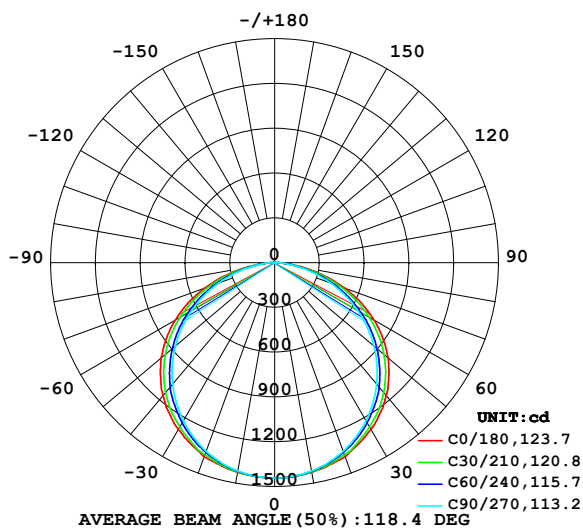


LUMINAIRE PHOTOMETRIC TEST REPORT

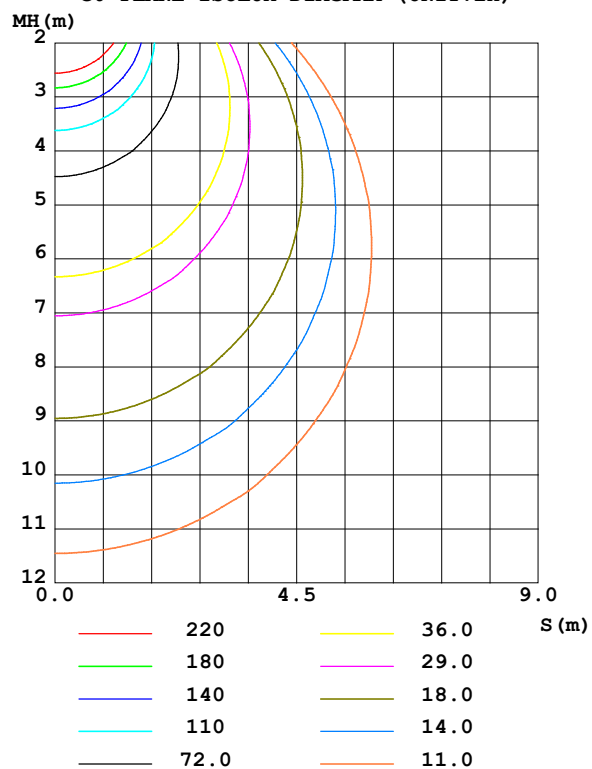
Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.56 lm/W			
MODEL		I _{max} (cd)	1443	S/MH(C0/180)	1.33
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4387.1	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	4387.07	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.9
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120.04	η down (%)	99.8	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

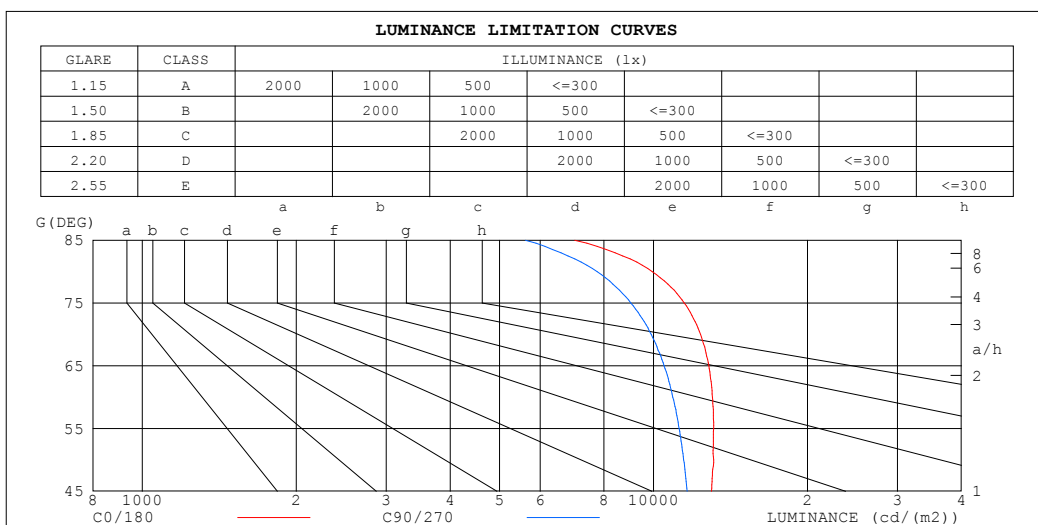
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1426	1422	1418	1422	1426	1422	1418	1422	0- 10	136.7	136.7	3.12,3.12
20	1382	1359	1344	1359	1382	1359	1344	1359	10- 20	394.3	531.1	12.1,12.1
30	1290	1257	1223	1257	1290	1257	1223	1257	20- 30	605.7	1137	25.9,25.9
40	1163	1110	1063	1110	1163	1110	1063	1110	30- 40	744.1	1881	42.9,42.9
50	993.2	924.7	867.5	924.7	993.2	924.7	867.5	924.7	40- 50	789.8	2671	60.9,60.9
60	768.1	698.7	642.6	698.7	768.1	698.7	642.6	698.7	50- 60	731.3	3402	77.5,77.5
70	497.7	441.9	398.6	441.9	497.7	441.9	398.6	441.9	60- 70	569.7	3972	90.5,90.5
80	203.4	177.6	158.8	177.6	203.4	177.6	158.8	177.6	70- 80	327.6	4299	98,98
90	1.548	2.259	2.577	2.259	1.548	2.259	2.577	2.259	80- 90	79.38	4379	99.8,99.8
100	0.3782	0.6782	0.7624	0.6782	0.3782	0.6782	0.7624	0.6782	90-100	0.5855	4379	99.8,99.8
110	0.5569	0.9188	0.9479	0.9188	0.5569	0.9188	0.9479	0.9188	100-110	0.7894	4380	99.8,99.8
120	0.7084	1.101	1.150	1.101	0.7084	1.101	1.150	1.101	110-120	0.9375	4381	99.9,99.9
130	1.049	1.385	1.486	1.385	1.049	1.385	1.486	1.385	120-130	1.040	4382	99.9,99.9
140	1.638	1.996	2.157	1.996	1.638	1.996	2.157	1.996	130-140	1.258	4383	99.9,99.9
150	2.297	2.651	2.926	2.651	2.297	2.651	2.926	2.651	140-150	1.439	4385	99.9,99.9
160	2.593	2.823	3.190	2.823	2.593	2.823	3.190	2.823	150-160	1.285	4386	100,100
170	2.690	2.802	3.030	2.802	2.690	2.802	3.030	2.802	160-170	0.8096	4387	100,100
180	2.723	2.839	3.046	2.839	2.723	2.839	3.046	2.839	170-180	0.2703	4387	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700:

LUMINANCE LIMITATION CURVES

Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7016	5615
80	9940	7760
75	11485	9026
70	12353	9893
65	12823	10492
60	13039	10909
55	13116	11223
50	13116	11455
45	12985	11637

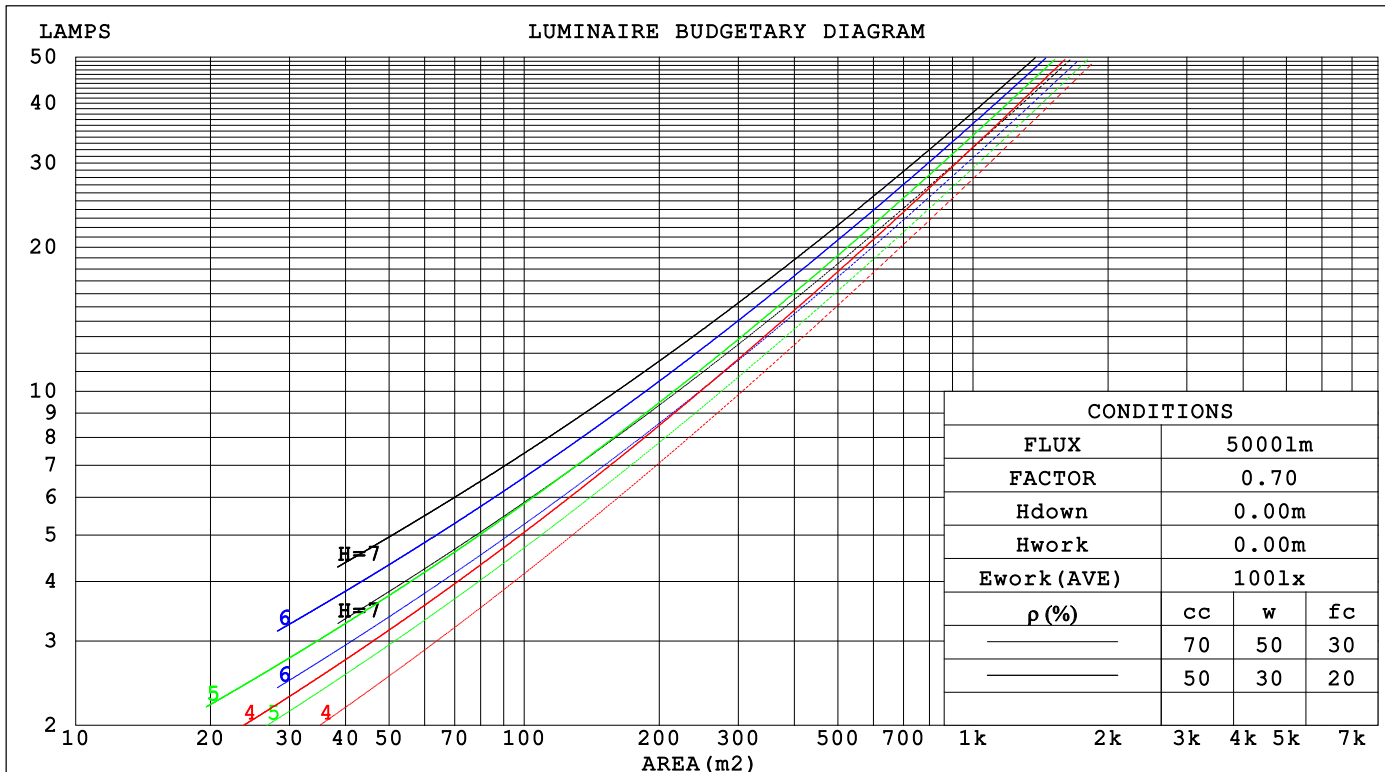
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.2°C
Operators: Alan Wang
Test Date: 2026-02-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 48.4%
Test Distance: 1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.66	.61	.69	.64	.60	.57
4.0	.69	.61	.54	.68	.60	.53	.66	.58	.52	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.39	.37
7.0	.50	.41	.35	.50	.41	.35	.48	.40	.35	.46	.40	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

WEC AND CCEC

Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.314	.179	.057	.307	.175	.056	.294	.169	.054	.281	.162	.052	.270	.157	.050		
2.0	.296	.162	.050	.290	.160	.049	.278	.155	.048	.267	.150	.047	.257	.145	.046		
3.0	.274	.146	.044	.268	.144	.043	.258	.140	.042	.248	.136	.042	.239	.132	.041		
4.0	.253	.131	.039	.248	.130	.038	.238	.126	.038	.230	.123	.037	.222	.120	.037		
5.0	.233	.119	.034	.229	.118	.034	.221	.115	.034	.213	.112	.033	.206	.110	.033		
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.198	.103	.030	.192	.101	.030		
7.0	.201	.099	.028	.198	.098	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027		
8.0	.188	.092	.026	.184	.091	.026	.179	.089	.025	.173	.088	.025	.168	.086	.025		
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.023	.163	.082	.023	.158	.080	.023		
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021		
1.0	.182	.158	.135	.156	.135	.117	.107	.093	.081	.061	.054	.047	.020	.017	.015		
2.0	.174	.133	.099	.149	.115	.086	.102	.079	.060	.059	.046	.035	.019	.015	.011		
3.0	.167	.116	.075	.143	.100	.065	.098	.069	.046	.057	.041	.027	.018	.013	.009		
4.0	.159	.103	.059	.137	.089	.052	.094	.062	.036	.054	.036	.021	.017	.012	.007		
5.0	.152	.092	.048	.130	.080	.042	.090	.056	.030	.052	.033	.018	.017	.011	.006		
6.0	.145	.084	.040	.124	.073	.035	.086	.051	.025	.050	.030	.015	.016	.010	.005		
7.0	.138	.077	.034	.118	.067	.030	.082	.047	.021	.048	.028	.013	.015	.009	.004		
8.0	.131	.071	.030	.113	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004		
9.0	.125	.066	.027	.108	.058	.023	.075	.040	.016	.044	.024	.010	.014	.008	.003		
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.014	.007	.003		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

UGR(Unified Glare Rating) Table

Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm										
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ETi Solid State lighting, Inc.					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	22.0	23.6	22.3	23.8	24.0	21.2	22.8	21.5	23.0	23.2
3H	23.7	25.2	24.0	25.4	25.6	22.7	24.1	23.0	24.4	24.6
4H	24.4	25.8	24.7	26.0	26.3	23.3	24.7	23.6	24.9	25.2
6H	24.9	26.1	25.2	26.4	26.7	23.7	25.0	24.0	25.2	25.5
8H	25.0	26.2	25.3	26.5	26.8	23.8	25.0	24.1	25.3	25.6
12H	25.0	26.2	25.4	26.5	26.8	23.8	25.0	24.2	25.3	25.6
4H 2H	22.6	23.9	22.9	24.2	24.4	22.0	23.3	22.3	23.6	23.8
3H	24.5	25.6	24.8	25.9	26.3	23.6	24.8	24.0	25.1	25.4
4H	25.3	26.3	25.6	26.7	27.0	24.3	25.4	24.7	25.7	26.1
6H	25.8	26.8	26.2	27.2	27.5	24.8	25.8	25.2	26.1	26.5
8H	26.0	26.9	26.4	27.3	27.7	24.9	25.8	25.4	26.2	26.6
12H	26.1	26.9	26.5	27.3	27.7	25.0	25.8	25.4	26.2	26.6
8H 4H	25.5	26.4	25.9	26.7	27.1	24.6	25.5	25.0	25.9	26.3
6H	26.2	26.9	26.6	27.4	27.8	25.3	26.0	25.7	26.4	26.8
8H	26.4	27.1	26.9	27.5	28.0	25.5	26.1	25.9	26.6	27.0
12H	26.6	27.2	27.1	27.6	28.1	25.6	26.2	26.1	26.6	27.1
12H 4H	25.5	26.3	25.9	26.7	27.1	24.6	25.5	25.1	25.9	26.3
6H	26.2	26.9	26.7	27.3	27.8	25.3	26.0	25.8	26.4	26.9
8H	26.5	27.1	27.0	27.5	28.0	25.6	26.1	26.1	26.6	27.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 4387 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.1)
Area: 0.11781 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

UTILIZATION FACTORS TABLE

Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

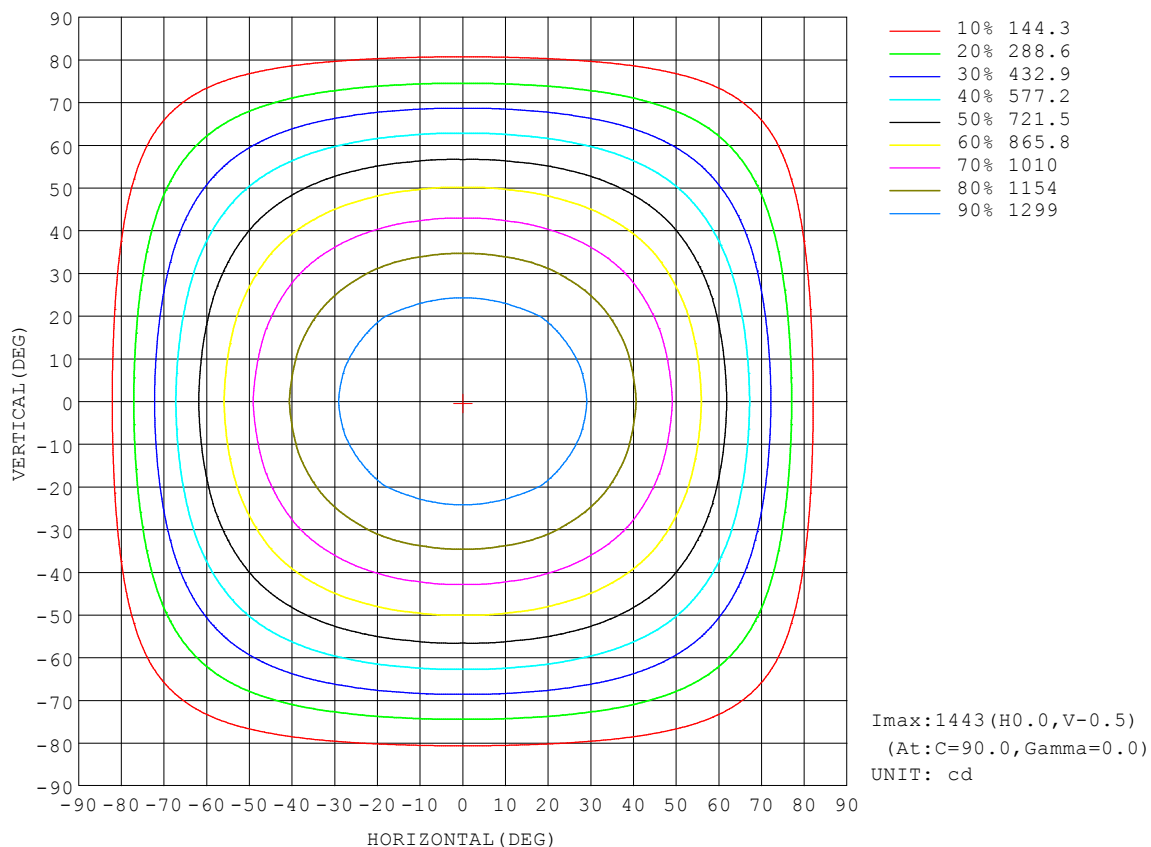
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	56	44	38	55	44	37	31
0.80	67	55	47	66	54	47	64	53	47	40
1.00	75	64	56	74	63	56	72	65	55	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	83	75	68	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	102	98	101	98	95	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

ISOCANDELA DIAGRAM

Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

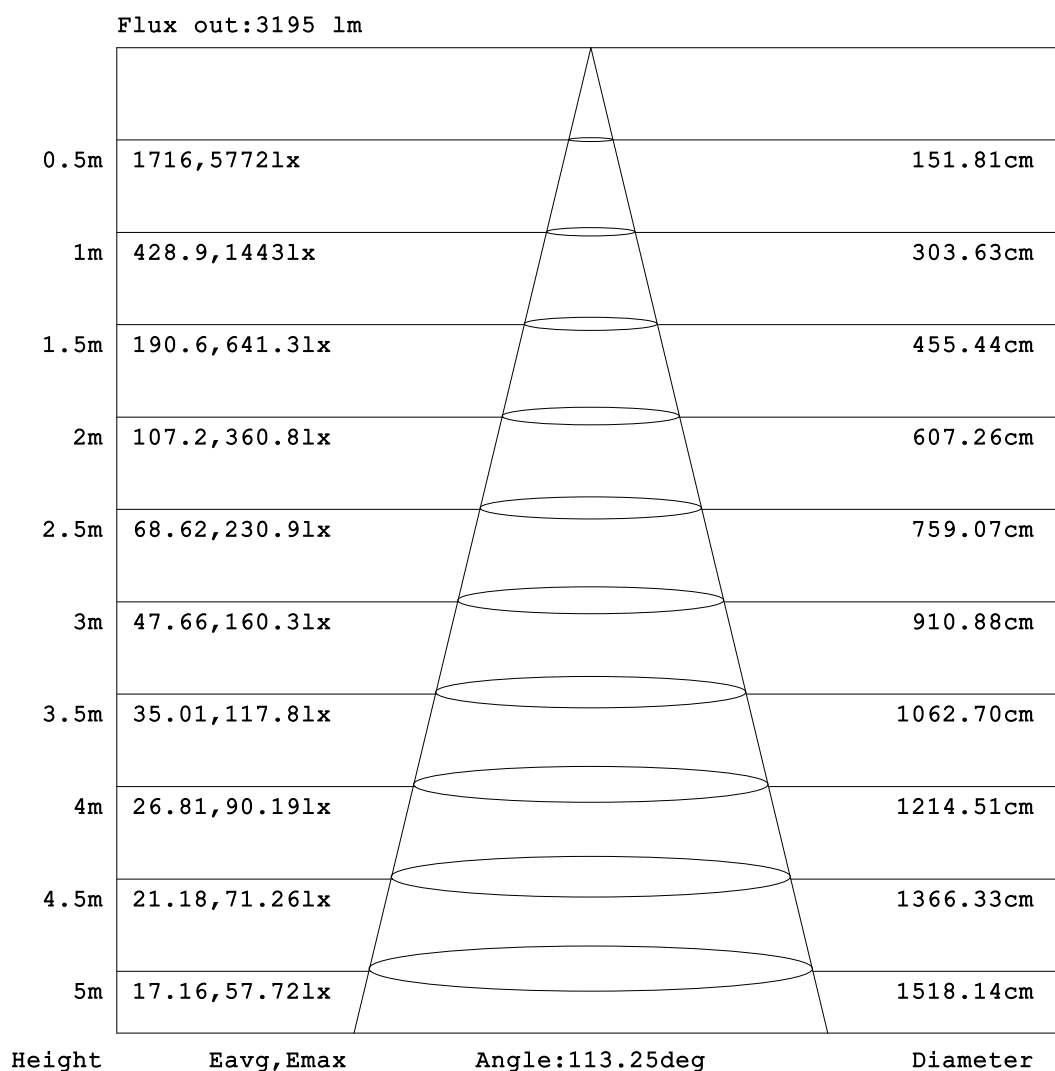


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

AAI Figure

Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



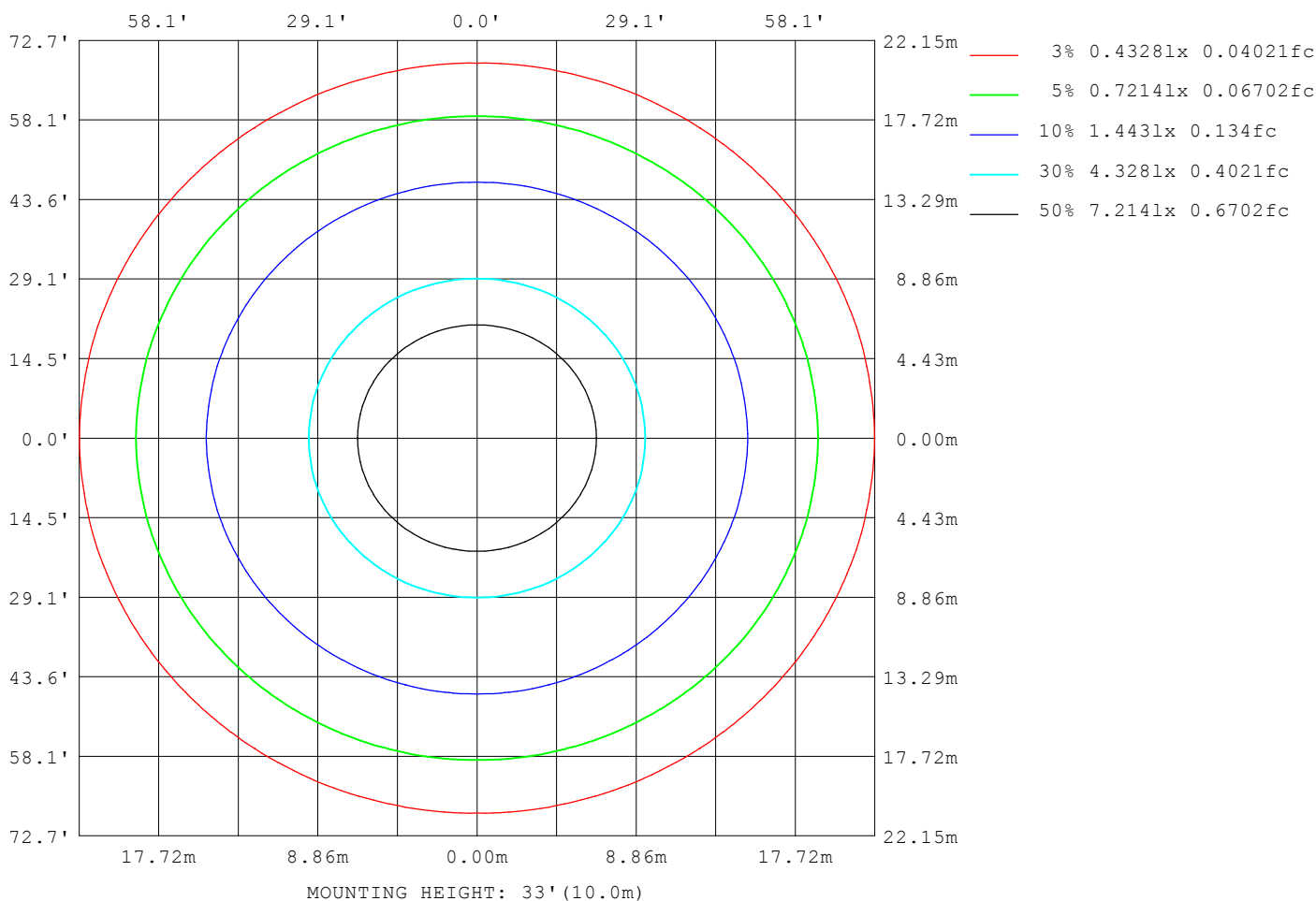
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

ISOLUX DIAGRAM

Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

LED Avg.L Report

Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

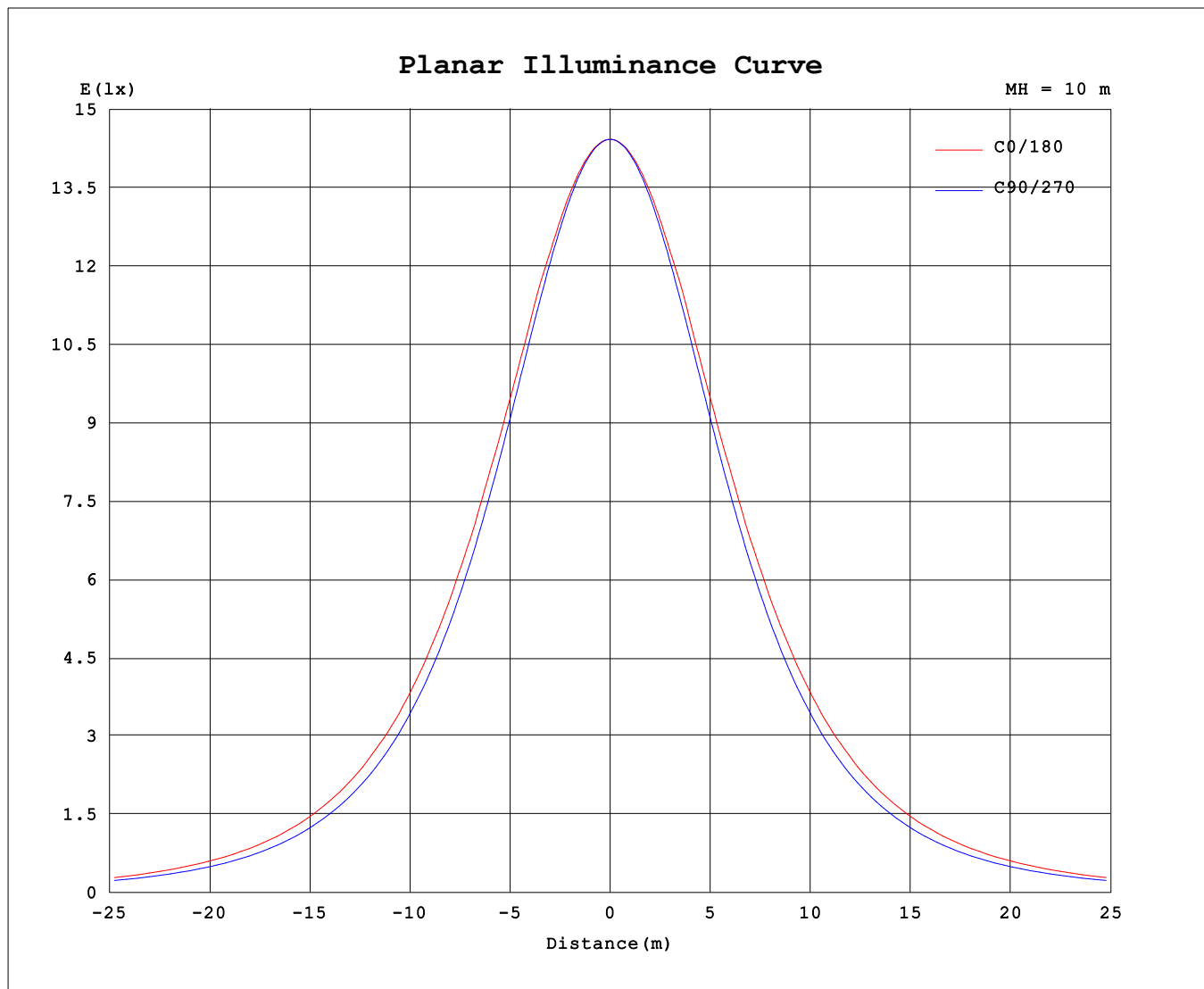
AvgL	cd/m2
L_0~180 (65) av	12823
L_0~180 (75) av	11485
L_0~180 (85) av	7016
L_90~270 (65) av	10492
L_90~270 (75) av	9026
L_90~270 (85) av	5615
L_45 (65) av	11515
L_45 (75) av	10072
L_45 (85) av	6271

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 25.2°C
 Operators: Alan Wang
 Test Date: 2026-02-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity: 48.4%
 Test Distance: 1.900m [K=1.0851]
 Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1443	1442	1442	1443	1443	1443	1443	1443	1443	1443	1442	1442	1443	1442	1442	1443	1443	1443	1443
5	1439	1438	1438	1437	1437	1437	1437	1437	1437	1437	1438	1438	1439	1438	1438	1437	1437	1437	1437
10	1426	1425	1424	1422	1420	1418	1418	1418	1420	1422	1424	1425	1426	1425	1424	1422	1420	1418	1418
15	1406	1404	1401	1396	1391	1388	1387	1388	1391	1396	1401	1404	1406	1404	1401	1396	1391	1388	1387
20	1382	1378	1370	1359	1351	1346	1344	1346	1351	1359	1370	1378	1382	1378	1370	1359	1351	1346	1344
25	1337	1333	1325	1315	1301	1292	1289	1292	1301	1315	1325	1333	1337	1333	1325	1315	1301	1292	1289
30	1290	1284	1271	1257	1239	1228	1223	1228	1239	1257	1271	1284	1290	1284	1271	1257	1239	1228	1223
35	1231	1225	1211	1187	1168	1153	1148	1153	1168	1187	1211	1225	1231	1225	1211	1187	1168	1153	1148
40	1163	1155	1136	1110	1090	1069	1063	1069	1090	1110	1136	1155	1163	1155	1136	1110	1090	1069	1063
45	1082	1073	1052	1022	995	976	969	976	995	1022	1052	1073	1082	1073	1052	1022	995	976	969
50	993	983	955	925	894	874	867	874	894	925	955	983	993	983	955	925	894	874	867
55	886	875	850	816	786	766	758	766	786	816	850	875	886	875	850	816	786	766	758
60	768	758	731	699	669	650	643	650	669	699	731	758	768	758	731	699	669	650	643
65	638	629	604	573	547	529	522	529	547	573	604	629	638	629	604	573	547	529	522
70	498	489	467	442	419	404	399	404	419	442	467	489	498	489	467	442	419	404	399
75	350	344	327	307	290	279	275	279	290	307	327	344	350	344	327	307	290	279	275
80	203	199	189	178	168	161	159	161	168	178	189	199	203	199	189	178	168	161	159
85	72.0	71.0	68.0	64.4	60.9	58.3	57.6	58.3	60.9	64.4	68.0	71.0	72.0	71.0	68.0	64.4	60.9	58.3	57.6
90	1.55	2.37	1.85	2.26	2.27	2.35	2.58	2.35	2.27	2.26	1.85	2.37	1.55	2.37	1.85	2.26	2.27	2.35	2.58
95	0.21	0.25	0.42	0.51	0.54	0.56	0.58	0.56	0.54	0.51	0.42	0.25	0.21	0.25	0.42	0.51	0.54	0.56	0.58
100	0.38	0.46	0.63	0.68	0.72	0.73	0.76	0.73	0.72	0.68	0.63	0.46	0.38	0.46	0.63	0.68	0.72	0.73	0.76
105	0.48	0.57	0.76	0.82	0.83	0.83	0.86	0.83	0.83	0.82	0.76	0.57	0.48	0.57	0.76	0.82	0.83	0.83	0.86
110	0.56	0.67	0.87	0.92	0.95	0.96	0.95	0.96	0.95	0.92	0.87	0.67	0.56	0.67	0.87	0.92	0.95	0.96	0.95
115	0.61	0.76	0.96	1.02	1.05	1.07	1.07	1.07	1.05	1.02	0.96	0.76	0.61	0.76	0.96	1.02	1.05	1.07	1.07
120	0.71	0.84	1.02	1.10	1.14	1.16	1.15	1.16	1.14	1.10	1.02	0.84	0.71	0.84	1.02	1.10	1.14	1.16	1.15
125	0.84	1.00	1.12	1.18	1.25	1.28	1.25	1.28	1.25	1.18	1.12	1.00	0.84	1.00	1.12	1.18	1.25	1.28	1.25
130	1.05	1.21	1.34	1.38	1.46	1.51	1.49	1.51	1.46	1.38	1.34	1.21	1.05	1.21	1.34	1.38	1.46	1.51	1.49
135	1.30	1.43	1.59	1.64	1.70	1.78	1.77	1.78	1.70	1.64	1.59	1.43	1.30	1.43	1.59	1.64	1.70	1.78	1.77
140	1.64	1.73	1.92	2.00	2.05	2.13	2.16	2.13	2.05	2.00	1.92	1.73	1.64	1.73	1.92	2.00	2.05	2.13	2.16
145	2.00	2.06	2.23	2.37	2.49	2.54	2.58	2.54	2.49	2.37	2.23	2.06	2.00	2.06	2.23	2.37	2.49	2.54	2.58
150	2.30	2.33	2.48	2.65	2.78	2.86	2.93	2.86	2.78	2.65	2.48	2.33	2.30	2.33	2.48	2.65	2.78	2.86	2.93
155	2.50	2.52	2.63	2.81	2.96	3.06	3.15	3.06	2.96	2.81	2.63	2.52	2.50	2.52	2.63	2.81	2.96	3.06	3.15
160	2.59	2.62	2.70	2.82	3.00	3.13	3.19	3.13	3.00	2.82	2.70	2.62	2.59	2.62	2.70	2.82	3.00	3.13	3.19
165	2.64	2.66	2.71	2.80	2.96	3.09	3.12	3.09	2.96	2.80	2.71	2.66	2.64	2.66	2.71	2.80	2.96	3.09	3.12
170	2.69	2.71	2.74	2.80	2.91	3.01	3.03	3.01	2.91	2.80	2.74	2.71	2.69	2.71	2.74	2.80	2.91	3.01	3.03
175	2.69	2.72	2.75	2.80	2.88	2.95	2.96	2.95	2.88	2.80	2.75	2.72	2.69	2.72	2.75	2.80	2.88	2.95	2.96
180	2.72	2.75	2.79	2.84	2.90	2.99	3.05	2.99	2.90	2.84	2.79	2.75	2.72	2.75	2.79	2.84	2.90	2.99	3.05

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.07V I:0.3241A P:38.633W PF:0.9926 Freq:60.01Hz Lamp Flux:4387.07x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	1443	1443	1443	1442	1442													
5	1437	1437	1437	1438	1438													
10	1418	1420	1422	1424	1425													
15	1388	1391	1396	1401	1404													
20	1346	1351	1359	1370	1378													
25	1292	1301	1315	1325	1333													
30	1228	1239	1257	1271	1284													
35	1153	1168	1187	1211	1225													
40	1069	1090	1110	1136	1155													
45	976	995	1022	1052	1073													
50	874	894	925	955	983													
55	766	786	816	850	875													
60	650	669	699	731	758													
65	529	547	573	604	629													
70	404	419	442	467	489													
75	279	290	307	327	344													
80	161	168	178	189	199													
85	58.3	60.9	64.4	68.0	71.0													
90	2.35	2.27	2.26	1.85	2.37													
95	0.56	0.54	0.51	0.42	0.25													
100	0.73	0.72	0.68	0.63	0.46													
105	0.83	0.83	0.82	0.76	0.57													
110	0.96	0.95	0.92	0.87	0.67													
115	1.07	1.05	1.02	0.96	0.76													
120	1.16	1.14	1.10	1.02	0.84													
125	1.28	1.25	1.18	1.12	1.00													
130	1.51	1.46	1.38	1.34	1.21													
135	1.78	1.70	1.64	1.59	1.43													
140	2.13	2.05	2.00	1.92	1.73													
145	2.54	2.49	2.37	2.23	2.06													
150	2.86	2.78	2.65	2.48	2.33													
155	3.06	2.96	2.81	2.63	2.52													
160	3.13	3.00	2.82	2.70	2.62													
165	3.09	2.96	2.80	2.71	2.66													
170	3.01	2.91	2.80	2.74	2.71													
175	2.95	2.88	2.80	2.75	2.72													
180	2.99	2.90	2.84	2.79	2.75													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700: