



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 4 HI UV FR 930.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-006(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 5/20/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL N G2 4 HI UV FR 930

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

[MORE] translucent curved plastic enclosure.

[LAMP] 96 white LEDs on two LS3873A LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled as 840mA

[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	6157
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	43.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.84 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	23867	21308	20756
55	20721	18800	18383
65	16599	15758	15424
75	12044	12569	12085
85	6932	10141	9162

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	754.83	N.A.	12.30
0-30	1605.04	N.A.	26.10
0-40	2627.85	N.A.	42.70
0-60	4605.72	N.A.	74.80
0-80	5738.24	N.A.	93.20
0-90	5958.99	N.A.	96.80
10-90	5764.00	N.A.	93.60
20-40	1873.02	N.A.	30.40
20-50	2922.73	N.A.	47.50
40-70	2675.45	N.A.	43.50
60-80	1132.52	N.A.	18.40
70-80	434.94	N.A.	7.10
80-90	220.74	N.A.	3.60
90-110	148.29	N.A.	2.40
90-120	173.10	N.A.	2.80
90-130	186.23	N.A.	3.00
90-150	196.07	N.A.	3.20
90-180	197.79	N.A.	3.20
110-180	49.50	N.A.	0.80
0-180	6156.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	194.98
10-20	559.85
20-30	850.21
30-40	1022.81
40-50	1049.71
50-60	928.16
60-70	697.58
70-80	434.94
80-90	220.74
90-100	100.09
100-110	48.20
110-120	24.81
120-130	13.12
130-140	6.71
140-150	3.13
150-160	1.34
160-170	0.39
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	80
2	97	89	82	76	94	87	80	75	83	77	73	79	74	70	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

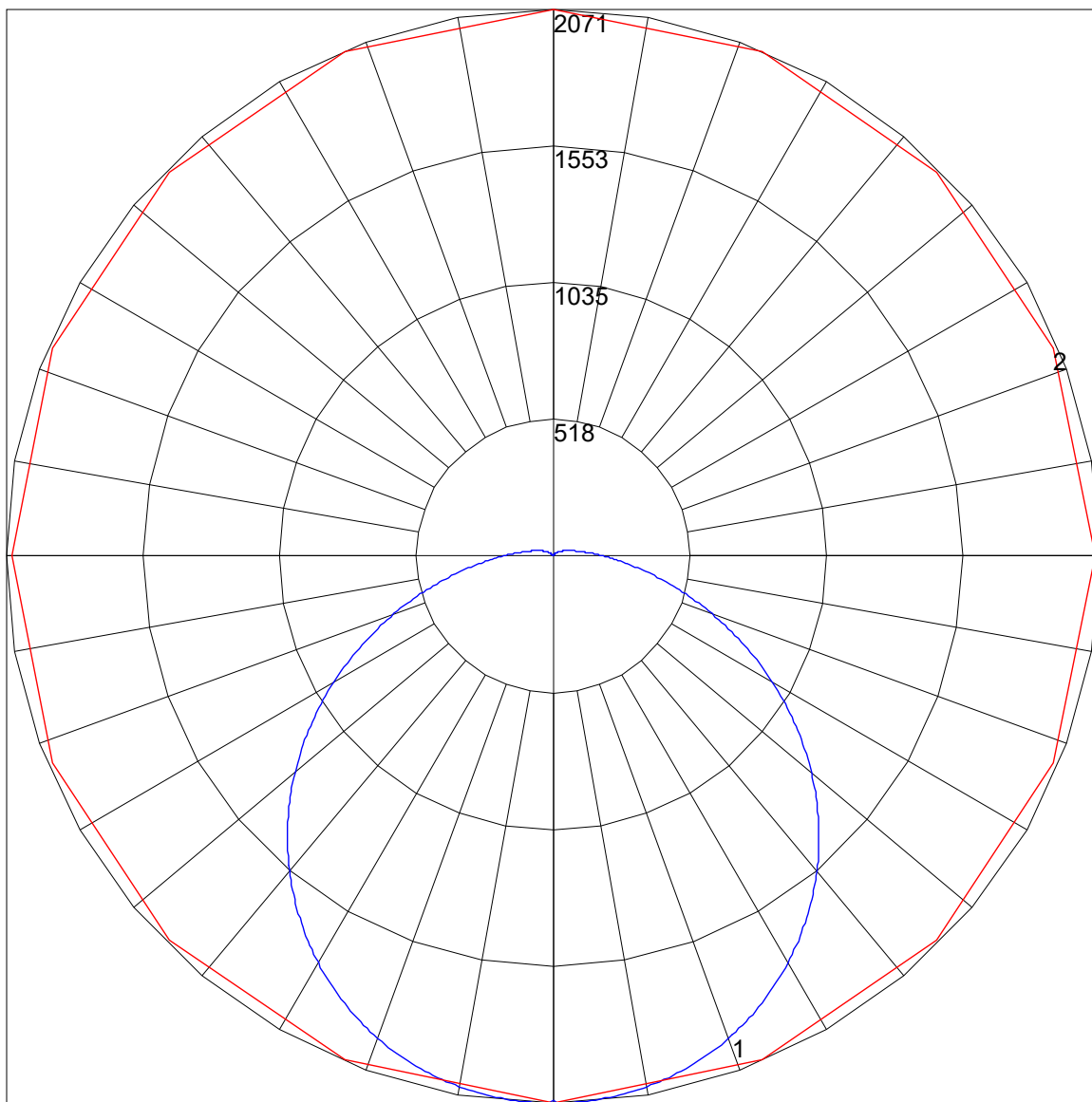
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UGR TABLE - CORRECTED

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	20.8	22.4	21.2	22.8	23.2	22.8	24.4	23.2	24.8	25.2
	3H	22.0	23.5	22.5	23.8	24.3	24.8	26.2	25.2	26.6	27.1
	4H	22.4	23.7	22.8	24.1	24.6	25.7	27.0	26.1	27.4	27.9
	6H	22.6	23.8	23.0	24.3	24.7	26.4	27.7	26.9	28.1	28.6
	8H	22.6	23.8	23.1	24.3	24.7	26.8	28.0	27.3	28.5	28.9
	12H	22.6	23.8	23.1	24.2	24.7	27.2	28.3	27.7	28.8	29.3
4H	2H	21.7	23.0	22.1	23.4	23.9	23.3	24.6	23.7	25.0	25.5
	3H	23.1	24.2	23.5	24.7	25.2	25.4	26.6	25.9	27.0	27.5
	4H	23.6	24.6	24.0	25.1	25.6	26.4	27.5	26.9	27.9	28.4
	6H	23.9	24.8	24.4	25.3	25.8	27.4	28.3	27.9	28.8	29.3
	8H	23.9	24.8	24.4	25.3	25.8	27.8	28.7	28.3	29.2	29.7
	12H	24.0	24.7	24.5	25.3	25.8	28.3	29.1	28.8	29.6	30.2
8H	4H	24.1	25.0	24.6	25.5	26.0	26.6	27.5	27.1	28.0	28.5
	6H	24.6	25.3	25.1	25.8	26.4	27.7	28.4	28.2	29.0	29.5
	8H	24.7	25.4	25.2	25.9	26.5	28.3	28.9	28.8	29.5	30.0
	12H	24.8	25.4	25.3	25.9	26.5	28.9	29.5	29.4	30.0	30.6
12H	4H	24.2	25.0	24.7	25.5	26.1	26.6	27.4	27.1	27.9	28.5
	6H	24.8	25.4	25.3	25.9	26.5	27.7	28.4	28.3	28.9	29.5
	8H	25.0	25.6	25.5	26.1	26.7	28.4	28.9	28.9	29.5	30.1

Maximum UGR = 30.6

POLAR GRAPH



Maximum Candela = 2070.672 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.)