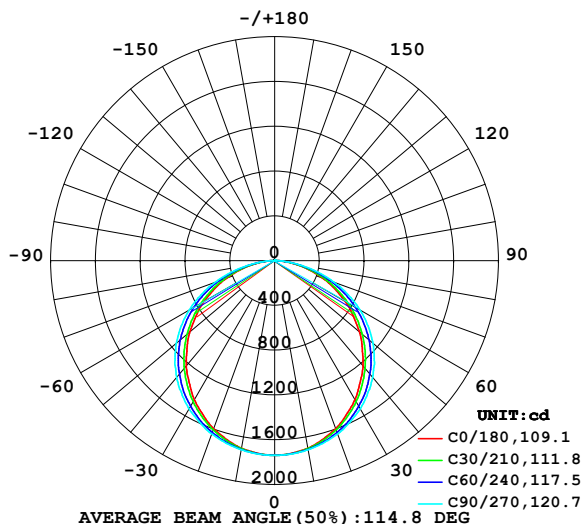


LUMINAIRE PHOTOMETRIC TEST REPORT

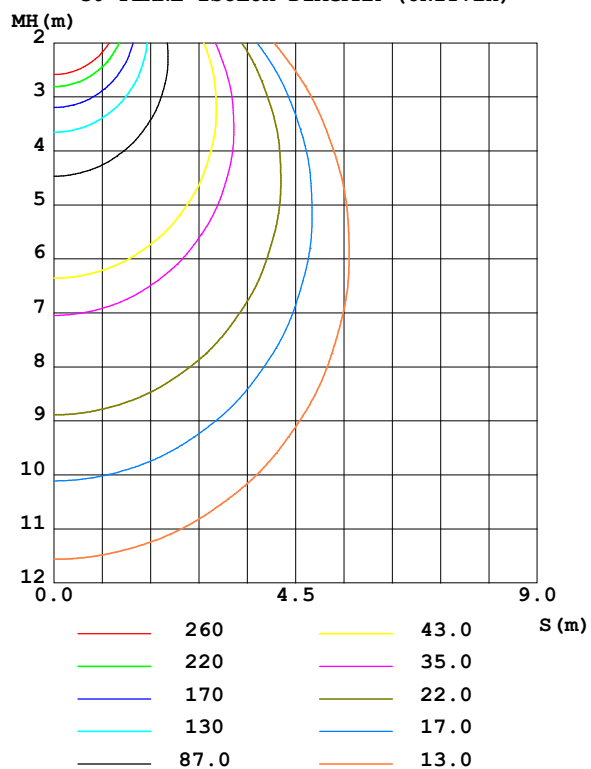
Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.19 lm/W			
MODEL		I _{max} (cd)	1739	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)	5101.1	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	5101.09	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℃
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%_3500K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

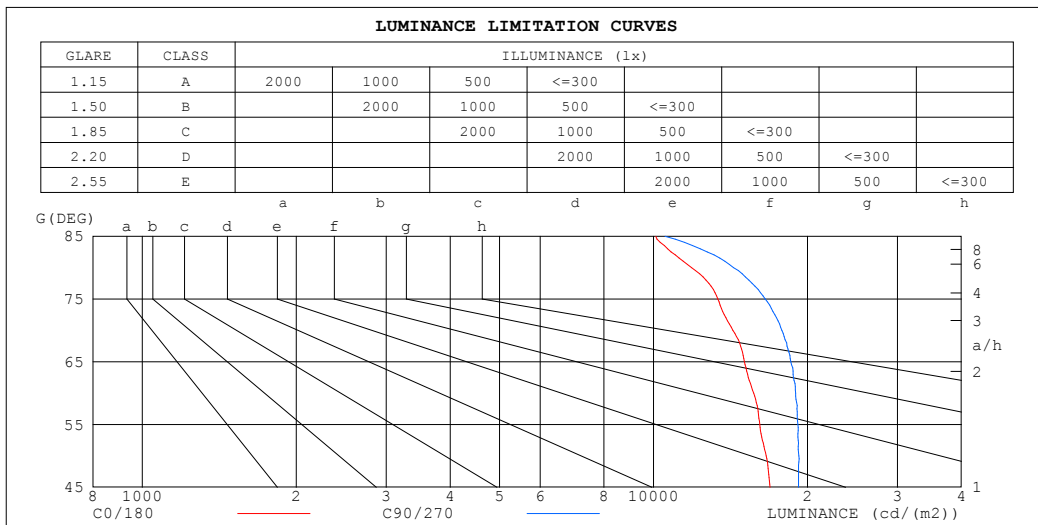
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1701	1709	1716	1709	1701	1709	1716	1709	0- 10	164.5	164.5	3.23,3.23
20	1597	1620	1648	1620	1597	1620	1648	1620	10- 20	471.7	636.3	12.5,12.5
30	1435	1481	1530	1481	1435	1481	1530	1481	20- 30	717.4	1354	26.5,26.5
40	1229	1289	1362	1289	1229	1289	1362	1289	30- 40	870.3	2224	43.6,43.6
50	989.7	1059	1147	1059	989.7	1059	1147	1059	40- 50	911.6	3136	61.5,61.5
60	727.8	793.0	878.7	793.0	727.8	793.0	878.7	793.0	50- 60	834.8	3970	77.8,77.8
70	453.7	501.0	565.3	501.0	453.7	501.0	565.3	501.0	60- 70	646.6	4617	90.5,90.5
80	191.1	209.6	231.0	209.6	191.1	209.6	231.0	209.6	70- 80	375.5	4992	97.9,97.9
90	13.31	8.983	3.383	8.983	13.31	8.983	3.383	8.983	80- 90	99.77	5092	99.8,99.8
100	0.4147	0.3935	0.3706	0.3935	0.4147	0.3935	0.3706	0.3935	90-100	1.471	5094	99.9,99.9
110	0.6295	0.6144	0.5823	0.6144	0.6295	0.6144	0.5823	0.6144	100-110	0.5398	5094	99.9,99.9
120	0.8934	0.8484	0.7959	0.8484	0.8934	0.8484	0.7959	0.8484	110-120	0.7248	5095	99.9,99.9
130	1.355	1.228	1.196	1.228	1.355	1.228	1.196	1.228	120-130	0.9101	5096	99.9,99.9
140	2.115	1.967	1.885	1.967	2.115	1.967	1.885	1.967	130-140	1.223	5097	99.9,99.9
150	3.047	2.788	2.665	2.788	3.047	2.788	2.665	2.788	140-150	1.502	5098	99.9,99.9
160	3.418	3.115	3.008	3.115	3.418	3.115	3.008	3.115	150-160	1.405	5100	100,100
170	3.372	3.156	3.057	3.156	3.372	3.156	3.057	3.156	160-170	0.8998	5101	100,100
180	3.507	3.216	3.109	3.216	3.507	3.216	3.109	3.216	170-180	0.3065	5101	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%_350

LUMINANCE LIMITATION CURVES

Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	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	10099	10531
80	11868	14347
75	13365	16545
70	14307	17827
65	15059	18552
60	15700	18954
55	16128	19151
50	16606	19245
45	16895	19215

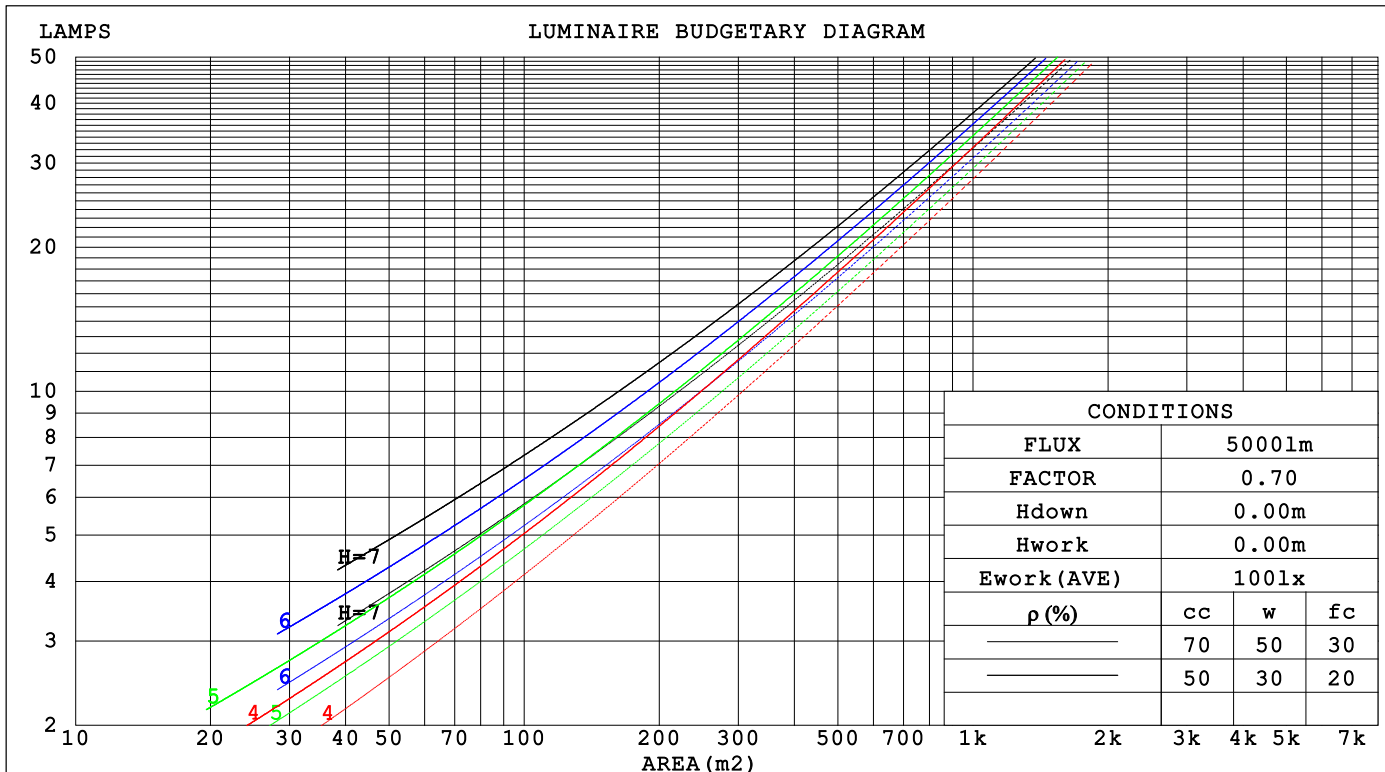
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

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%_3500K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	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															



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%_3500K

WEC AND CCEC

Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	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	.178	.057	.307	.175	.056	.293	.168	.054	.281	.162	.052	.270	.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	.042	.238	.132	.041		
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.036		
5.0	.232	.118	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.205	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.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	.083	.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	.090	.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	.019	.045	.026	.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	.103	.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%_350

UGR(Unified Glare Rating) Table

Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm										
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K						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	22.4	24.0	22.7	24.2	24.4	23.3	24.8	23.6	25.0	25.2
3H	23.9	25.3	24.2	25.6	25.8	25.0	26.4	25.3	26.6	26.9
4H	24.5	25.9	24.8	26.1	26.4	25.6	27.0	25.9	27.2	27.5
6H	24.9	26.2	25.3	26.5	26.8	26.1	27.4	26.4	27.6	27.9
8H	25.1	26.3	25.4	26.6	26.9	26.2	27.4	26.6	27.7	28.0
12H	25.1	26.3	25.5	26.6	26.9	26.3	27.4	26.6	27.7	28.1
4H 2H	23.2	24.5	23.5	24.8	25.0	23.8	25.2	24.1	25.4	25.7
3H	24.8	26.0	25.2	26.3	26.6	25.7	26.9	26.0	27.2	27.5
4H	25.5	26.6	25.9	26.9	27.3	26.5	27.6	26.9	27.9	28.2
6H	26.1	27.0	26.5	27.4	27.8	27.1	28.0	27.5	28.4	28.8
8H	26.2	27.1	26.7	27.5	27.9	27.2	28.1	27.7	28.5	28.9
12H	26.4	27.2	26.8	27.6	28.0	27.3	28.2	27.8	28.6	29.0
8H 4H	25.9	26.8	26.3	27.1	27.5	26.7	27.6	27.1	28.0	28.4
6H	26.5	27.3	27.0	27.7	28.1	27.4	28.2	27.9	28.6	29.0
8H	26.8	27.5	27.3	27.9	28.3	27.7	28.3	28.1	28.8	29.2
12H	27.0	27.5	27.5	28.0	28.5	27.9	28.4	28.3	28.9	29.4
12H 4H	25.9	26.7	26.3	27.1	27.5	26.7	27.5	27.1	27.9	28.3
6H	26.6	27.3	27.1	27.7	28.2	27.5	28.1	27.9	28.6	29.0
8H	26.9	27.5	27.4	27.9	28.4	27.8	28.3	28.2	28.8	29.3
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, 5101 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.7)
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%_3500K

UTILIZATION FACTORS TABLE

Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

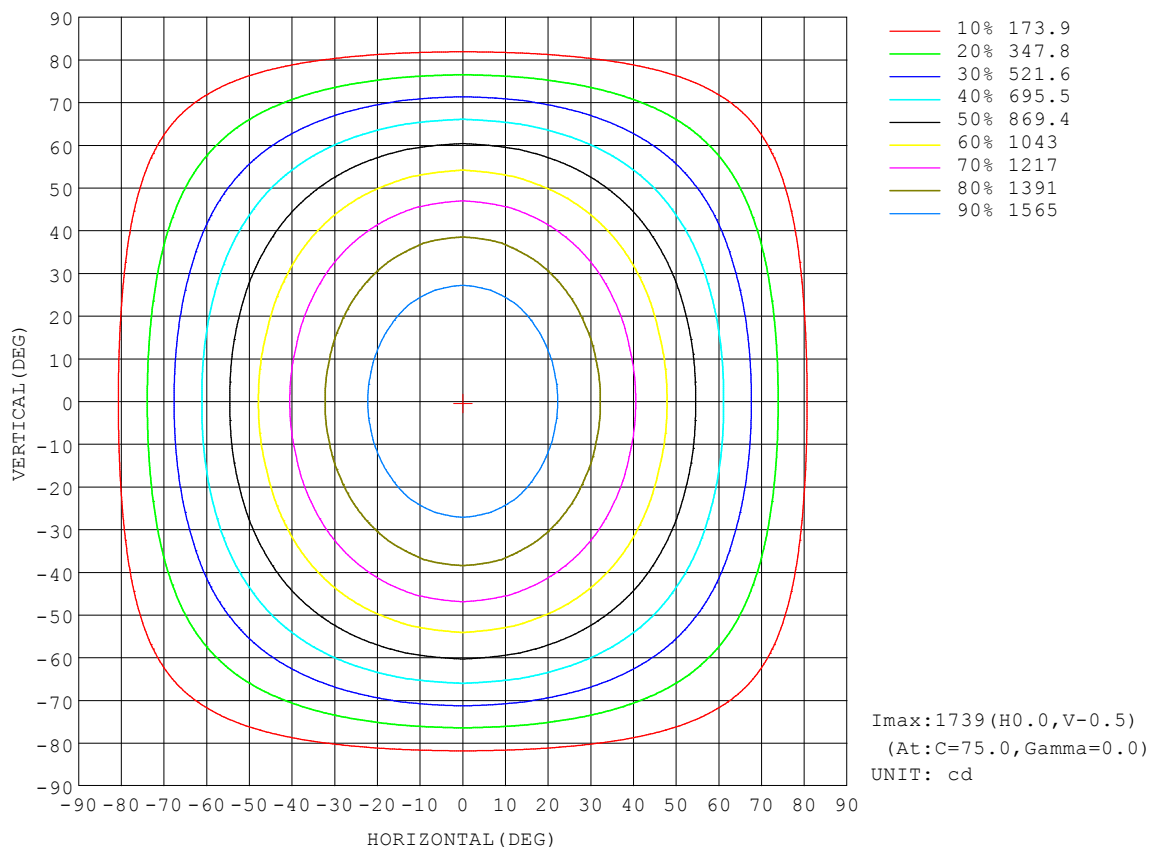
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	56	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	98	91	84	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	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: 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%_3500K

ISOCANDELA DIAGRAM

Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

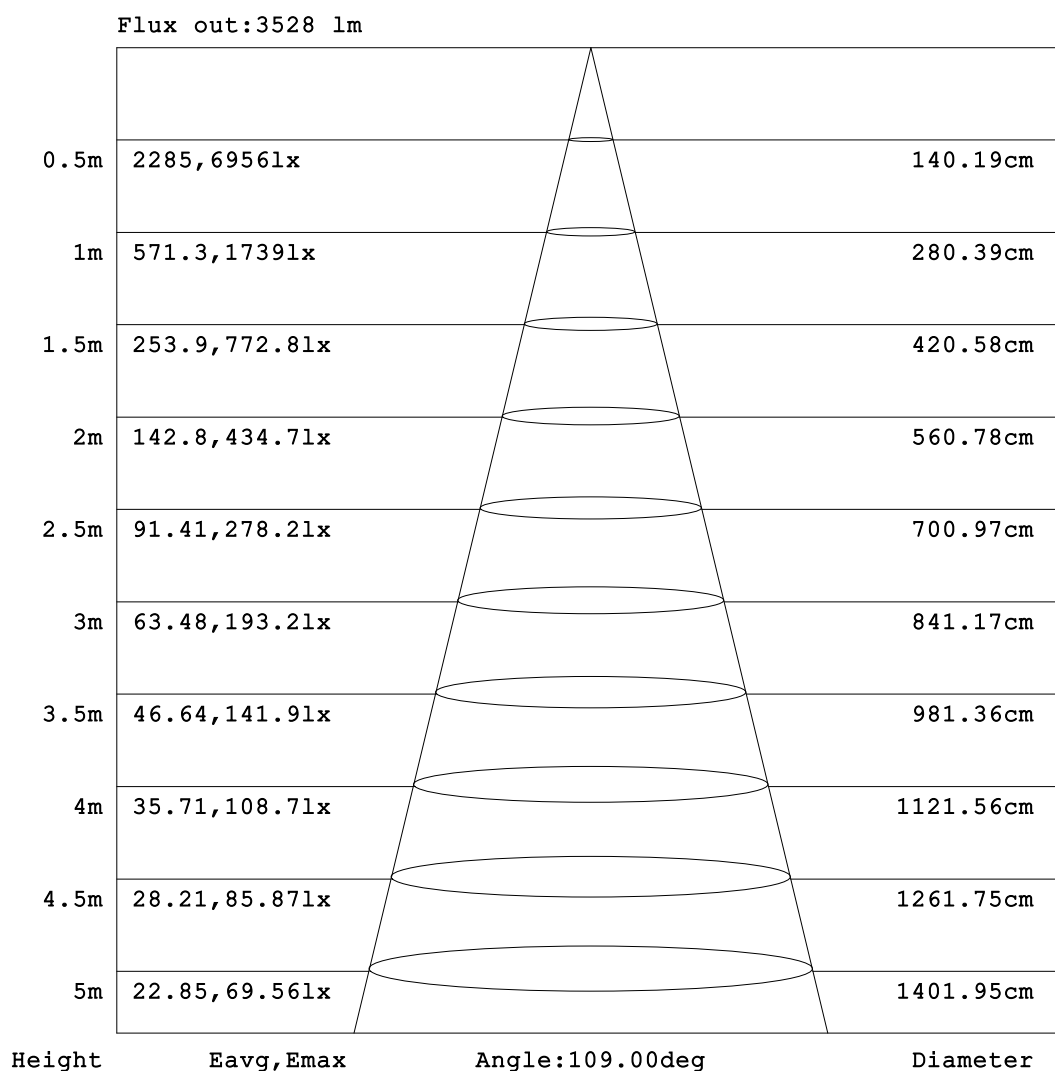


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

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%_3500K

AAI Figure

Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



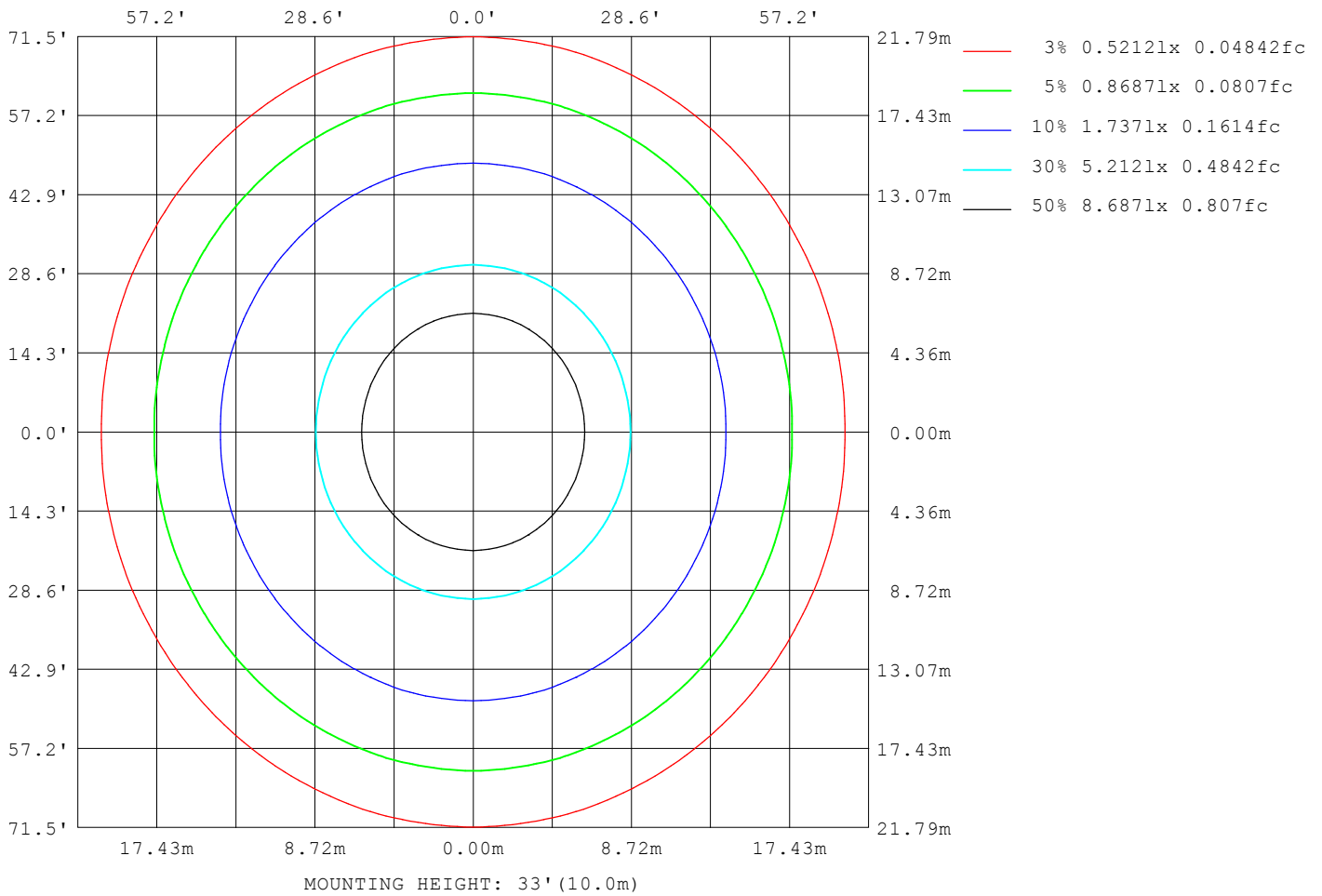
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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%_3500K

ISOLUX DIAGRAM

Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	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%_3500K

LED Avg.L Report

Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

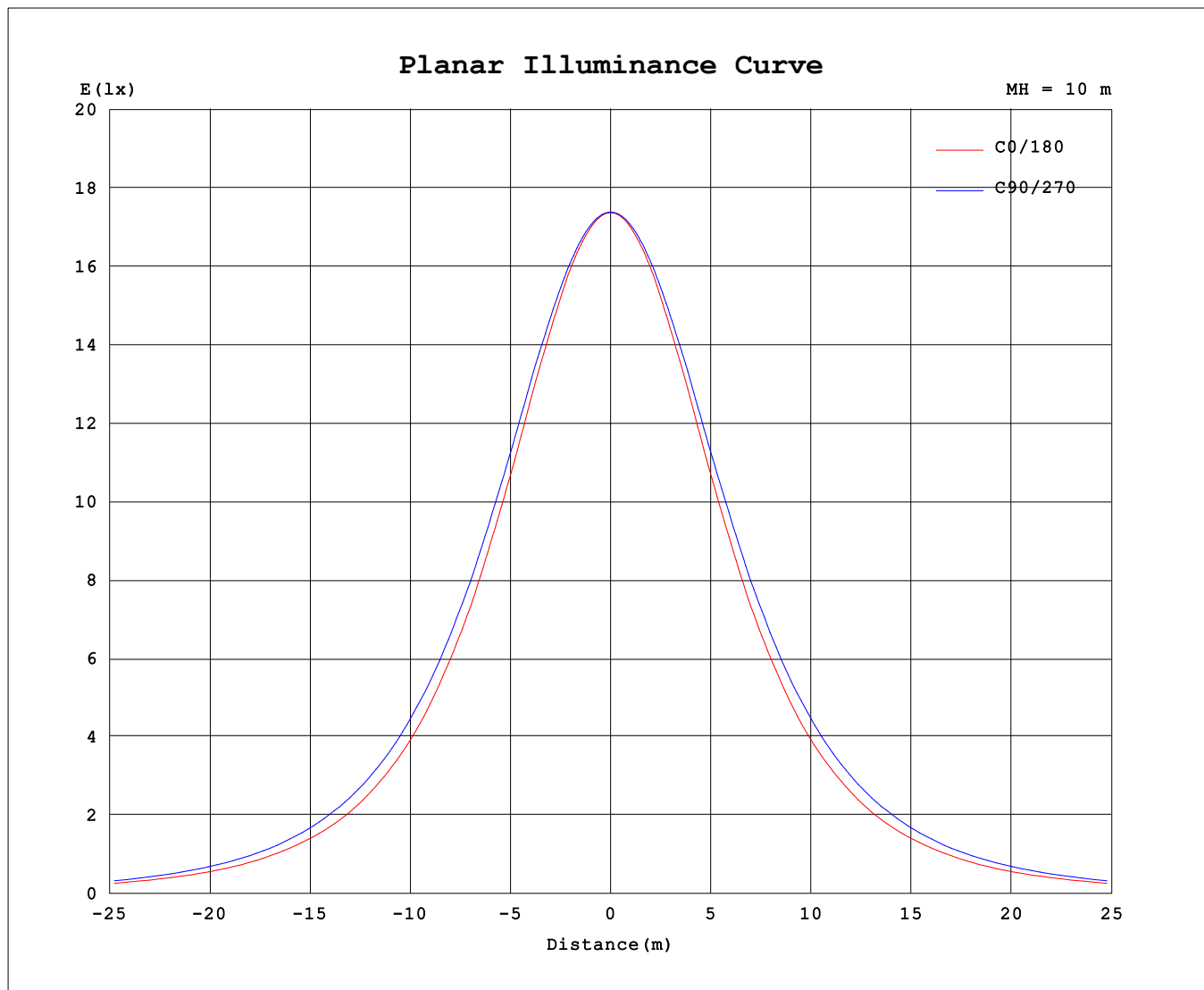
AvgL	cd/m2
L_0~180 (65) av	15059
L_0~180 (75) av	13365
L_0~180 (85) av	10099
L_90~270 (65) av	18552
L_90~270 (75) av	16545
L_90~270 (85) av	10531
L_45 (65) av	16599
L_45 (75) av	14681
L_45 (85) av	10326

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%_3500K

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%_350

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	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	1737	1739	1738	1739	1739	1739	1739	1739	1739	1739	1738	1739	1737	1739	1738	1739	1739	1739	1739
5	1728	1730	1730	1731	1732	1733	1733	1733	1732	1731	1730	1730	1728	1730	1730	1731	1732	1733	1733
10	1701	1703	1705	1709	1712	1715	1716	1715	1712	1709	1705	1703	1701	1703	1705	1709	1712	1715	1716
15	1655	1659	1664	1672	1679	1684	1686	1684	1679	1672	1664	1659	1655	1659	1664	1672	1679	1684	1686
20	1597	1599	1608	1620	1632	1643	1648	1643	1632	1620	1608	1599	1597	1599	1608	1620	1632	1643	1648
25	1519	1526	1538	1555	1576	1587	1592	1587	1576	1555	1538	1526	1519	1526	1538	1555	1576	1587	1592
30	1435	1438	1455	1481	1501	1523	1530	1523	1501	1481	1455	1438	1435	1438	1455	1481	1501	1523	1530
35	1331	1342	1360	1389	1421	1441	1449	1441	1421	1389	1360	1342	1331	1342	1360	1389	1421	1441	1449
40	1229	1233	1257	1289	1323	1351	1362	1351	1323	1289	1257	1233	1229	1233	1257	1289	1323	1351	1362
45	1108	1120	1144	1179	1217	1250	1260	1250	1217	1179	1144	1120	1108	1120	1144	1179	1217	1250	1260
50	990	995	1022	1059	1101	1133	1147	1133	1101	1059	1022	995	990	995	1022	1059	1101	1133	1147
55	858	868	892	931	972	1005	1018	1005	972	931	892	868	858	868	892	931	972	1005	1018
60	728	737	758	793	834	866	879	866	834	793	758	737	728	737	758	793	834	866	879
65	590	597	618	650	685	716	727	716	685	650	618	597	590	597	618	650	685	716	727
70	454	459	476	501	530	555	565	555	530	501	476	459	454	459	476	501	530	555	565
75	321	323	335	352	373	390	397	390	373	352	335	323	321	323	335	352	373	390	397
80	191	194	200	210	220	228	231	228	220	210	200	194	191	194	200	210	220	228	231
85	81.6	79.7	81.7	83.4	85.0	85.5	85.1	85.5	85.0	83.4	81.7	79.7	81.6	79.7	81.7	83.4	85.0	85.5	85.1
90	13.3	12.5	11.5	8.98	6.82	4.64	3.38	4.64	6.82	8.98	11.5	12.5	13.3	12.5	11.5	8.98	6.82	4.64	3.38
95	0.32	0.37	0.27	0.26	0.25	0.24	0.23	0.24	0.25	0.26	0.27	0.37	0.32	0.37	0.27	0.26	0.25	0.24	0.23
100	0.41	0.41	0.39	0.39	0.39	0.37	0.37	0.37	0.39	0.39	0.39	0.41	0.41	0.41	0.39	0.39	0.39	0.37	0.37
105	0.52	0.54	0.51	0.51	0.50	0.49	0.48	0.49	0.50	0.51	0.51	0.54	0.52	0.54	0.51	0.51	0.50	0.49	0.48
110	0.63	0.64	0.62	0.61	0.61	0.59	0.58	0.59	0.61	0.61	0.62	0.64	0.63	0.64	0.62	0.61	0.61	0.59	0.58
115	0.76	0.77	0.74	0.73	0.72	0.71	0.68	0.71	0.72	0.73	0.74	0.77	0.76	0.77	0.74	0.73	0.72	0.71	0.68
120	0.89	0.91	0.87	0.85	0.83	0.80	0.80	0.80	0.83	0.85	0.87	0.91	0.89	0.91	0.87	0.85	0.83	0.80	0.80
125	1.06	1.06	1.01	0.98	0.97	0.97	0.95	0.97	0.97	0.98	1.01	1.06	1.06	1.06	1.01	0.98	0.97	0.97	0.95
130	1.36	1.33	1.27	1.23	1.22	1.22	1.20	1.22	1.22	1.23	1.27	1.33	1.36	1.33	1.27	1.23	1.22	1.22	1.20
135	1.68	1.65	1.58	1.54	1.52	1.52	1.49	1.52	1.52	1.54	1.58	1.65	1.68	1.65	1.58	1.54	1.52	1.52	1.49
140	2.12	2.08	2.00	1.97	1.93	1.92	1.88	1.92	1.93	1.97	2.00	2.08	2.12	2.08	2.00	1.97	1.93	1.92	1.88
145	2.60	2.54	2.50	2.41	2.36	2.33	2.29	2.33	2.36	2.41	2.50	2.54	2.60	2.54	2.50	2.41	2.36	2.33	2.29
150	3.05	2.97	2.89	2.79	2.72	2.69	2.67	2.69	2.72	2.79	2.89	2.97	3.05	2.97	2.89	2.79	2.72	2.69	2.67
155	3.33	3.25	3.14	3.04	2.92	2.93	2.91	2.93	2.92	3.04	3.14	3.25	3.33	3.25	3.14	3.04	2.92	2.93	2.91
160	3.42	3.36	3.23	3.11	3.04	3.03	3.01	3.03	3.04	3.11	3.23	3.36	3.42	3.36	3.23	3.11	3.04	3.03	3.01
165	3.40	3.36	3.23	3.11	3.06	3.04	3.02	3.04	3.06	3.11	3.23	3.36	3.40	3.36	3.23	3.11	3.06	3.04	3.02
170	3.37	3.37	3.25	3.16	3.10	3.07	3.06	3.07	3.10	3.16	3.25	3.37	3.37	3.37	3.25	3.16	3.10	3.07	3.06
175	3.36	3.38	3.27	3.18	3.13	3.09	3.07	3.09	3.13	3.18	3.27	3.38	3.36	3.38	3.27	3.18	3.13	3.09	3.07
180	3.51	3.42	3.29	3.22	3.17	3.13	3.11	3.13	3.17	3.22	3.29	3.42	3.51	3.42	3.29	3.22	3.17	3.13	3.11

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%_350

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.99V I:0.3241A P:38.590W PF:0.9924 Freq:60.01Hz Lamp Flux:5101.09x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	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	1739	1739	1739	1738	1739													
5	1733	1732	1731	1730	1730													
10	1715	1712	1709	1705	1703													
15	1684	1679	1672	1664	1659													
20	1643	1632	1620	1608	1599													
25	1587	1576	1555	1538	1526													
30	1523	1501	1481	1455	1438													
35	1441	1421	1389	1360	1342													
40	1351	1323	1289	1257	1233													
45	1250	1217	1179	1144	1120													
50	1133	1101	1059	1022	995													
55	1005	972	931	892	868													
60	866	834	793	758	737													
65	716	685	650	618	597													
70	555	530	501	476	459													
75	390	373	352	335	323													
80	228	220	210	200	194													
85	85.5	85.0	83.4	81.7	79.7													
90	4.64	6.82	8.98	11.5	12.5													
95	0.24	0.25	0.26	0.27	0.37													
100	0.37	0.39	0.39	0.39	0.41													
105	0.49	0.50	0.51	0.51	0.54													
110	0.59	0.61	0.61	0.62	0.64													
115	0.71	0.72	0.73	0.74	0.77													
120	0.80	0.83	0.85	0.87	0.91													
125	0.97	0.97	0.98	1.01	1.06													
130	1.22	1.22	1.23	1.27	1.33													
135	1.52	1.52	1.54	1.58	1.65													
140	1.92	1.93	1.97	2.00	2.08													
145	2.33	2.36	2.41	2.50	2.54													
150	2.69	2.72	2.79	2.89	2.97													
155	2.93	2.92	3.04	3.14	3.25													
160	3.03	3.04	3.11	3.23	3.36													
165	3.04	3.06	3.11	3.23	3.36													
170	3.07	3.10	3.16	3.25	3.37													
175	3.09	3.13	3.18	3.27	3.38													
180	3.13	3.17	3.22	3.29	3.42													

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%_3500K