



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L85-940-(L77)-EM10WLP-WG-75-DIM-UNV_EMER MODE ONLY.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] 17 JUL, 2024

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 4' LED STRIP LUMINAIRE

[MORE] WHITE REFLECTOR w/FROSTED ACRYLIC SQUARE LENS

[LUMCAT] 75S-4-L85-940-(L77)-EM10WLP-WG-75-DIM-UNV

[LAMPCAT] HLM 90 CRI 4000K CCT

[_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	1254
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	10
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)	3.72 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	4515	3643	3444
55	3828	3054	3086
65	3006	2610	2804
75	2070	2133	2487
85	925	1810	2181

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L85-940-(L77)-EM10WLP-WG-75-DIM-UNV_EMER MODE ONLY.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	423.006	423.006	423.006	423.006	423.006
5	426.645	421.283	421.092	420.134	415.155
10	419.368	414.581	414.964	413.815	409.219
15	407.687	403.091	404.240	403.091	399.261
20	388.155	384.708	388.155	386.431	382.410
25	364.027	362.686	365.750	365.559	359.623
30	337.409	337.984	341.431	341.431	334.154
35	304.856	309.452	311.175	311.749	304.281
40	269.430	276.323	274.791	277.855	274.025
45	234.770	240.897	240.514	246.068	245.110
50	199.343	204.897	209.301	218.684	220.599
55	162.960	169.854	179.620	193.599	199.918
60	128.683	137.108	153.768	171.003	179.237
65	95.746	109.151	130.023	149.747	158.173
70	65.682	83.299	105.704	127.151	137.108
75	41.745	58.597	83.874	105.321	115.278
80	22.788	39.064	65.873	85.406	94.597
85	7.277	23.937	49.979	67.405	76.022
90	0.000	15.511	38.107	54.384	60.320
95	0.000	14.170	35.618	49.788	53.235
100	0.000	13.404	33.128	45.384	48.448
105	0.000	12.256	31.022	41.937	45.001
110	0.000	11.490	28.915	39.256	42.320
115	0.000	10.532	26.426	36.767	39.639
120	0.000	9.000	23.745	33.320	36.767
125	0.000	7.468	21.447	30.447	33.511
130	0.000	6.128	18.575	27.192	29.298
135	0.000	5.553	14.936	23.554	25.660
140	0.000	4.596	11.681	19.724	21.830
145	0.000	3.638	9.000	15.319	17.426
150	0.000	2.681	6.894	11.681	13.404
155	0.000	2.106	5.553	8.426	9.766
160	0.000	0.000	4.021	6.128	6.894
165	0.000	0.000	2.681	4.404	4.787
170	0.000	0.000	0.000	2.681	2.872
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-4-L85-940-(L77)-EM10WLP-WG-75-DIM-UNV_EMER MODE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	153.56	N.A.	12.20
0-30	321.21	N.A.	25.60
0-40	514.20	N.A.	41.00
0-60	864.03	N.A.	68.90
0-80	1078.99	N.A.	86.10
0-90	1130.32	N.A.	90.20
10-90	1090.35	N.A.	87.00
20-40	360.64	N.A.	28.80
20-50	547.82	N.A.	43.70
40-70	477.70	N.A.	38.10
60-80	214.96	N.A.	17.10
70-80	87.09	N.A.	6.90
80-90	51.33	N.A.	4.10
90-110	63.16	N.A.	5.00
90-120	86.28	N.A.	6.90
90-130	103.31	N.A.	8.20
90-150	120.22	N.A.	9.60
90-180	123.39	N.A.	9.80
110-180	60.23	N.A.	4.80
0-180	1253.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	39.97
10-20	113.59
20-30	167.65
30-40	192.98
40-50	187.18
50-60	162.65
60-70	127.87
70-80	87.09
80-90	51.33
90-100	34.56
100-110	28.60
110-120	23.12
120-130	17.03
130-140	11.04
140-150	5.87
150-160	2.45
160-170	0.68
170-180	0.04

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 75S-4-L85-940-(L77)-EM10WLP-WG-75-DIM-UNV_EMER MODE ONLY.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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-4-L85-940-(L77)-EM10WLP-WG-75-DIM-UNV_EMER MODE ONLY.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	13.9	15.3	14.4	15.8	16.4	16.1	17.6	16.7	18.1	18.6
	3H	15.1	16.3	15.6	16.9	17.4	18.5	19.8	19.1	20.3	20.9
	4H	15.4	16.6	15.9	17.1	17.7	19.7	20.9	20.2	21.4	22.0
	6H	15.5	16.7	16.1	17.2	17.8	20.8	21.9	21.4	22.5	23.1
	8H	15.5	16.6	16.1	17.2	17.8	21.4	22.5	22.0	23.0	23.7
	12H	15.5	16.6	16.1	17.1	17.8	22.0	23.0	22.6	23.6	24.3

UGR Viewed Endwise

4H	2H	14.7	15.9	15.2	16.5	17.1	16.5	17.7	17.0	18.2	18.9
	3H	16.1	17.1	16.7	17.7	18.4	19.1	20.1	19.7	20.7	21.3
	4H	16.6	17.5	17.1	18.1	18.7	20.4	21.3	21.0	21.9	22.6
	6H	16.8	17.6	17.4	18.3	18.9	21.7	22.5	22.3	23.1	23.8
	8H	16.9	17.7	17.5	18.3	18.9	22.4	23.2	23.0	23.8	24.5
	12H	16.9	17.6	17.5	18.2	18.9	23.1	23.8	23.8	24.5	25.2

8H	4H	17.2	18.0	17.8	18.6	19.3	20.5	21.3	21.1	21.9	22.6
	6H	17.6	18.3	18.3	18.9	19.6	22.0	22.7	22.7	23.3	24.0
	8H	17.8	18.3	18.4	19.0	19.7	22.8	23.4	23.5	24.1	24.8
	12H	17.8	18.3	18.5	19.0	19.8	23.7	24.2	24.4	24.9	25.7

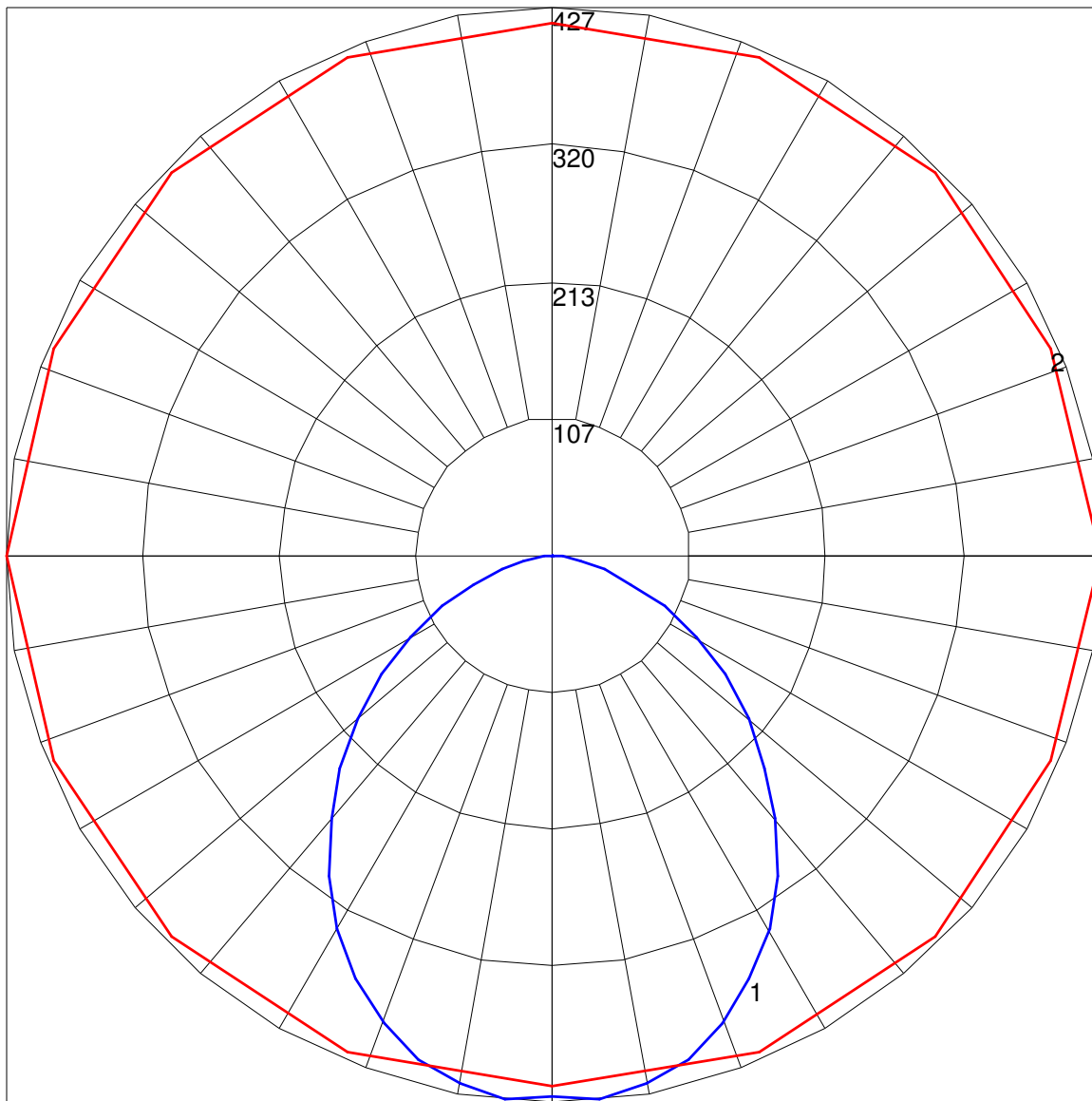
12H	4H	17.4	18.1	18.0	18.7	19.4	20.5	21.2	21.1	21.9	22.6
	6H	17.9	18.5	18.6	19.1	19.9	22.0	22.6	22.7	23.2	24.0
	8H	18.1	18.6	18.8	19.3	20.1	22.9	23.4	23.5	24.1	24.8

Maximum UGR = 25.7

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75S-4-L85-940-(L77)-EM10WLP-WG-75-DIM-UNV_EMER MODE ONLY.IES

POLAR GRAPH



Maximum Candela = 426.645 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.)