IES INDOOR REPORT
PHOTOMETRIC FILENAME : FFL G2 22 SEL15 UV FA 940 @300MA.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 SEL15 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-15-UV-PS300-54-VDIM-LP1 LED driver set to 300mA
[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	2152
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	15.7
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	1971	2127	2283
55	1814	2058	2315
65	1632	2024	2454
75	1373	2040	2688
85	915	1736	2396

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	274.91	N.A.	12.80
0-30	579.27	N.A.	26.90
0-40	940.74	N.A.	43.70
0-60	1649.98	N.A.	76.70
0-80	2099.03	N.A.	97.60
0-90	2151.58	N.A.	100.00
10-90	2080.08	N.A.	96.70
20-40	665.83	N.A.	30.90
20-50	1036.91	N.A.	48.20
40-70	981.04	N.A.	45.60
60-80	449.05	N.A.	20.90
70-80	177.25	N.A.	8.20
80-90	52.55	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	2151.58	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	71.50
10-20	203.40
20-30	304.36
30-40	361.47
40-50	371.08
50-60	338.16
60-70	271.80
70-80	177.25
80-90	52.55
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	68	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	35	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	28	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	13.9	15.5	14.2	15.8	16.2	15.3	17.0	15.7	17.3	17.6
	3H	15.6	17.1	16.0	17.4	17.8	17.7	19.2	18.1	19.5	19.9
	4H	16.2	17.7	16.6	18.0	18.4	18.7	20.2	19.1	20.5	20.9
	6H	16.7	18.0	17.1	18.4	18.7	19.6	21.0	20.1	21.3	21.7
	8H	16.8	18.1	17.2	18.4	18.8	20.0	21.3	20.4	21.7	22.0
	12H	16.9	18.1	17.3	18.5	18.9	20.2	21.4	20.7	21.8	22.2
4H	2H	14.8	16.2	15.1	16.5	16.9	15.9	17.3	16.3	17.7	18.0
	3H	16.7	17.9	17.1	18.3	18.7	18.5	19.7	18.9	20.1	20.5
	4H	17.5	18.6	17.9	19.0	19.4	19.7	20.8	20.1	21.2	21.6
	6H	18.1	19.0	18.5	19.4	19.9	20.8	21.8	21.3	22.2	22.7
	8H	18.2	19.1	18.7	19.5	20.0	21.2	22.1	21.7	22.6	23.0
	12H	18.3	19.1	18.8	19.6	20.1	21.5	22.3	22.0	22.8	23.3
8H	4H	18.1	19.0	18.5	19.4	19.9	20.0	20.9	20.5	21.3	21.8
	6H	18.8	19.6	19.3	20.0	20.5	21.3	22.0	21.8	22.5	23.0
	8H	19.0	19.7	19.5	20.2	20.7	21.8	22.5	22.3	23.0	23.5
	12H	19.2	19.8	19.7	20.3	20.9	22.2	22.8	22.7	23.3	23.8
12H	4H	18.2	19.0	18.7	19.5	20.0	20.0	20.8	20.5	21.3	21.8
	6H	19.0	19.7	19.5	20.1	20.7	21.3	22.0	21.8	22.5	23.0
	8H	19.3	19.9	19.8	20.4	20.9	21.9	22.5	22.4	23.0	23.5

Maximum UGR = 23.8

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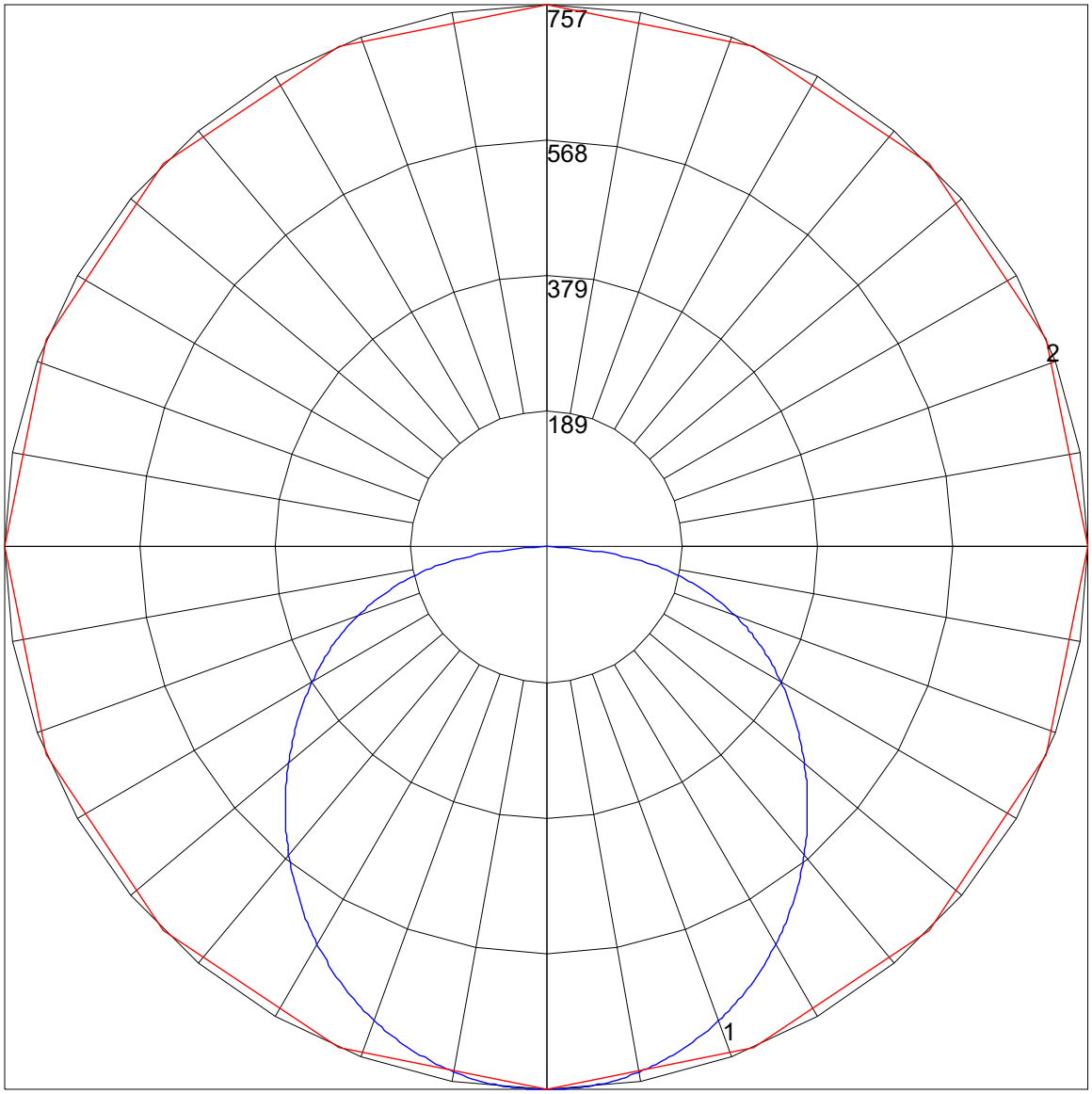
POLAR GRAPH



Maximum Candela = 757.088 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.)