IES INDOOR REPORT
PHOTOMETRIC FILENAME : ECL G2 6 SEL35 UV FR 940 @650MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLIA001735-018(s)
[TESTLAB] LightLab International Allentown, LLC
[ISSUEDATE] 6/5/2024
[MANUFAC] LumenFocus, LLC
[LUMCAT] ECL G2 6 SEL35 UV FR 940
[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,
[MORE] translucent curved plastic enclosure.
[LAMPCAT] Three LS3872A 28 LED boards, 4000K
[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set to 650mA
[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	4415
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
Total Luminaire Watts	27.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	6.00 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6233	5989	5964
55	5444	5441	5477
65	4392	4767	4835
75	3212	4086	4094
85	1905	3832	3591

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	548.94	N.A.	12.40
0-30	1167.38	N.A.	26.40
0-40	1911.47	N.A.	43.30
0-60	3350.67	N.A.	75.90
0-80	4176.81	N.A.	94.60
0-90	4336.46	N.A.	98.20
10-90	4194.71	N.A.	95.00
20-40	1362.52	N.A.	30.90
20-50	2126.01	N.A.	48.20
40-70	1947.92	N.A.	44.10
60-80	826.14	N.A.	18.70
70-80	317.42	N.A.	7.20
80-90	159.66	N.A.	3.60
90-110	78.70	N.A.	1.80
90-120	78.86	N.A.	1.80
90-130	78.86	N.A.	1.80
90-150	78.86	N.A.	1.80
90-180	78.86	N.A.	1.80
110-180	0.16	N.A.	0.00
0-180	4415.33	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.75
10-20	407.19
20-30	618.44
30-40	744.08
40-50	763.49
50-60	675.72
60-70	508.72
70-80	317.42
80-90	159.66
90-100	64.00
100-110	14.70
110-120	0.16
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	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	95	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	77	69	63	73	67	61	70	65	60	67	63	59	56
4	82	69	60	54	79	68	60	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	51	42	36	62	50	41	35	48	40	35	46	40	35	45	39	34	32
8	60	46	38	32	58	45	37	32	44	36	31	42	36	31	41	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	26	36	30	25	35	29	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	16.8	18.4	17.2	18.8	19.1	18.5	20.1	18.9	20.5	20.8
	3H	18.1	19.6	18.5	19.9	20.3	20.5	21.9	20.9	22.3	22.7
	4H	18.5	19.9	18.9	20.3	20.7	21.3	22.7	21.8	23.1	23.5
	6H	18.7	20.0	19.2	20.4	20.8	22.1	23.4	22.6	23.8	24.3
	8H	18.8	20.0	19.2	20.4	20.9	22.5	23.7	23.0	24.2	24.6
	12H	18.8	20.0	19.3	20.4	20.9	22.9	24.1	23.4	24.5	25.0
4H	2H	17.6	19.0	18.1	19.4	19.8	19.0	20.3	19.4	20.7	21.2
	3H	19.2	20.3	19.6	20.8	21.2	21.2	22.3	21.6	22.8	23.2
	4H	19.7	20.8	20.2	21.2	21.7	22.2	23.2	22.7	23.7	24.2
	6H	20.1	21.0	20.5	21.5	22.0	23.2	24.1	23.6	24.6	25.1
	8H	20.1	21.0	20.6	21.5	22.0	23.6	24.5	24.1	25.0	25.5
	12H	20.2	21.0	20.7	21.5	22.0	24.1	24.9	24.6	25.4	25.9
8H	4H	20.3	21.1	20.8	21.6	22.1	22.4	23.3	22.9	23.8	24.3
	6H	20.8	21.5	21.3	22.0	22.6	23.6	24.3	24.1	24.8	25.3
	8H	21.0	21.6	21.5	22.2	22.7	24.2	24.8	24.7	25.3	25.9
	12H	21.1	21.7	21.6	22.2	22.8	24.8	25.4	25.3	25.9	26.5
12H	4H	20.4	21.2	20.9	21.7	22.2	22.4	23.2	22.9	23.7	24.2
	6H	21.0	21.7	21.6	22.2	22.7	23.6	24.3	24.2	24.8	25.4
	8H	21.2	21.8	21.8	22.4	23.0	24.3	24.8	24.8	25.4	26.0

Maximum UGR = 26.5

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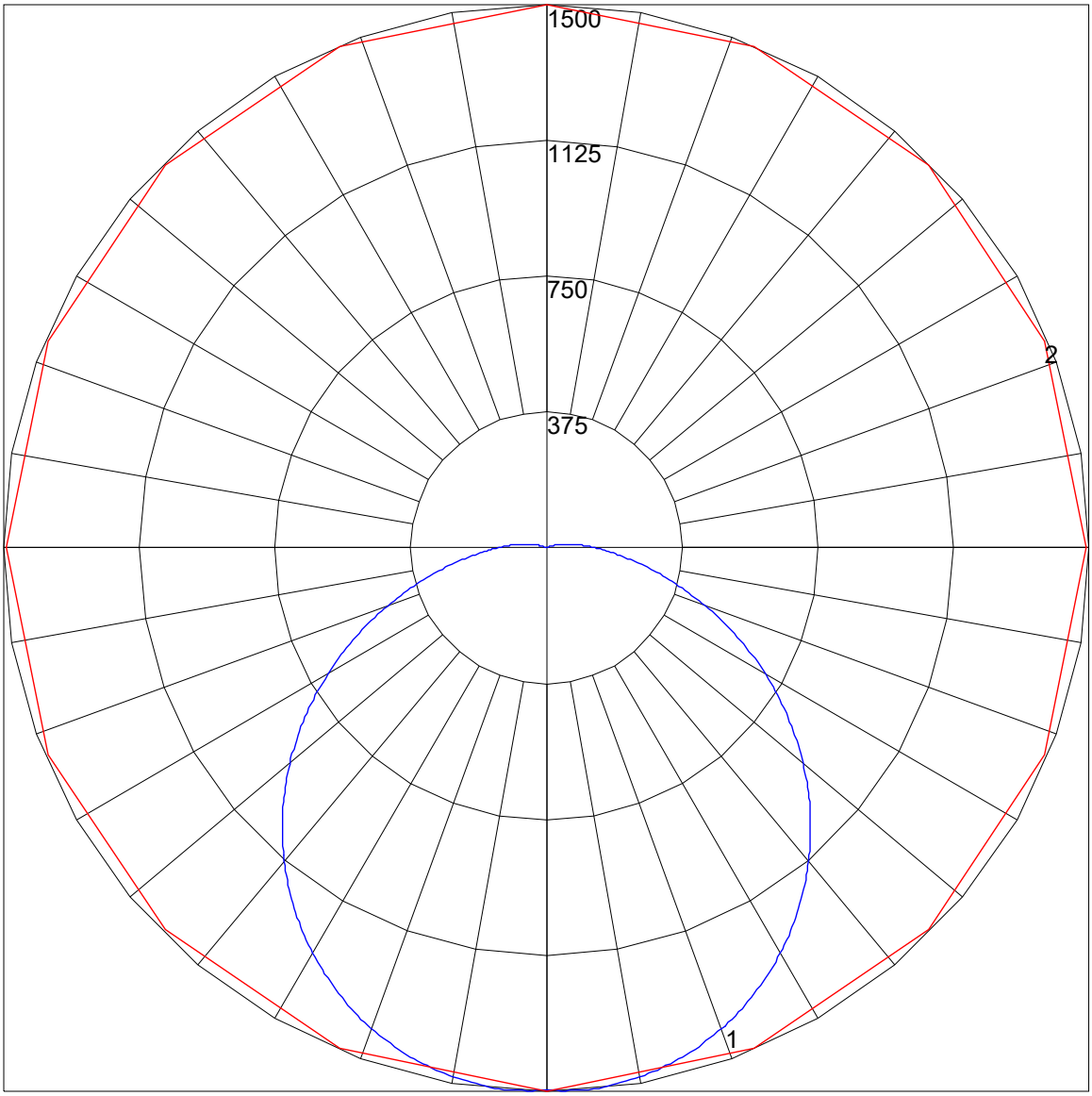
POLAR GRAPH



Maximum Candela = 1500.41 Located At Horizontal Angle = 90, Vertical Angle = 3.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3.5) (Through Max. Cd.)