



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 2 HI UV FR 940.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-003(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUEDATE] 5/20/2022

[MANUFAC] Lumen Focus, LLC

[LUMCAT] ECL N G2 2 HI UV FR 940

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

[MORE] translucent curved plastic enclosure.

[LAMP] 48 white LEDs on one LS3873A LED board

[BALLAST] One ULT D700C20UNVPW-C LED driver labeled as 420mA

[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	3156
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	22.6
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)	1.99 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	22781	20817	20547
55	19510	18233	18203
65	15466	15231	15439
75	11102	12212	12343
85	6134	9904	9727

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	385.87	N.A.	12.20
0-30	820.97	N.A.	26.00
0-40	1343.61	N.A.	42.60
0-60	2348.35	N.A.	74.40
0-80	2927.85	N.A.	92.80
0-90	3044.74	N.A.	96.50
10-90	2945.12	N.A.	93.30
20-40	957.74	N.A.	30.30
20-50	1491.83	N.A.	47.30
40-70	1359.63	N.A.	43.10
60-80	579.50	N.A.	18.40
70-80	224.61	N.A.	7.10
80-90	116.89	N.A.	3.70
90-110	80.84	N.A.	2.60
90-120	94.80	N.A.	3.00
90-130	102.47	N.A.	3.20
90-150	109.35	N.A.	3.50
90-180	111.27	N.A.	3.50
110-180	30.43	N.A.	1.00
0-180	3156.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.61
10-20	286.26
20-30	435.09
30-40	522.64
40-50	534.10
50-60	470.64
60-70	354.89
70-80	224.61
80-90	116.89
90-100	54.31
100-110	26.53
110-120	13.96
120-130	7.67
130-140	4.38
140-150	2.49
150-160	1.38
160-170	0.50
170-180	0.05

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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	96
1	107	102	98	93	104	99	95	92	95	91	88	90	87	85	86	84	82	79
2	97	89	82	76	94	87	80	75	82	77	72	79	74	70	75	71	68	66
3	89	78	70	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	79	67	59	53	64	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	45	58	50	45	55	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	38	48	42	38	36
7	64	50	42	35	62	49	41	35	47	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	43	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	23

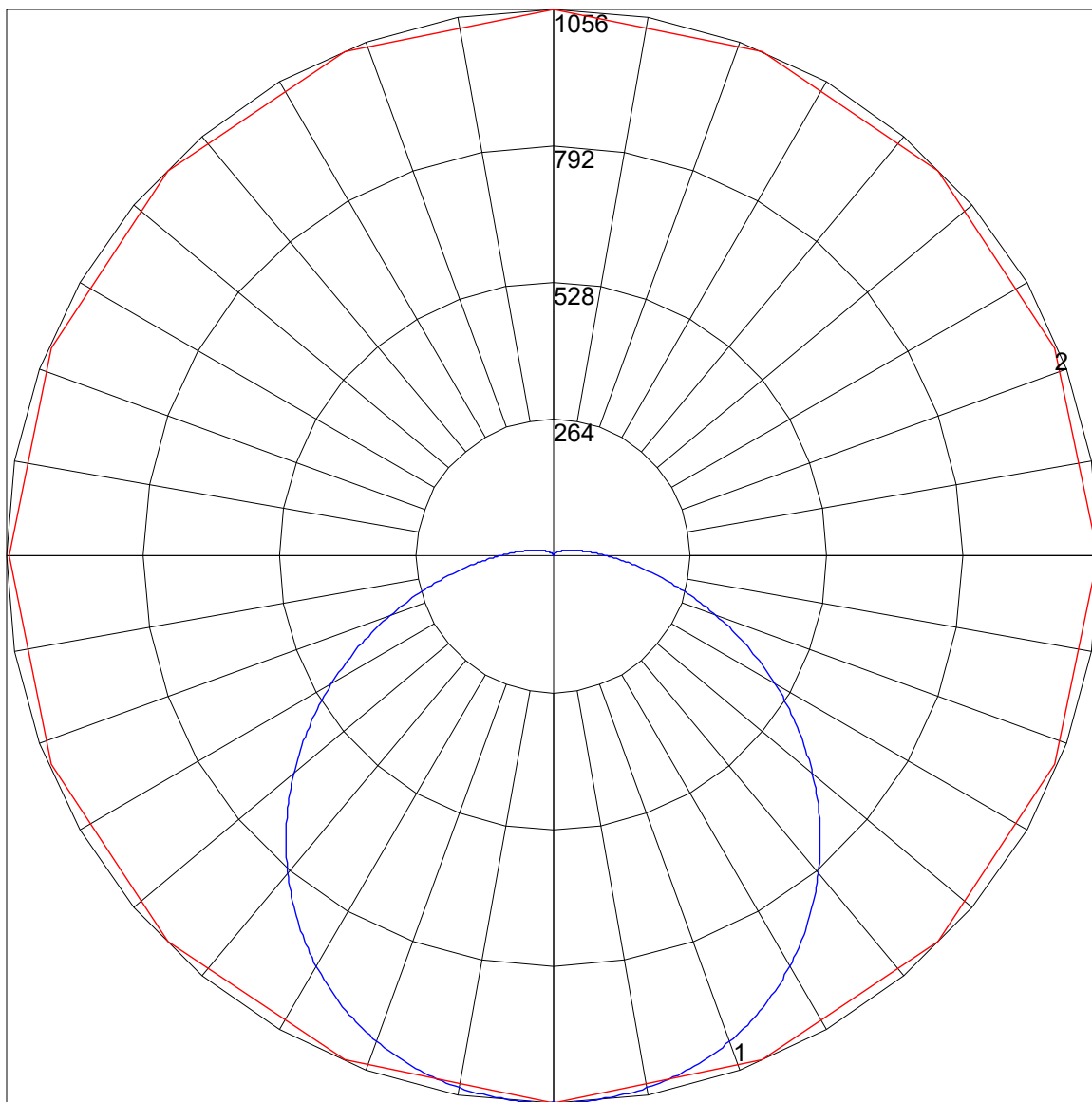
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UGR TABLE - CORRECTED

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	20.6	22.1	21.0	22.5	23.0	22.7	24.3	23.1	24.7	25.1
	3H	21.8	23.2	22.2	23.6	24.1	24.7	26.1	25.2	26.5	27.0
	4H	22.1	23.5	22.6	23.9	24.4	25.6	26.9	26.0	27.3	27.8
	6H	22.3	23.6	22.8	24.0	24.5	26.4	27.6	26.9	28.1	28.6
	8H	22.4	23.6	22.9	24.0	24.5	26.8	28.0	27.3	28.4	28.9
	12H	22.4	23.5	22.9	24.0	24.5	27.2	28.3	27.7	28.8	29.3
4H	2H	21.4	22.8	21.9	23.2	23.7	23.1	24.5	23.6	24.9	25.4
	3H	22.9	24.0	23.4	24.5	25.0	25.3	26.5	25.8	26.9	27.4
	4H	23.4	24.4	23.9	24.9	25.4	26.4	27.4	26.9	27.9	28.4
	6H	23.7	24.6	24.2	25.1	25.6	27.3	28.2	27.9	28.7	29.3
	8H	23.7	24.6	24.3	25.1	25.6	27.8	28.6	28.3	29.2	29.7
	12H	23.8	24.5	24.3	25.1	25.6	28.3	29.1	28.8	29.6	30.2
8H	4H	23.9	24.8	24.4	25.3	25.8	26.5	27.4	27.1	27.9	28.5
	6H	24.4	25.1	24.9	25.6	26.2	27.7	28.4	28.2	28.9	29.5
	8H	24.5	25.2	25.1	25.7	26.3	28.2	28.9	28.8	29.5	30.0
	12H	24.6	25.2	25.2	25.7	26.4	28.9	29.5	29.5	30.0	30.7
12H	4H	24.0	24.8	24.6	25.3	25.9	26.5	27.3	27.1	27.8	28.4
	6H	24.6	25.2	25.2	25.8	26.4	27.7	28.3	28.3	28.9	29.5
	8H	24.8	25.4	25.4	25.9	26.6	28.4	28.9	28.9	29.5	30.1

Maximum UGR = 30.7

POLAR GRAPH



Maximum Candela = 1055.755 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.)