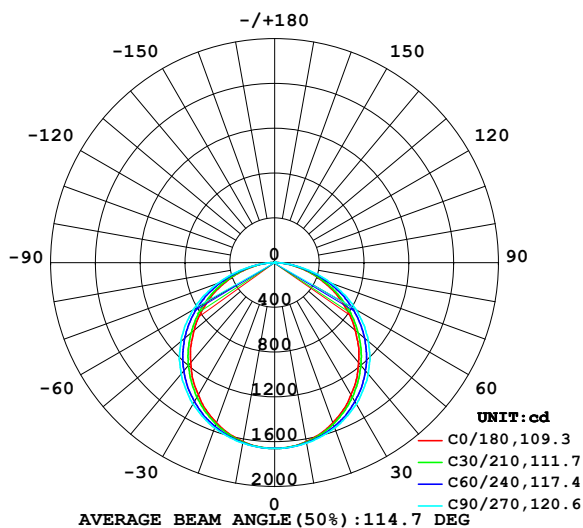


LUMINAIRE PHOTOMETRIC TEST REPORT

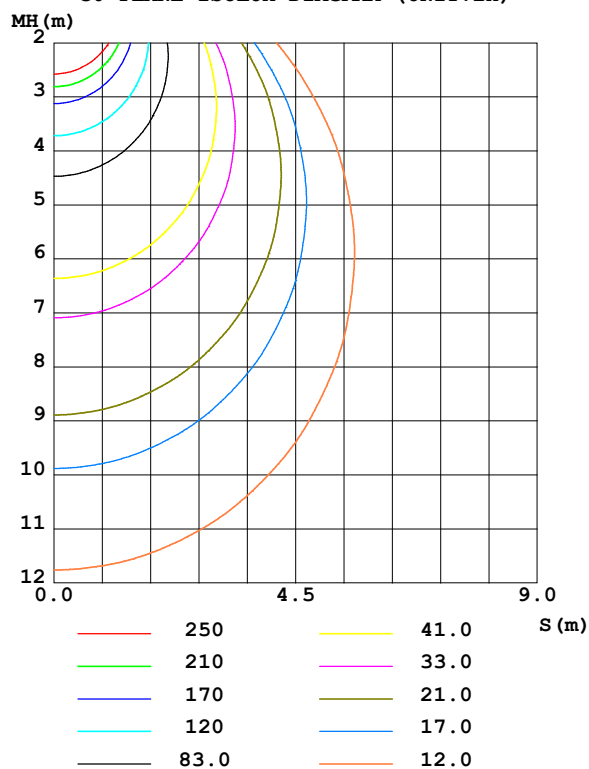
Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 123.63 lm/W
MODEL		I _{max} (cd)	1660	S/MH(C0/180)	1.23	
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.31	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4863.1	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	4863.09	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.9	
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	119.979	η down (%)	99.8	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 49.3%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

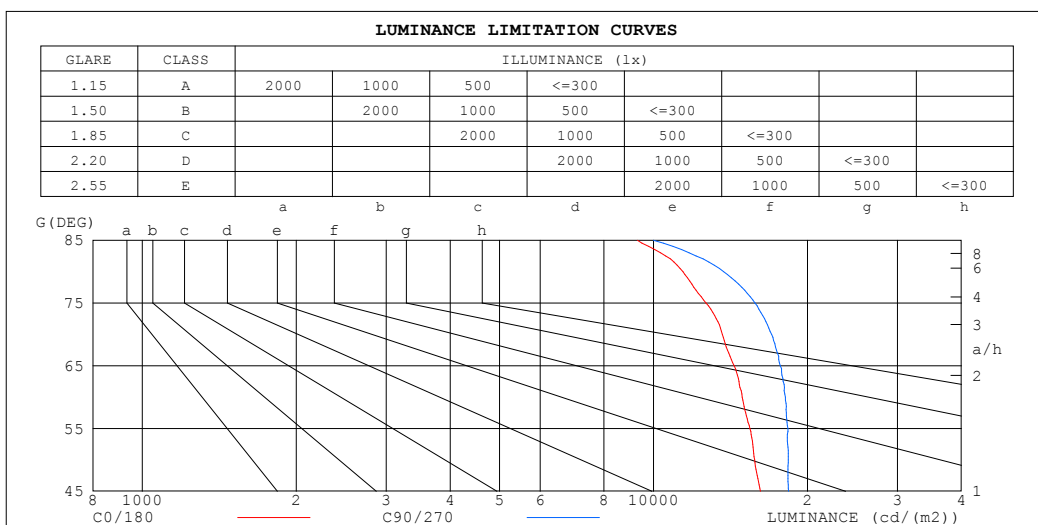
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1624	1631	1637	1631	1624	1631	1637	1631	0- 10	157.1	157.1	3.23,3.23
20	1522	1546	1570	1546	1522	1546	1570	1546	10- 20	450.2	607.3	12.5,12.5
30	1365	1412	1460	1412	1365	1412	1460	1412	20- 30	684.6	1292	26.6,26.6
40	1167	1229	1300	1229	1167	1229	1300	1229	30- 40	830.1	2122	43.6,43.6
50	939.4	1011	1094	1011	939.4	1011	1094	1011	40- 50	869.3	2991	61.5,61.5
60	691.1	756.3	839.5	756.3	691.1	756.3	839.5	756.3	50- 60	795.9	3787	77.9,77.9
70	432.5	477.5	540.0	477.5	432.5	477.5	540.0	477.5	60- 70	616.2	4403	90.5,90.5
80	183.7	199.2	220.7	199.2	183.7	199.2	220.7	199.2	70- 80	357.7	4761	97.9,97.9
90	12.31	6.374	2.784	6.374	12.31	6.374	2.784	6.374	80- 90	93.80	4855	99.8,99.8
100	0.3941	0.3756	0.3660	0.3756	0.3941	0.3756	0.3660	0.3756	90-100	1.100	4856	99.9,99.9
110	0.5995	0.5863	0.5547	0.5863	0.5995	0.5863	0.5547	0.5863	100-110	0.5156	4856	99.9,99.9
120	0.8530	0.8111	0.7583	0.8111	0.8530	0.8111	0.7583	0.8111	110-120	0.6905	4857	99.9,99.9
130	1.294	1.172	1.150	1.172	1.294	1.172	1.150	1.172	120-130	0.8693	4858	99.9,99.9
140	2.026	1.876	1.809	1.876	2.026	1.876	1.809	1.876	130-140	1.169	4859	99.9,99.9
150	2.919	2.660	2.556	2.660	2.919	2.660	2.556	2.660	140-150	1.436	4861	99.9,99.9
160	3.270	2.977	2.870	2.977	3.270	2.977	2.870	2.977	150-160	1.343	4862	100,100
170	3.227	3.018	2.908	3.018	3.227	3.018	2.908	3.018	160-170	0.8591	4863	100,100
180	3.345	3.083	2.967	3.083	3.345	3.083	2.967	3.083	170-180	0.2925	4863	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

LUMINANCE LIMITATION CURVES

Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	9305	9994
80	11411	13709
75	12668	15790
70	13638	17030
65	14372	17701
60	14908	18109
55	15429	18312
50	15761	18360
45	16183	18367

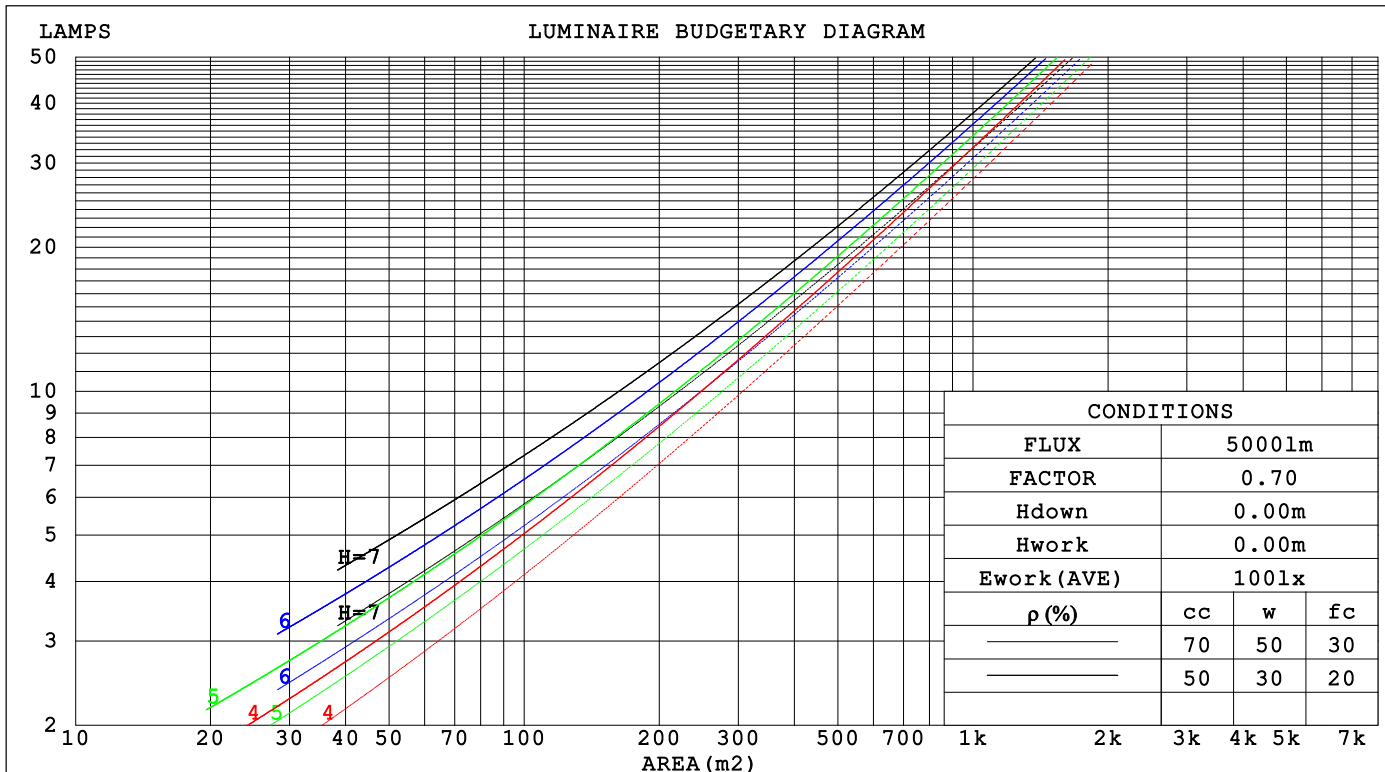
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 49.3%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	.85	.79	.75	.81	.77	.73	.78	.74	.71	.69														
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58														
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49														
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42														
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37														
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33														
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29														
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.28	.38	.32	.28	.26														
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24														



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

WEC AND CCEC

Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	.313	.178	.056	.306	.175	.056	.293	.168	.054	.281	.162	.052	.269	.156	.050		
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046		
3.0	.273	.145	.043	.267	.143	.043	.257	.139	.042	.247	.135	.041	.238	.132	.041		
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036		
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.212	.112	.033	.205	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.191	.100	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021		

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	.157	.135	.156	.135	.117	.106	.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	.166	.116	.075	.143	.100	.065	.098	.069	.046	.057	.040	.027	.018	.013	.009		
4.0	.159	.102	.059	.136	.088	.052	.094	.062	.036	.054	.036	.021	.017	.012	.007		
5.0	.151	.092	.048	.130	.080	.042	.089	.056	.030	.052	.033	.018	.017	.011	.006		
6.0	.144	.084	.040	.124	.072	.035	.085	.051	.025	.050	.030	.015	.016	.010	.005		
7.0	.137	.077	.034	.118	.067	.030	.082	.047	.021	.047	.027	.013	.015	.009	.004		
8.0	.131	.071	.030	.113	.062	.026	.078	.043	.018	.045	.025	.011	.015	.008	.004		
9.0	.125	.066	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003		
10.0	.119	.062	.024	.102	.054	.021	.071	.038	.015	.041	.022	.009	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

UGR(Unified Glare Rating) Table

Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm										
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	22.3	23.8	22.5	24.0	24.2	23.1	24.7	23.4	24.9	25.1
3H	23.8	25.2	24.1	25.4	25.6	24.8	26.2	25.1	26.5	26.7
4H	24.3	25.7	24.7	25.9	26.2	25.5	26.8	25.8	27.1	27.3
6H	24.8	26.0	25.1	26.3	26.6	25.9	27.2	26.3	27.5	27.8
8H	24.9	26.1	25.2	26.4	26.7	26.0	27.3	26.4	27.6	27.9
12H	25.0	26.1	25.3	26.4	26.8	26.1	27.3	26.5	27.6	27.9
4H 2H	23.0	24.3	23.3	24.6	24.9	23.7	25.0	24.0	25.3	25.5
3H	24.6	25.8	25.0	26.1	26.4	25.5	26.7	25.9	27.0	27.3
4H	25.4	26.4	25.7	26.8	27.1	26.3	27.4	26.7	27.7	28.1
6H	25.9	26.9	26.3	27.2	27.6	26.9	27.9	27.3	28.2	28.6
8H	26.1	27.0	26.5	27.3	27.7	27.1	28.0	27.5	28.3	28.7
12H	26.2	27.0	26.6	27.4	27.8	27.2	28.0	27.6	28.4	28.8
8H 4H	25.7	26.6	26.1	27.0	27.3	26.5	27.4	26.9	27.8	28.2
6H	26.4	27.1	26.8	27.5	27.9	27.3	28.0	27.7	28.4	28.8
8H	26.6	27.3	27.1	27.7	28.2	27.5	28.2	28.0	28.6	29.1
12H	26.8	27.4	27.3	27.8	28.3	27.7	28.3	28.2	28.7	29.2
12H 4H	25.7	26.5	26.1	26.9	27.3	26.5	27.4	27.0	27.7	28.2
6H	26.4	27.1	26.9	27.5	28.0	27.3	28.0	27.8	28.4	28.8
8H	26.7	27.3	27.2	27.7	28.2	27.6	28.2	28.1	28.6	29.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 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, 4863 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.5)
Area: 0.09272 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

UTILIZATION FACTORS TABLE

Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

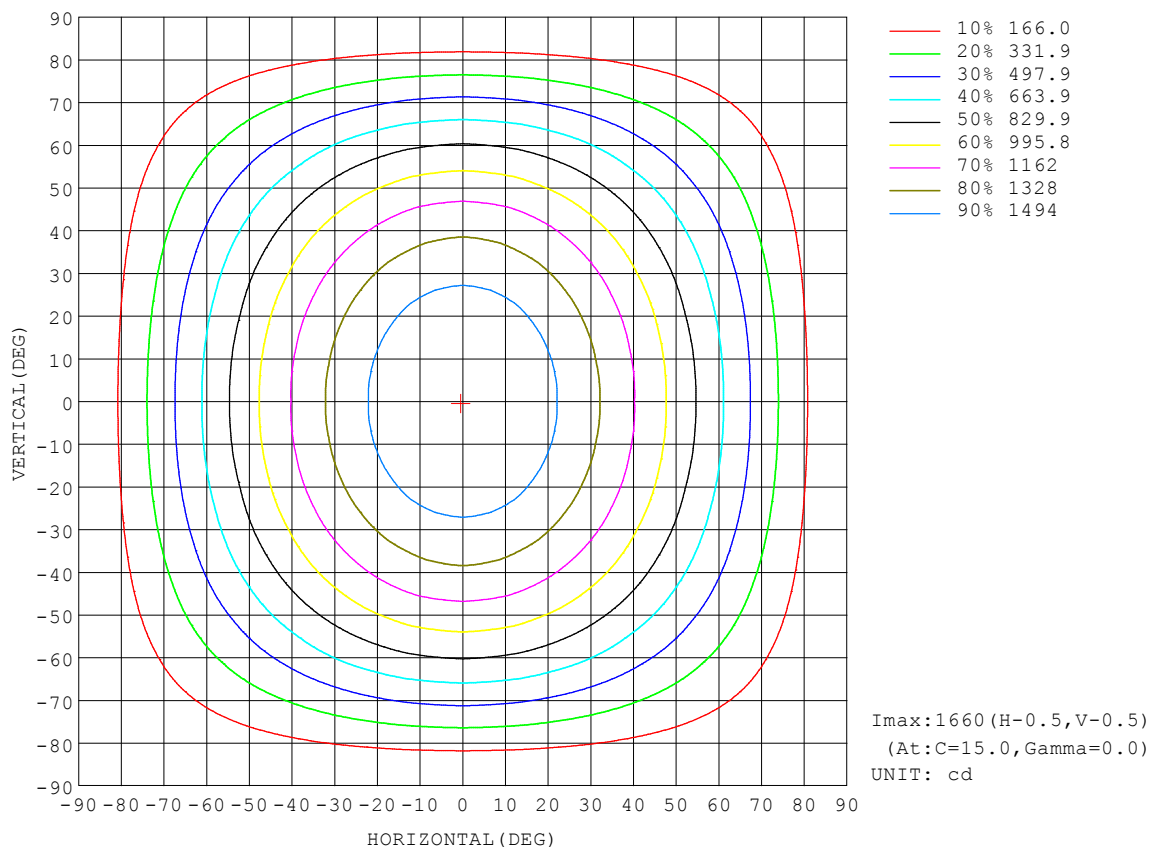
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	88	78	70	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	93	87	82	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	104	99	106	102	98	101	98	95	86
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: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 49.3%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

ISOCANDELA DIAGRAM

Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

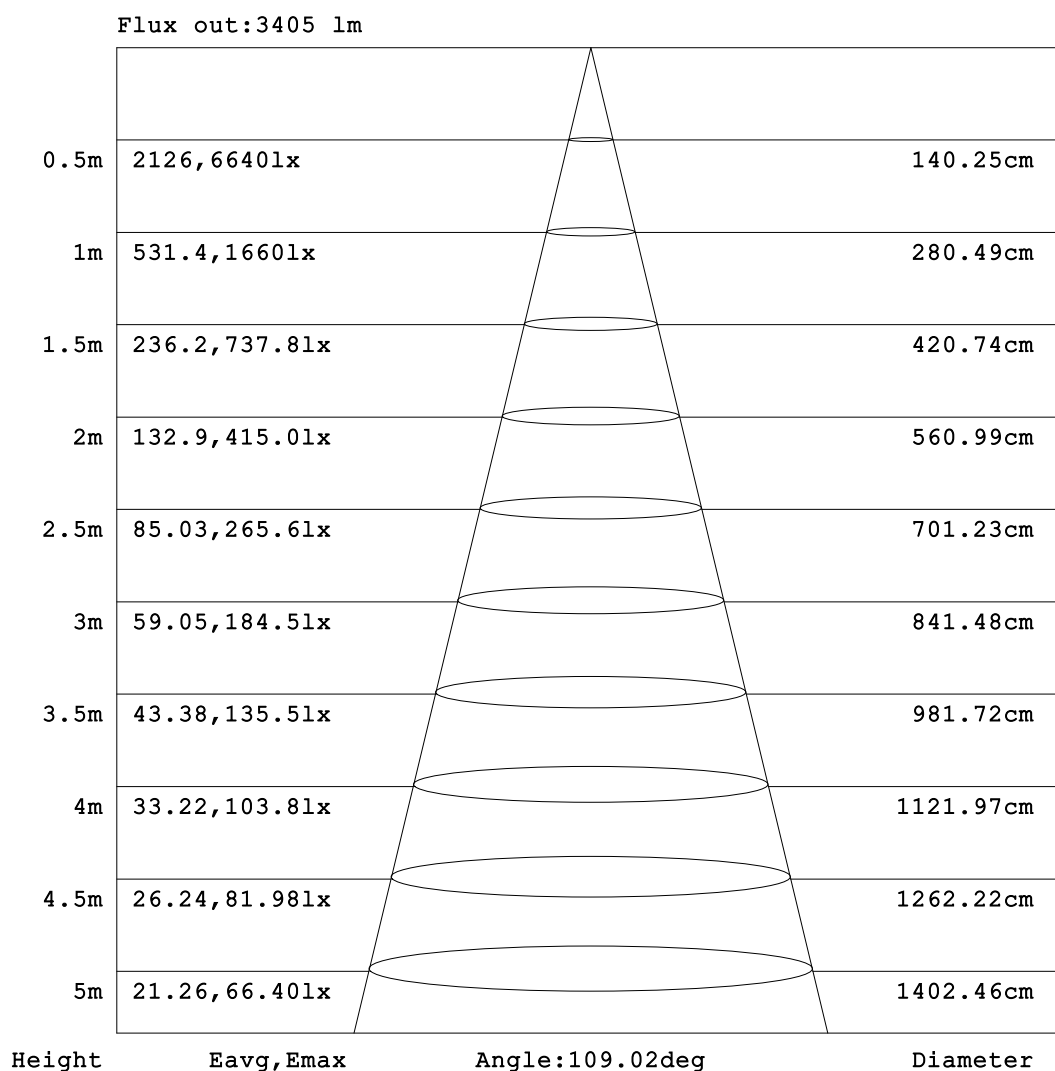


C Range: 0 - 360DEG
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Test Speed: MEDIUM
Temperature:26.1°C
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γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

AAI Figure

Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



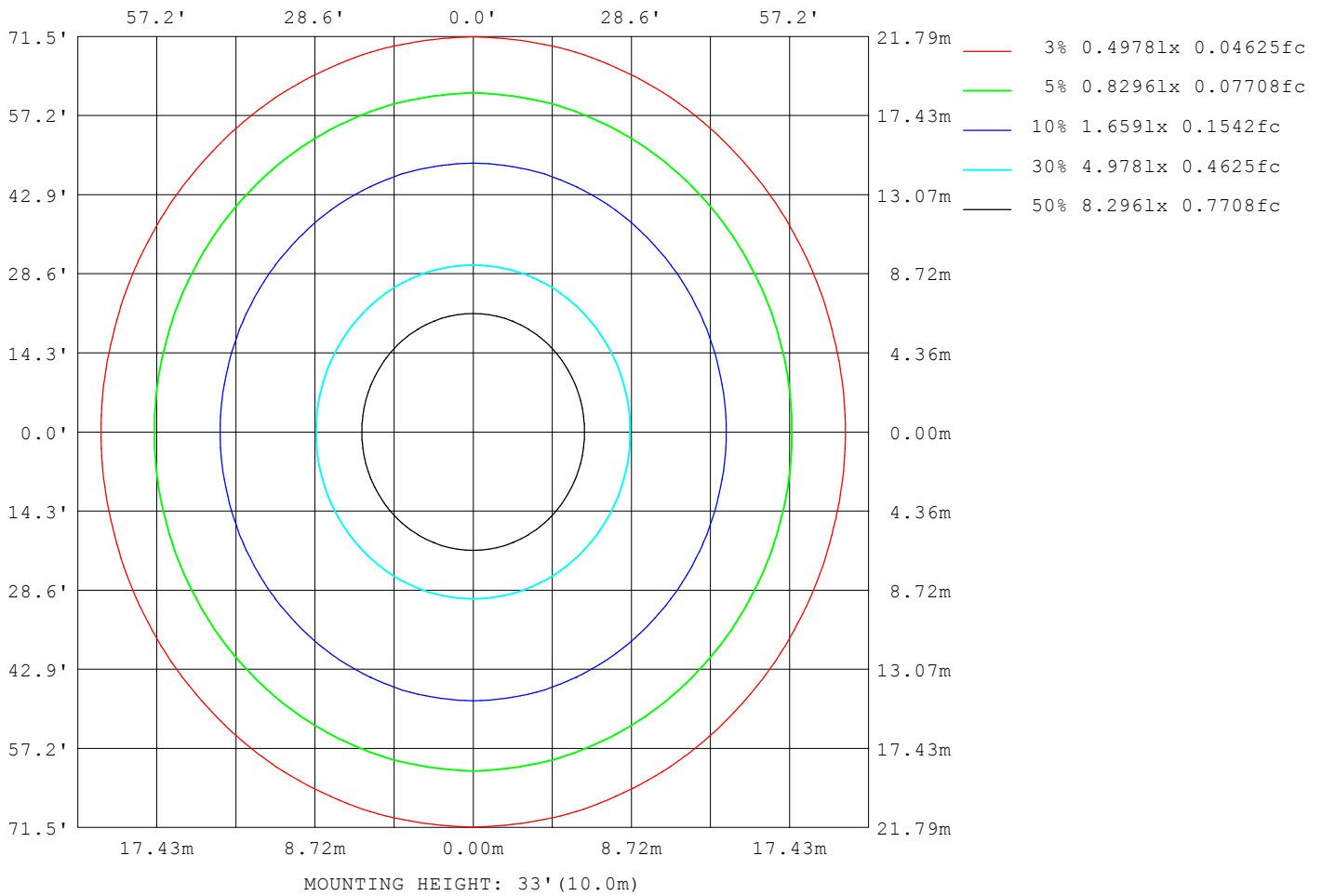
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

ISOLUX DIAGRAM

Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 49.3%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

LED Avg.L Report

Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

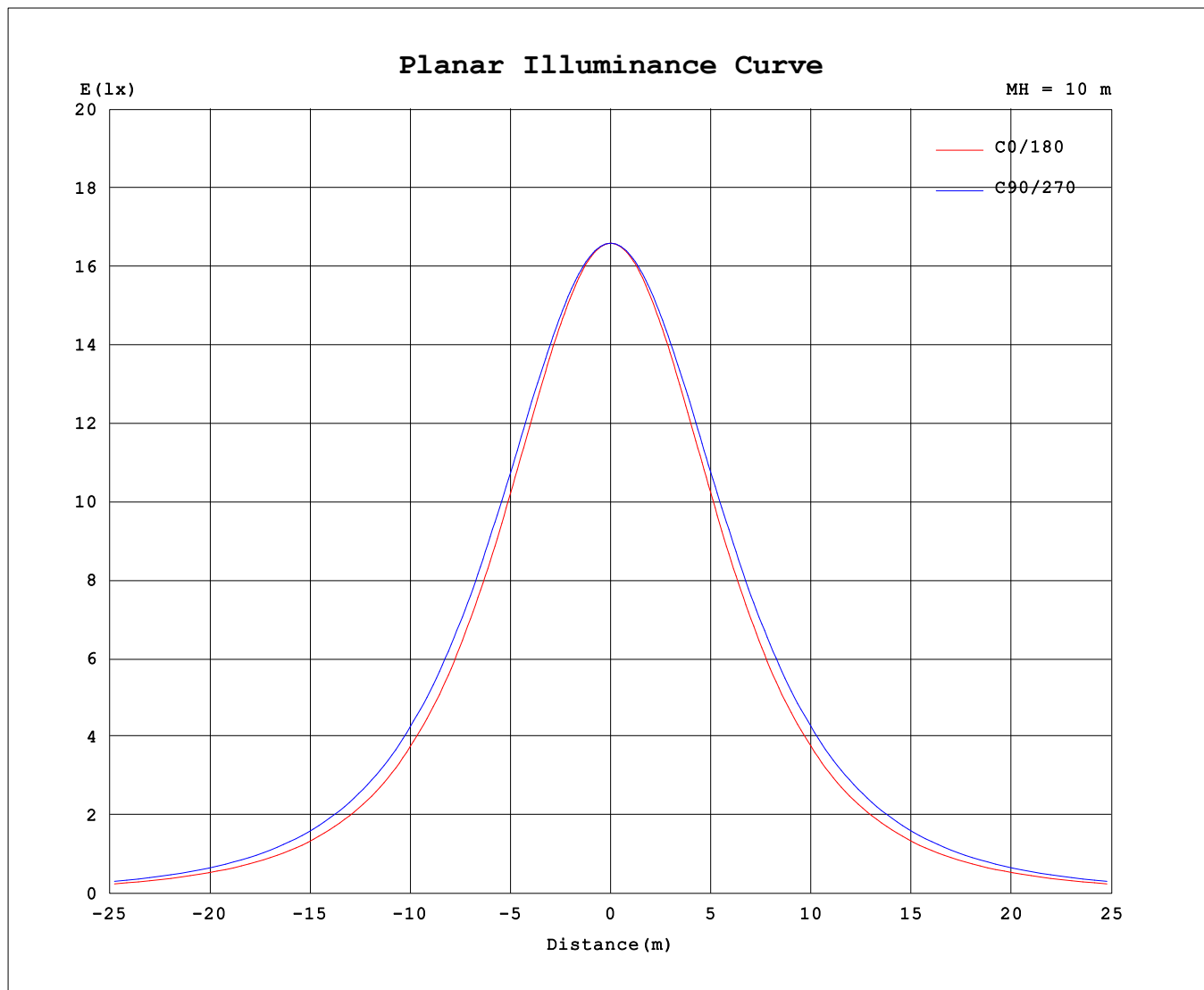
AvgL	cd/m2
L_0~180 (65) av	14372
L_0~180 (75) av	12668
L_0~180 (85) av	9305
L_90~270 (65) av	17701
L_90~270 (75) av	15790
L_90~270 (85) av	9994
L_45 (65) av	15785
L_45 (75) av	13983
L_45 (85) av	9663

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 49.3%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	1659	1660	1660	1660	1660	1660	1659	1660	1660	1660	1660	1660	1659	1660	1660	1660	1660	1660	1659
5	1651	1651	1652	1653	1653	1654	1654	1654	1653	1653	1652	1651	1651	1651	1652	1653	1653	1654	1654
10	1624	1626	1628	1631	1634	1636	1637	1636	1634	1631	1628	1626	1624	1626	1628	1631	1634	1636	1637
15	1582	1583	1588	1595	1602	1607	1609	1607	1602	1595	1588	1583	1582	1583	1588	1595	1602	1607	1609
20	1522	1527	1534	1546	1558	1567	1570	1567	1558	1546	1534	1527	1522	1527	1534	1546	1558	1567	1570
25	1453	1455	1468	1484	1504	1515	1519	1515	1504	1484	1468	1455	1453	1455	1468	1484	1504	1515	1519
30	1365	1373	1388	1412	1433	1453	1460	1453	1433	1412	1388	1373	1365	1373	1388	1412	1433	1453	1460
35	1275	1279	1298	1325	1356	1375	1383	1375	1356	1325	1298	1279	1275	1279	1298	1325	1356	1375	1383
40	1167	1177	1198	1229	1262	1290	1300	1290	1262	1229	1198	1177	1167	1177	1198	1229	1262	1290	1300
45	1061	1066	1091	1124	1162	1192	1204	1192	1162	1124	1091	1066	1061	1066	1091	1124	1162	1192	1204
50	939	950	973	1011	1050	1079	1094	1079	1050	1011	973	950	939	950	973	1011	1050	1079	1094
55	821	826	851	886	928	958	974	958	928	886	851	826	821	826	851	886	928	958	974
60	691	701	722	756	795	826	840	826	795	756	722	701	691	701	722	756	795	826	840
65	563	569	589	619	655	684	694	684	655	619	589	569	563	569	589	619	655	684	694
70	433	437	453	477	506	529	540	529	506	477	453	437	433	437	453	477	506	529	540
75	304	307	318	336	356	372	379	372	356	336	318	307	304	307	318	336	356	372	379
80	184	184	190	199	210	218	221	218	210	199	190	184	184	184	190	199	210	218	221
85	75.2	74.3	75.3	78.1	80.2	81.2	80.8	81.2	80.2	78.1	75.3	74.3	75.2	74.3	75.3	78.1	80.2	81.2	80.8
90	12.3	8.34	7.68	6.37	4.79	3.29	2.78	3.29	4.79	6.37	7.68	8.34	12.3	8.34	7.68	6.37	4.79	3.29	2.78
95	0.29	0.28	0.24	0.24	0.24	0.23	0.22	0.23	0.24	0.24	0.24	0.28	0.29	0.28	0.24	0.24	0.24	0.23	0.22
100	0.39	0.40	0.37	0.38	0.38	0.36	0.37	0.36	0.38	0.38	0.37	0.40	0.39	0.40	0.37	0.38	0.38	0.36	0.37
105	0.50	0.51	0.49	0.49	0.48	0.47	0.46	0.47	0.48	0.49	0.49	0.51	0.50	0.51	0.49	0.49	0.48	0.47	0.46
110	0.60	0.62	0.59	0.59	0.58	0.56	0.55	0.56	0.58	0.59	0.59	0.62	0.60	0.62	0.59	0.59	0.58	0.56	0.55
115	0.73	0.74	0.71	0.70	0.69	0.67	0.65	0.67	0.69	0.70	0.71	0.74	0.73	0.74	0.71	0.70	0.69	0.67	0.65
120	0.85	0.87	0.83	0.81	0.79	0.76	0.76	0.76	0.79	0.81	0.83	0.87	0.85	0.87	0.83	0.81	0.79	0.76	0.76
125	1.02	1.01	0.96	0.93	0.92	0.92	0.91	0.92	0.92	0.93	0.96	1.01	1.02	1.01	0.96	0.93	0.92	0.92	0.91
130	1.29	1.28	1.21	1.17	1.17	1.17	1.15	1.17	1.17	1.17	1.21	1.28	1.29	1.28	1.21	1.17	1.17	1.17	1.15
135	1.61	1.59	1.50	1.47	1.46	1.46	1.43	1.46	1.46	1.47	1.50	1.59	1.61	1.59	1.50	1.47	1.46	1.46	1.43
140	2.03	1.99	1.91	1.88	1.85	1.83	1.81	1.83	1.85	1.88	1.91	1.99	2.03	1.99	1.91	1.88	1.85	1.83	1.81
145	2.48	2.44	2.38	2.29	2.26	2.23	2.20	2.23	2.26	2.29	2.38	2.44	2.48	2.44	2.38	2.29	2.26	2.23	2.20
150	2.92	2.84	2.75	2.66	2.60	2.57	2.56	2.57	2.60	2.66	2.75	2.84	2.92	2.84	2.75	2.66	2.60	2.57	2.56
155	3.18	3.10	3.00	2.91	2.80	2.80	2.78	2.80	2.80	2.91	3.00	3.10	3.18	3.10	3.00	2.91	2.80	2.80	2.78
160	3.27	3.21	3.09	2.98	2.91	2.89	2.87	2.89	2.91	2.98	3.09	3.21	3.27	3.21	3.09	2.98	2.91	2.89	2.87
165	3.25	3.20	3.09	2.98	2.92	2.90	2.88	2.90	2.92	2.98	3.09	3.20	3.25	3.20	3.09	2.98	2.92	2.90	2.88
170	3.23	3.21	3.11	3.02	2.96	2.93	2.91	2.93	2.96	3.02	3.11	3.21	3.23	3.21	3.11	3.02	2.96	2.93	2.91
175	3.21	3.21	3.13	3.05	2.98	2.95	2.93	2.95	2.98	3.05	3.13	3.21	3.21	3.21	3.13	3.05	2.98	2.95	2.93
180	3.34	3.26	3.15	3.08	3.03	2.99	2.97	2.99	3.03	3.08	3.15	3.26	3.34	3.26	3.15	3.08	3.03	2.99	2.97

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_270

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.3303A P:39.336W PF:0.9926 Freq:60.01Hz Lamp Flux:4863.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_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	1660	1660	1660	1660	1660													
5	1654	1653	1653	1652	1651													
10	1636	1634	1631	1628	1626													
15	1607	1602	1595	1588	1583													
20	1567	1558	1546	1534	1527													
25	1515	1504	1484	1468	1455													
30	1453	1433	1412	1388	1373													
35	1375	1356	1325	1298	1279													
40	1290	1262	1229	1198	1177													
45	1192	1162	1124	1091	1066													
50	1079	1050	1011	973	950													
55	958	928	886	851	826													
60	826	795	756	722	701													
65	684	655	619	589	569													
70	529	506	477	453	437													
75	372	356	336	318	307													
80	218	210	199	190	184													
85	81.2	80.2	78.1	75.3	74.3													
90	3.29	4.79	6.37	7.68	8.34													
95	0.23	0.24	0.24	0.24	0.28													
100	0.36	0.38	0.38	0.37	0.40													
105	0.47	0.48	0.49	0.49	0.51													
110	0.56	0.58	0.59	0.59	0.62													
115	0.67	0.69	0.70	0.71	0.74													
120	0.76	0.79	0.81	0.83	0.87													
125	0.92	0.92	0.93	0.96	1.01													
130	1.17	1.17	1.17	1.21	1.28													
135	1.46	1.46	1.47	1.50	1.59													
140	1.83	1.85	1.88	1.91	1.99													
145	2.23	2.26	2.29	2.38	2.44													
150	2.57	2.60	2.66	2.75	2.84													
155	2.80	2.80	2.91	3.00	3.10													
160	2.89	2.91	2.98	3.09	3.21													
165	2.90	2.92	2.98	3.09	3.20													
170	2.93	2.96	3.02	3.11	3.21													
175	2.95	2.98	3.05	3.13	3.21													
180	2.99	3.03	3.08	3.15	3.26													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_2700K