



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 4 SEL45 UV 930 @750MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-016(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/5/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL G2 4 SEL45 UV 930

[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,

[MORE] no enclosure.

[LAMPCAT] Two LS3872A 48 LED boards, 3000K

[BALLAST] One KTLD-45-UV-PS850-54-VDIM-LM1 LED driver set to 750mA

[OTHER] 120.0Vac, 60.00Hz

[OTHER] This test was performed using the absolute method of photometry.

[MORE] Lamp lumens value was set to -1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5916
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14061	13590	13503
55	13822	13184	12821
65	13062	11996	11559
75	11128	9411	8810
85	6250	4226	3798

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	723.50	N.A.	12.20
0-30	1549.37	N.A.	26.20
0-40	2565.15	N.A.	43.40
0-60	4641.07	N.A.	78.50
0-80	5820.12	N.A.	98.40
0-90	5915.17	N.A.	100.00
10-90	5728.91	N.A.	96.80
20-40	1841.66	N.A.	31.10
20-50	2921.31	N.A.	49.40
40-70	2838.21	N.A.	48.00
60-80	1179.05	N.A.	19.90
70-80	416.76	N.A.	7.00
80-90	95.05	N.A.	1.60
90-110	0.52	N.A.	0.00
90-120	0.52	N.A.	0.00
90-130	0.52	N.A.	0.00
90-150	0.52	N.A.	0.00
90-180	0.52	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5915.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	186.26
10-20	537.24
20-30	825.87
30-40	1015.78
40-50	1079.65
50-60	996.27
60-70	762.29
70-80	416.76
80-90	95.05
90-100	0.52
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

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

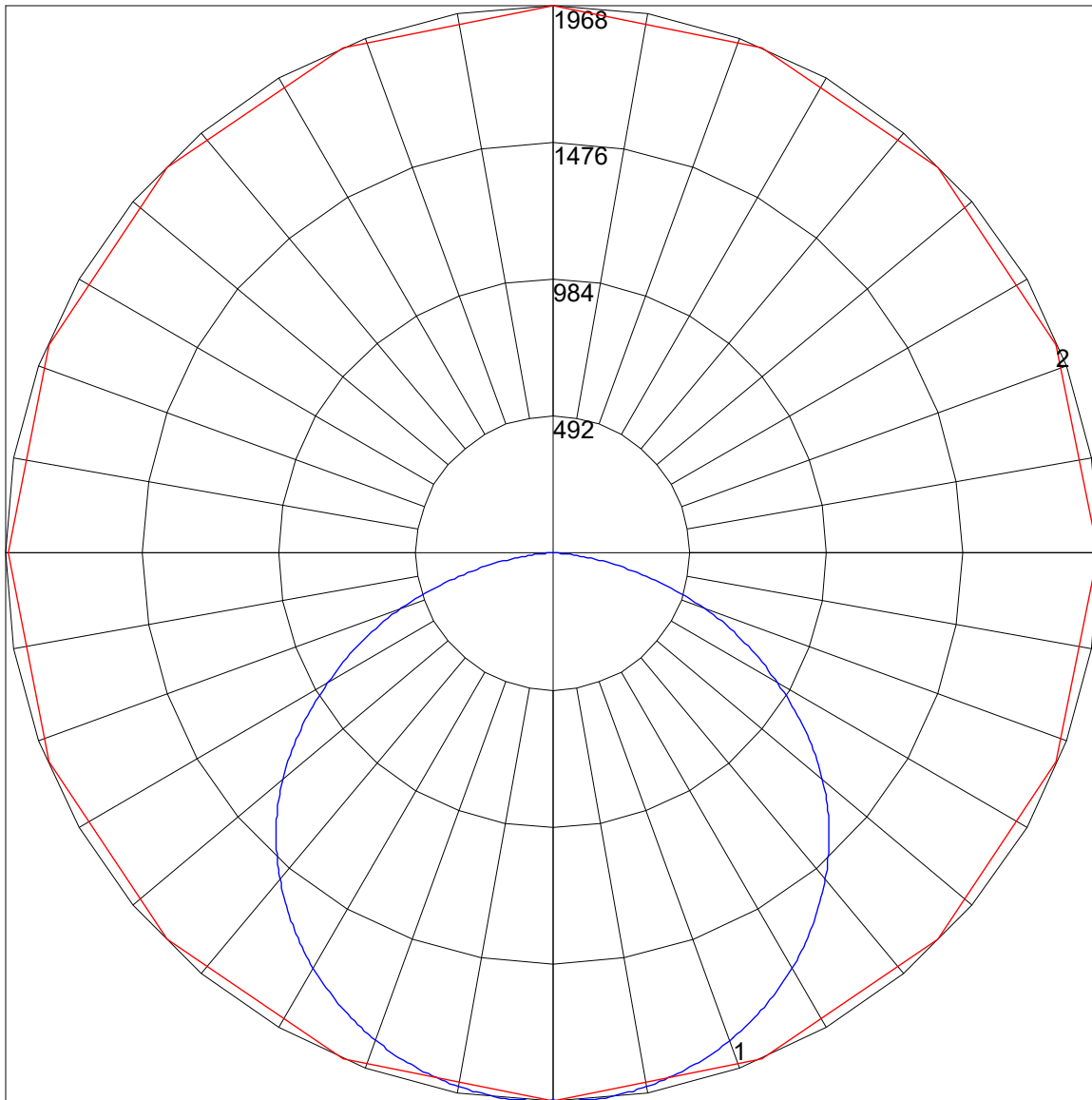
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UGR TABLE - CORRECTED

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	21.2	22.9	21.6	23.2	23.5	21.3	23.0	21.7	23.3	23.6
	3H	23.0	24.5	23.4	24.8	25.2	23.1	24.6	23.5	25.0	25.3
	4H	23.6	25.0	24.0	25.4	25.7	23.7	25.1	24.1	25.5	25.9
	6H	24.0	25.3	24.4	25.7	26.1	24.1	25.4	24.5	25.8	26.2
	8H	24.1	25.3	24.5	25.7	26.1	24.2	25.5	24.6	25.8	26.2
	12H	24.1	25.3	24.5	25.7	26.1	24.2	25.5	24.7	25.8	26.3
4H	2H	21.9	23.3	22.3	23.6	24.0	22.0	23.4	22.4	23.7	24.1
	3H	23.8	25.0	24.2	25.4	25.8	23.9	25.1	24.3	25.5	25.9
	4H	24.6	25.6	25.0	26.0	26.5	24.6	25.7	25.0	26.1	26.5
	6H	25.1	26.0	25.5	26.4	26.9	25.1	26.0	25.6	26.5	26.9
	8H	25.2	26.0	25.6	26.5	27.0	25.2	26.1	25.7	26.6	27.0
	12H	25.2	26.0	25.7	26.5	27.0	25.3	26.1	25.8	26.6	27.1
8H	4H	24.8	25.7	25.3	26.1	26.6	24.9	25.8	25.3	26.2	26.7
	6H	25.4	26.1	25.9	26.6	27.1	25.4	26.2	25.9	26.7	27.1
	8H	25.5	26.2	26.1	26.7	27.2	25.6	26.3	26.1	26.8	27.3
	12H	25.7	26.2	26.2	26.7	27.3	25.7	26.3	26.2	26.8	27.4
12H	4H	24.8	25.6	25.3	26.1	26.6	24.9	25.7	25.4	26.2	26.6
	6H	25.4	26.1	25.9	26.5	27.1	25.5	26.1	26.0	26.6	27.1
	8H	25.6	26.2	26.1	26.7	27.2	25.7	26.3	26.2	26.7	27.3

Maximum UGR = 27.4

POLAR GRAPH



Maximum Candela = 1968.034 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)