



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from BALLABS TEST NO. 17875.0
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUEDATE] 25-OCT-2019
 [MANUFAC] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 8' STRIP w/WHITE REFLECTOR
 [LUMCAT] 75-8-L120-8FS-DIM-UNV

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12149
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
Total Luminaire Watts	76.9
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	26215	25069	24720
55	25563	24174	23665
65	23838	21951	21249
75	20122	17766	17007
85	10613	10069	8271

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75-8-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	4124.776	4124.776	4124.776	4124.776	4124.776
5	4154.916	4129.082	4111.860	4100.378	4096.072
10	4108.989	4083.155	4063.063	4051.581	4045.840
15	4040.099	4007.090	3986.997	3969.774	3975.515
20	3931.024	3903.755	3880.792	3863.569	3873.616
25	3793.244	3770.281	3737.271	3722.919	3717.178
30	3638.242	3605.233	3567.917	3556.436	3526.296
35	3440.184	3412.915	3369.859	3361.248	3329.673
40	3210.551	3153.143	3130.180	3114.393	3105.782
45	2942.168	2871.843	2857.491	2844.574	2834.528
50	2645.081	2580.497	2569.015	2563.274	2530.265
55	2327.901	2260.446	2250.400	2250.400	2221.696
60	1983.452	1923.173	1894.469	1907.386	1864.330
65	1600.252	1555.761	1522.751	1550.020	1492.612
70	1212.747	1156.774	1139.552	1168.256	1123.765
75	828.113	773.575	773.575	773.575	756.353
80	440.608	431.996	431.996	424.820	407.598
85	147.826	155.002	165.048	157.872	143.520
90	12.917	12.917	20.093	12.917	12.917
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

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1519.03	N.A.	12.50
0-30	3246.6	N.A.	26.70
0-40	5359.56	N.A.	44.10
0-60	9585.98	N.A.	78.90
0-80	11939.26	N.A.	98.30
0-90	12144.7	N.A.	100.00
10-90	11753.35	N.A.	96.70
20-40	3840.53	N.A.	31.60
20-50	6051.69	N.A.	49.80
40-70	5750.73	N.A.	47.30
60-80	2353.28	N.A.	19.40
70-80	828.97	N.A.	6.80
80-90	205.44	N.A.	1.70
90-110	4.03	N.A.	0.00
90-120	4.03	N.A.	0.00
90-130	4.03	N.A.	0.00
90-150	4.03	N.A.	0.00
90-180	4.03	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	12148.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	391.35
10-20	1127.68
20-30	1727.58
30-40	2112.95
40-50	2211.16
50-60	2015.27
60-70	1524.3
70-80	828.97
80-90	205.44
90-100	4.03
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75-8-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	253	253	253	253	247	247	247	247	236	236	236	226	226	226	217	217	217	213
1	231	221	212	204	226	216	208	201	207	200	194	199	193	188	191	187	183	178
2	210	193	178	166	205	188	175	164	181	170	160	174	164	156	167	160	153	148
3	191	169	151	137	186	165	149	136	159	145	134	153	141	131	148	138	129	124
4	175	149	130	116	170	146	129	115	141	126	114	136	123	112	131	120	110	106
5	161	133	114	100	156	131	113	99	126	110	98	122	108	97	118	106	96	91
6	148	120	101	87	144	118	100	86	114	98	86	110	96	85	107	94	84	80
7	137	108	90	76	134	107	89	76	103	87	76	100	86	75	97	84	74	70
8	128	99	81	68	124	97	80	68	94	79	67	92	77	67	89	76	67	62
9	119	91	73	61	116	89	72	61	87	71	61	85	70	60	82	69	60	56
10	112	84	67	55	109	82	66	55	80	65	55	78	64	55	76	64	54	51

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75-8-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

X=2H	Y=2H	20.8	22.5	21.2	22.8	23.1	UGR Viewed Endwise			
	3H	22.6	24.1	23.0	24.5	24.8	20.7	22.4	21.1	22.7
	4H	23.3	24.7	23.7	25.0	25.4	22.5	24.0	22.9	24.3
	6H	23.7	25.0	24.1	25.4	25.7	23.1	24.5	23.5	24.8
	8H	23.8	25.0	24.2	25.4	25.8	23.5	24.8	23.9	25.1
	12H	23.9	25.1	24.3	25.4	25.9	23.6	24.8	24.0	25.2

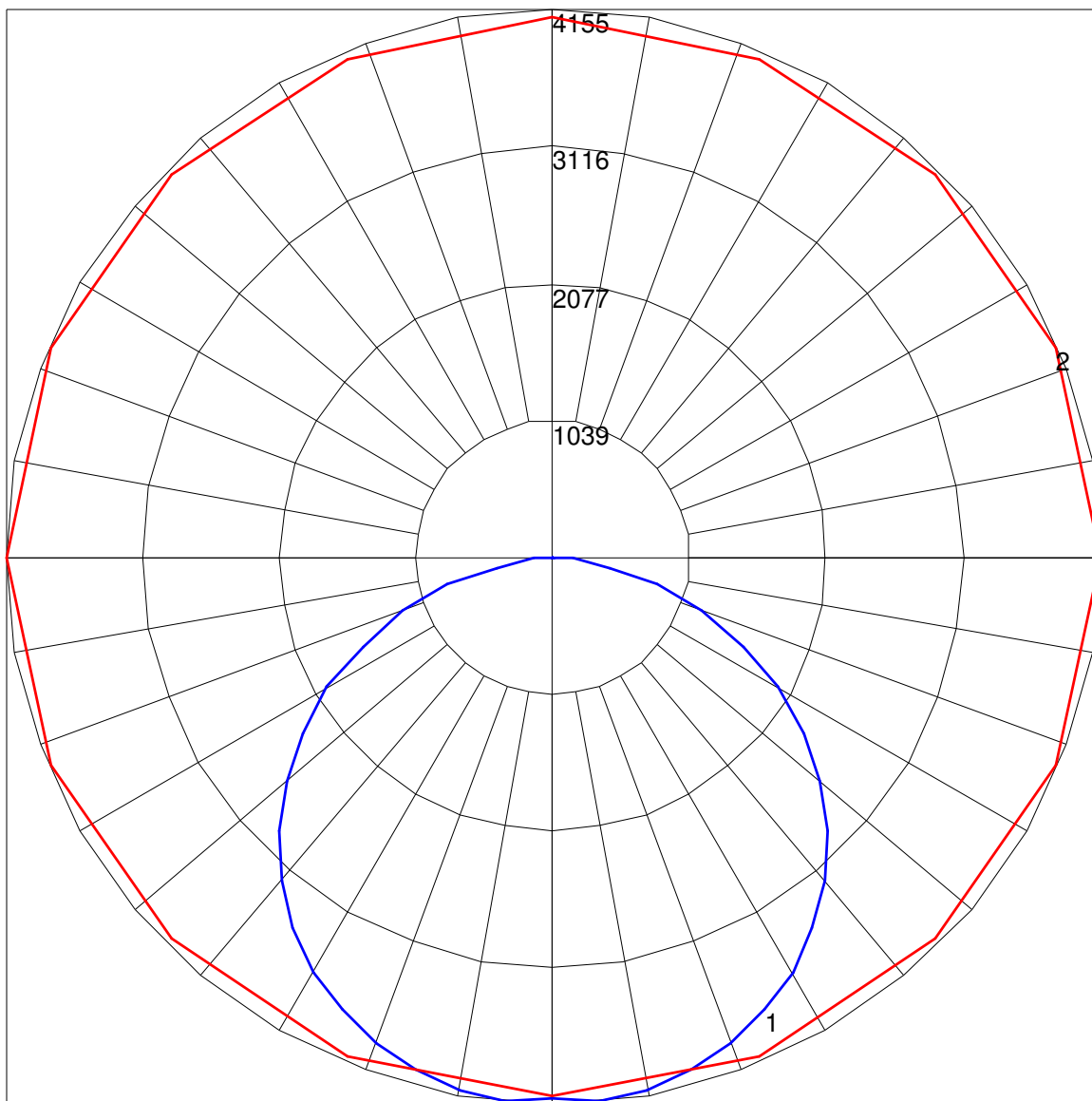
4H	2H	21.4	22.8	21.8	23.2	23.6	21.3	22.8	21.7	23.1
	3H	23.4	24.6	23.8	25.0	25.4	23.3	24.5	23.7	24.9
	4H	24.2	25.2	24.6	25.6	26.1	24.0	25.1	24.5	25.5
	6H	24.7	25.6	25.1	26.1	26.5	24.5	25.4	25.0	25.9
	8H	24.8	25.7	25.3	26.2	26.6	24.7	25.5	25.1	26.0
	12H	24.9	25.7	25.4	26.2	26.6	24.7	25.5	25.2	26.0

8H	4H	24.4	25.3	24.9	25.7	26.2	24.3	25.2	24.7	25.6
	6H	25.0	25.8	25.5	26.2	26.7	24.9	25.6	25.4	26.1
	8H	25.3	25.9	25.8	26.4	26.9	25.1	25.7	25.6	26.2
	12H	25.4	25.9	25.9	26.4	27.0	25.2	25.8	25.7	26.3

12H	4H	24.4	25.2	24.9	25.7	26.2	24.3	25.1	24.8	25.6
	6H	25.1	25.7	25.6	26.2	26.7	24.9	25.6	25.5	26.0
	8H	25.3	25.9	25.8	26.4	26.9	25.2	25.7	25.7	26.2

Maximum UGR = 27.0

POLAR GRAPH



Maximum Candela = 4154.916 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.)