



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : DLR V2 4 MD 12 WB 9SEL [4000K].IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] ASD LIGHTING CORP

[TESTDATE] 2022-03-07

[ISSUEDATE] 2022-03-07 13:16:33

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-2000B\_V1 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMCAT] DLR v2 4 MD 12 WB 9SEL [4000K]

[LUMINAIRE] LED 4IN CCT-SELECT RETROFIT CAN/10W/27-50K/DIMM/120V/MED

[LAMPCAT]

### CHARACTERISTICS

Lumens Per Lamp	709.96 (1 lamp)
Total Lamp Lumens	709.96
Luminaire Lumens	710
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	9.31
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.52 m (Diameter)
Luminous Width (90-270)	0.52 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	1148	1224	1276
55	941	1073	1176
65	531	732	932
75	182	238	397
85	57	127	229

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	105.93	14.90	14.90
0-30	224.65	31.60	31.60
0-40	365.96	51.50	51.50
0-60	621.46	87.50	87.50
0-80	700.69	98.70	98.70
0-90	703.53	99.10	99.10
10-90	676.14	95.20	95.20
20-40	260.03	36.60	36.60
20-50	401.11	56.50	56.50
40-70	318.31	44.80	44.80
60-80	79.23	11.20	11.20
70-80	16.41	2.30	2.30
80-90	2.84	0.40	0.40
90-110	0.76	0.10	0.10
90-120	1.59	0.20	0.20
90-130	2.64	0.40	0.40
90-150	4.78	0.70	0.70
90-180	6.43	0.90	0.90
110-180	5.67	0.80	0.80
0-180	709.96	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	27.39
10-20	78.54
20-30	118.72
30-40	141.31
40-50	141.07
50-60	114.42
60-70	62.82
70-80	16.41
80-90	2.84
90-100	0.23
100-110	0.53
110-120	0.84
120-130	1.05
130-140	1.11
140-150	1.03
150-160	0.86
160-170	0.59
170-180	0.21

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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	101	101	101	99
1	110	106	103	99	108	104	101	98	100	97	94	96	93	91	92	90	89	86
2	101	94	88	83	99	92	87	82	89	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	69	66	64
4	86	75	67	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	52	77	66	58	52	64	57	51	62	56	51	60	54	50	48
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	54	49	44	42
7	68	55	47	41	66	54	46	41	53	45	40	51	45	40	50	44	40	38
8	63	50	42	37	62	50	42	36	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	44	37	33	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	33	29	28

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**UGR TABLE - CORRECTED**

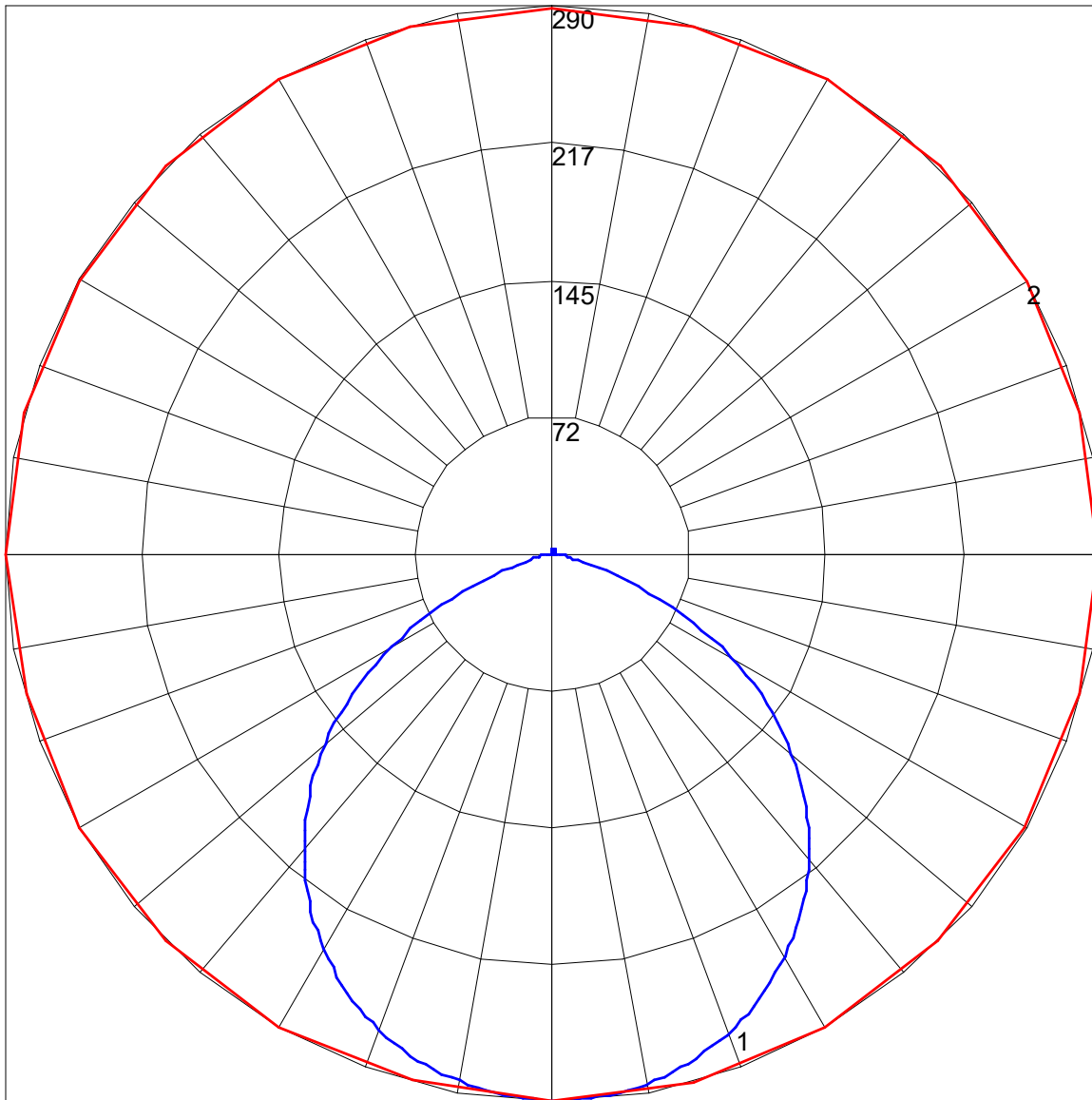
Reflectances

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	10.6	12.1	10.9	12.4	12.7	12.1	13.6	12.5	13.9	14.3
	3H	10.9	12.3	11.3	12.6	13.0	13.2	14.5	13.6	14.9	15.3
	4H	11.0	12.2	11.4	12.6	13.0	13.3	14.6	13.8	15.0	15.4
	6H	11.0	12.1	11.4	12.5	12.9	13.4	14.5	13.8	14.9	15.3
	8H	10.9	12.0	11.4	12.4	12.9	13.3	14.4	13.8	14.8	15.3
	12H	10.9	12.0	11.4	12.4	12.8	13.3	14.4	13.8	14.8	15.2
4H	2H	11.0	12.2	11.4	12.6	13.0	12.4	13.6	12.8	14.0	14.4
	3H	11.4	12.4	11.9	12.9	13.3	13.6	14.6	14.0	15.0	15.4
	4H	11.4	12.4	11.9	12.8	13.3	13.7	14.7	14.2	15.1	15.6
	6H	11.5	12.3	12.0	12.7	13.2	13.8	14.6	14.3	15.0	15.5
	8H	11.5	12.2	11.9	12.7	13.2	13.8	14.5	14.3	15.0	15.5
	12H	11.4	12.1	11.9	12.6	13.1	13.8	14.4	14.3	14.9	15.4
8H	4H	11.5	12.2	11.9	12.7	13.2	13.7	14.4	14.2	14.9	15.4
	6H	11.5	12.1	12.0	12.6	13.1	13.7	14.3	14.2	14.9	15.4
	8H	11.5	12.0	12.0	12.6	13.1	13.7	14.3	14.3	14.8	15.3
	12H	11.5	12.0	12.0	12.5	13.1	13.8	14.2	14.3	14.8	15.3
12H	4H	11.4	12.1	11.9	12.6	13.1	13.7	14.3	14.2	14.8	15.3
	6H	11.5	12.0	12.0	12.5	13.1	13.7	14.3	14.2	14.7	15.3
	8H	11.5	12.0	12.0	12.5	13.1	13.7	14.2	14.2	14.7	15.3

Maximum UGR = 15.6

POLAR GRAPH



Maximum Candela = 289.91 Located At Horizontal Angle = 60, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)