



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75R-4-L65-835-(L60)-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 19750.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUEDATE] 9-OCT-2023

[MANUFAC] WILLIAMS INDOOR

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

[LUMINAIRE] 44.625" INCH SURFACE MOUNT STRIP LUMINAIRE

[MORE] WHITE REFLECTOR w/FROSTED ACRYLIC ROUND LENS

[MORE] 0-10V DIMMING DRIVER

[LUMCAT] 75R-4-L65-835-(L60)-DIM-UNV

[LAMPCAT] HLM 80 CRI 3500K 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	6126
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	41.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.72 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.10 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	21423	18114	18081
55	17680	15501	15918
65	14561	13020	13410
75	9839	10699	10988
85	5773	9189	9010

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75R-4-L65-835-(L60)-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	1962.081	1962.081	1962.081	1962.081	1962.081
5	1983.621	1954.588	1955.525	1950.842	1931.174
10	1950.842	1926.492	1931.174	1928.365	1910.570
15	1893.712	1875.918	1889.029	1894.649	1875.918
20	1807.549	1802.866	1825.344	1834.709	1823.471
25	1706.401	1712.957	1744.800	1766.341	1757.912
30	1590.269	1599.634	1653.954	1686.734	1684.861
35	1448.849	1465.707	1544.378	1590.269	1596.825
40	1298.064	1310.239	1409.514	1478.819	1494.740
45	1120.119	1151.025	1265.284	1357.067	1379.544
50	935.617	985.255	1124.801	1225.013	1253.109
55	758.609	823.231	980.572	1085.466	1125.738
60	610.633	670.573	841.962	946.856	989.001
65	469.214	534.772	712.718	808.246	844.772
70	328.730	416.767	590.029	673.382	708.971
75	202.296	314.682	476.706	555.377	586.283
80	112.386	217.281	380.241	453.292	472.960
85	47.764	149.849	303.444	366.193	379.304
90	6.556	103.021	235.075	290.332	308.126
95	0.937	70.242	188.247	230.392	249.123
100	0.000	45.891	146.102	188.247	203.232
105	0.000	32.779	113.323	153.595	165.770
110	0.000	22.477	87.100	125.498	135.800
115	0.000	18.731	71.178	104.894	112.386
120	0.000	14.048	54.320	86.163	93.655
125	0.000	8.429	40.272	68.368	76.797
130	0.000	5.619	29.033	53.384	60.876
135	0.000	2.810	21.541	42.145	47.764
140	0.000	2.810	14.985	32.779	37.462
145	0.000	0.000	9.366	20.604	26.224
150	0.000	0.000	6.556	14.985	18.731
155	0.000	0.000	4.683	7.492	12.175
160	0.000	0.000	1.873	5.619	6.556
165	0.000	0.000	0.000	1.873	2.810
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 : 75R-4-L65-835-(L60)-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	717.48	N.A.	11.70
0-30	1518.91	N.A.	24.80
0-40	2475.26	N.A.	40.40
0-60	4303.08	N.A.	70.20
0-80	5440.75	N.A.	88.80
0-90	5726.69	N.A.	93.50
10-90	5540.93	N.A.	90.50
20-40	1757.78	N.A.	28.70
20-50	2726.8	N.A.	44.50
40-70	2501.68	N.A.	40.80
60-80	1137.67	N.A.	18.60
70-80	463.80	N.A.	7.60
80-90	285.94	N.A.	4.70
90-110	272.87	N.A.	4.50
90-120	335.43	N.A.	5.50
90-130	370.94	N.A.	6.10
90-150	396.29	N.A.	6.50
90-180	398.95	N.A.	6.50
110-180	126.08	N.A.	2.10
0-180	6125.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	185.76
10-20	531.72
20-30	801.43
30-40	956.35
40-50	969.02
50-60	858.79
60-70	673.87
70-80	463.80
80-90	285.94
90-100	170.25
100-110	102.62
110-120	62.56
120-130	35.51
130-140	17.94
140-150	7.41
150-160	2.32
160-170	0.34
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75R-4-L65-835-(L60)-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	114	114	114	114	107	107	107	102	102	102	96	96	96	93
1	106	101	96	92	103	98	94	90	92	89	86	87	84	82	83	80	78	76
2	96	87	80	74	93	85	78	73	80	75	70	76	72	68	72	68	65	62
3	88	77	68	61	84	75	67	60	71	64	59	67	61	57	64	59	55	52
4	80	68	59	52	77	66	58	51	63	56	50	60	53	48	57	51	47	45
5	74	61	51	45	71	59	51	44	56	49	43	54	47	42	51	45	41	39
6	68	55	46	39	66	53	45	39	51	43	38	48	42	37	46	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	42	36	32	30
8	59	45	37	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	28	53	41	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

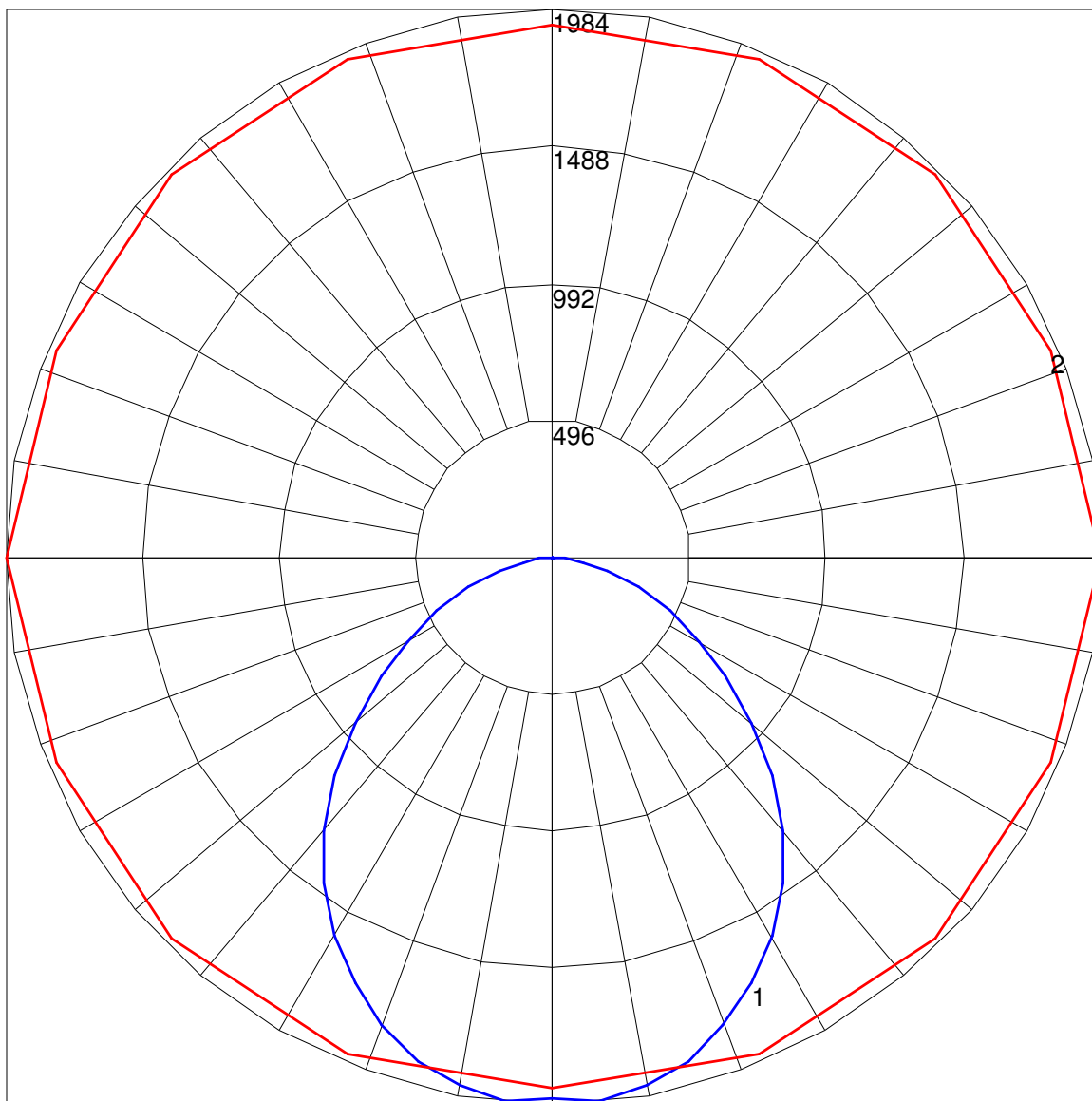
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 75R-4-L65-835-(L60)-DIM-UNV_.IES

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	19.1	20.6	19.5	21.0	21.5	22.5	24.0	22.9	24.4	24.9
	3H	20.3	21.6	20.7	22.1	22.6	24.7	26.0	25.1	26.5	27.0
	4H	20.6	21.9	21.1	22.4	22.9	25.7	27.0	26.2	27.5	28.0
	6H	20.8	22.0	21.3	22.5	23.0	26.7	27.9	27.3	28.4	29.0
	8H	20.8	21.9	21.3	22.5	23.0	27.3	28.4	27.8	28.9	29.5
	12H	20.8	21.9	21.3	22.4	23.0	27.8	28.9	28.4	29.4	30.0
4H	2H	20.1	21.4	20.6	21.9	22.4	22.8	24.1	23.3	24.6	25.1
	3H	21.6	22.7	22.1	23.2	23.7	25.2	26.3	25.7	26.8	27.4
	4H	22.0	23.0	22.6	23.6	24.2	26.4	27.4	26.9	27.9	28.5
	6H	22.3	23.2	22.9	23.7	24.4	27.6	28.5	28.2	29.1	29.7
	8H	22.4	23.2	22.9	23.8	24.4	28.2	29.1	28.8	29.6	30.2
	12H	22.4	23.1	23.0	23.7	24.4	28.9	29.7	29.5	30.3	30.9
8H	4H	22.8	23.6	23.4	24.2	24.8	26.6	27.4	27.1	27.9	28.6
	6H	23.3	24.0	23.9	24.6	25.2	27.9	28.6	28.5	29.2	29.8
	8H	23.4	24.0	24.0	24.7	25.3	28.7	29.3	29.3	29.9	30.6
	12H	23.5	24.1	24.1	24.7	25.4	29.5	30.1	30.1	30.7	31.4
12H	4H	23.0	23.7	23.6	24.3	25.0	26.5	27.3	27.1	27.9	28.5
	6H	23.6	24.2	24.2	24.8	25.5	28.0	28.6	28.6	29.2	29.9
	8H	23.8	24.4	24.4	25.0	25.7	28.7	29.3	29.4	29.9	30.6

Maximum UGR = 31.4

POLAR GRAPH



Maximum Candela = 1983.621 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.)