IES INDOOR REPORT
PHOTOMETRIC FILENAME : DLS V2 8 SEL UV SW 9SEL [MD,950].IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 20211007k
[TESTLAB] EVERFINE
[TESTDATE] 2021-10-07
[ISSUEDATE] 2021-10-08 11:10:16
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] LumenFocus, LLC.
[LUMINAIRE] LED 8" Can - 20W/50K/Dim/100-277V
[LUMCAT] DLS v2 8 SEL UV SW 9SEL [MD/950]

CHARACTERISTICS

Lumens Per Lamp	1818.9 (1 lamp)
Total Lamp Lumens	1818.9
Luminaire Lumens	1819
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	19.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.19 m (Diameter)
Luminous Width (90-270)	0.19 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	23836	24100	24141
55	18341	18779	18927
65	11651	12215	12607
75	5078	5722	6155
85	2539	3594	4214

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	302.09	16.60	16.60
0-30	628.44	34.60	34.60
0-40	1001.00	55.00	55.00
0-60	1612.42	88.60	88.70
0-80	1793.78	98.60	98.60
0-90	1802.31	99.10	99.10
10-90	1723.24	94.70	94.70
20-40	698.91	38.40	38.40
20-50	1051.15	57.80	57.80
40-70	749.28	41.20	41.20
60-80	181.36	10.00	10.00
70-80	43.50	2.40	2.40
80-90	8.53	0.50	0.50
90-110	2.01	0.10	0.10
90-120	3.98	0.20	0.20
90-130	6.50	0.40	0.40
90-150	12.01	0.70	0.70
90-180	16.54	0.90	0.90
110-180	14.53	0.80	0.80
0-180	1818.85	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.07
10-20	223.02
20-30	326.35
30-40	372.56
40-50	352.24
50-60	259.18
60-70	137.86
70-80	43.50
80-90	8.53
90-100	0.70
100-110	1.31
110-120	1.97
120-130	2.52
130-140	2.79
140-150	2.72
150-160	2.34
160-170	1.61
170-180	0.58

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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	107	103	100	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75
3	94	85	77	72	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	67	63	59	57
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	61	56	52	50
6	74	62	54	48	72	61	53	48	59	52	47	58	51	47	56	51	46	44
7	69	57	48	43	67	56	48	43	54	47	42	53	47	42	51	46	42	40
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	47	42	38	36
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32
10	57	44	37	32	55	44	37	32	43	36	32	42	36	31	41	35	31	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	20.6	22.0	21.0	22.4	22.7	20.7	22.2	21.1	22.5	22.9
	3H	21.3	22.6	21.7	22.9	23.3	21.6	22.9	22.0	23.2	23.6
	4H	21.4	22.6	21.8	23.0	23.4	21.7	22.9	22.1	23.3	23.7
	6H	21.4	22.5	21.8	22.9	23.3	21.7	22.9	22.2	23.3	23.7
	8H	21.4	22.5	21.9	22.9	23.3	21.8	22.8	22.2	23.2	23.7
	12H	21.4	22.4	21.8	22.8	23.3	21.7	22.8	22.2	23.2	23.6
4H	2H	20.9	22.1	21.3	22.5	22.9	21.1	22.3	21.5	22.6	23.0
	3H	21.7	22.7	22.1	23.1	23.6	22.0	23.0	22.4	23.4	23.8
	4H	21.9	22.7	22.3	23.2	23.6	22.2	23.1	22.7	23.5	24.0
	6H	21.9	22.7	22.4	23.1	23.6	22.3	23.1	22.8	23.5	24.0
	8H	21.9	22.6	22.4	23.1	23.6	22.3	23.0	22.8	23.5	24.0
	12H	21.9	22.5	22.4	23.0	23.5	22.3	23.0	22.8	23.5	24.0
8H	4H	21.9	22.6	22.3	23.0	23.5	22.2	22.9	22.7	23.4	23.9
	6H	21.9	22.5	22.5	23.0	23.5	22.3	22.9	22.8	23.4	23.9
	8H	22.0	22.5	22.5	23.0	23.5	22.4	22.9	22.9	23.4	23.9
	12H	22.0	22.4	22.5	22.9	23.5	22.4	22.9	22.9	23.4	24.0
12H	4H	21.8	22.5	22.3	23.0	23.5	22.2	22.8	22.7	23.3	23.8
	6H	21.9	22.4	22.5	22.9	23.5	22.3	22.8	22.9	23.3	23.9
	8H	22.0	22.4	22.5	22.9	23.5	22.4	22.8	22.9	23.3	23.9

Maximum UGR = 24.0

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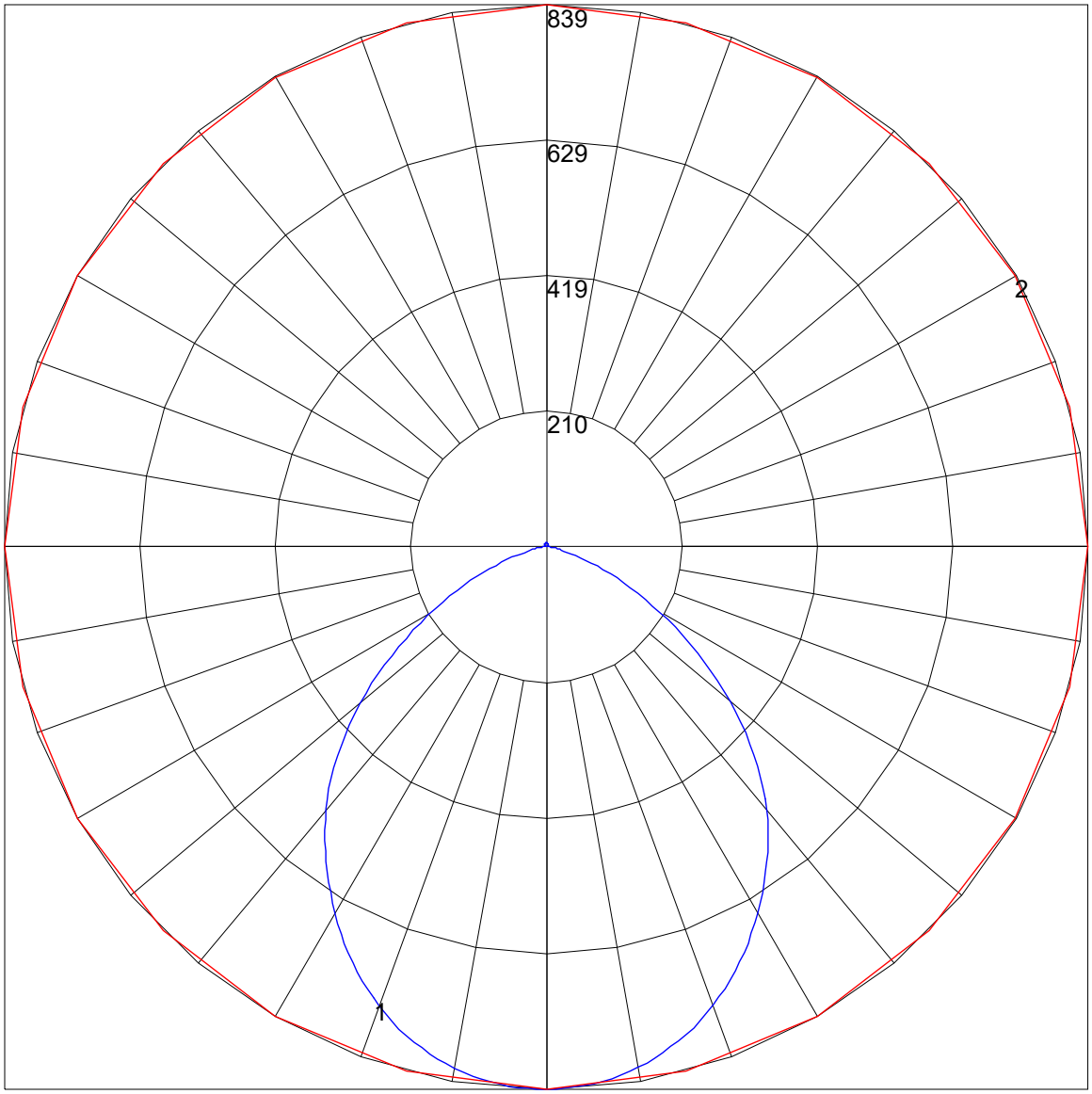
POLAR GRAPH



Maximum Candela = 838.69 Located At Horizontal Angle = 135, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (135 - 315) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)

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