

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-2-L15-940-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] 09-06-2023

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 22.5 INCH LED STRIP LUMINAIRE

[MORE] WHITE REFLECTOR w/FROSTED ACRYLIC SQUARE LENS

[LUMCAT] 75S-2-L15-940-DIM-UNV

[LAMPCAT] HLM LED BOARD

[_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	1321
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	10.27
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)	1.88 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	9237	7524	7199
55	7764	6285	6451
65	6012	5345	5860
75	4022	4339	5199
85	1611	3635	4557

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-2-L15-940-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	445.714	445.714	445.714	445.714	445.714
5	449.548	443.898	443.696	442.687	437.441
10	441.880	436.836	437.239	436.029	431.186
15	429.572	424.730	425.940	424.730	420.694
20	408.991	405.360	408.991	407.175	402.938
25	383.568	382.156	385.384	385.182	378.927
30	355.522	356.127	359.759	359.759	352.092
35	321.221	326.063	327.879	328.484	320.615
40	283.893	291.157	289.543	292.771	288.735
45	247.372	253.829	253.425	259.277	258.268
50	210.044	215.896	220.537	230.423	232.441
55	171.708	178.972	189.262	203.991	210.650
60	135.591	144.469	162.023	180.182	188.858
65	100.886	115.010	137.003	157.786	166.664
70	69.208	87.771	111.378	133.976	144.469
75	43.986	61.742	88.376	110.974	121.467
80	24.011	41.161	69.409	89.990	99.675
85	7.667	25.221	52.662	71.024	80.103
90	0.000	16.344	40.153	57.303	63.558
95	0.000	14.931	37.530	52.461	56.093
100	0.000	14.124	34.907	47.820	51.048
105	0.000	12.913	32.687	44.188	47.416
110	0.000	12.106	30.468	41.363	44.592
115	0.000	11.097	27.845	38.740	41.767
120	0.000	9.483	25.020	35.108	38.740
125	0.000	7.869	22.598	32.082	35.310
130	0.000	6.457	19.572	28.652	30.871
135	0.000	5.851	15.738	24.818	27.037
140	0.000	4.843	12.308	20.782	23.002
145	0.000	3.834	9.483	16.142	18.361
150	0.000	2.825	7.264	12.308	14.124
155	0.000	2.219	5.851	8.878	10.290
160	0.000	0.000	4.237	6.457	7.264
165	0.000	0.000	2.825	4.641	5.044
170	0.000	0.000	0.000	2.825	3.027
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-2-L15-940-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	161.80	N.A.	12.20
0-30	338.45	N.A.	25.60
0-40	541.80	N.A.	41.00
0-60	910.41	N.A.	68.90
0-80	1136.91	N.A.	86.10
0-90	1191.00	N.A.	90.20
10-90	1148.88	N.A.	87.00
20-40	380.00	N.A.	28.80
20-50	577.22	N.A.	43.70
40-70	503.35	N.A.	38.10
60-80	226.50	N.A.	17.10
70-80	91.77	N.A.	6.90
80-90	54.08	N.A.	4.10
90-110	66.55	N.A.	5.00
90-120	90.91	N.A.	6.90
90-130	108.86	N.A.	8.20
90-150	126.67	N.A.	9.60
90-180	130.01	N.A.	9.80
110-180	63.46	N.A.	4.80
0-180	1321.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	42.11
10-20	119.69
20-30	176.65
30-40	203.34
40-50	197.23
50-60	171.39
60-70	134.73
70-80	91.77
80-90	54.08
90-100	36.41
100-110	30.14
110-120	24.36
120-130	17.95
130-140	11.63
140-150	6.18
150-160	2.59
160-170	0.71
170-180	0.04

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-2-L15-940-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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	106	101	96	92	102	97	93	89	91	88	85	86	83	81	81	78	76	74
2	96	88	81	75	92	85	78	73	80	74	70	75	71	67	71	67	64	61
3	88	77	69	62	84	75	67	61	70	64	59	66	61	56	62	58	54	52
4	80	68	60	53	77	66	58	52	63	56	50	59	53	48	56	51	47	44
5	74	61	52	46	71	59	51	45	56	49	44	53	47	42	50	45	41	39
6	68	55	46	40	66	54	45	39	51	44	38	48	42	37	46	40	36	34
7	63	50	41	35	61	49	41	35	46	39	34	44	38	33	42	36	32	30
8	59	46	37	32	57	45	37	31	43	35	30	41	34	30	39	33	29	27
9	55	42	34	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24
10	52	39	31	26	50	38	31	26	36	30	25	35	29	24	33	28	24	22

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75S-2-L15-940-DIM-UNV_.IES

UGR TABLE - CORRECTED

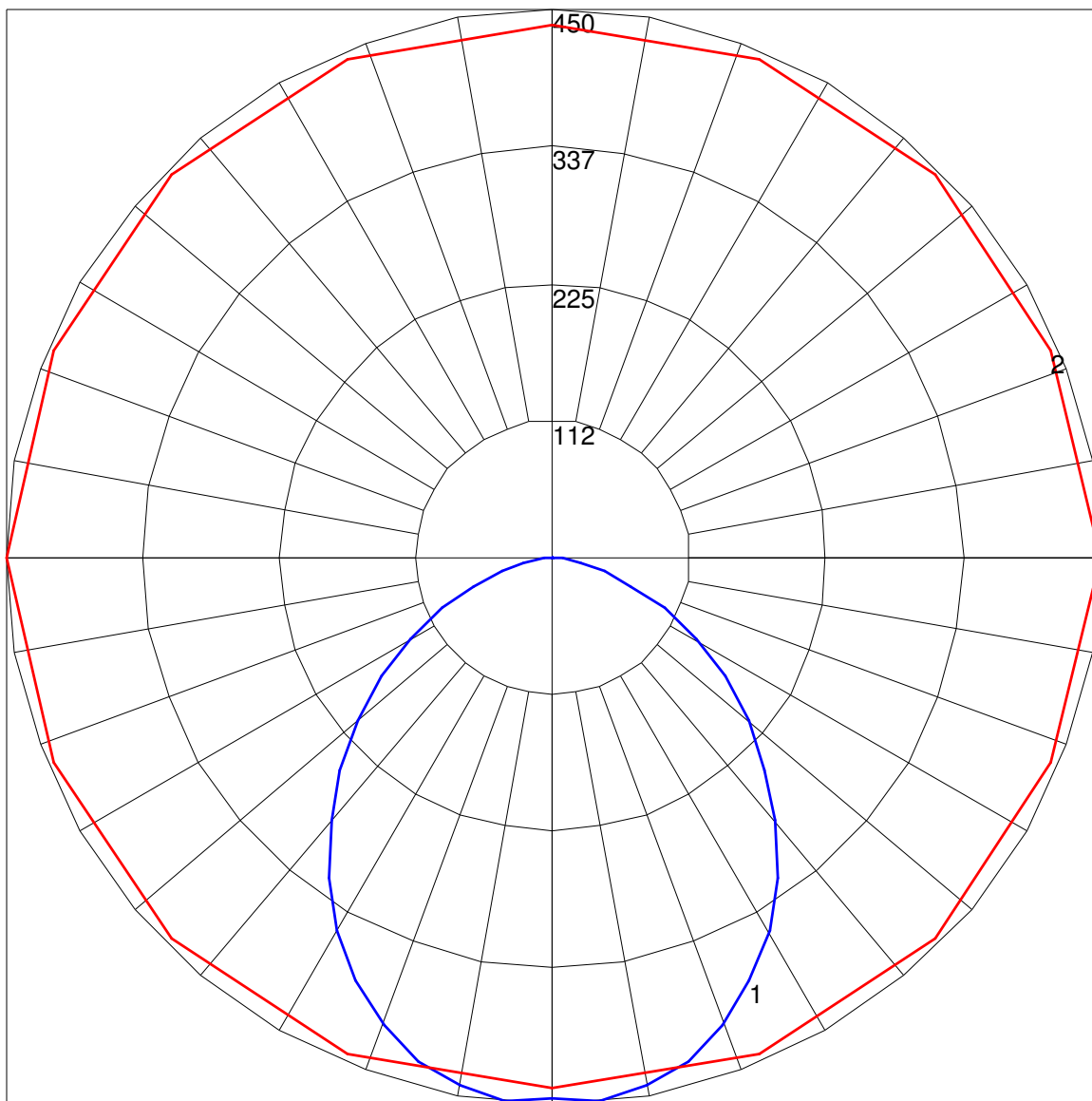
Reflectances

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	16.4	17.9	17.0	18.4	18.9	18.6	20.0	19.2	20.6	21.1
	3H	17.6	18.9	18.1	19.4	20.0	21.0	22.3	21.5	22.8	23.4
	4H	17.9	19.1	18.5	19.7	20.3	22.1	23.3	22.6	23.9	24.5
	6H	18.1	19.2	18.7	19.8	20.4	23.2	24.3	23.8	24.9	25.5
	8H	18.1	19.2	18.7	19.8	20.4	23.7	24.8	24.3	25.4	26.0
	12H	18.1	19.1	18.7	19.7	20.4	24.3	25.4	24.9	25.9	26.6
4H	2H	17.2	18.5	17.8	19.0	19.6	19.0	20.2	19.5	20.7	21.3
	3H	18.7	19.7	19.2	20.3	20.9	21.6	22.6	22.1	23.2	23.8
	4H	19.1	20.0	19.7	20.6	21.3	22.8	23.8	23.4	24.4	25.0
	6H	19.4	20.2	20.0	20.8	21.5	24.1	24.9	24.7	25.5	26.2
	8H	19.4	20.2	20.0	20.8	21.5	24.8	25.5	25.4	26.1	26.8
	12H	19.4	20.1	20.1	20.8	21.5	25.4	26.2	26.1	26.8	27.5
8H	4H	19.7	20.5	20.3	21.1	21.8	23.0	23.8	23.6	24.4	25.0
	6H	20.2	20.8	20.8	21.5	22.2	24.4	25.1	25.1	25.7	26.4
	8H	20.3	20.9	20.9	21.5	22.2	25.2	25.8	25.8	26.4	27.1
	12H	20.3	20.9	21.0	21.5	22.3	26.0	26.6	26.7	27.2	28.0
12H	4H	19.9	20.6	20.5	21.2	21.9	23.0	23.7	23.6	24.3	25.0
	6H	20.4	21.0	21.1	21.7	22.4	24.4	25.0	25.1	25.7	26.4
	8H	20.6	21.2	21.3	21.8	22.6	25.3	25.8	25.9	26.4	27.2

Maximum UGR = 28.0

POLAR GRAPH



Maximum Candela = 449.548 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.)