



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : RCL G2 6 MD UV FR 935.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] RCL G2 6 MD UV FR 935

[LUMINAIRE] Retrofit kit installed in an A.L.P. SEP260 6' housing. Formed

[MORE] white painted steel reflector, translucent curved plastic enclosure.

[LAMP] 84 white LEDs on three LS3872A LED boards

[BALLAST] One ULT D15CC55UNVPW-C LED driver labeled as 960mA

[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	6191
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	43.9
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)	6.00 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	8740	8398	8363
55	7634	7630	7681
65	6158	6684	6780
75	4504	5730	5740
85	2672	5374	5035

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	769.75	N.A.	12.40
0-30	1636.96	N.A.	26.40
0-40	2680.36	N.A.	43.30
0-60	4698.48	N.A.	75.90
0-80	5856.93	N.A.	94.60
0-90	6080.81	N.A.	98.20
10-90	5882.05	N.A.	95.00
20-40	1910.6	N.A.	30.90
20-50	2981.2	N.A.	48.20
40-70	2731.48	N.A.	44.10
60-80	1158.45	N.A.	18.70
70-80	445.10	N.A.	7.20
80-90	223.88	N.A.	3.60
90-110	110.36	N.A.	1.80
90-120	110.58	N.A.	1.80
90-130	110.58	N.A.	1.80
90-150	110.58	N.A.	1.80
90-180	110.58	N.A.	1.80
110-180	0.22	N.A.	0.00
0-180	6191.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	198.77
10-20	570.99
20-30	867.21
30-40	1043.39
40-50	1070.6
50-60	947.53
60-70	713.35
70-80	445.10
80-90	223.88
90-100	89.74
100-110	20.62
110-120	0.22
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	26	36	30	25	35	29	25	23

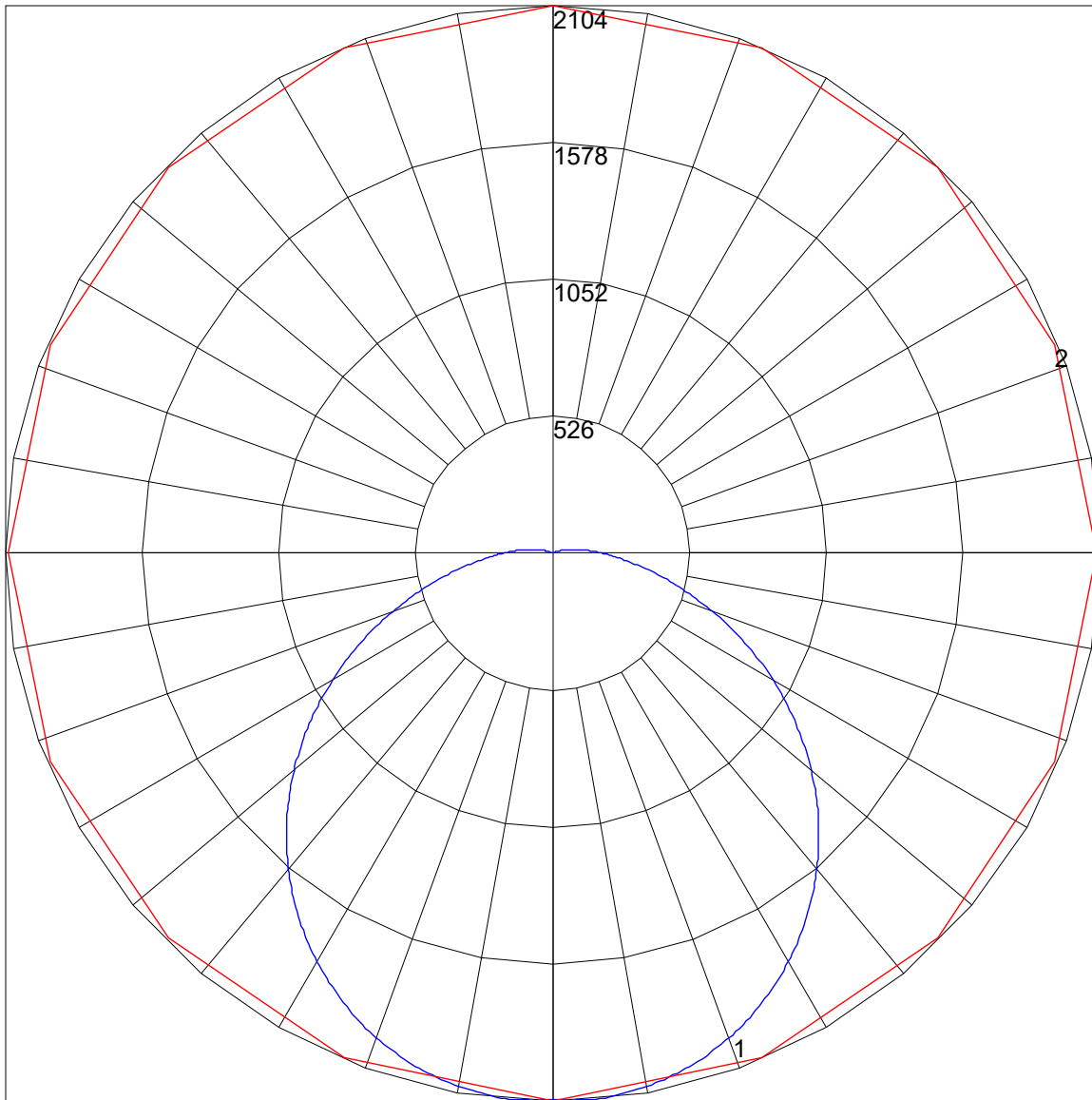
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**UGR TABLE - CORRECTED**

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	17.9	19.5	18.3	19.9	20.2	19.6	21.2	20.0	21.6	21.9
	3H	19.2	20.7	19.6	21.0	21.4	21.6	23.0	22.0	23.4	23.8
	4H	19.6	21.0	20.0	21.4	21.8	22.4	23.8	22.9	24.2	24.6
	6H	19.8	21.1	20.3	21.5	21.9	23.2	24.5	23.7	24.9	25.3
	8H	19.9	21.1	20.3	21.5	22.0	23.6	24.8	24.1	25.3	25.7
	12H	19.9	21.1	20.4	21.5	22.0	24.0	25.2	24.5	25.6	26.1
4H	2H	18.7	20.1	19.2	20.5	20.9	20.1	21.4	20.5	21.8	22.3
	3H	20.3	21.4	20.7	21.9	22.3	22.3	23.4	22.7	23.9	24.3
	4H	20.8	21.9	21.3	22.3	22.8	23.3	24.3	23.8	24.8	25.3
	6H	21.2	22.1	21.6	22.6	23.1	24.3	25.2	24.7	25.7	26.2
	8H	21.2	22.1	21.7	22.6	23.1	24.7	25.6	25.2	26.1	26.6
	12H	21.3	22.1	21.8	22.6	23.1	25.2	26.0	25.7	26.5	27.0
8H	4H	21.4	22.2	21.9	22.7	23.2	23.5	24.4	24.0	24.9	25.4
	6H	21.9	22.6	22.4	23.1	23.7	24.7	25.4	25.2	25.9	26.4
	8H	22.1	22.7	22.6	23.3	23.8	25.3	25.9	25.8	26.4	27.0
	12H	22.2	22.8	22.7	23.3	23.9	25.9	26.5	26.4	27.0	27.6
12H	4H	21.5	22.3	22.0	22.8	23.3	23.5	24.3	24.0	24.8	25.3
	6H	22.1	22.8	22.7	23.3	23.8	24.7	25.4	25.3	25.9	26.5
	8H	22.3	22.9	22.9	23.5	24.1	25.4	25.9	25.9	26.5	27.1

Maximum UGR = 27.6

POLAR GRAPH



Maximum Candela = 2103.953 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.)