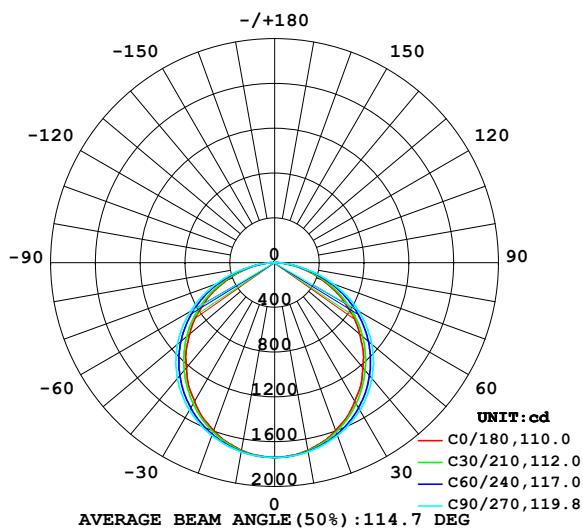


LUMINAIRE PHOTOMETRIC TEST REPORT

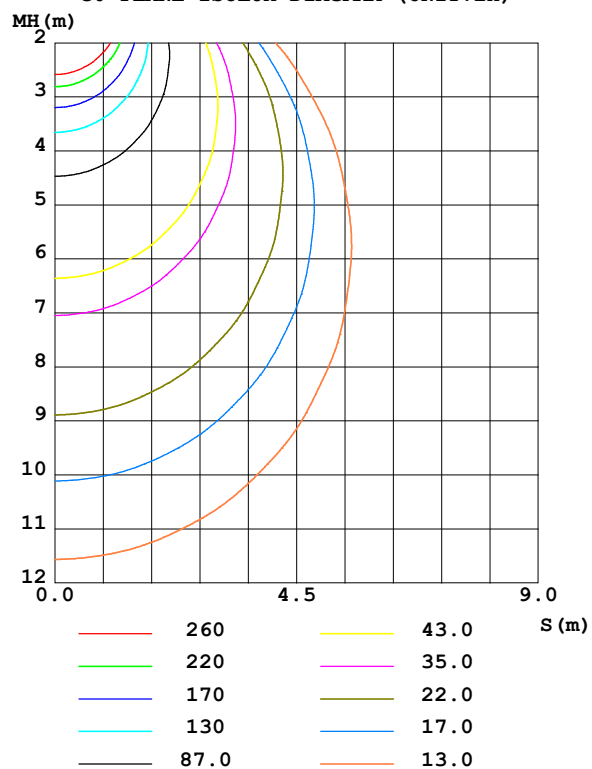
Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 133.06 lm/W
MODEL		I _{max} (cd)	1740	S/MH(C0/180)	1.23	
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.30	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5086.1	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	5086.12	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)	120.078	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:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

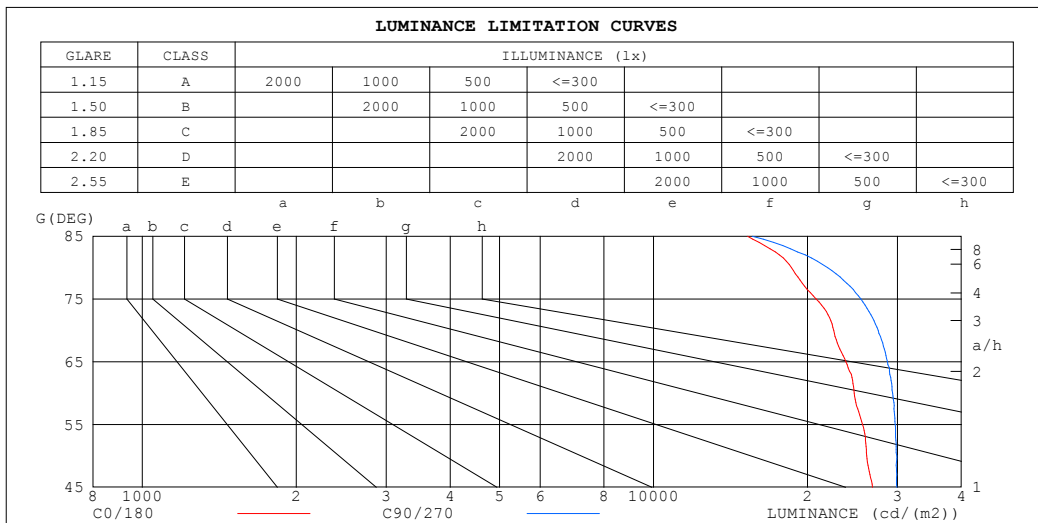
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1701	1710	1716	1710	1701	1710	1716	1710	0- 10	164.6	164.6	3.24,3.24
20	1595	1620	1643	1620	1595	1620	1643	1620	10- 20	471.9	636.5	12.5,12.5
30	1432	1478	1523	1478	1432	1478	1523	1478	20- 30	716.9	1353	26.6,26.6
40	1226	1287	1352	1287	1226	1287	1352	1287	30- 40	868.8	2222	43.7,43.7
50	991.4	1057	1135	1057	991.4	1057	1135	1057	40- 50	909.6	3132	61.6,61.6
60	729.0	793.5	866.7	793.5	729.0	793.5	866.7	793.5	50- 60	833.0	3965	78,78
70	454.5	498.4	555.8	498.4	454.5	498.4	555.8	498.4	60- 70	643.7	4608	90.6,90.6
80	190.9	204.7	224.6	204.7	190.9	204.7	224.6	204.7	70- 80	371.2	4980	97.9,97.9
90	16.39	9.900	3.516	9.900	16.39	9.900	3.516	9.900	80- 90	97.45	5077	99.8,99.8
100	0.4236	0.4230	0.3826	0.4230	0.4236	0.4230	0.3826	0.4230	90-100	1.457	5078	99.9,99.9
110	0.6360	0.6333	0.5859	0.6333	0.6360	0.6333	0.5859	0.6333	100-110	0.5555	5079	99.9,99.9
120	0.8891	0.8647	0.8081	0.8647	0.8891	0.8647	0.8081	0.8647	110-120	0.7377	5080	99.9,99.9
130	1.333	1.353	1.228	1.353	1.333	1.353	1.228	1.353	120-130	0.9278	5081	99.9,99.9
140	2.081	2.055	1.936	2.055	2.081	2.055	1.936	2.055	130-140	1.252	5082	99.9,99.9
150	2.993	2.826	2.753	2.826	2.993	2.826	2.753	2.826	140-150	1.526	5083	99.9,99.9
160	3.362	3.172	3.084	3.172	3.362	3.172	3.084	3.172	150-160	1.417	5085	100,100
170	3.326	3.153	3.086	3.153	3.326	3.153	3.086	3.153	160-170	0.9011	5086	100,100
180	3.488	3.247	3.152	3.247	3.488	3.247	3.152	3.247	170-180	0.3063	5086	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_350

LUMINANCE LIMITATION CURVES

Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm		
NAME: VLTG-2S-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	15274	15611
80	18614	21902
75	20806	25443
70	22503	27519
65	23784	28696
60	24689	29354
55	25644	29712
50	26120	29893
45	26819	29910

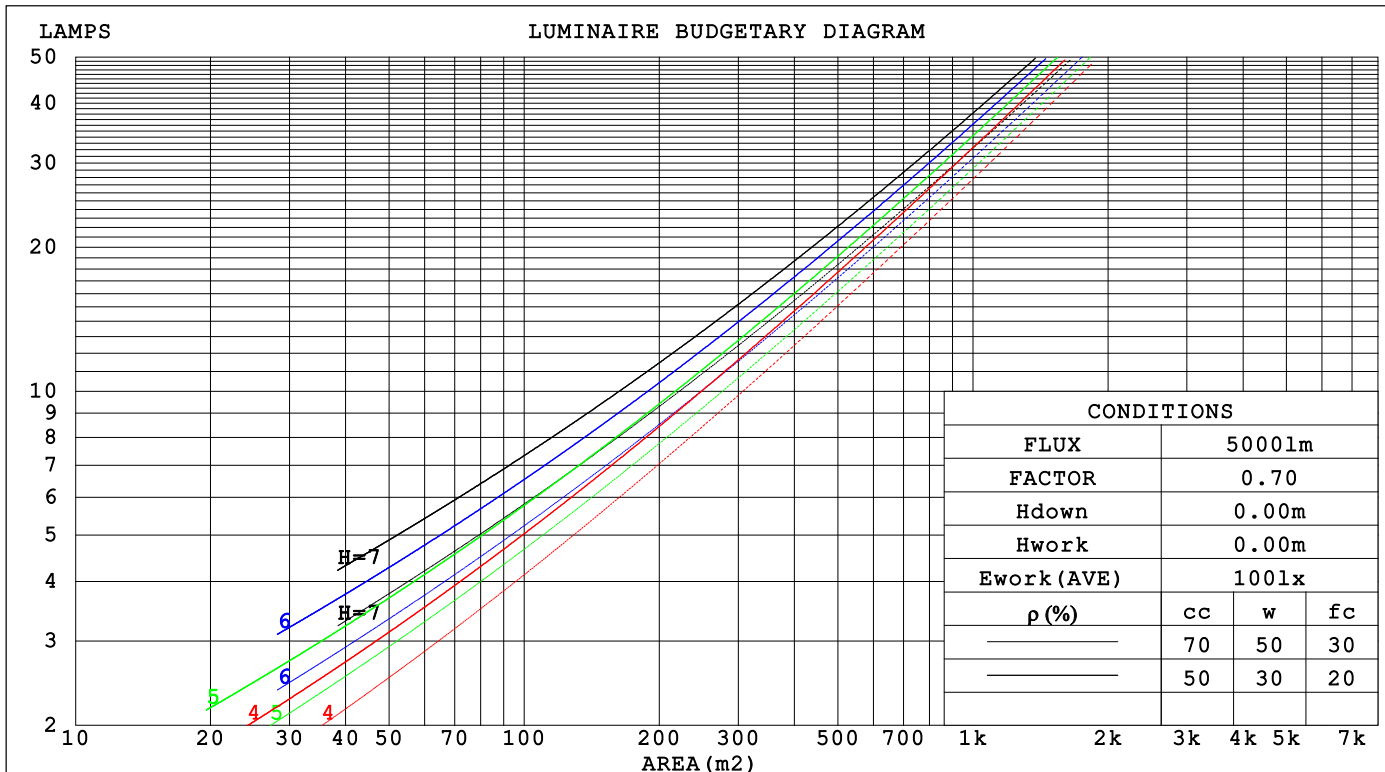
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 45.1%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm		
NAME: VLTG-2S-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:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K

WEC AND CCEC

Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm		
NAME: VLTG-2S-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	.313	.178	.056	.306	.174	.055	.292	.168	.054	.280	.162	.052	.269	.156	.050		
2.0	.294	.161	.050	.288	.159	.049	.276	.154	.048	.265	.149	.047	.255	.144	.046		
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.238	.132	.041		
4.0	.251	.130	.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	.204	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.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	.089	.052	.094	.062	.036	.054	.036	.022	.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	.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	.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:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_350

UGR(Unified Glare Rating) Table

Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm											
NAME: VLTG-2S-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		24.0	25.6	24.3	25.8	26.0	24.8	26.3	25.1	26.5	26.8
3H		25.5	26.9	25.8	27.2	27.4	26.5	27.9	26.8	28.1	28.4
4H		26.1	27.5	26.4	27.7	28.0	27.1	28.5	27.4	28.7	29.0
6H		26.5	27.8	26.9	28.1	28.3	27.6	28.8	27.9	29.1	29.4
8H		26.6	27.9	27.0	28.2	28.5	27.7	28.9	28.0	29.2	29.5
12H		26.7	27.9	27.1	28.2	28.5	27.7	28.9	28.1	29.2	29.5
4H 2H		24.8	26.1	25.1	26.4	26.6	25.3	26.7	25.7	26.9	27.2
3H		26.4	27.6	26.8	27.9	28.2	27.2	28.4	27.5	28.7	29.0
4H		27.1	28.2	27.5	28.5	28.8	28.0	29.1	28.4	29.4	29.7
6H		27.6	28.6	28.0	28.9	29.3	28.5	29.5	28.9	29.9	30.2
8H		27.8	28.7	28.2	29.1	29.5	28.7	29.6	29.1	30.0	30.4
12H		27.9	28.7	28.3	29.1	29.5	28.8	29.6	29.2	30.0	30.4
8H 4H		27.4	28.3	27.8	28.7	29.1	28.2	29.1	28.6	29.5	29.8
6H		28.1	28.8	28.5	29.2	29.7	28.9	29.6	29.4	30.1	30.5
8H		28.3	29.0	28.8	29.4	29.9	29.2	29.8	29.6	30.2	30.7
12H		28.5	29.1	29.0	29.5	30.0	29.3	29.9	29.8	30.3	30.8
12H 4H		27.4	28.3	27.9	28.7	29.1	28.2	29.0	28.6	29.4	29.8
6H		28.2	28.8	28.6	29.2	29.7	28.9	29.6	29.4	30.0	30.5
8H		28.4	29.0	28.9	29.5	29.9	29.2	29.8	29.7	30.2	30.7
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, 5086 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.7)
Area: 0.05905 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K

UTILIZATION FACTORS TABLE

Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm		
NAME: VLTG-2S-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:

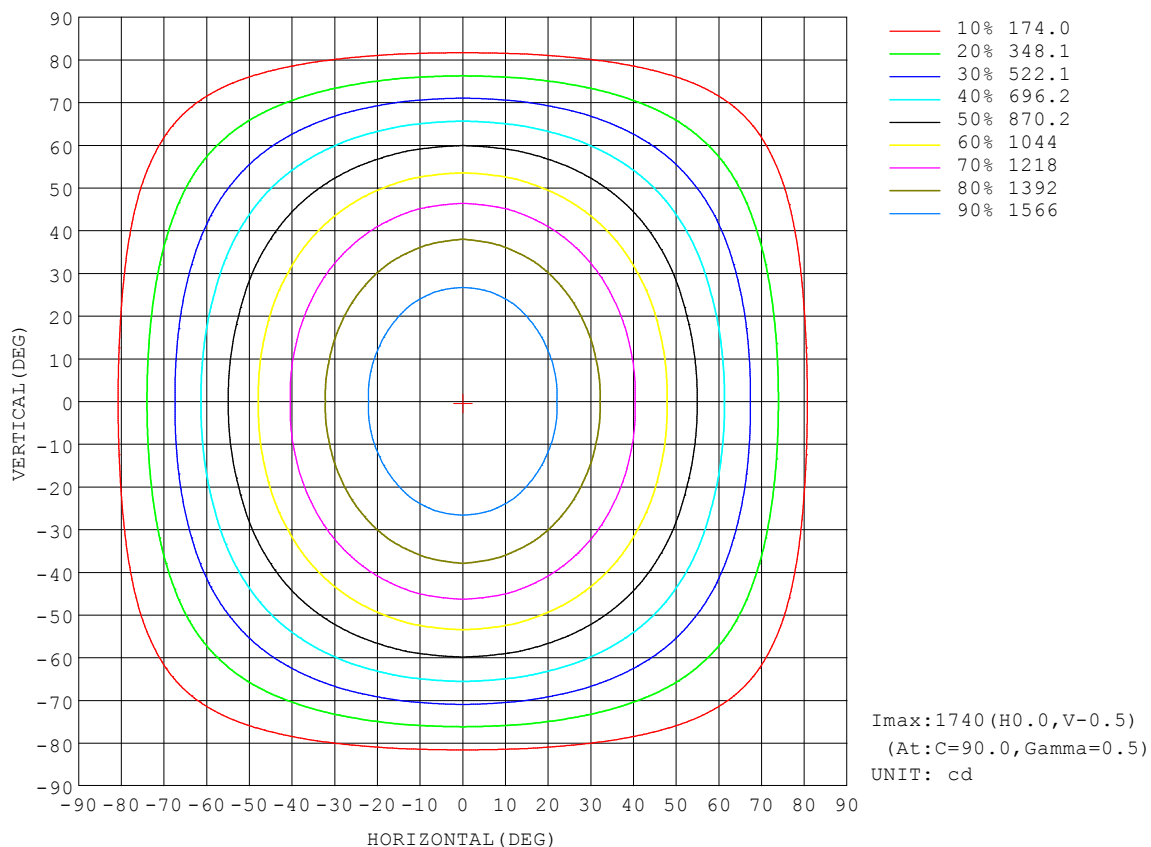
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	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	64	56
1.50	88	78	71	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	78
4.00	106	100	96	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: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 45.1%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K

ISOCANDELA DIAGRAM

Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm		
NAME: VLTG-2S-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:

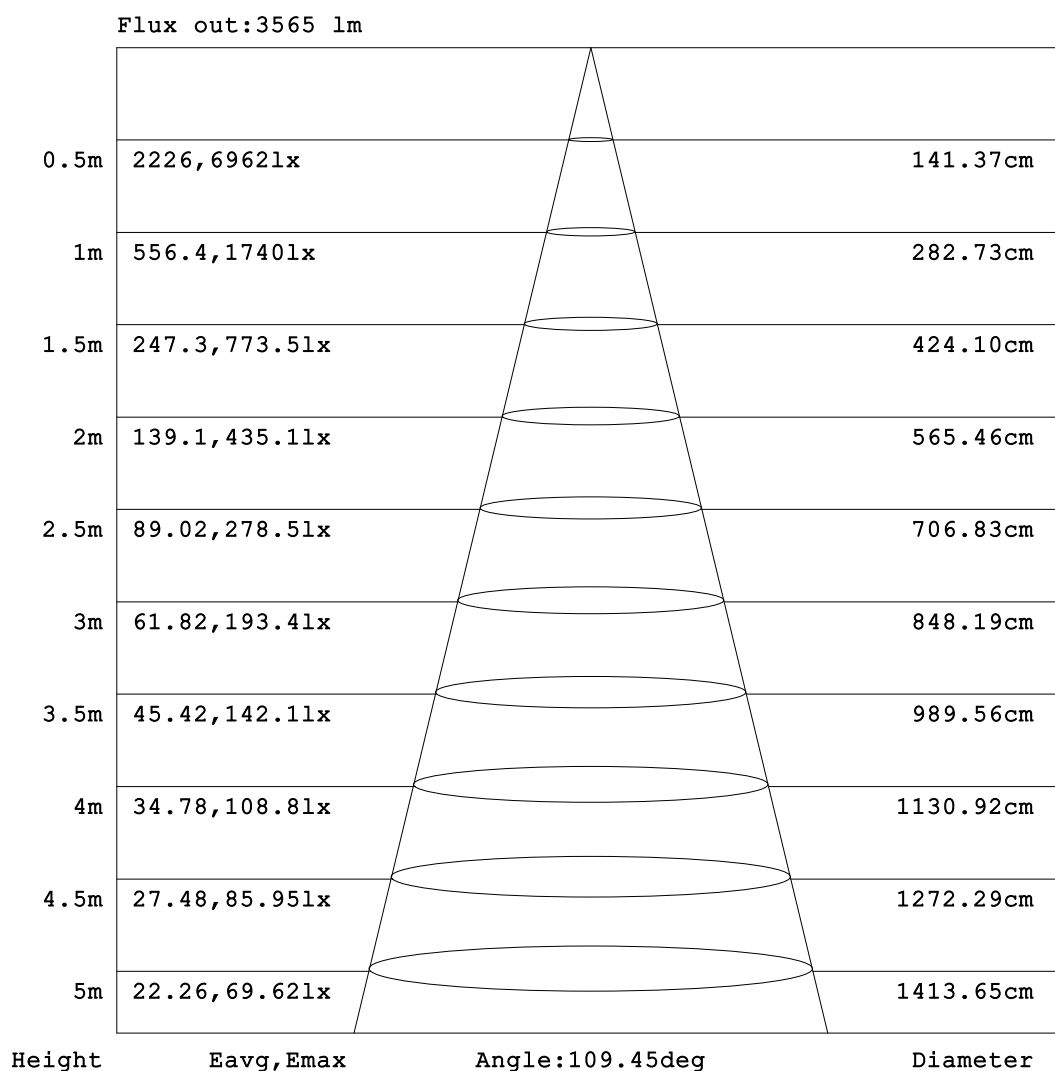


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K

AAI Figure

Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm		
NAME: VLTG-2S-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:



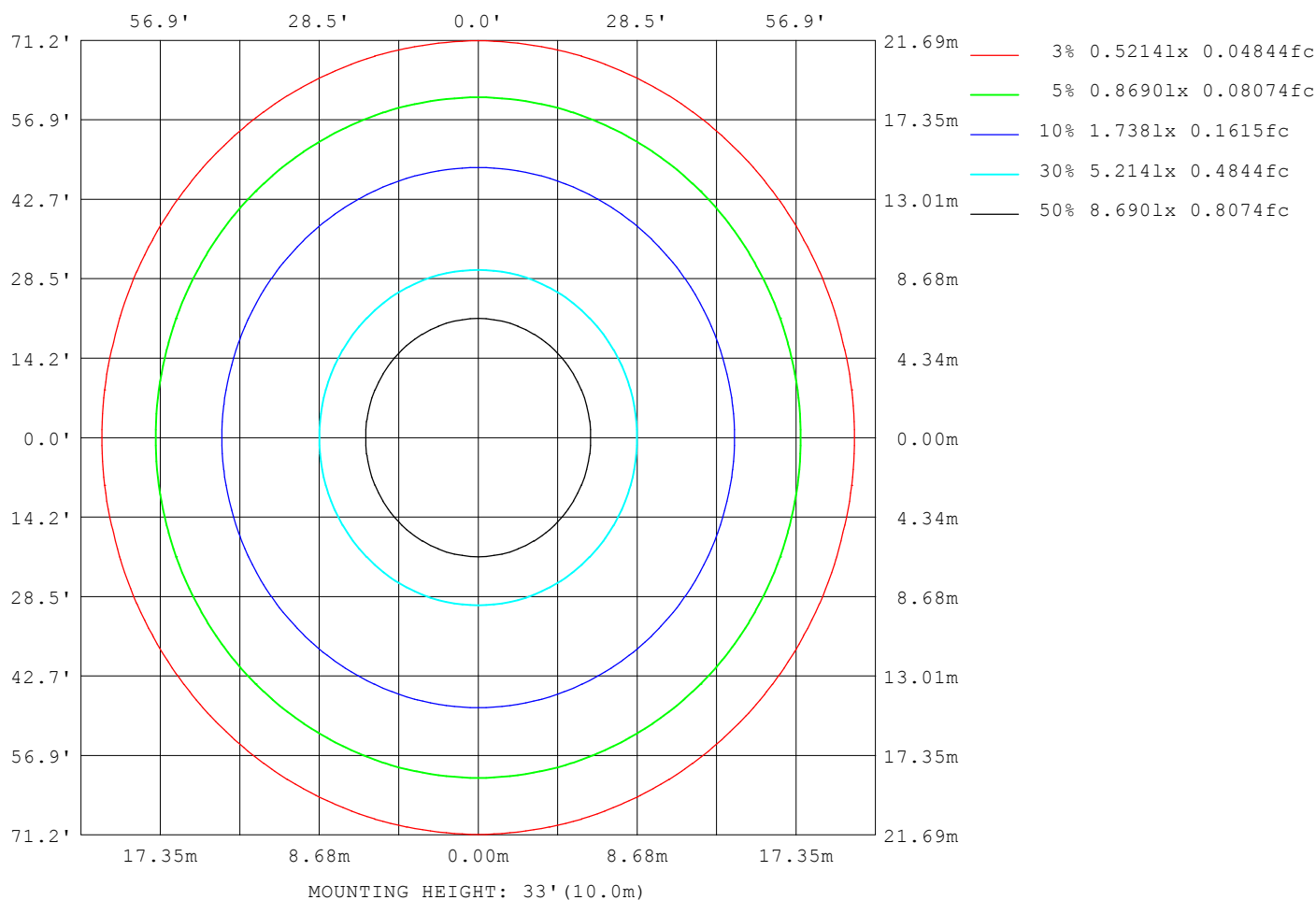
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K

ISOLUX DIAGRAM

Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm		
NAME: VLTG-2S-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:27.2°C
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K

LED Avg.L Report

Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm		
NAME: VLTG-2S-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:

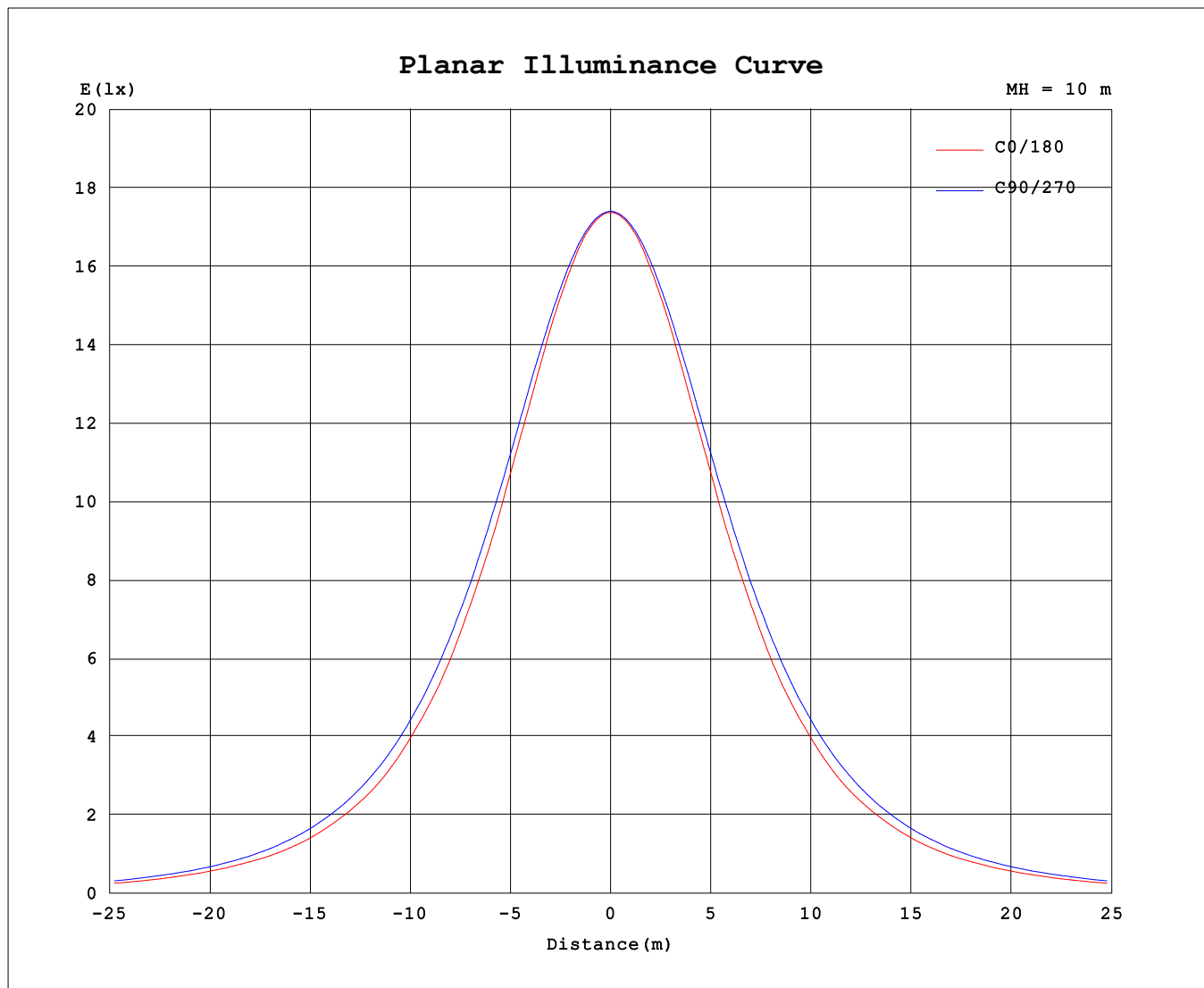
AvgL	cd/m2
L_0~180 (65) av	23784
L_0~180 (75) av	20806
L_0~180 (85) av	15274
L_90~270 (65) av	28696
L_90~270 (75) av	25443
L_90~270 (85) av	15611
L_45 (65) av	25983
L_45 (75) av	22795
L_45 (85) av	15662

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-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: 27.2°C
 Operators: Alan Wang
 Test Date: 2026-04-28

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
 Humidity: 45.1%
 Test Distance: 1.900m [K=1.0924]
 Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_350

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm		
NAME: VLTG-2S-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	1738	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1738	1740	1740	1740	1740	1740	1740
5	1729	1731	1732	1733	1733	1734	1734	1734	1733	1733	1732	1731	1729	1731	1732	1733	1733	1734	1734
10	1701	1704	1707	1710	1713	1715	1716	1715	1713	1710	1707	1704	1701	1704	1707	1710	1713	1715	1716
15	1658	1660	1666	1672	1679	1684	1685	1684	1679	1672	1666	1660	1658	1660	1666	1672	1679	1684	1685
20	1595	1601	1609	1620	1631	1640	1643	1640	1631	1620	1609	1601	1595	1601	1609	1620	1631	1640	1643
25	1525	1527	1539	1554	1572	1584	1588	1584	1572	1554	1539	1527	1525	1527	1539	1554	1572	1584	1588
30	1432	1442	1456	1478	1499	1516	1523	1516	1499	1478	1456	1442	1432	1442	1456	1478	1499	1516	1523
35	1341	1343	1362	1387	1415	1434	1441	1434	1415	1387	1362	1343	1341	1343	1362	1387	1415	1434	1441
40	1226	1238	1257	1287	1318	1343	1352	1343	1318	1287	1257	1238	1226	1238	1257	1287	1318	1343	1352
45	1120	1123	1146	1176	1211	1239	1249	1239	1211	1176	1146	1123	1120	1123	1146	1176	1211	1239	1249
50	991	1003	1024	1057	1094	1122	1135	1122	1094	1057	1024	1003	991	1003	1024	1057	1094	1122	1135
55	869	873	897	929	965	994	1006	994	965	929	897	873	869	873	897	929	965	994	1006
60	729	739	760	794	828	856	867	856	828	794	760	739	729	739	760	794	828	856	867
65	594	599	619	648	681	706	716	706	681	648	619	599	594	599	619	648	681	706	716
70	454	459	474	498	527	547	556	547	527	498	474	459	454	459	474	498	527	547	556
75	318	321	332	348	368	384	389	384	368	348	332	321	318	321	332	348	368	384	389
80	191	190	196	205	214	223	225	223	214	205	196	190	191	190	196	205	214	223	225
85	78.6	78.7	79.2	80.6	81.3	81.1	80.3	81.1	81.3	80.6	79.2	78.7	78.6	78.7	79.2	80.6	81.3	81.1	80.3
90	16.4	14.0	12.6	9.90	6.51	4.18	3.52	4.18	6.51	9.90	12.6	14.0	16.4	14.0	12.6	9.90	6.51	4.18	3.52
95	0.30	0.31	0.29	0.28	0.27	0.26	0.26	0.26	0.27	0.28	0.29	0.31	0.30	0.31	0.29	0.28	0.27	0.26	0.26
100	0.42	0.45	0.42	0.42	0.41	0.39	0.38	0.39	0.41	0.42	0.42	0.45	0.42	0.45	0.42	0.42	0.41	0.39	0.38
105	0.53	0.55	0.53	0.53	0.52	0.49	0.48	0.49	0.52	0.53	0.53	0.55	0.53	0.55	0.53	0.53	0.52	0.49	0.48
110	0.64	0.66	0.64	0.63	0.62	0.59	0.59	0.59	0.62	0.63	0.64	0.66	0.64	0.66	0.64	0.63	0.62	0.59	0.59
115	0.77	0.79	0.76	0.75	0.73	0.71	0.69	0.71	0.73	0.75	0.76	0.79	0.77	0.79	0.76	0.75	0.73	0.71	0.69
120	0.89	0.92	0.89	0.86	0.84	0.81	0.81	0.81	0.84	0.86	0.89	0.92	0.89	0.92	0.89	0.86	0.84	0.81	0.81
125	1.06	1.07	1.03	1.01	0.98	0.97	0.97	0.97	0.98	1.01	1.03	1.07	1.06	1.07	1.03	1.01	0.98	0.97	0.97
130	1.33	1.35	1.30	1.35	1.23	1.24	1.23	1.24	1.23	1.35	1.30	1.35	1.33	1.35	1.30	1.35	1.23	1.24	1.23
135	1.66	1.67	1.61	1.64	1.55	1.55	1.53	1.55	1.55	1.64	1.61	1.67	1.66	1.67	1.61	1.64	1.55	1.55	1.53
140	2.08	2.10	2.03	2.05	1.98	1.96	1.94	1.96	1.98	2.05	2.03	2.10	2.08	2.10	2.03	2.05	1.98	1.96	1.94
145	2.55	2.55	2.49	2.46	2.43	2.41	2.36	2.41	2.43	2.46	2.49	2.55	2.55	2.55	2.49	2.46	2.43	2.41	2.36
150	2.99	2.97	2.92	2.83	2.75	2.75	2.75	2.75	2.75	2.83	2.92	2.97	2.99	2.97	2.92	2.83	2.75	2.75	2.75
155	3.27	3.24	3.16	3.08	2.97	2.98	3.00	2.98	2.97	3.08	3.16	3.24	3.27	3.24	3.16	3.08	2.97	2.98	3.00
160	3.36	3.34	3.24	3.17	3.07	3.08	3.08	3.08	3.07	3.17	3.24	3.34	3.36	3.34	3.24	3.17	3.07	3.08	3.08
165	3.35	3.32	3.22	3.12	3.07	3.12	3.08	3.12	3.07	3.12	3.22	3.32	3.35	3.32	3.22	3.12	3.07	3.12	3.08
170	3.33	3.32	3.23	3.15	3.11	3.09	3.09	3.09	3.11	3.15	3.23	3.32	3.33	3.32	3.23	3.15	3.11	3.09	3.09
175	3.33	3.35	3.27	3.20	3.15	3.12	3.11	3.12	3.15	3.20	3.27	3.35	3.33	3.35	3.27	3.20	3.15	3.12	3.11
180	3.49	3.41	3.31	3.25	3.20	3.17	3.15	3.17	3.20	3.25	3.31	3.41	3.49	3.41	3.31	3.25	3.20	3.17	3.15

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_350

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.16V I:0.3201A P:38.225W PF:0.9937 Freq:60.01Hz Lamp Flux:5086.12x1 lm		
NAME: VLTG-2S-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	1740	1740	1740	1740	1740													
5	1734	1733	1733	1732	1731													
10	1715	1713	1710	1707	1704													
15	1684	1679	1672	1666	1660													
20	1640	1631	1620	1609	1601													
25	1584	1572	1554	1539	1527													
30	1516	1499	1478	1456	1442													
35	1434	1415	1387	1362	1343													
40	1343	1318	1287	1257	1238													
45	1239	1211	1176	1146	1123													
50	1122	1094	1057	1024	1003													
55	994	965	929	897	873													
60	856	828	794	760	739													
65	706	681	648	619	599													
70	547	527	498	474	459													
75	384	368	348	332	321													
80	223	214	205	196	190													
85	81.1	81.3	80.6	79.2	78.7													
90	4.18	6.51	9.90	12.6	14.0													
95	0.26	0.27	0.28	0.29	0.31													
100	0.39	0.41	0.42	0.42	0.45													
105	0.49	0.52	0.53	0.53	0.55													
110	0.59	0.62	0.63	0.64	0.66													
115	0.71	0.73	0.75	0.76	0.79													
120	0.81	0.84	0.86	0.89	0.92													
125	0.97	0.98	1.01	1.03	1.07													
130	1.24	1.23	1.35	1.30	1.35													
135	1.55	1.55	1.64	1.61	1.67													
140	1.96	1.98	2.05	2.03	2.10													
145	2.41	2.43	2.46	2.49	2.55													
150	2.75	2.75	2.83	2.92	2.97													
155	2.98	2.97	3.08	3.16	3.24													
160	3.08	3.07	3.17	3.24	3.34													
165	3.12	3.07	3.12	3.22	3.32													
170	3.09	3.11	3.15	3.23	3.32													
175	3.12	3.15	3.20	3.27	3.35													
180	3.17	3.20	3.25	3.31	3.41													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-28

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3500K