



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL G2 8 SH UV FR 930.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-018(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/1/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL G2 8 SH UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMP] 256 white LEDs on four LS3872A LED boards

[BALLAST] Two ULT D21CC80UNVPW-D LED drivers labeled as 1420mA

[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	20529
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	146.7
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)	8.00 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	21791	20919	20796
55	19056	19017	19101
65	15399	16674	16861
75	11307	14317	14275
85	6827	13481	12521

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2552.29	N.A.	12.40
0-30	5427.71	N.A.	26.40
0-40	8887.31	N.A.	43.30
0-60	15578.86	N.A.	75.90
0-80	19419.95	N.A.	94.60
0-90	20162.27	N.A.	98.20
10-90	19503.21	N.A.	95.00
20-40	6335.02	N.A.	30.90
20-50	9884.83	N.A.	48.20
40-70	9056.81	N.A.	44.10
60-80	3841.09	N.A.	18.70
70-80	1475.83	N.A.	7.20
80-90	742.32	N.A.	3.60
90-110	365.93	N.A.	1.80
90-120	366.67	N.A.	1.80
90-130	366.67	N.A.	1.80
90-150	366.67	N.A.	1.80
90-180	366.67	N.A.	1.80
110-180	0.74	N.A.	0.00
0-180	20528.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	659.06
10-20	1893.23
20-30	2875.42
30-40	3459.6
40-50	3549.81
50-60	3141.74
60-70	2365.26
70-80	1475.83
80-90	742.32
90-100	297.56
100-110	68.36
110-120	0.74
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	25	36	30	25	35	29	25	23

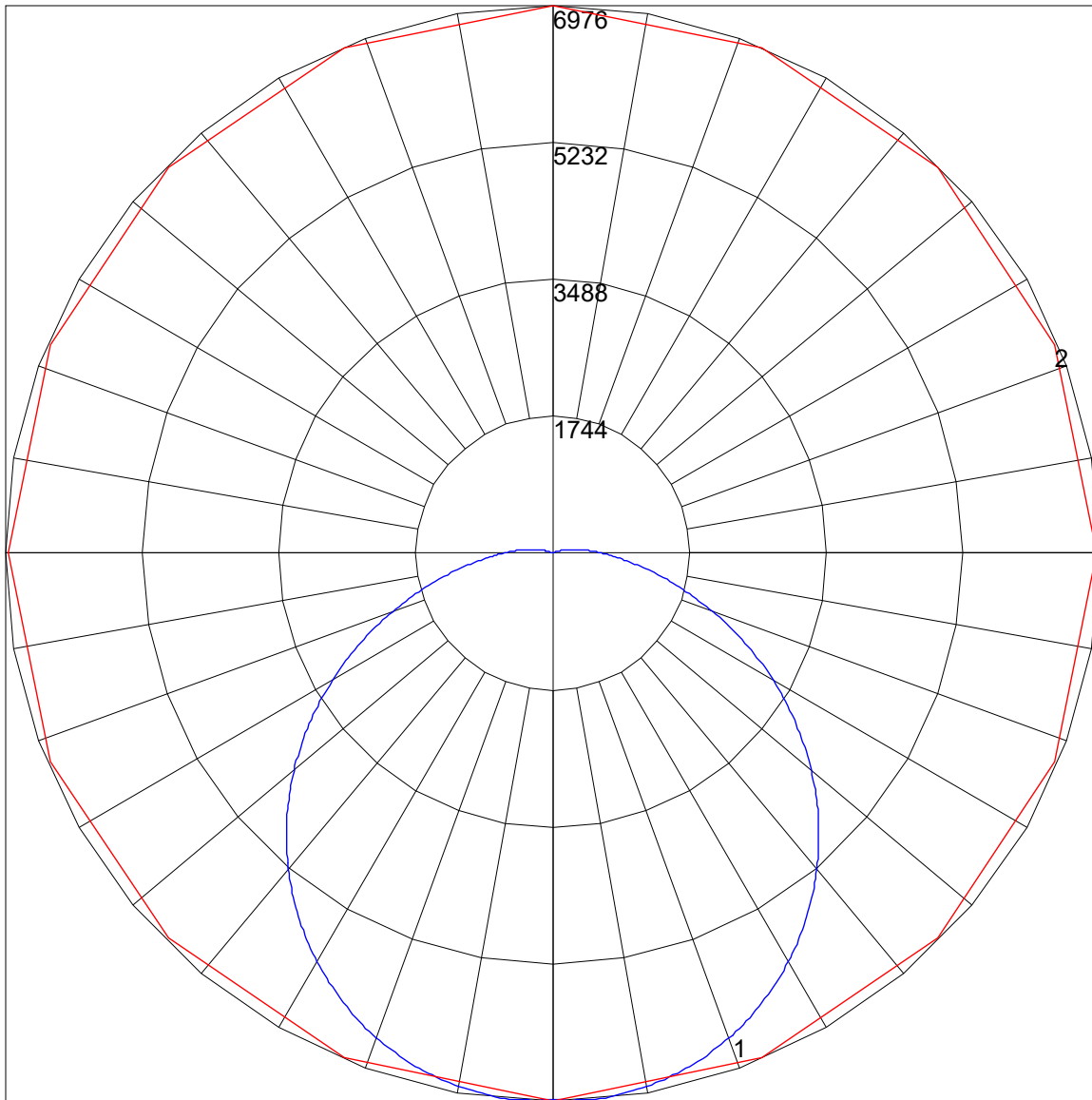
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UGR TABLE - CORRECTED

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	21.1	22.7	21.5	23.1	23.4	22.8	24.4	23.2	24.8	25.1
	3H	22.4	23.9	22.8	24.2	24.6	24.8	26.3	25.2	26.6	27.0
	4H	22.8	24.2	23.2	24.6	25.0	25.6	27.0	26.1	27.4	27.8
	6H	23.0	24.3	23.5	24.7	25.2	26.4	27.7	26.9	28.1	28.6
	8H	23.1	24.3	23.5	24.7	25.2	26.8	28.1	27.3	28.5	28.9
	12H	23.1	24.3	23.6	24.7	25.2	27.2	28.4	27.7	28.8	29.3
4H	2H	21.9	23.3	22.4	23.7	24.1	23.3	24.7	23.7	25.0	25.5
	3H	23.5	24.7	23.9	25.1	25.5	25.5	26.7	25.9	27.1	27.5
	4H	24.0	25.1	24.5	25.5	26.0	26.5	27.6	27.0	28.0	28.5
	6H	24.4	25.3	24.8	25.8	26.3	27.5	28.4	28.0	28.9	29.4
	8H	24.4	25.3	24.9	25.8	26.3	27.9	28.8	28.4	29.3	29.8
	12H	24.5	25.3	25.0	25.8	26.3	28.5	29.2	29.0	29.8	30.3
8H	4H	24.6	25.4	25.1	25.9	26.4	26.7	27.6	27.2	28.1	28.6
	6H	25.1	25.8	25.6	26.3	26.9	27.9	28.6	28.4	29.1	29.7
	8H	25.3	25.9	25.8	26.5	27.0	28.5	29.1	29.0	29.7	30.2
	12H	25.4	26.0	25.9	26.5	27.1	29.1	29.7	29.7	30.2	30.8
12H	4H	24.7	25.5	25.2	26.0	26.5	26.7	27.5	27.3	28.1	28.6
	6H	25.3	26.0	25.9	26.5	27.1	28.0	28.6	28.5	29.1	29.7
	8H	25.6	26.1	26.1	26.7	27.3	28.6	29.2	29.1	29.7	30.3

Maximum UGR = 30.8

POLAR GRAPH



Maximum Candela = 6976.118 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.)