



IES INDOOR REPORT

PHOTOMETRIC FILENAME : DLS V2 4 SEL UV SW 9SEL [LW,940].IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 027
[TESTLAB] EVERFINE
[TESTDATE] 2020-06-17
[ISSUEDATE] 2020-08-01 08:48:25
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] LumenFocus, LLC.
[LUMINAIRE] DLS v2 4 SEL UV SW 9SEL [LW,940]
[LUMCAT] LED 4" Can - 7W/40K/Dim/100-277V

CHARACTERISTICS

Lumens Per Lamp	638.944 (1 lamp)
Total Lamp Lumens	638.944
Luminaire Lumens	639
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	6.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.18 m (Diameter)
Luminous Width (90-270)	0.18 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	9023	9023	9023
55	6734	6734	6734
65	4701	4701	4701
75	2929	2929	2929
85	1307	1307	1307

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	108.11	16.90	16.90
0-30	225.65	35.30	35.30
0-40	357.97	56.00	56.00
0-60	560.26	87.70	87.70
0-80	628.61	98.40	98.40
0-90	632.49	99.00	99.00
10-90	604.24	94.60	94.60
20-40	249.86	39.10	39.10
20-50	368.15	57.60	57.60
40-70	250.50	39.20	39.20
60-80	68.35	10.70	10.70
70-80	20.14	3.20	3.20
80-90	3.88	0.60	0.60
90-110	0.86	0.10	0.10
90-120	1.65	0.30	0.30
90-130	2.64	0.40	0.40
90-150	4.74	0.70	0.70
90-180	6.41	1.00	1.00
110-180	5.55	0.90	0.90
0-180	638.90	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	28.25
10-20	79.86
20-30	117.54
30-40	132.33
40-50	118.29
50-60	84.00
60-70	48.21
70-80	20.14
80-90	3.88
90-100	0.31
100-110	0.55
110-120	0.79
120-130	0.99
130-140	1.07
140-150	1.02
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	95	96	93	91	92	90	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	72	91	83	76	71	80	74	70	77	72	68	74	70	67	65
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	67	63	59	57
5	80	69	60	54	78	67	60	54	65	59	53	63	57	53	61	56	52	50
6	74	62	54	48	73	61	54	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	54	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

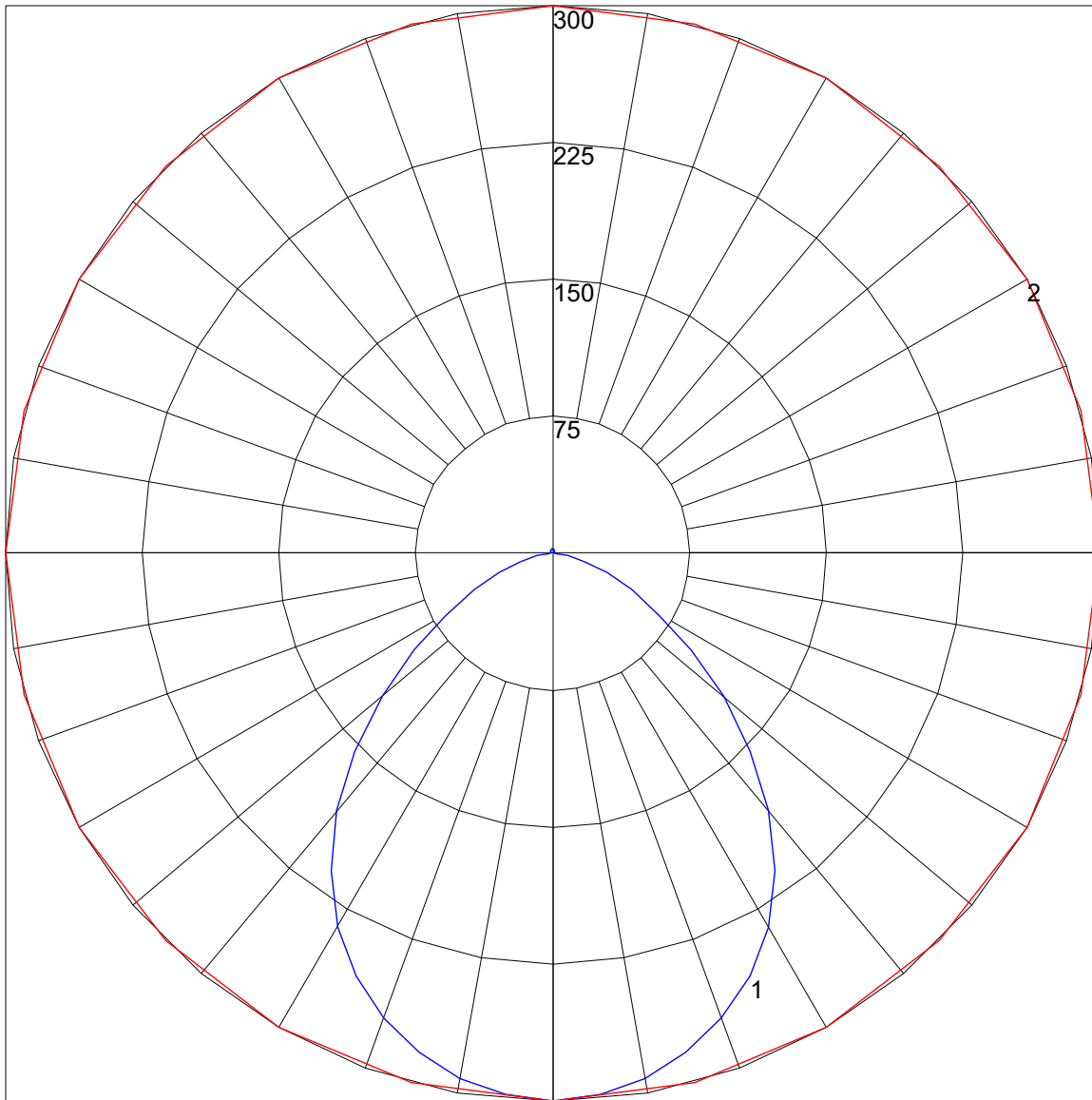
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UGR TABLE - CORRECTED

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	16.8	18.3	17.2	18.6	19.0	16.8	18.3	17.2	18.6	19.0
	3H	17.9	19.2	18.3	19.5	19.9	17.9	19.2	18.3	19.5	19.9
	4H	18.1	19.3	18.6	19.7	20.1	18.1	19.3	18.6	19.7	20.1
	6H	18.3	19.4	18.7	19.8	20.2	18.3	19.4	18.7	19.8	20.2
	8H	18.3	19.3	18.7	19.8	20.2	18.3	19.3	18.7	19.8	20.2
	12H	18.3	19.3	18.7	19.7	20.2	18.3	19.3	18.7	19.7	20.2
4H	2H	17.2	18.4	17.6	18.8	19.2	17.2	18.4	17.6	18.8	19.2
	3H	18.4	19.4	18.8	19.8	20.2	18.4	19.4	18.8	19.8	20.2
	4H	18.8	19.6	19.2	20.1	20.5	18.8	19.6	19.2	20.1	20.5
	6H	18.9	19.7	19.4	20.2	20.7	18.9	19.7	19.4	20.2	20.7
	8H	19.0	19.7	19.5	20.2	20.7	19.0	19.7	19.5	20.2	20.7
	12H	19.0	19.6	19.5	20.1	20.6	19.0	19.6	19.5	20.1	20.6
8H	4H	18.8	19.6	19.3	20.0	20.5	18.8	19.6	19.3	20.0	20.5
	6H	19.1	19.7	19.6	20.2	20.7	19.1	19.7	19.6	20.2	20.7
	8H	19.2	19.7	19.7	20.2	20.7	19.2	19.7	19.7	20.2	20.7
	12H	19.2	19.7	19.7	20.2	20.8	19.2	19.7	19.7	20.2	20.8
12H	4H	18.8	19.5	19.3	20.0	20.5	18.8	19.5	19.3	20.0	20.5
	6H	19.1	19.6	19.6	20.1	20.7	19.1	19.6	19.6	20.1	20.7
	8H	19.2	19.6	19.7	20.2	20.7	19.2	19.6	19.7	20.2	20.7

Maximum UGR = 20.8

POLAR GRAPH



Maximum Candela = 300.245 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)