IES INDOOR REPORT
PHOTOMETRIC FILENAME : FFL G2 22 SEL25 UV FA 940 @450MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLIA001588-024 (s)
[TESTLAB] LightLab International Allentown, LLC
[ISSUEDATE] 6/3/2024
[MANUFAC] LumenFocus, LLC
[LUMCAT] FFL G2 22 SEL25 UV FA 940
[LUMINAIRE] Recessed mounted, formed white painted steel housing/reflector,
[MORE] frosted linear ribbed plastic enclosure.
[LAMP] One LS3872A7_4000_90R 4000K 48 LED board
[BALLAST] One KTLD-25-UV-PS450-54-VDIM-LP2 LED driver set to 450mA
[OTHER] 120.0Vac, 60.01Hz
[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	3155
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	23.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.85 ft
Luminous Width (90-270)	1.85 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2890	3119	3348
55	2660	3017	3395
65	2393	2967	3598
75	2014	2991	3941
85	1342	2546	3513

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	403.11	N.A.	12.80
0-30	849.41	N.A.	26.90
0-40	1379.45	N.A.	43.70
0-60	2419.46	N.A.	76.70
0-80	3077.92	N.A.	97.60
0-90	3154.98	N.A.	100.00
10-90	3050.14	N.A.	96.70
20-40	976.34	N.A.	30.90
20-50	1520.48	N.A.	48.20
40-70	1438.55	N.A.	45.60
60-80	658.47	N.A.	20.90
70-80	259.92	N.A.	8.20
80-90	77.06	N.A.	2.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3154.98	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.85
10-20	298.26
20-30	446.30
30-40	530.04
40-50	544.13
50-60	495.87
60-70	398.55
70-80	259.92
80-90	77.06
90-100	0.00
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

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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	15.2	16.8	15.5	17.1	17.5	16.6	18.3	17.0	18.6	18.9
	3H	16.9	18.4	17.3	18.7	19.1	19.0	20.5	19.4	20.8	21.2
	4H	17.5	19.0	17.9	19.3	19.7	20.0	21.5	20.4	21.8	22.2
	6H	18.0	19.3	18.4	19.7	20.0	20.9	22.3	21.4	22.6	23.0
	8H	18.1	19.4	18.5	19.7	20.1	21.3	22.6	21.7	23.0	23.3
	12H	18.2	19.4	18.6	19.8	20.2	21.5	22.7	22.0	23.1	23.5
4H	2H	16.1	17.5	16.4	17.8	18.2	17.2	18.6	17.6	19.0	19.3
	3H	18.0	19.2	18.4	19.6	20.0	19.8	21.0	20.2	21.4	21.8
	4H	18.8	19.9	19.2	20.3	20.7	21.0	22.1	21.4	22.5	23.0
	6H	19.4	20.3	19.8	20.7	21.2	22.1	23.1	22.6	23.5	24.0
	8H	19.5	20.4	20.0	20.9	21.3	22.5	23.4	23.0	23.9	24.3
	12H	19.6	20.4	20.1	20.9	21.4	22.8	23.6	23.3	24.1	24.6
8H	4H	19.4	20.3	19.8	20.7	21.2	21.3	22.2	21.8	22.6	23.1
	6H	20.1	20.9	20.6	21.3	21.8	22.6	23.3	23.1	23.8	24.3
	8H	20.3	21.0	20.8	21.5	22.0	23.1	23.8	23.6	24.3	24.8
	12H	20.5	21.1	21.0	21.6	22.2	23.5	24.1	24.0	24.6	25.1
12H	4H	19.5	20.3	20.0	20.8	21.3	21.3	22.1	21.8	22.6	23.1
	6H	20.3	21.0	20.8	21.4	22.0	22.6	23.3	23.1	23.8	24.3
	8H	20.6	21.2	21.1	21.7	22.3	23.2	23.8	23.7	24.3	24.8

Maximum UGR = 25.1

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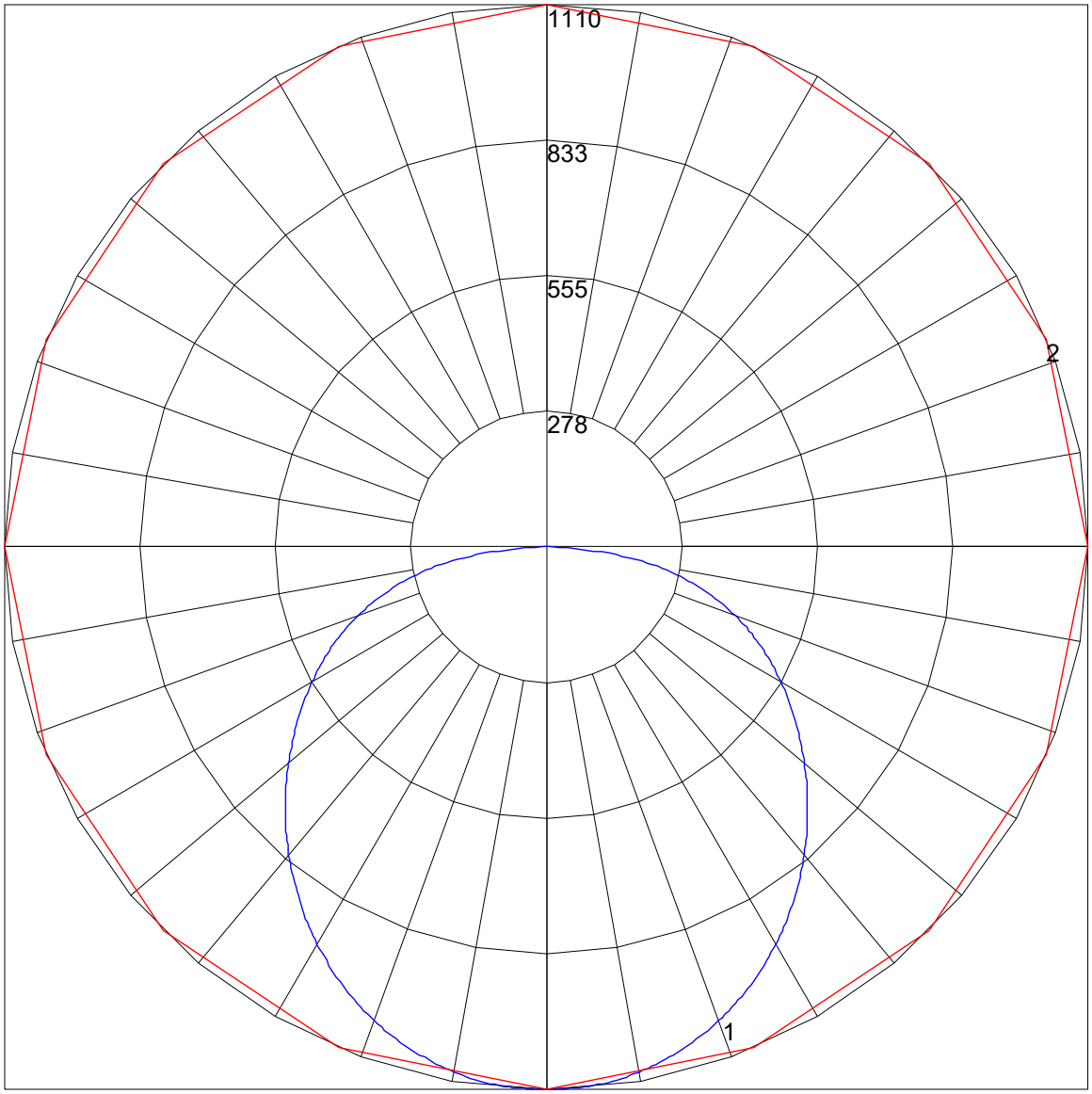
POLAR GRAPH



Maximum Candela = 1110.162 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)