



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-8-L120-8FS-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 19745.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 04-NOV-2019

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 8' SURFACE MOUNT STRIP LUMINAIRE

[MORE] WHITE REFLECTOR w/FROSTED ACRYLIC SQUARE LENS

[LUMCAT] 75S-8-L120-8FS-DIM-UNV

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Commercial, Industrial, Manufacturing, Utility, Warehouse, Linear

[_SEARCH_MOUNTING] Surface, Suspended

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11420
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	76.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.44 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20784	16690	15684
55	17702	14017	14054
65	14006	12007	12766
75	9802	9850	11326
85	4687	8412	9929

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-8-L120-8FS-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3853.181	3853.181	3853.181	3853.181	3853.181
5	3886.323	3837.482	3835.738	3827.016	3781.664
10	3820.039	3776.431	3779.920	3769.454	3727.591
15	3713.636	3671.773	3682.238	3671.773	3636.886
20	3535.716	3504.319	3535.716	3520.018	3483.387
25	3315.933	3303.723	3331.632	3329.888	3275.814
30	3073.474	3078.707	3110.105	3110.105	3043.821
35	2776.942	2818.805	2834.504	2839.737	2771.709
40	2454.244	2517.039	2503.085	2530.994	2496.108
45	2138.524	2194.342	2190.853	2241.438	2232.717
50	1815.827	1866.412	1906.531	1992.002	2009.445
55	1484.408	1547.203	1636.163	1763.497	1821.060
60	1172.176	1248.926	1400.681	1557.669	1632.674
65	872.155	994.257	1184.387	1364.050	1440.800
70	598.298	758.775	962.859	1158.222	1248.926
75	380.260	533.759	764.008	959.371	1050.075
80	207.573	355.839	600.043	777.962	861.689
85	66.284	218.039	455.265	613.997	692.491
90	0.000	141.289	347.118	495.384	549.458
95	0.000	129.079	324.442	453.521	484.918
100	0.000	122.102	301.766	413.401	441.310
105	0.000	111.636	282.578	382.004	409.913
110	0.000	104.659	263.391	357.584	385.493
115	0.000	95.937	240.715	334.908	361.072
120	0.000	81.983	216.294	303.510	334.908
125	0.000	68.028	195.363	277.345	305.254
130	0.000	55.818	169.198	247.692	266.879
135	0.000	50.585	136.056	214.550	233.738
140	0.000	41.863	106.403	179.664	198.851
145	0.000	33.142	81.983	139.545	158.732
150	0.000	24.420	62.795	106.403	122.102
155	0.000	19.187	50.585	76.750	88.960
160	0.000	0.000	36.631	55.818	62.795
165	0.000	0.000	24.420	40.119	43.608
170	0.000	0.000	0.000	24.420	26.165
175	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-8-L120-8FS-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1398.79	N.A.	12.20
0-30	2925.93	N.A.	25.60
0-40	4683.83	N.A.	41.00
0-60	7870.48	N.A.	68.90
0-80	9828.58	N.A.	86.10
0-90	10296.14	N.A.	90.20
10-90	9932.06	N.A.	87.00
20-40	3285.04	N.A.	28.80
20-50	4990.08	N.A.	43.70
40-70	4351.41	N.A.	38.10
60-80	1958.1	N.A.	17.10
70-80	793.34	N.A.	6.90
80-90	467.56	N.A.	4.10
90-110	575.32	N.A.	5.00
90-120	785.93	N.A.	6.90
90-130	941.09	N.A.	8.20
90-150	1095.07	N.A.	9.60
90-180	1123.93	N.A.	9.80
110-180	548.61	N.A.	4.80
0-180	11420.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	364.07
10-20	1034.72
20-30	1527.14
30-40	1757.91
40-50	1705.03
50-60	1481.62
60-70	1164.76
70-80	793.34
80-90	467.56
90-100	314.79
100-110	260.53
110-120	210.61
120-130	155.16
130-140	100.55
140-150	53.43
150-160	22.36
160-170	6.17
170-180	0.34

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-8-L120-8FS-DIM-UNV_.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	248	248	248	248	240	240	240	240	225	225	225	211	211	211	198	198	198	192
1	225	214	204	196	217	207	198	190	194	187	181	182	177	171	171	167	163	157
2	204	186	172	159	197	181	167	156	170	158	149	159	150	142	150	143	136	130
3	186	164	146	132	179	159	143	130	150	136	125	141	130	120	133	124	116	110
4	171	145	127	113	164	141	124	111	133	119	107	126	113	103	119	108	100	94
5	157	130	111	97	151	127	109	96	120	104	93	113	100	90	107	96	87	82
6	145	117	99	85	140	114	97	84	108	93	81	103	89	79	98	86	77	72
7	135	107	88	75	130	104	87	74	99	83	72	94	80	70	89	78	68	64
8	126	97	80	67	121	95	78	66	90	75	65	86	73	63	82	70	62	57
9	118	89	72	61	113	87	71	60	83	69	59	80	67	57	76	64	56	52
10	110	83	66	55	107	81	65	54	77	63	53	74	61	52	71	59	51	47

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-8-L120-8FS-DIM-UNV_.IES

UGR TABLE - CORRECTED

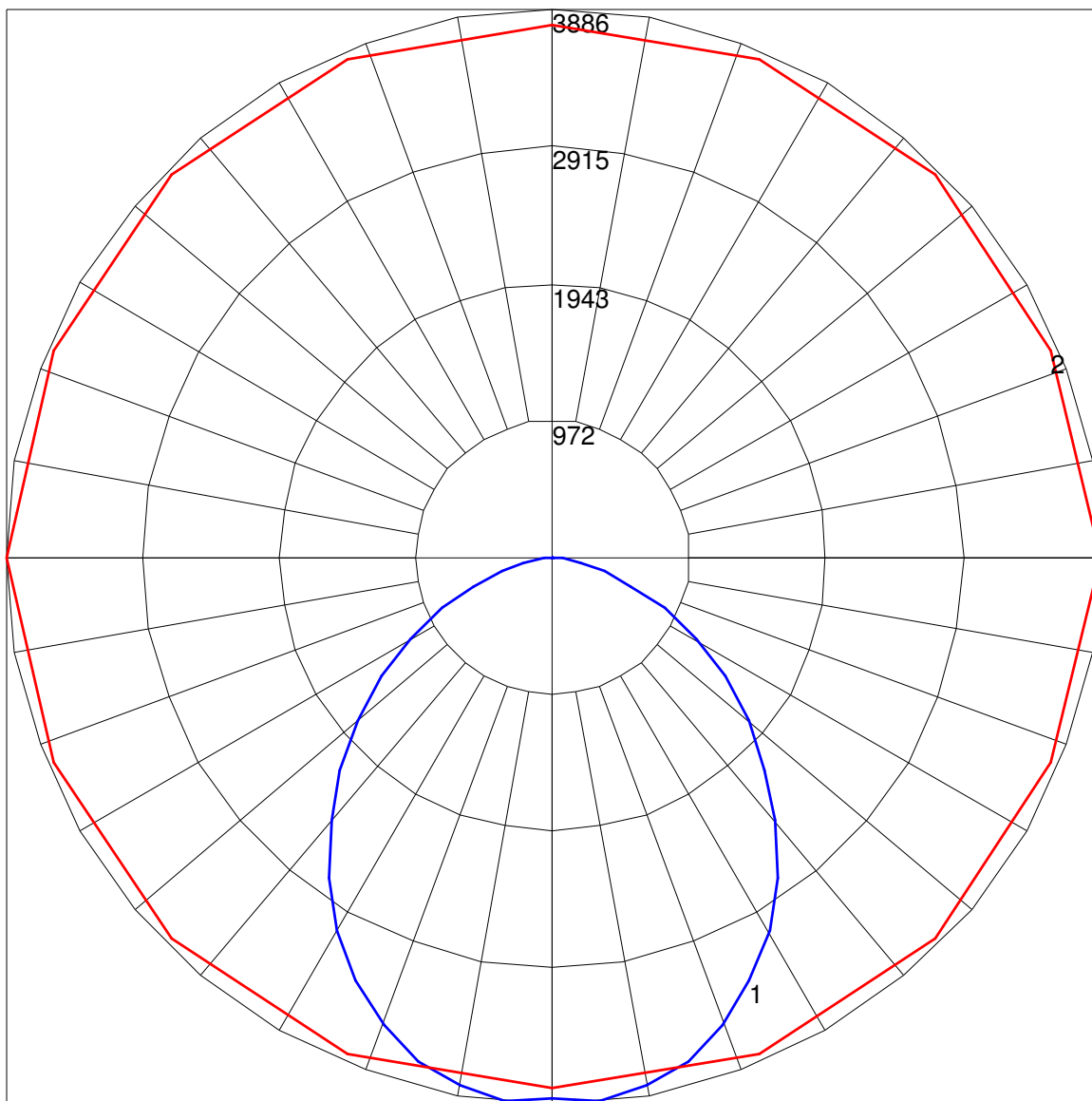
Reflectances

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	17.4	18.9	18.0	19.4	19.9	18.8	20.2	19.3	20.7	21.3
	3H	18.9	20.1	19.4	20.7	21.3	21.2	22.5	21.7	23.0	23.6
	4H	19.3	20.5	19.9	21.1	21.7	22.3	23.5	22.9	24.1	24.7
	6H	19.6	20.7	20.2	21.3	21.9	23.5	24.6	24.1	25.2	25.8
	8H	19.7	20.8	20.3	21.3	22.0	24.1	25.2	24.7	25.7	26.4
	12H	19.7	20.8	20.3	21.3	22.0	24.7	25.8	25.3	26.3	27.0
4H	2H	18.0	19.3	18.6	19.8	20.4	19.1	20.3	19.7	20.9	21.5
	3H	19.7	20.7	20.3	21.3	21.9	21.7	22.8	22.3	23.4	24.0
	4H	20.3	21.2	20.9	21.8	22.5	23.1	24.0	23.6	24.6	25.2
	6H	20.7	21.5	21.3	22.1	22.8	24.4	25.2	25.0	25.8	26.5
	8H	20.8	21.6	21.4	22.2	22.9	25.1	25.9	25.7	26.5	27.2
	12H	20.9	21.6	21.5	22.2	22.9	25.9	26.6	26.5	27.2	27.9
8H	4H	20.7	21.5	21.3	22.1	22.8	23.2	24.0	23.8	24.6	25.3
	6H	21.3	21.9	21.9	22.6	23.3	24.7	25.3	25.3	26.0	26.7
	8H	21.5	22.1	22.1	22.7	23.4	25.5	26.1	26.2	26.8	27.5
	12H	21.6	22.2	22.3	22.8	23.6	26.4	27.0	27.1	27.6	28.4
12H	4H	20.8	21.5	21.4	22.1	22.8	23.2	23.9	23.8	24.5	25.2
	6H	21.5	22.0	22.1	22.7	23.4	24.7	25.3	25.4	25.9	26.7
	8H	21.7	22.3	22.4	22.9	23.7	25.6	26.1	26.2	26.7	27.5

Maximum UGR = 28.4

POLAR GRAPH



Maximum Candela = 3886.323 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.)