



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75L-8-L130-8TW-A12125-DIM-UNV 4000K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from BALLABS TEST NO. 17755.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 23-JUL-2021

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 89" LED SURFACE MOUNT LUMINAIRE

[MORE] WHITE REFLECTOR w/CLEAR PRISMATIC LENS

[LUMCAT] 75L-8-L130-8TW-AF12125-DIM-UNV 4000k

[_SEARCH_SOURCETYPE]LED

[_SEARCH_APPLICATION]INDOOR,COMMERCIAL,INDUSTRIAL,DIRECT,LINEAR,MANUFACTURING,WAREHOUSE

[_SEARCH_MOUNTING]CEILING,SURFACE,SUSPENDED,WALL

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15237
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	128.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	7.44 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	50813	39288	31430
55	40685	27534	23014
65	28764	18406	19203
75	21858	14051	17955
85	22409	16614	18932

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : 75L-8-L130-8TW-A12125-DIM-UNV 4000K_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	7341.007	7341.007	7341.007	7341.007	7341.007
5	7465.227	7332.993	7292.922	7264.872	7244.837
10	7369.057	7252.851	7224.801	7192.745	7156.681
15	7224.801	7096.574	7036.468	7072.532	7016.432
20	6992.390	6868.170	6816.077	6836.113	6816.077
25	6655.793	6559.623	6487.495	6407.353	6395.332
30	6287.140	6162.920	5942.529	5766.217	5641.997
35	5806.288	5625.969	5245.294	4792.492	4419.831
40	5097.031	4928.733	4271.569	3574.333	3317.879
45	4275.576	4171.391	3305.858	2756.885	2644.686
50	3494.191	3317.879	2516.459	2155.820	2055.642
55	2776.920	2412.274	1879.330	1650.925	1570.783
60	2051.635	1650.925	1386.457	1230.180	1226.173
65	1446.563	1150.038	925.640	929.647	965.711
70	993.761	777.377	621.101	725.285	741.314
75	673.193	532.944	432.767	528.937	552.980
80	472.838	380.675	336.596	368.653	380.675
85	232.412	216.383	172.305	196.348	196.348
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75L-8-L130-8TW-A12125-DIM-UNV 4000K_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2693.29	N.A.	17.70
0-30	5669.65	N.A.	37.20
0-40	8886.99	N.A.	58.30
0-60	13379.28	N.A.	87.80
0-80	15025.53	N.A.	98.60
0-90	15237.31	N.A.	100.00
10-90	14541.84	N.A.	95.40
20-40	6193.71	N.A.	40.60
20-50	8849.29	N.A.	58.10
40-70	5563.15	N.A.	36.50
60-80	1646.25	N.A.	10.80
70-80	575.38	N.A.	3.80
80-90	211.78	N.A.	1.40
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	15237.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	695.48
10-20	1997.81
20-30	2976.36
30-40	3217.34
40-50	2655.59
50-60	1836.7
60-70	1070.87
70-80	575.38
80-90	211.78
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75L-8-L130-8TW-A12125-DIM-UNV 4000K_.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	225	225	225	225	220	220	220	220	210	210	210	201	201	201	193	193	193	189
1	209	201	194	188	204	197	190	184	189	183	179	181	177	173	175	171	168	164
2	192	179	168	158	188	175	165	156	169	160	153	163	156	149	157	151	146	142
3	178	160	146	136	173	157	145	134	152	141	132	147	138	130	142	134	128	124
4	164	144	129	118	160	142	128	117	137	125	116	133	123	114	129	120	113	109
5	152	130	115	104	149	128	114	103	125	112	102	121	110	101	118	108	100	96
6	142	119	103	92	138	117	103	92	114	101	91	111	99	90	108	98	90	86
7	132	109	93	83	129	107	93	83	104	91	82	102	90	81	99	89	81	77
8	124	100	85	75	121	99	84	75	96	83	74	94	82	74	92	81	73	70
9	116	92	78	68	113	91	77	68	89	76	68	87	76	67	85	75	67	64
10	109	86	72	62	107	85	71	62	83	70	62	81	70	62	80	69	61	58

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75L-8-L130-8TW-A12125-DIM-UNV 4000K_.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	21.6	23.1	22.0	23.4	23.7	19.0	20.4	19.3	20.7	21.0
	3H	22.7	24.1	23.1	24.4	24.7	20.5	21.8	20.8	22.1	22.5
	4H	23.2	24.4	23.6	24.8	25.1	21.1	22.3	21.5	22.7	23.1
	6H	23.6	24.8	24.1	25.1	25.5	21.7	22.8	22.1	23.2	23.6
	8H	23.8	24.9	24.2	25.3	25.7	21.9	23.0	22.4	23.4	23.8
	12H	24.0	25.0	24.4	25.4	25.8	22.1	23.1	22.5	23.5	23.9

UGR Viewed Endwise

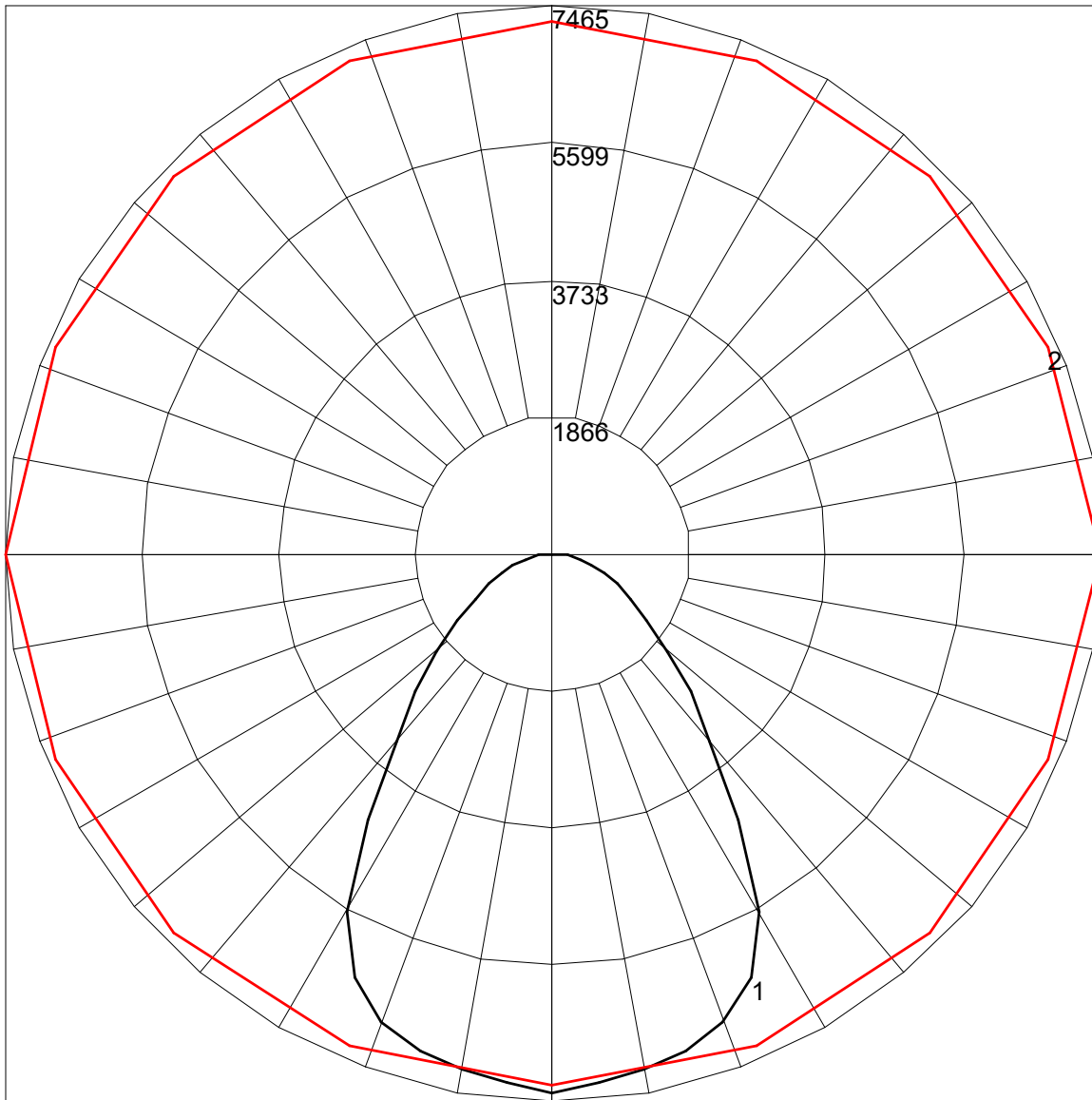
4H	2H	21.7	22.9	22.1	23.3	23.7	19.4	20.6	19.8	21.0	21.4
	3H	23.0	24.0	23.4	24.4	24.8	21.1	22.1	21.5	22.5	22.9
	4H	23.6	24.5	24.0	24.9	25.4	21.9	22.8	22.3	23.2	23.7
	6H	24.2	25.0	24.7	25.4	25.9	22.7	23.5	23.1	23.9	24.4
	8H	24.5	25.2	24.9	25.6	26.1	23.0	23.7	23.4	24.2	24.6
	12H	24.7	25.3	25.2	25.8	26.3	23.2	23.9	23.7	24.4	24.8

8H	4H	23.7	24.4	24.1	24.9	25.3	22.1	22.9	22.6	23.3	23.8
	6H	24.4	25.0	24.9	25.5	26.0	23.0	23.7	23.5	24.2	24.6
	8H	24.8	25.3	25.3	25.8	26.3	23.5	24.0	24.0	24.5	25.0
	12H	25.1	25.6	25.6	26.1	26.6	23.8	24.3	24.3	24.8	25.4

12H	4H	23.7	24.4	24.2	24.8	25.3	22.2	22.8	22.7	23.3	23.8
	6H	24.4	25.0	25.0	25.5	26.0	23.1	23.7	23.7	24.1	24.7
	8H	24.8	25.3	25.4	25.8	26.4	23.6	24.1	24.1	24.6	25.1

Maximum UGR = 26.6

POLAR GRAPH



Maximum Candela = 7465.227 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)