IES INDOOR REPORT
PHOTOMETRIC FILENAME : DLS V2 8 SEL UV SW 9SEL [HI,940].IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 20211007q
[TESTLAB] EVERFINE
[TESTDATE] 2021-10-07
[ISSUEDATE] 2021-10-08 11:23:06
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] LumenFocus, LLC.
[LUMINAIRE] LED 8" Can - 30W/40K/Dim/100-277V
[LUMCAT] DLS v2 8 SEL UV SW 9SEL [HI/940]

CHARACTERISTICS

Lumens Per Lamp	2640.9 (1 lamp)
Total Lamp Lumens	2640.9
Luminaire Lumens	2641
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	28.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.20
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	34706	35596	35788
55	26755	28085	28504
65	16967	18555	19367
75	7417	8785	9610
85	3699	5449	6521

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	438.82	16.60	16.60
0-30	912.87	34.60	34.60
0-40	1453.94	55.10	55.10
0-60	2340.87	88.60	88.60
0-80	2604.23	98.60	98.60
0-90	2616.64	99.10	99.10
10-90	2501.78	94.70	94.70
20-40	1015.12	38.40	38.40
20-50	1526.3	57.80	57.80
40-70	1086.89	41.20	41.20
60-80	263.35	10.00	10.00
70-80	63.40	2.40	2.40
80-90	12.41	0.50	0.50
90-110	3.00	0.10	0.10
90-120	5.92	0.20	0.20
90-130	9.62	0.40	0.40
90-150	17.68	0.70	0.70
90-180	24.30	0.90	0.90
110-180	21.29	0.80	0.80
0-180	2640.93	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.86
10-20	323.97
20-30	474.05
30-40	541.07
40-50	511.18
50-60	375.75
60-70	199.95
70-80	63.40
80-90	12.41
90-100	1.06
100-110	1.94
110-120	2.92
120-130	3.70
130-140	4.08
140-150	3.98
150-160	3.41
160-170	2.35
170-180	0.85

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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	21.9	23.4	22.3	23.7	24.0	22.3	23.8	22.7	24.1	24.4
	3H	22.6	23.9	23.0	24.3	24.7	23.2	24.5	23.6	24.8	25.2
	4H	22.7	23.9	23.2	24.3	24.7	23.3	24.5	23.7	24.9	25.3
	6H	22.7	23.9	23.2	24.3	24.7	23.4	24.5	23.8	24.9	25.3
	8H	22.7	23.8	23.2	24.2	24.6	23.4	24.4	23.8	24.8	25.3
	12H	22.7	23.7	23.2	24.1	24.6	23.4	24.4	23.8	24.8	25.2
4H	2H	22.2	23.4	22.6	23.8	24.2	22.6	23.8	23.0	24.2	24.6
	3H	23.0	24.0	23.5	24.5	24.9	23.6	24.6	24.0	25.0	25.5
	4H	23.2	24.1	23.6	24.5	25.0	23.8	24.7	24.3	25.1	25.6
	6H	23.2	24.0	23.7	24.5	25.0	23.9	24.7	24.4	25.1	25.6
	8H	23.2	24.0	23.7	24.4	24.9	23.9	24.6	24.4	25.1	25.6
	12H	23.2	23.9	23.7	24.4	24.9	23.9	24.6	24.4	25.1	25.6
8H	4H	23.2	23.9	23.7	24.4	24.9	23.8	24.5	24.3	25.0	25.5
	6H	23.3	23.9	23.8	24.4	24.9	23.9	24.5	24.5	25.0	25.6
	8H	23.3	23.8	23.8	24.3	24.9	24.0	24.5	24.5	25.0	25.6
	12H	23.3	23.8	23.8	24.3	24.9	24.0	24.5	24.6	25.0	25.6
12H	4H	23.2	23.8	23.7	24.3	24.8	23.8	24.4	24.3	24.9	25.4
	6H	23.3	23.8	23.8	24.3	24.8	23.9	24.5	24.5	24.9	25.5
	8H	23.3	23.8	23.8	24.3	24.9	24.0	24.5	24.5	25.0	25.6

Maximum UGR = 25.6

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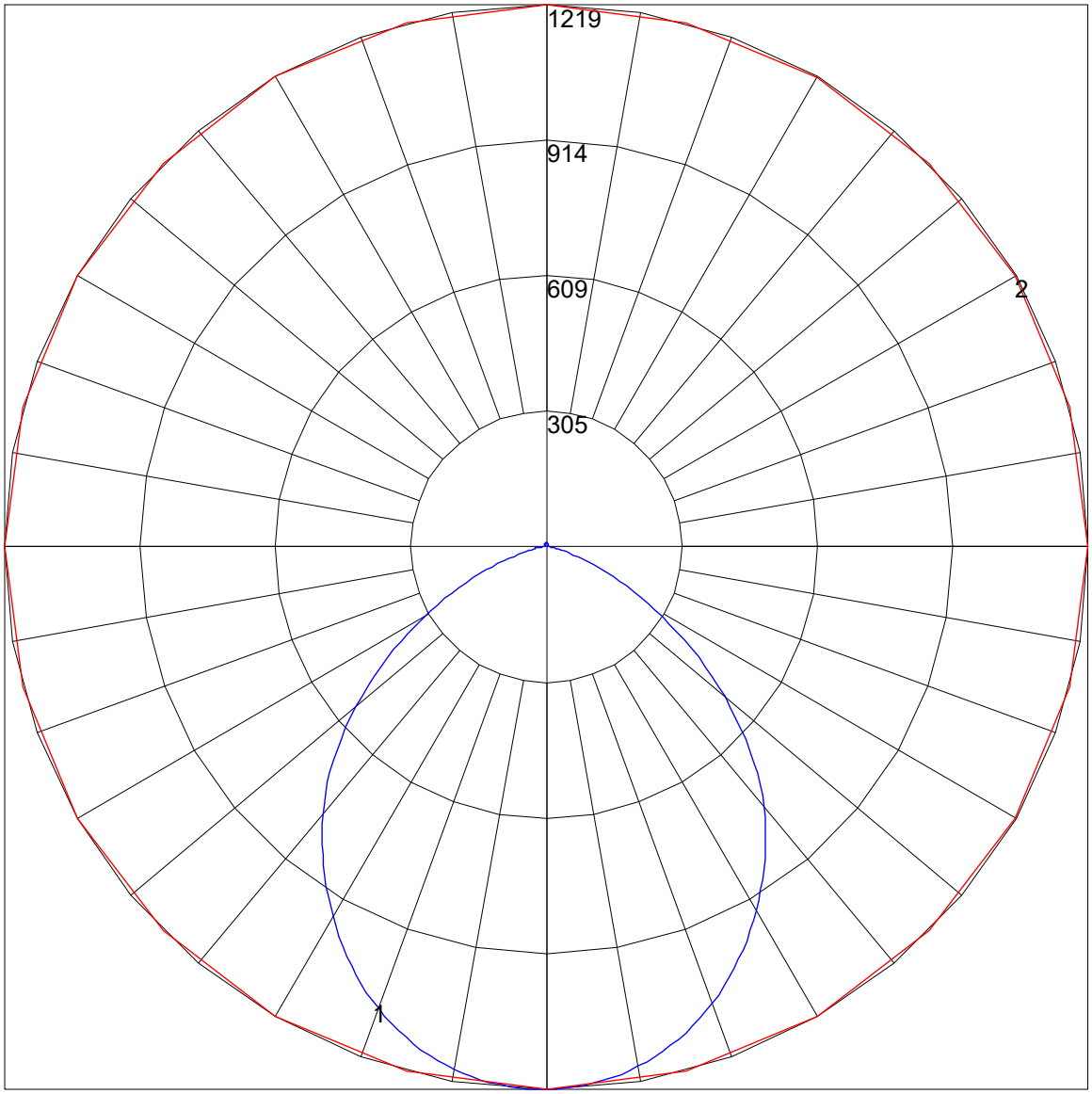
POLAR GRAPH



Maximum Candela = 1218.5 Located At Horizontal Angle = 105, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (105 - 285) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)

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