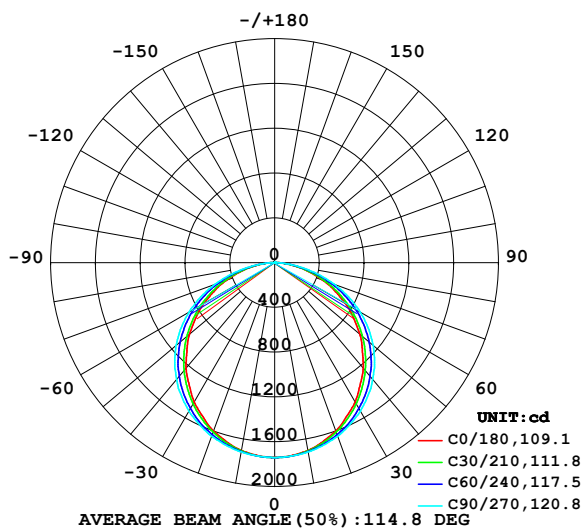


LUMINAIRE PHOTOMETRIC TEST REPORT

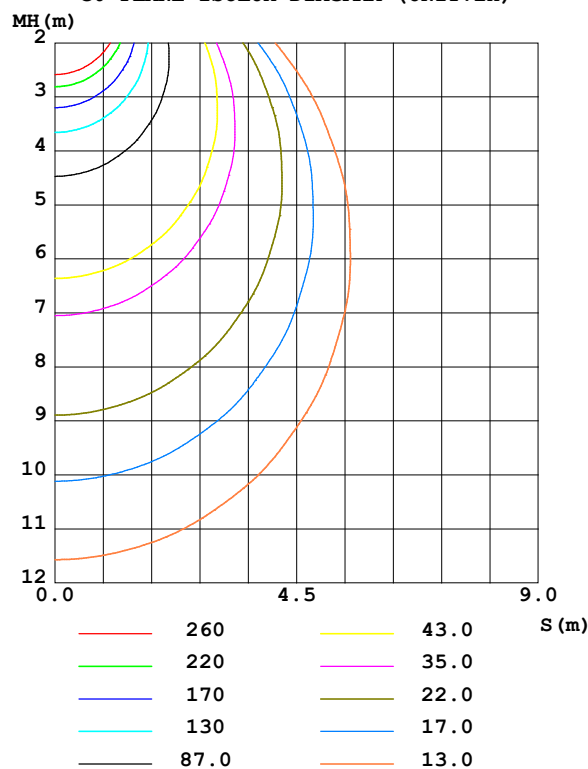
Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 130.45 lm/W
MODEL		I _{max} (cd)	1741	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)	5109.9	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	5109.94	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%_400

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

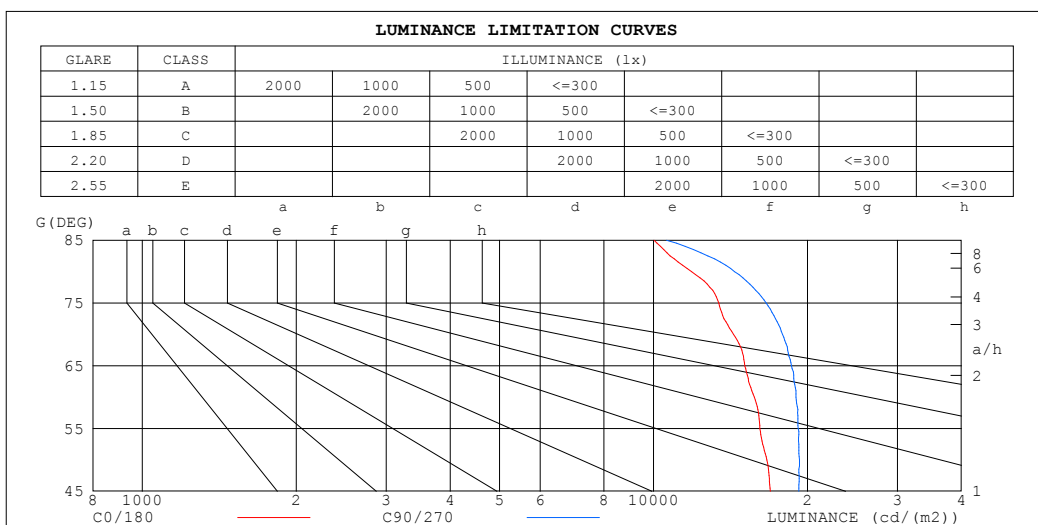
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1704	1711	1717	1711	1704	1711	1717	1711	0- 10	164.7	164.7	3.22,3.22
20	1600	1622	1650	1622	1600	1622	1650	1622	10- 20	472.4	637.1	12.5,12.5
30	1438	1484	1532	1484	1438	1484	1532	1484	20- 30	718.5	1356	26.5,26.5
40	1232	1292	1364	1292	1232	1292	1364	1292	30- 40	871.8	2227	43.6,43.6
50	992.7	1061	1149	1061	992.7	1061	1149	1061	40- 50	913.4	3141	61.5,61.5
60	729.8	794.9	880.9	794.9	729.8	794.9	880.9	794.9	50- 60	836.7	3978	77.8,77.8
70	454.6	502.2	566.9	502.2	454.6	502.2	566.9	502.2	60- 70	648.1	4626	90.5,90.5
80	191.0	210.0	231.9	210.0	191.0	210.0	231.9	210.0	70- 80	376.4	5002	97.9,97.9
90	12.69	6.916	3.524	6.916	12.69	6.916	3.524	6.916	80- 90	99.17	5101	99.8,99.8
100	0.4162	0.4013	0.3712	0.4013	0.4162	0.4013	0.3712	0.4013	90-100	1.226	5102	99.9,99.9
110	0.6322	0.6165	0.5841	0.6165	0.6322	0.6165	0.5841	0.6165	100-110	0.5425	5103	99.9,99.9
120	0.8983	0.8502	0.7984	0.8502	0.8983	0.8502	0.7984	0.8502	110-120	0.7268	5104	99.9,99.9
130	1.361	1.236	1.197	1.236	1.361	1.236	1.197	1.236	120-130	0.9142	5105	99.9,99.9
140	2.123	1.978	1.886	1.978	2.123	1.978	1.886	1.978	130-140	1.230	5106	99.9,99.9
150	3.057	2.798	2.669	2.798	3.057	2.798	2.669	2.798	140-150	1.509	5107	99.9,99.9
160	3.431	3.117	3.013	3.117	3.431	3.117	3.013	3.117	150-160	1.409	5109	100,100
170	3.385	3.153	3.065	3.153	3.385	3.153	3.065	3.153	160-170	0.9000	5110	100,100
180	3.511	3.224	3.118	3.224	3.511	3.224	3.118	3.224	170-180	0.3064	5110	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%_400

LUMINANCE LIMITATION CURVES

Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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	10022	10600
80	11863	14403
75	13411	16601
70	14336	17875
65	15090	18608
60	15742	19001
55	16148	19195
50	16655	19287
45	16914	19250

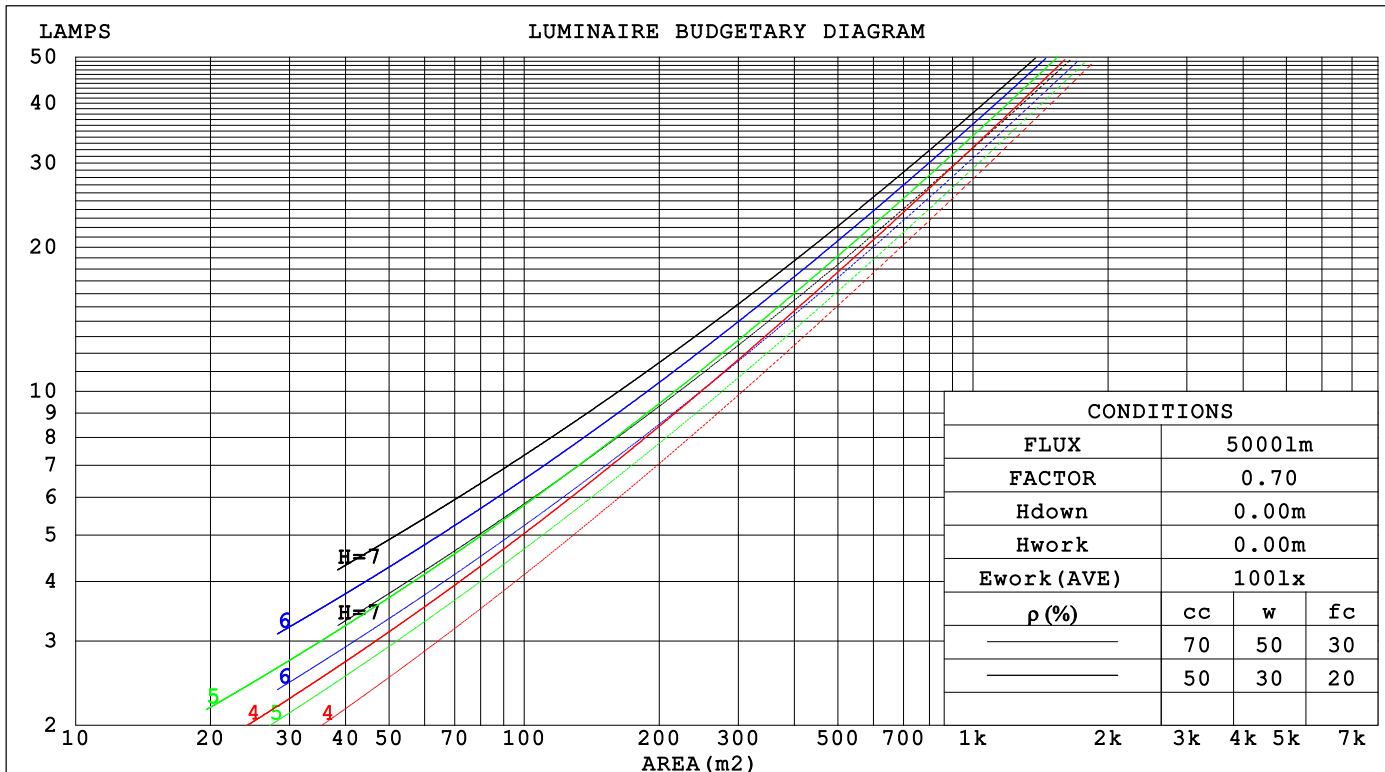
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

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%_4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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%_4000K

WEC AND CCEC

Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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	.037		
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	.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	.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%_400

UGR(Unified Glare Rating) Table

Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm										
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K					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	25.3
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	26.0	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	27.5	26.6	27.7	28.0
12H	25.1	26.3	25.5	26.6	26.9	26.3	27.5	26.6	27.8	28.1
4H 2H	23.2	24.5	23.5	24.8	25.0	23.8	25.2	24.2	25.4	25.7
3H	24.8	26.0	25.2	26.3	26.6	25.7	26.9	26.1	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	27.3	28.2	27.7	28.5	28.9
12H	26.4	27.2	26.8	27.6	28.0	27.4	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	28.4	28.2	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	28.3	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, 5110 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%_4000K

UTILIZATION FACTORS TABLE

Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

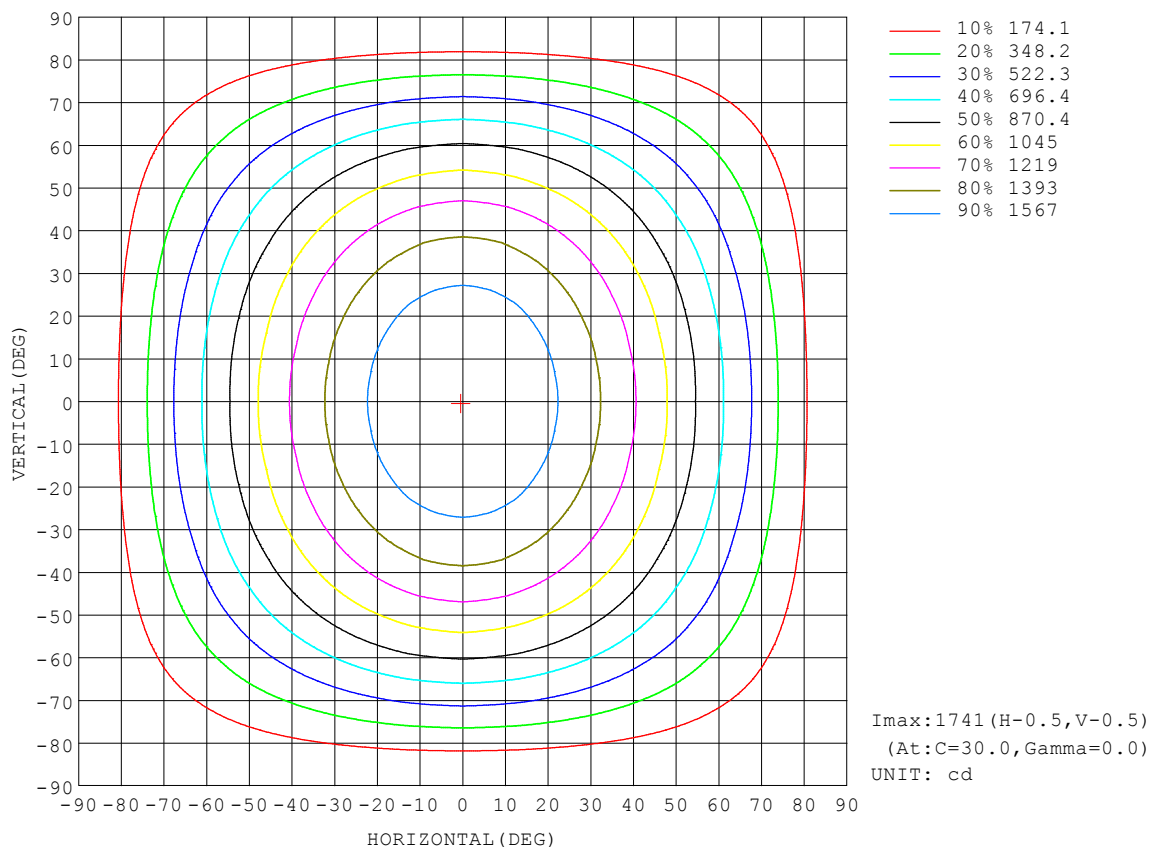
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	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	99	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	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%_4000K

ISOCANDELA DIAGRAM

Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

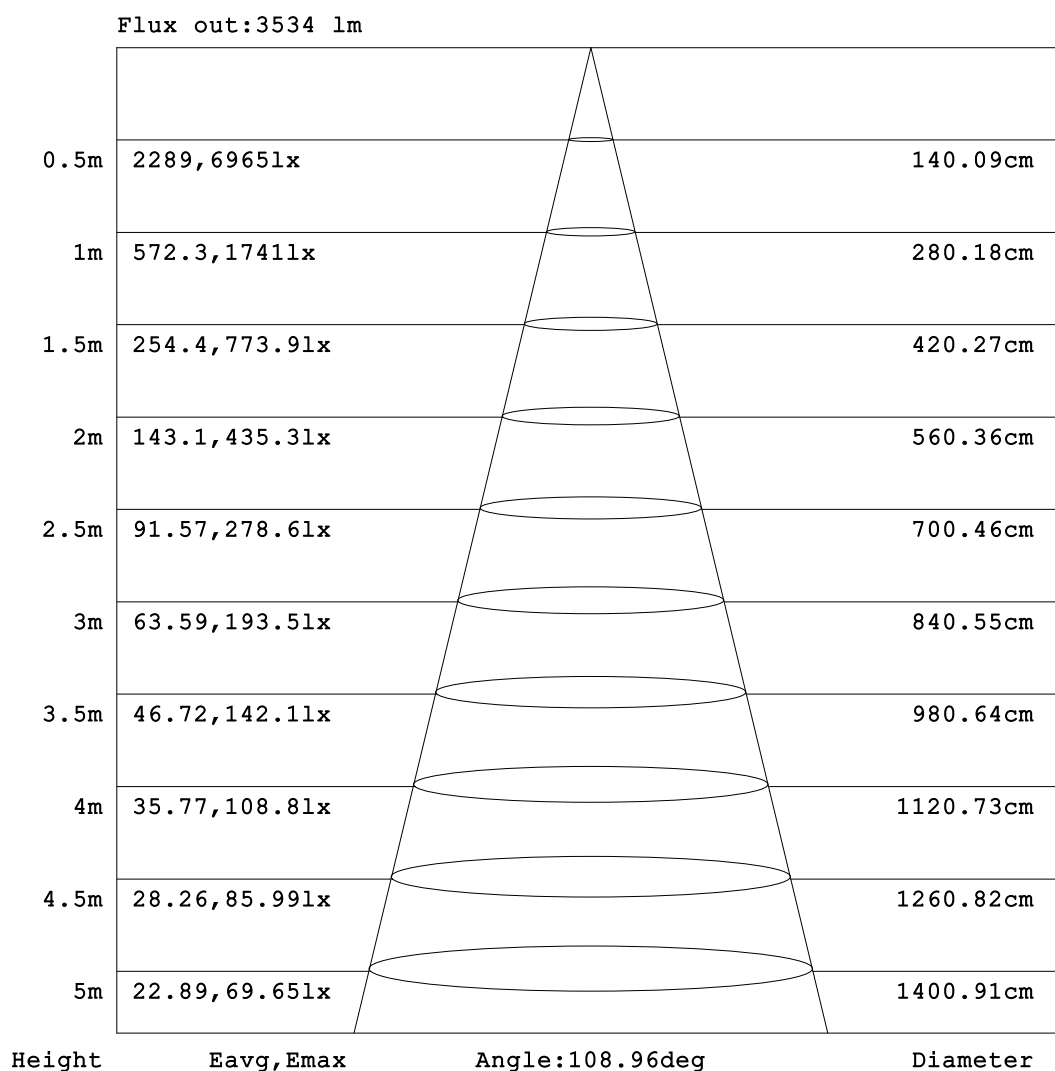


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1°C
Operators:Alan Wang
Test Date:2026-04-30

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%_4000K

AAI Figure

Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



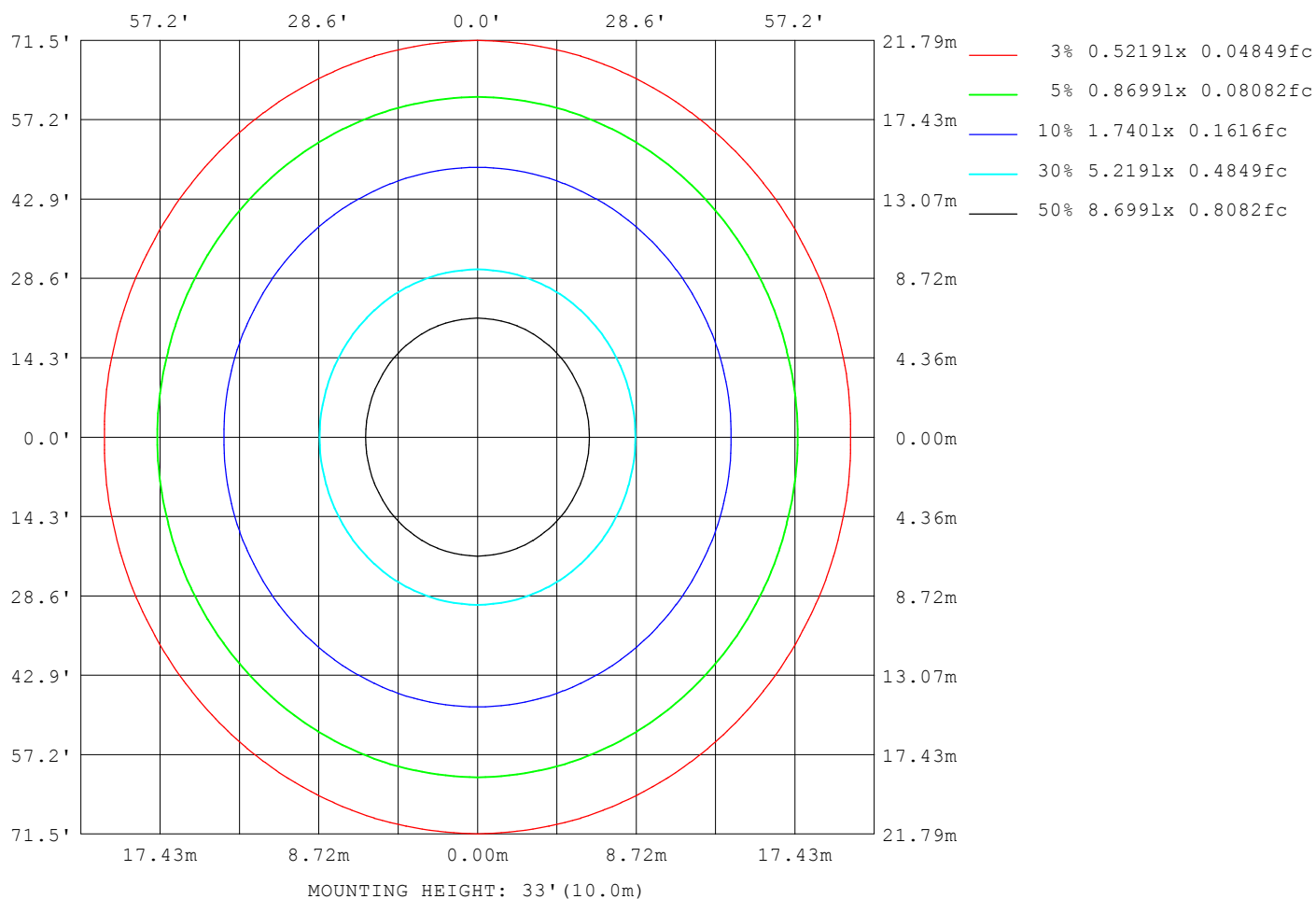
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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%_4000K

ISOLUX DIAGRAM

Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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%_4000K

LED Avg.L Report

Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

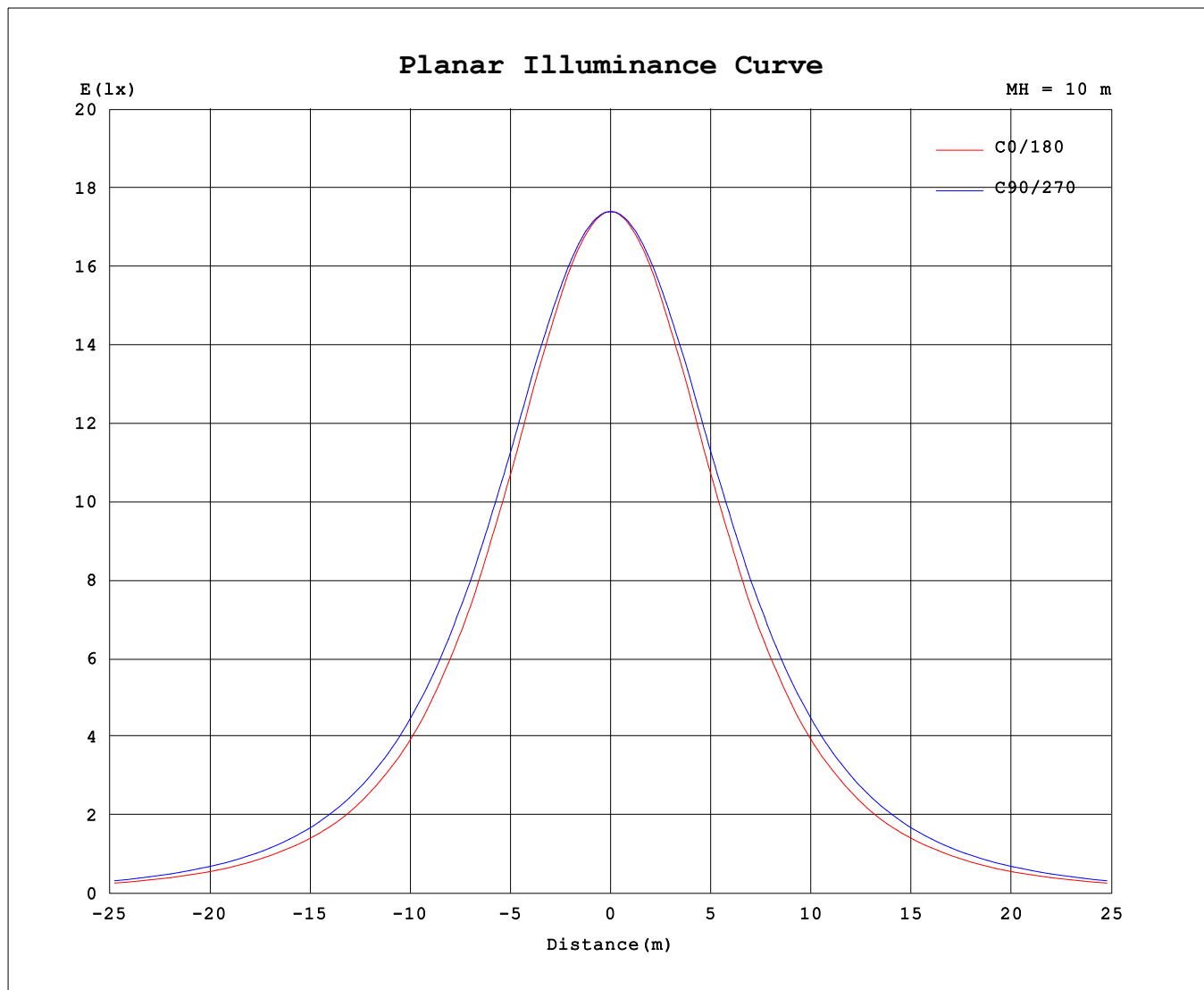
AvgL	cd/m2
L_0~180 (65) av	15090
L_0~180 (75) av	13411
L_0~180 (85) av	10022
L_90~270 (65) av	18608
L_90~270 (75) av	16601
L_90~270 (85) av	10600
L_45 (65) av	16603
L_45 (75) av	14725
L_45 (85) av	10179

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%_4000K

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%_400

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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	1740	1741	1741	1741	1741	1740	1740	1740	1741	1741	1741	1741	1740	1741	1741	1741	1741	1740	1740
5	1730	1732	1732	1733	1734	1734	1735	1734	1734	1733	1732	1732	1730	1732	1732	1733	1734	1734	1735
10	1704	1705	1708	1711	1714	1716	1717	1716	1714	1711	1708	1705	1704	1705	1708	1711	1714	1716	1717
15	1657	1662	1666	1674	1681	1686	1688	1686	1681	1674	1666	1662	1657	1662	1666	1674	1681	1686	1688
20	1600	1601	1611	1622	1634	1645	1650	1645	1634	1622	1611	1601	1600	1601	1611	1622	1634	1645	1650
25	1519	1529	1540	1557	1578	1590	1594	1590	1578	1557	1540	1529	1519	1529	1540	1557	1578	1590	1594
30	1438	1440	1458	1484	1504	1525	1532	1525	1504	1484	1458	1440	1438	1440	1458	1484	1504	1525	1532
35	1333	1345	1363	1392	1423	1444	1452	1444	1423	1392	1363	1345	1333	1345	1363	1392	1423	1444	1452
40	1232	1235	1259	1292	1325	1354	1364	1354	1325	1292	1259	1235	1232	1235	1259	1292	1325	1354	1364
45	1109	1122	1146	1181	1220	1252	1262	1252	1220	1181	1146	1122	1109	1122	1146	1181	1220	1252	1262
50	993	997	1024	1061	1103	1136	1149	1136	1103	1061	1024	997	993	997	1024	1061	1103	1136	1149
55	859	870	894	933	975	1008	1021	1008	975	933	894	870	859	870	894	933	975	1008	1021
60	730	734	760	795	837	868	881	868	837	795	760	734	730	734	760	795	837	868	881
65	591	599	619	651	687	718	729	718	687	651	619	599	591	599	619	651	687	718	729
70	455	460	477	502	532	557	567	557	532	502	477	460	455	460	477	502	532	557	567
75	322	323	335	353	374	391	398	391	374	353	335	323	322	323	335	353	374	391	398
80	191	194	200	210	220	229	232	229	220	210	200	194	191	194	200	210	220	229	232
85	81.0	78.6	80.5	82.3	84.6	86.0	85.7	86.0	84.6	82.3	80.5	78.6	81.0	78.6	80.5	82.3	84.6	86.0	85.7
90	12.7	9.97	9.06	6.92	5.06	4.71	3.52	4.71	5.06	6.92	9.06	9.97	12.7	9.97	9.06	6.92	5.06	4.71	3.52
95	0.31	0.29	0.26	0.26	0.25	0.24	0.23	0.24	0.25	0.26	0.26	0.29	0.31	0.29	0.26	0.26	0.25	0.24	0.23
100	0.42	0.43	0.40	0.40	0.40	0.38	0.37	0.38	0.40	0.40	0.40	0.43	0.42	0.43	0.40	0.40	0.40	0.38	0.37
105	0.52	0.54	0.51	0.51	0.51	0.49	0.49	0.49	0.51	0.51	0.51	0.54	0.52	0.54	0.51	0.51	0.51	0.49	0.49
110	0.63	0.65	0.62	0.62	0.61	0.59	0.58	0.59	0.61	0.62	0.62	0.65	0.63	0.65	0.62	0.62	0.61	0.59	0.58
115	0.76	0.78	0.74	0.73	0.72	0.71	0.68	0.71	0.72	0.73	0.74	0.78	0.76	0.78	0.74	0.73	0.72	0.71	0.68
120	0.90	0.91	0.87	0.85	0.84	0.80	0.80	0.80	0.84	0.85	0.87	0.91	0.90	0.91	0.87	0.85	0.84	0.80	0.80
125	1.07	1.07	1.01	0.98	0.97	0.97	0.95	0.97	0.97	0.98	1.01	1.07	1.07	1.07	1.01	0.98	0.97	0.97	0.95
130	1.36	1.35	1.28	1.24	1.23	1.23	1.20	1.23	1.23	1.24	1.28	1.35	1.36	1.35	1.28	1.24	1.23	1.23	1.20
135	1.69	1.67	1.59	1.55	1.53	1.53	1.49	1.53	1.53	1.55	1.59	1.67	1.69	1.67	1.59	1.55	1.53	1.53	1.49
140	2.12	2.10	2.02	1.98	1.94	1.92	1.89	1.92	1.94	1.98	2.02	2.10	2.12	2.10	2.02	1.98	1.94	1.92	1.89
145	2.60	2.57	2.50	2.42	2.37	2.34	2.30	2.34	2.37	2.42	2.50	2.57	2.60	2.57	2.50	2.42	2.37	2.34	2.30
150	3.06	2.99	2.90	2.80	2.73	2.69	2.67	2.69	2.73	2.80	2.90	2.99	3.06	2.99	2.90	2.80	2.73	2.69	2.67
155	3.34	3.26	3.15	3.05	2.93	2.94	2.92	2.94	2.93	3.05	3.15	3.26	3.34	3.26	3.15	3.05	2.93	2.94	2.92
160	3.43	3.36	3.23	3.12	3.05	3.03	3.01	3.03	3.05	3.12	3.23	3.36	3.43	3.36	3.23	3.12	3.05	3.03	3.01
165	3.41	3.35	3.23	3.11	3.06	3.05	3.03	3.05	3.06	3.11	3.23	3.35	3.41	3.35	3.23	3.11	3.06	3.05	3.03
170	3.38	3.35	3.25	3.15	3.10	3.08	3.07	3.08	3.10	3.15	3.25	3.35	3.38	3.35	3.25	3.15	3.10	3.08	3.07
175	3.37	3.36	3.27	3.18	3.13	3.10	3.08	3.10	3.13	3.18	3.27	3.36	3.37	3.36	3.27	3.18	3.13	3.10	3.08
180	3.51	3.41	3.29	3.22	3.18	3.14	3.12	3.14	3.18	3.22	3.29	3.41	3.51	3.41	3.29	3.22	3.18	3.14	3.12

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%_400

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.01V I:0.3289A P:39.172W PF:0.9925 Freq:60.01Hz Lamp Flux:5109.94x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_4000K	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	1740	1741	1741	1741	1741													
5	1734	1734	1733	1732	1732													
10	1716	1714	1711	1708	1705													
15	1686	1681	1674	1666	1662													
20	1645	1634	1622	1611	1601													
25	1590	1578	1557	1540	1529													
30	1525	1504	1484	1458	1440													
35	1444	1423	1392	1363	1345													
40	1354	1325	1292	1259	1235													
45	1252	1220	1181	1146	1122													
50	1136	1103	1061	1024	997													
55	1008	975	933	894	870													
60	868	837	795	760	734													
65	718	687	651	619	599													
70	557	532	502	477	460													
75	391	374	353	335	323													
80	229	220	210	200	194													
85	86.0	84.6	82.3	80.5	78.6													
90	4.71	5.06	6.92	9.06	9.97													
95	0.24	0.25	0.26	0.26	0.29													
100	0.38	0.40	0.40	0.40	0.43													
105	0.49	0.51	0.51	0.51	0.54													
110	0.59	0.61	0.62	0.62	0.65													
115	0.71	0.72	0.73	0.74	0.78													
120	0.80	0.84	0.85	0.87	0.91													
125	0.97	0.97	0.98	1.01	1.07													
130	1.23	1.23	1.24	1.28	1.35													
135	1.53	1.53	1.55	1.59	1.67													
140	1.92	1.94	1.98	2.02	2.10													
145	2.34	2.37	2.42	2.50	2.57													
150	2.69	2.73	2.80	2.90	2.99													
155	2.94	2.93	3.05	3.15	3.26													
160	3.03	3.05	3.12	3.23	3.36													
165	3.05	3.06	3.11	3.23	3.35													
170	3.08	3.10	3.15	3.25	3.35													
175	3.10	3.13	3.18	3.27	3.36													
180	3.14	3.18	3.22	3.29	3.41													

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%_4000K