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PHOTOMETRIC FILENAME : DLS V2 6 SEL UV SW 9SEL [HI,940].IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] JG202002003Y
[TESTLAB] EVERFINE
[TESTDATE] 2021-09-25
[ISSUEDATE] 2021-10-12 08:08:40
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] LumenFocus, LLC.
[LUMINAIRE] LED 6" Can - 22W/40K/Dim/100-277V
[LUMCAT] DLS v2 6 SEL UV SW 9SEL [HI,940]

CHARACTERISTICS

Lumens Per Lamp	1812 (1 lamp)
Total Lamp Lumens	1812
Luminaire Lumens	1812
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	21.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.15 m (Diameter)
Luminous Width (90-270)	0.15 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	36320	37054	36796
55	23899	25553	25964
65	13383	14984	16193
75	5872	7284	8861
85	2196	3361	4883

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	313.86	17.30	17.30
0-30	655.71	36.20	36.20
0-40	1043.87	57.60	57.60
0-60	1633.1	90.10	90.10
0-80	1788.78	98.70	98.70
0-90	1795.41	99.10	99.10
10-90	1713.73	94.60	94.60
20-40	730.01	40.30	40.30
20-50	1083.61	59.80	59.80
40-70	706.01	39.00	39.00
60-80	155.68	8.60	8.60
70-80	38.90	2.10	2.10
80-90	6.63	0.40	0.40
90-110	1.82	0.10	0.10
90-120	3.76	0.20	0.20
90-130	6.30	0.30	0.30
90-150	11.95	0.70	0.70
90-180	16.62	0.90	0.90
110-180	14.80	0.80	0.80
0-180	1812.03	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.68
10-20	232.18
20-30	341.84
30-40	388.17
40-50	353.60
50-60	235.63
60-70	116.79
70-80	38.90
80-90	6.63
90-100	0.60
100-110	1.22
110-120	1.94
120-130	2.54
130-140	2.85
140-150	2.79
150-160	2.40
160-170	1.67
170-180	0.61

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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	111	107	103	100	108	105	101	99	100	98	95	96	94	92	93	91	89	87
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76
3	95	85	79	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66
4	87	77	69	63	85	76	68	63	73	67	62	71	65	61	69	64	60	58
5	81	70	62	56	79	68	61	55	66	60	55	64	59	54	62	57	53	51
6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	39	35	34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	36	32	31

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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	20.9	22.3	21.3	22.7	23.0	21.2	22.7	21.6	23.0	23.4
	3H	21.5	22.7	21.9	23.1	23.5	22.0	23.3	22.4	23.6	24.0
	4H	21.6	22.7	22.0	23.1	23.5	22.2	23.4	22.6	23.8	24.2
	6H	21.6	22.7	22.0	23.0	23.5	22.3	23.4	22.7	23.8	24.2
	8H	21.5	22.6	22.0	23.0	23.4	22.3	23.3	22.7	23.7	24.1
	12H	21.5	22.5	22.0	22.9	23.4	22.3	23.3	22.7	23.7	24.1
4H	2H	21.3	22.4	21.7	22.8	23.2	21.5	22.7	21.9	23.1	23.5
	3H	22.0	22.9	22.4	23.3	23.8	22.4	23.4	22.9	23.8	24.2
	4H	22.1	22.9	22.5	23.4	23.8	22.7	23.5	23.1	24.0	24.4
	6H	22.1	22.8	22.6	23.3	23.8	22.8	23.5	23.2	24.0	24.5
	8H	22.1	22.8	22.6	23.2	23.7	22.8	23.5	23.3	23.9	24.4
	12H	22.1	22.7	22.6	23.2	23.7	22.8	23.4	23.3	23.9	24.4
8H	4H	22.1	22.8	22.6	23.2	23.7	22.7	23.4	23.1	23.8	24.3
	6H	22.1	22.7	22.7	23.2	23.7	22.8	23.4	23.3	23.9	24.4
	8H	22.1	22.6	22.7	23.2	23.7	22.8	23.3	23.3	23.9	24.4
	12H	22.1	22.6	22.6	23.1	23.7	22.8	23.3	23.4	23.8	24.4
12H	4H	22.1	22.7	22.6	23.2	23.7	22.6	23.2	23.1	23.7	24.2
	6H	22.1	22.6	22.6	23.1	23.7	22.7	23.3	23.3	23.8	24.3
	8H	22.1	22.6	22.6	23.1	23.7	22.8	23.3	23.3	23.8	24.4

Maximum UGR = 24.5

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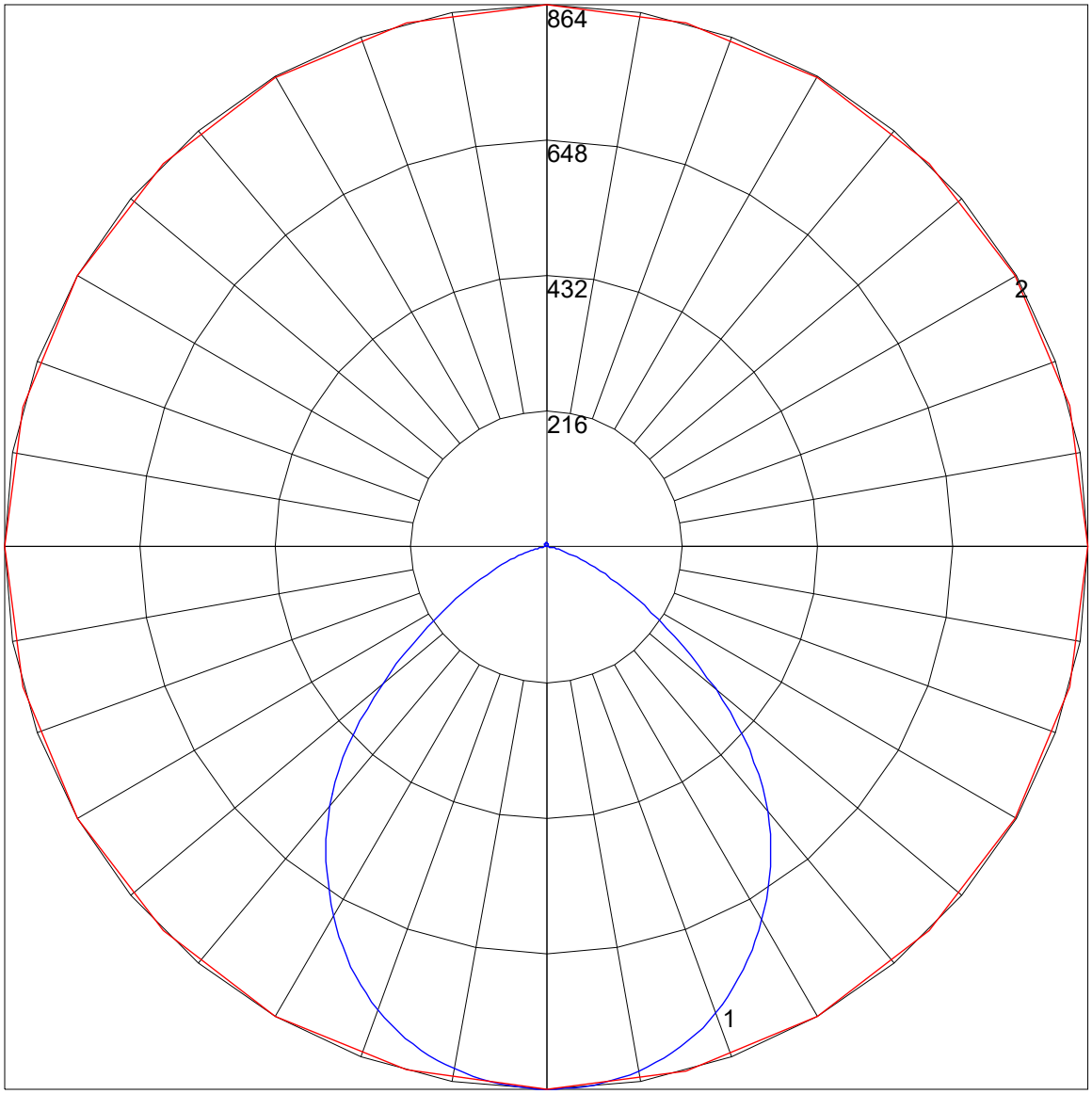
POLAR GRAPH



Maximum Candela = 864.47 Located At Horizontal Angle = 345, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (345 - 165) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)

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