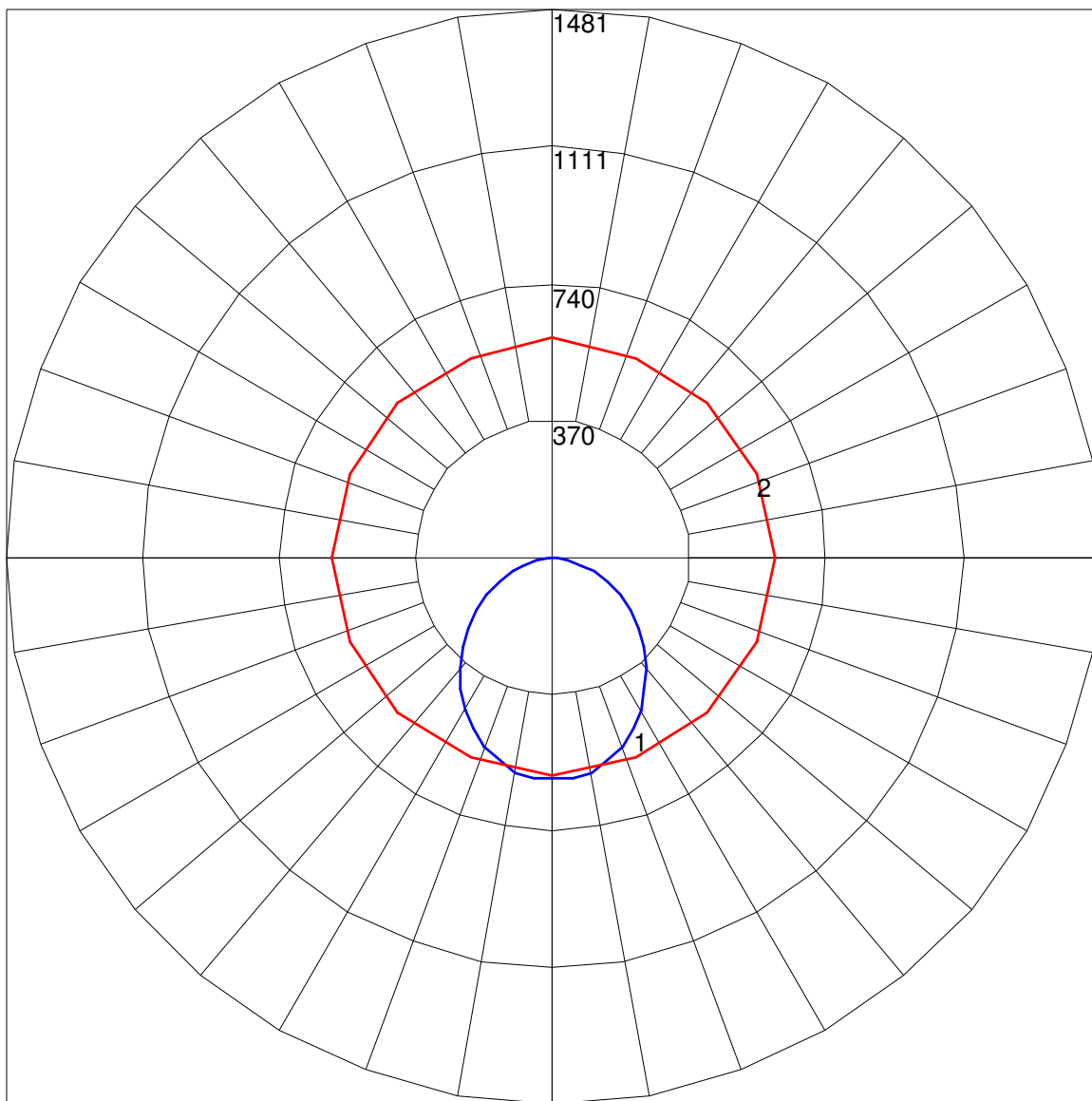
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	56	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1480.979 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.)