



IES INDOOR REPORT
PHOTOMETRIC FILENAME : DLR G 4 MD 12 SW 9SEL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB] EVERFINE
[TESTDATE] 2021-12-23
[ISSUEDATE] 2022-05-28 09:49:51
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] LUMENFOCUS, LLC.
[LUMCAT] DLR G 4 MD 12 SW 9SEL
[LUMINAIRE] LED 4" CCT-SELECT RETROFIT GIMBAL CAN/10W/27-50K/DIM/120V

CHARACTERISTICS

Lumens Per Lamp	754.94 (1 lamp)
Total Lamp Lumens	754.94
Luminaire Lumens	755
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	9.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.14 m (Diameter)
Luminous Width (90-270)	0.14 m (Diameter)
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18207	17243	17354
55	17241	16166	16292
65	15027	14497	14613
75	10158	10827	11496
85	1627	2012	3909

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	102.24	13.50	13.50
0-30	216.13	28.60	28.60
0-40	352.19	46.70	46.70
0-60	613.81	81.30	81.30
0-80	745.68	98.80	98.80
0-90	751.73	99.60	99.60
10-90	725.19	96.10	96.10
20-40	249.95	33.10	33.10
20-50	389.07	51.50	51.50
40-70	350.12	46.40	46.40
60-80	131.87	17.50	17.50
70-80	43.37	5.70	5.70
80-90	6.05	0.80	0.80
90-110	0.30	0.00	0.00
90-120	0.70	0.10	0.10
90-130	1.24	0.20	0.20
90-150	2.36	0.30	0.30
90-180	3.21	0.40	0.40
110-180	2.92	0.40	0.40
0-180	754.94	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	26.54
10-20	75.70
20-30	113.89
30-40	136.06
40-50	139.11
50-60	122.50
60-70	88.50
70-80	43.37
80-90	6.05
90-100	0.08
100-110	0.22
110-120	0.40
120-130	0.54
130-140	0.58
140-150	0.54
150-160	0.45
160-170	0.30
170-180	0.11

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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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	71	66	62	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	49	75	63	55	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	48	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

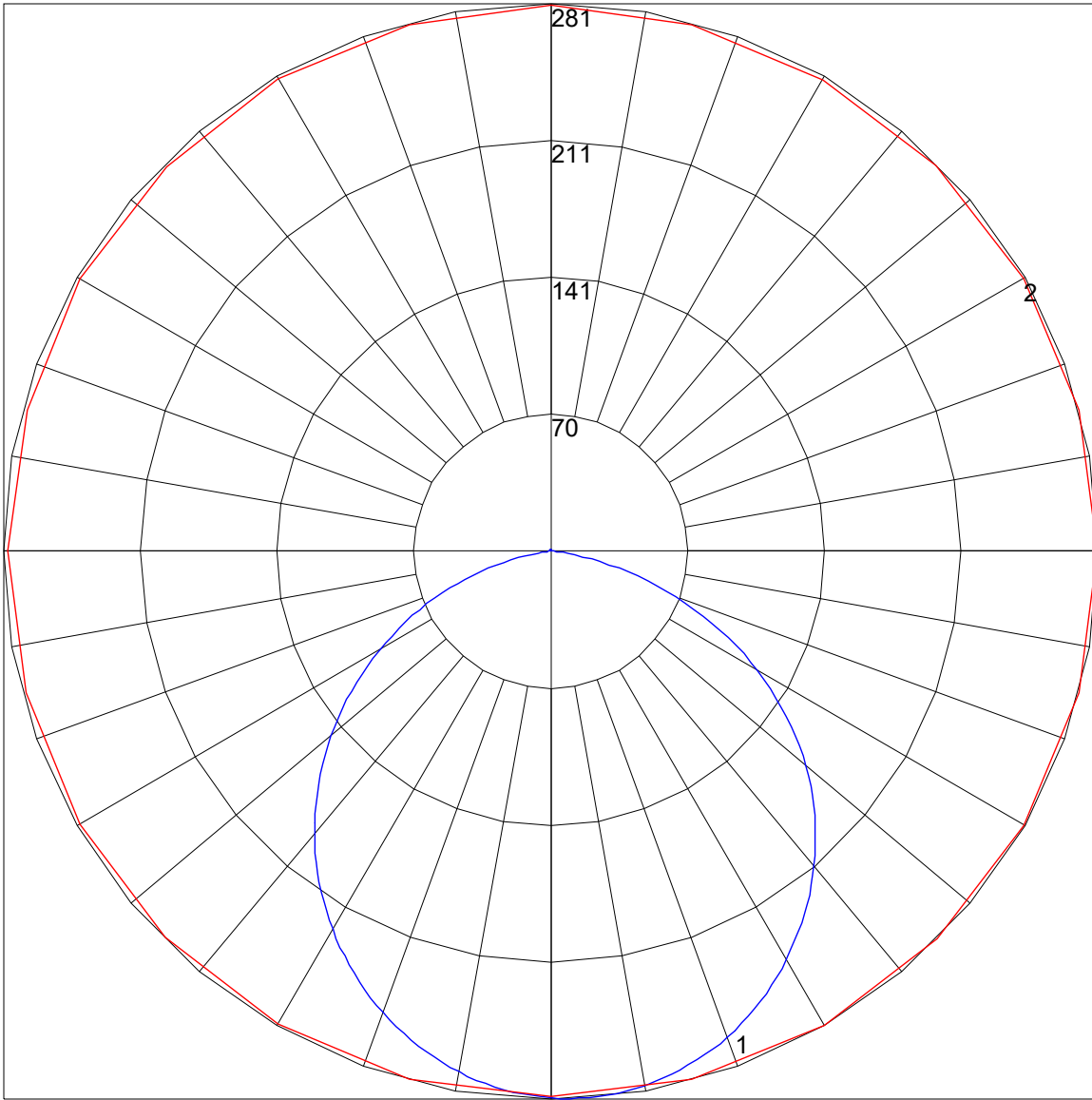
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UGR TABLE - CORRECTED

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	21.4	23.0	21.7	23.3	23.6	20.7	22.3	21.0	22.6	22.9
	3H	22.9	24.4	23.3	24.7	25.0	22.3	23.8	22.7	24.1	24.4
	4H	23.3	24.7	23.7	25.1	25.4	22.8	24.2	23.2	24.6	24.9
	6H	23.5	24.8	23.9	25.1	25.5	23.2	24.5	23.6	24.8	25.2
	8H	23.5	24.7	23.9	25.1	25.5	23.2	24.4	23.7	24.8	25.2
	12H	23.5	24.6	23.9	25.0	25.4	23.3	24.4	23.7	24.8	25.2
4H	2H	21.9	23.3	22.3	23.7	24.0	21.2	22.6	21.6	23.0	23.3
	3H	23.7	24.8	24.1	25.2	25.6	23.0	24.2	23.4	24.6	25.0
	4H	24.2	25.2	24.6	25.6	26.1	23.7	24.7	24.1	25.1	25.5
	6H	24.4	25.3	24.9	25.8	26.2	24.1	25.0	24.5	25.4	25.9
	8H	24.4	25.3	24.9	25.7	26.2	24.2	25.0	24.6	25.4	25.9
	12H	24.4	25.2	24.9	25.6	26.1	24.2	24.9	24.7	25.4	25.9
8H	4H	24.4	25.2	24.9	25.7	26.1	23.9	24.7	24.3	25.1	25.6
	6H	24.7	25.4	25.2	25.9	26.3	24.3	25.0	24.8	25.5	26.0
	8H	24.7	25.3	25.2	25.8	26.3	24.4	25.0	24.9	25.6	26.0
	12H	24.7	25.2	25.2	25.7	26.3	24.5	25.0	25.0	25.5	26.1
12H	4H	24.4	25.2	24.9	25.6	26.1	23.9	24.6	24.3	25.1	25.5
	6H	24.7	25.3	25.2	25.8	26.3	24.3	25.0	24.9	25.4	26.0
	8H	24.7	25.3	25.2	25.8	26.3	24.4	25.0	24.9	25.5	26.0

Maximum UGR = 26.3

POLAR GRAPH



Maximum Candela = 281.41 Located At Horizontal Angle = 345, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (345 - 165) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)