



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75-8-P145-8TW-POEN 4000K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 17875.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 25-OCT-2019

[MANUFAC] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] 8' PoE STRIP w/WHITE REFLECTOR

[LUMCAT] 75-8-P145/8TW-PoEN 4000k

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14580
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	159
Total Luminaire Watts	91.59
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.62 ft
Luminous Width (90-270)	0.22 ft
Luminous Height	0.01 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	31460	30086	29667
55	30678	29011	28401
65	28608	26343	25501
75	24149	21321	20410
85	12737	12084	9926

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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	4950.137	4950.137	4950.137	4950.137	4950.137
5	4986.307	4955.305	4934.636	4920.857	4915.690
10	4931.191	4900.188	4876.075	4862.296	4855.406
15	4848.517	4808.902	4784.788	4764.120	4771.009
20	4717.615	4684.890	4657.332	4636.663	4648.720
25	4552.266	4524.708	4485.093	4467.869	4460.980
30	4366.249	4326.634	4281.852	4268.073	4231.902
35	4128.559	4095.834	4044.162	4033.828	3995.936
40	3852.977	3784.082	3756.524	3737.578	3727.243
45	3530.891	3446.494	3429.271	3413.769	3401.712
50	3174.357	3096.850	3083.071	3076.181	3036.567
55	2793.710	2712.758	2700.701	2700.701	2666.254
60	2380.337	2307.997	2273.550	2289.051	2237.379
65	1920.460	1867.066	1827.452	1860.177	1791.281
70	1455.416	1388.243	1367.574	1402.022	1348.628
75	993.817	928.366	928.366	928.366	907.697
80	528.773	518.438	518.438	509.826	489.158
85	177.406	186.018	198.074	189.462	172.239
90	15.501	15.501	24.113	15.501	15.501
95	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1822.98	N.A.	12.50
0-30	3896.24	N.A.	26.70
0-40	6431.99	N.A.	44.10
0-60	11504.12	N.A.	78.90
0-80	14328.29	N.A.	98.30
0-90	14574.83	N.A.	100.00
10-90	14105.18	N.A.	96.70
20-40	4609.01	N.A.	31.60
20-50	7262.62	N.A.	49.80
40-70	6901.44	N.A.	47.30
60-80	2824.17	N.A.	19.40
70-80	994.85	N.A.	6.80
80-90	246.54	N.A.	1.70
90-110	4.83	N.A.	0.00
90-120	4.83	N.A.	0.00
90-130	4.83	N.A.	0.00
90-150	4.83	N.A.	0.00
90-180	4.83	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	14579.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	469.65
10-20	1353.33
20-30	2073.26
30-40	2535.75
40-50	2653.61
50-60	2418.52
60-70	1829.32
70-80	994.85
80-90	246.54
90-100	4.83
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	237	237	237	237	231	231	231	231	221	221	221	211	211	211	203	203	203	199
1	216	207	198	190	211	202	194	187	194	187	181	186	181	176	179	174	171	166
2	196	180	166	155	191	176	164	153	169	158	149	162	154	146	156	149	143	138
3	179	158	141	128	174	155	139	127	149	136	125	143	132	123	138	129	120	116
4	164	139	122	108	159	137	120	108	132	117	106	127	115	105	123	112	103	99
5	150	124	106	93	146	122	105	93	118	103	91	114	101	90	110	99	89	85
6	139	112	94	81	135	110	93	81	106	91	80	103	89	79	100	88	78	74
7	128	101	84	71	125	100	83	71	97	82	71	94	80	70	91	79	70	66
8	119	92	75	64	116	91	75	63	88	73	63	86	72	63	83	71	62	58
9	112	85	68	57	109	83	68	57	81	67	57	79	66	56	77	65	56	52
10	105	78	62	52	102	77	62	52	75	61	51	73	60	51	71	59	51	47

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UGR TABLE - CORRECTED

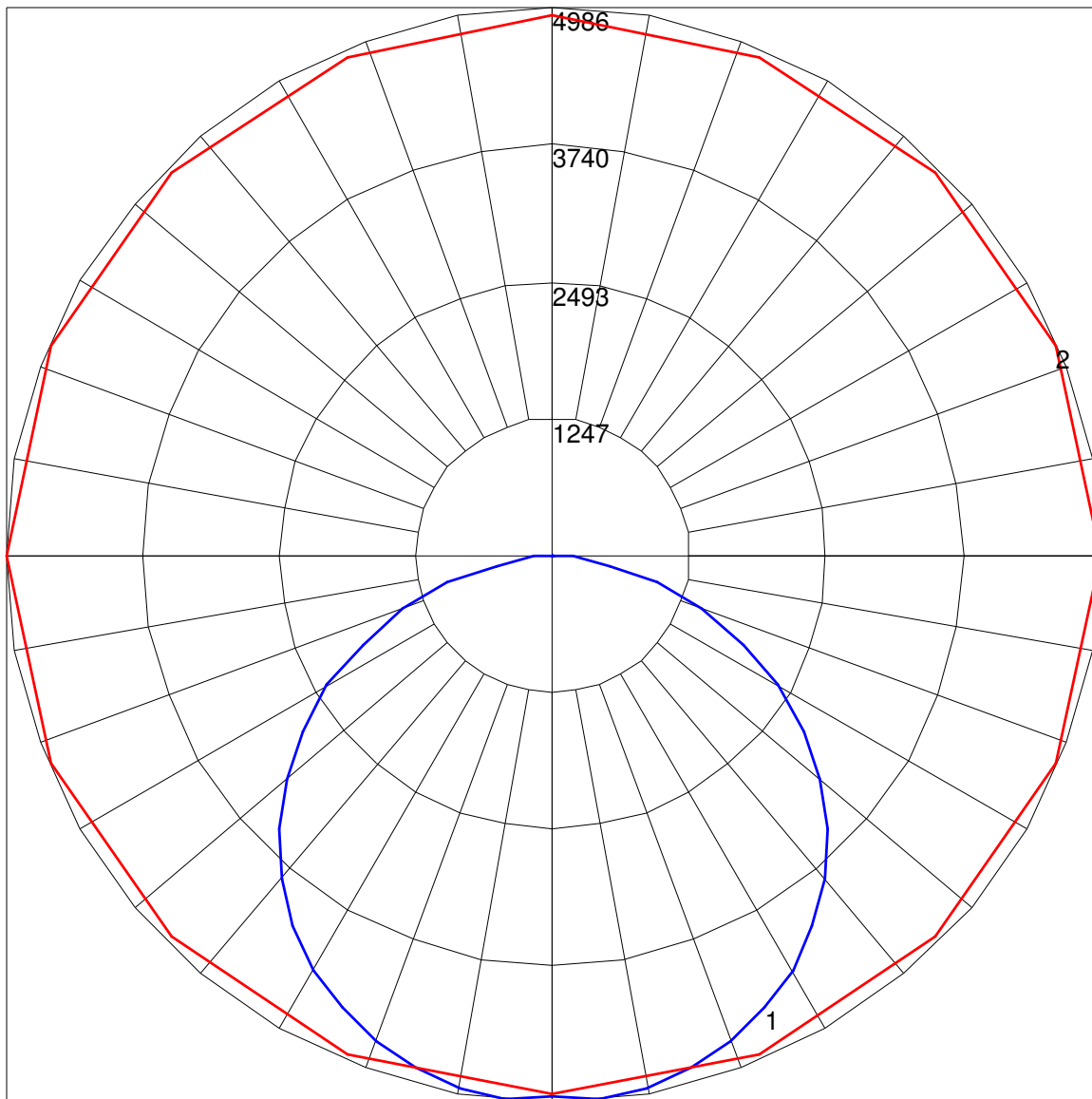
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	21.6	23.3	22.0	23.6	23.9	21.5	23.2	21.9	23.5	23.8
	3H	23.4	24.9	23.8	25.3	25.6	23.3	24.8	23.7	25.1	25.5
	4H	24.1	25.5	24.5	25.8	26.2	23.9	25.3	24.3	25.6	26.0
	6H	24.5	25.8	24.9	26.2	26.5	24.3	25.6	24.7	25.9	26.3
	8H	24.6	25.8	25.0	26.2	26.6	24.4	25.6	24.8	26.0	26.4
	12H	24.7	25.9	25.1	26.2	26.7	24.4	25.6	24.9	26.0	26.4
4H	2H	22.2	23.6	22.6	24.0	24.4	22.1	23.6	22.5	23.9	24.3
	3H	24.2	25.4	24.6	25.8	26.2	24.1	25.3	24.5	25.7	26.1
	4H	25.0	26.0	25.4	26.4	26.9	24.8	25.9	25.3	26.3	26.7
	6H	25.5	26.4	25.9	26.9	27.3	25.3	26.2	25.8	26.7	27.1
	8H	25.6	26.5	26.1	27.0	27.4	25.5	26.3	25.9	26.8	27.2
	12H	25.7	26.5	26.2	27.0	27.4	25.5	26.3	26.0	26.8	27.3
8H	4H	25.2	26.1	25.7	26.5	27.0	25.1	26.0	25.5	26.4	26.9
	6H	25.8	26.6	26.3	27.0	27.5	25.7	26.4	26.2	26.9	27.4
	8H	26.1	26.7	26.6	27.2	27.7	25.9	26.5	26.4	27.0	27.5
	12H	26.2	26.7	26.7	27.2	27.8	26.0	26.6	26.5	27.1	27.6
12H	4H	25.2	26.0	25.7	26.5	27.0	25.1	25.9	25.6	26.4	26.8
	6H	25.9	26.5	26.4	27.0	27.5	25.7	26.4	26.3	26.8	27.4
	8H	26.1	26.7	26.6	27.2	27.7	26.0	26.5	26.5	27.0	27.6

Maximum UGR = 27.8

POLAR GRAPH



Maximum Candela = 4986.307 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.)