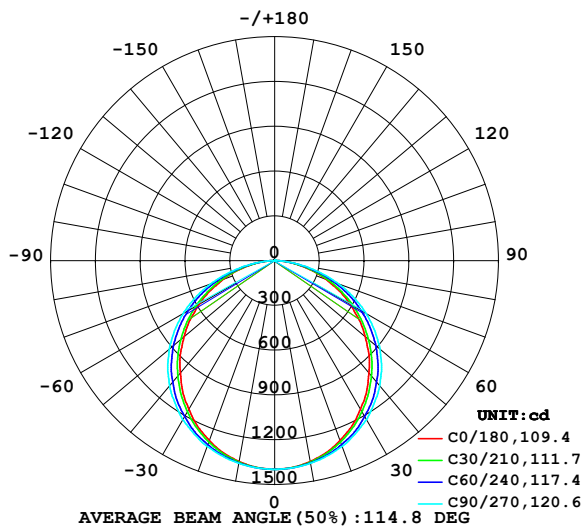


LUMINAIRE PHOTOMETRIC TEST REPORT

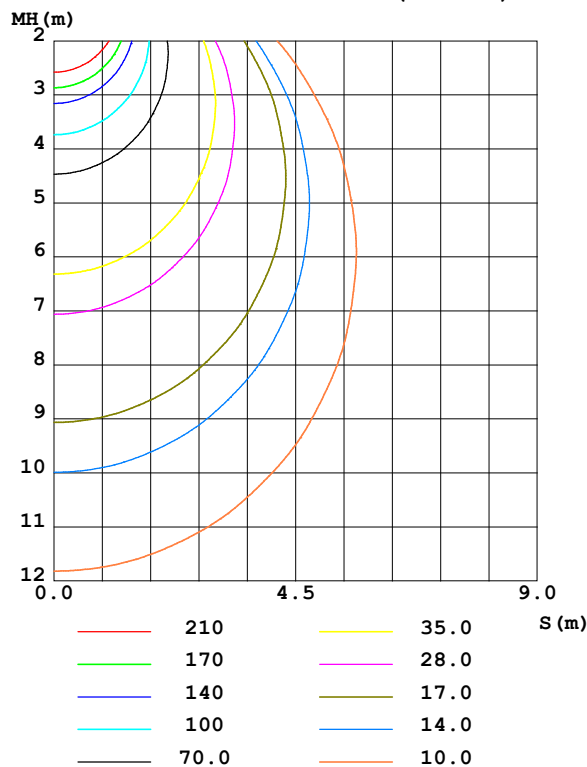
Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 133.03 lm/W
MODEL		Imax (cd)	1398	S/MH(C0/180)	1.23	
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.31	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4098.9	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	4098.95	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)	119.885	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:2026-04-29

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_80%_3500K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

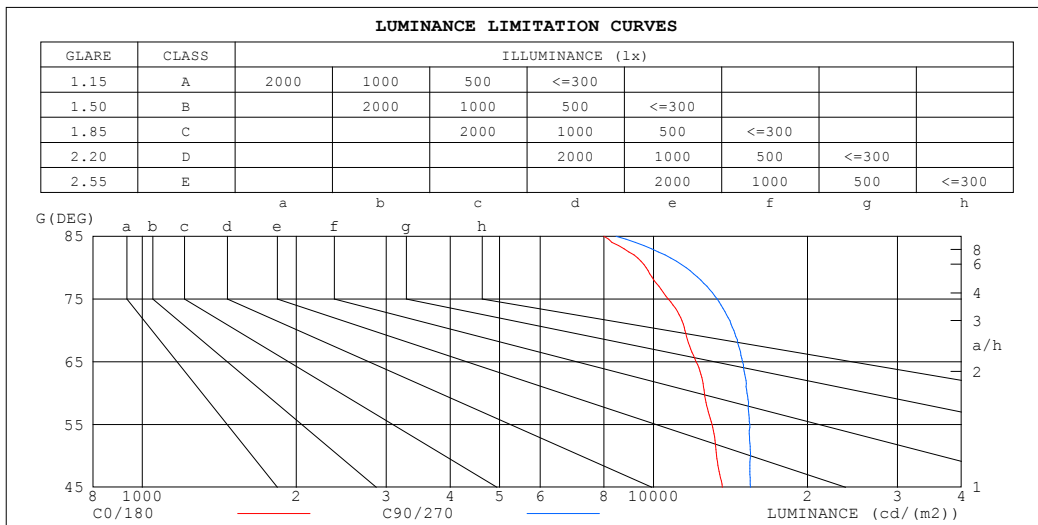
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1367	1374	1379	1374	1367	1374	1379	1374	0- 10	132.2	132.2	3.23,3.23
20	1281	1302	1323	1302	1281	1302	1323	1302	10- 20	379.2	511.4	12.5,12.5
30	1150	1190	1230	1190	1150	1190	1230	1190	20- 30	576.6	1088	26.5,26.5
40	983.0	1036	1095	1036	983.0	1036	1095	1036	30- 40	699.4	1787	43.6,43.6
50	791.8	851.4	922.7	851.4	791.8	851.4	922.7	851.4	40- 50	732.5	2520	61.5,61.5
60	582.8	637.3	706.7	637.3	582.8	637.3	706.7	637.3	50- 60	670.7	3191	77.8,77.8
70	365.3	402.8	455.1	402.8	365.3	402.8	455.1	402.8	60- 70	519.6	3710	90.5,90.5
80	155.6	168.2	186.4	168.2	155.6	168.2	186.4	168.2	70- 80	301.9	4012	97.9,97.9
90	10.24	6.339	3.317	6.339	10.24	6.339	3.317	6.339	80- 90	79.65	4092	99.8,99.8
100	0.3352	0.3296	0.3109	0.3296	0.3352	0.3296	0.3109	0.3296	90-100	1.060	4093	99.9,99.9
110	0.5077	0.4960	0.4682	0.4960	0.5077	0.4960	0.4682	0.4960	100-110	0.4379	4093	99.9,99.9
120	0.7171	0.6782	0.6392	0.6782	0.7171	0.6782	0.6392	0.6782	110-120	0.5819	4094	99.9,99.9
130	1.086	0.9955	0.9973	0.9955	1.086	0.9955	0.9973	0.9955	120-130	0.7342	4095	99.9,99.9
140	1.700	1.590	1.576	1.590	1.700	1.590	1.576	1.590	130-140	0.9948	4096	99.9,99.9
150	2.449	2.247	2.150	2.247	2.449	2.247	2.150	2.247	140-150	1.214	4097	99.9,99.9
160	2.743	2.496	2.414	2.496	2.743	2.496	2.414	2.496	150-160	1.130	4098	100,100
170	2.710	2.518	2.442	2.518	2.710	2.518	2.442	2.518	160-170	0.7194	4099	100,100
180	2.815	2.579	2.492	2.579	2.815	2.579	2.492	2.579	170-180	0.2446	4099	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:2026-04-29

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_80%_3500:

LUMINANCE LIMITATION CURVES

Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	7997	8443
80	9667	11576
75	10682	13314
70	11518	14350
65	12117	14928
60	12572	15244
55	13010	15423
50	13286	15482
45	13639	15468

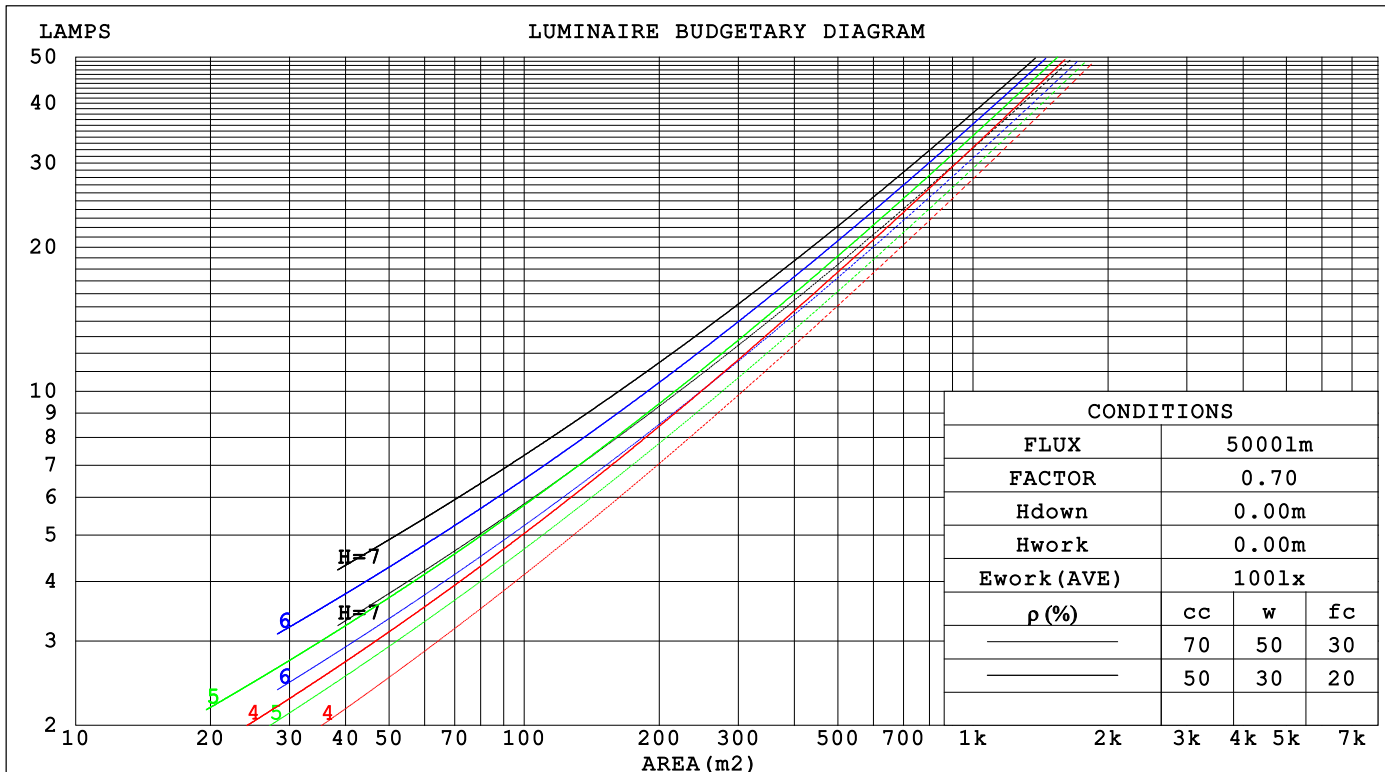
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-29

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_80%_3500K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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:2026-04-29

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_80%_3500K

WEC AND CCEC

Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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:2026-04-29

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_80%_3500

UGR(Unified Glare Rating) Table

Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm										
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	21.7	23.2	21.9	23.4	23.6	22.5	24.1	22.8	24.3	24.5
3H	23.2	24.6	23.5	24.8	25.1	24.2	25.6	24.5	25.9	26.1
4H	23.8	25.1	24.1	25.4	25.6	24.9	26.2	25.2	26.5	26.7
6H	24.2	25.4	24.5	25.7	26.0	25.3	26.6	25.7	26.9	27.2
8H	24.3	25.5	24.7	25.8	26.1	25.5	26.7	25.8	27.0	27.3
12H	24.4	25.6	24.7	25.9	26.2	25.5	26.7	25.9	27.0	27.3
4H 2H	22.4	23.8	22.7	24.0	24.3	23.1	24.4	23.4	24.7	24.9
3H	24.1	25.2	24.4	25.5	25.8	24.9	26.1	25.3	26.4	26.7
4H	24.8	25.8	25.1	26.2	26.5	25.7	26.8	26.1	27.1	27.5
6H	25.3	26.3	25.7	26.6	27.0	26.3	27.3	26.7	27.6	28.0
8H	25.5	26.4	25.9	26.7	27.1	26.5	27.4	26.9	27.8	28.1
12H	25.6	26.4	26.0	26.8	27.2	26.6	27.4	27.0	27.8	28.2
8H 4H	25.1	26.0	25.5	26.4	26.8	25.9	26.8	26.4	27.2	27.6
6H	25.8	26.5	26.2	26.9	27.4	26.7	27.4	27.1	27.8	28.3
8H	26.0	26.7	26.5	27.1	27.6	26.9	27.6	27.4	28.0	28.5
12H	26.2	26.8	26.7	27.2	27.7	27.1	27.7	27.6	28.1	28.6
12H 4H	25.1	25.9	25.6	26.3	26.7	25.9	26.8	26.4	27.2	27.6
6H	25.9	26.5	26.3	26.9	27.4	26.7	27.4	27.2	27.8	28.3
8H	26.1	26.7	26.6	27.2	27.6	27.0	27.6	27.5	28.0	28.5
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, 4099 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.9)
Area: 0.09272 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-29

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_80%_3500K

UTILIZATION FACTORS TABLE

Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

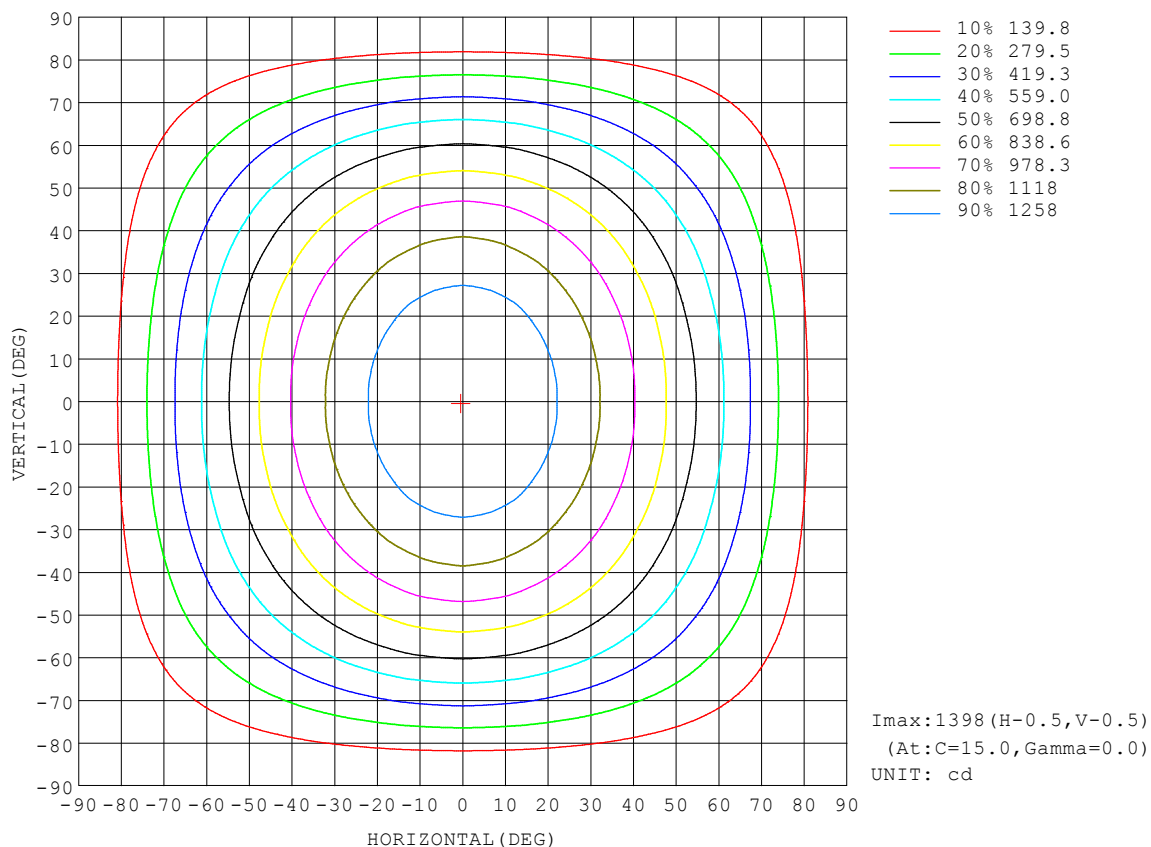
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	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	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: 2026-04-29

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_80%_3500K

ISOCANDELA DIAGRAM

Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

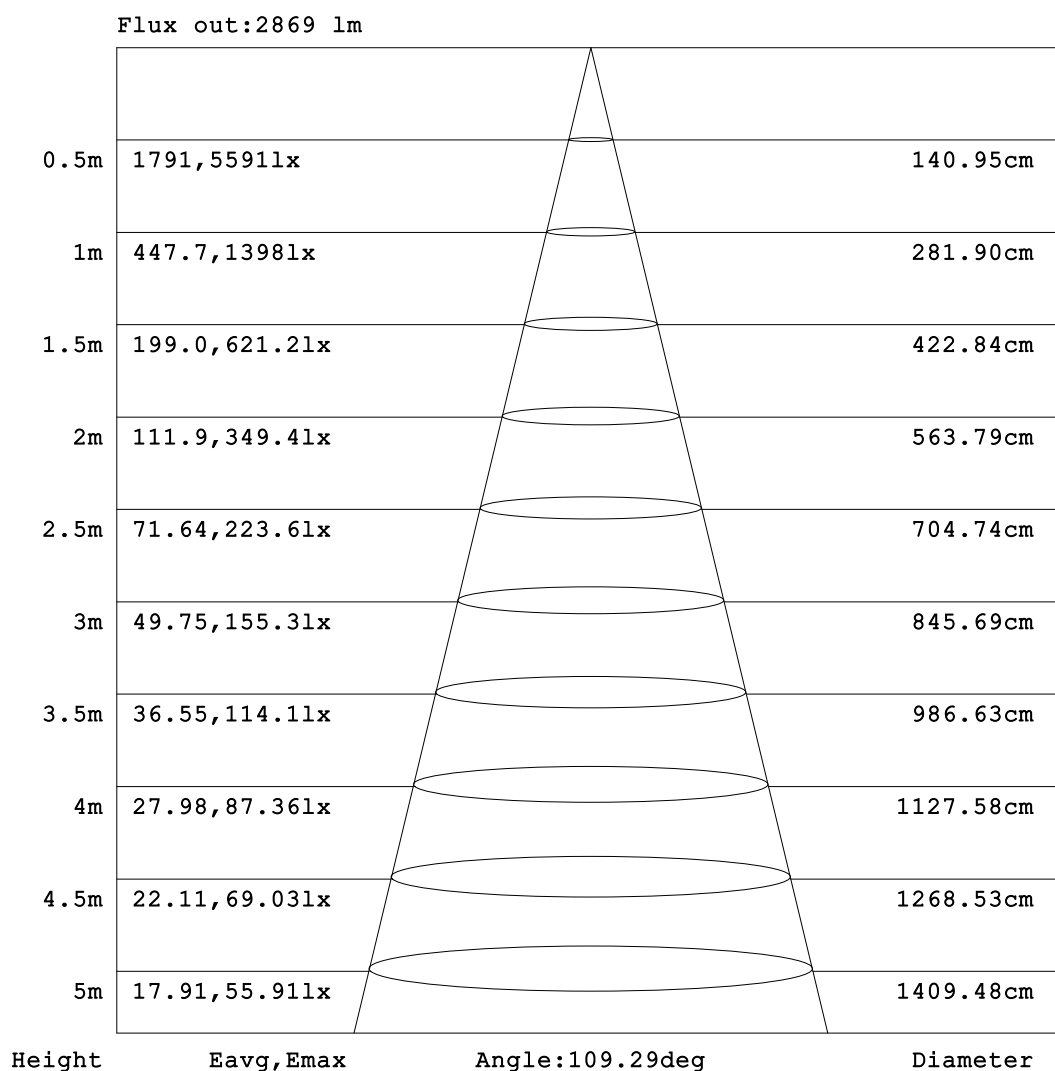


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1°C
Operators:Alan Wang
Test Date:2026-04-29

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_80%_3500K

AAI Figure

Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



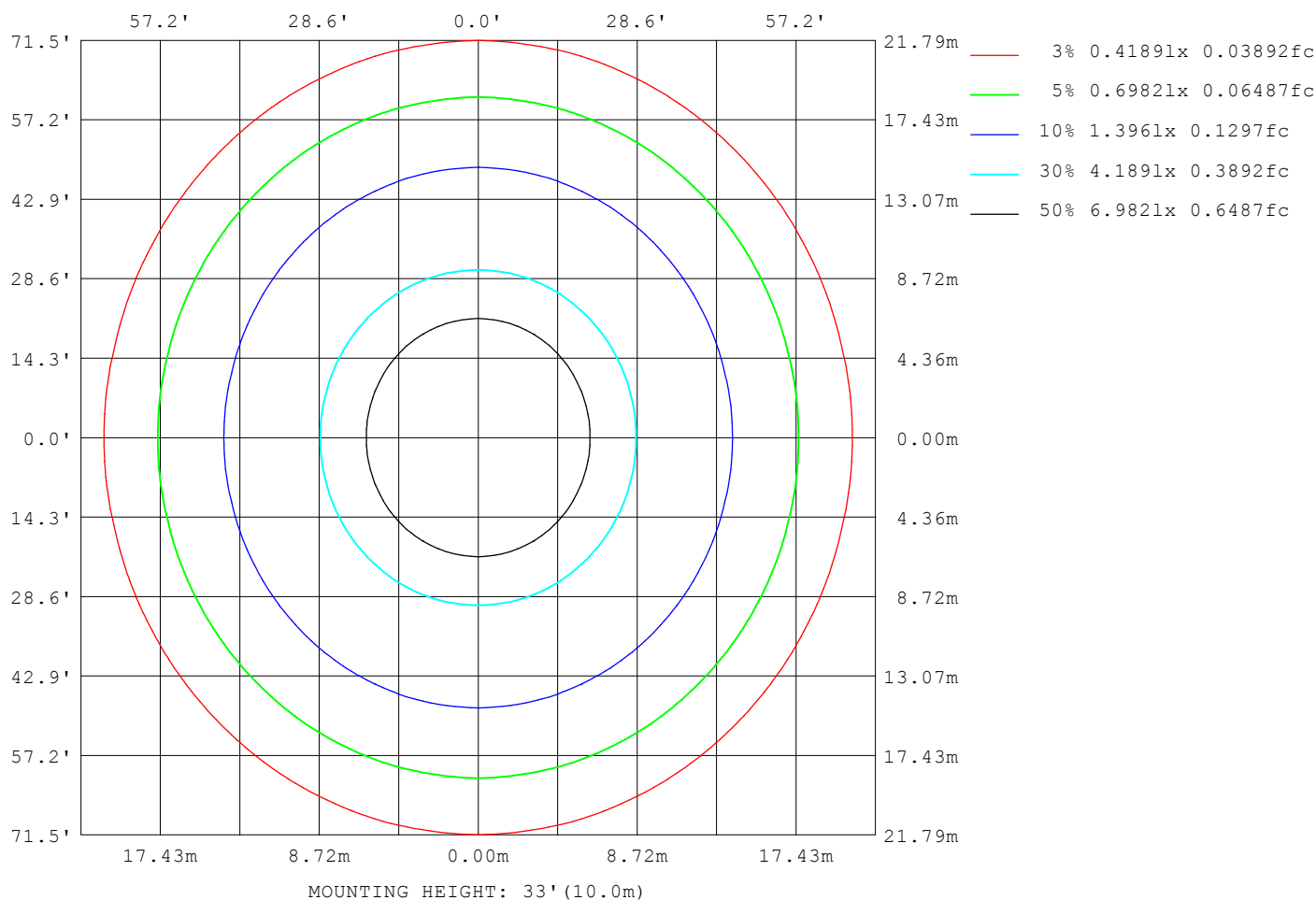
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1°C
Operators:Alan Wang
Test Date:2026-04-29

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_80%_3500K

ISOLUX DIAGRAM

Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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:2026-04-29

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_80%_3500K

LED Avg.L Report

Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

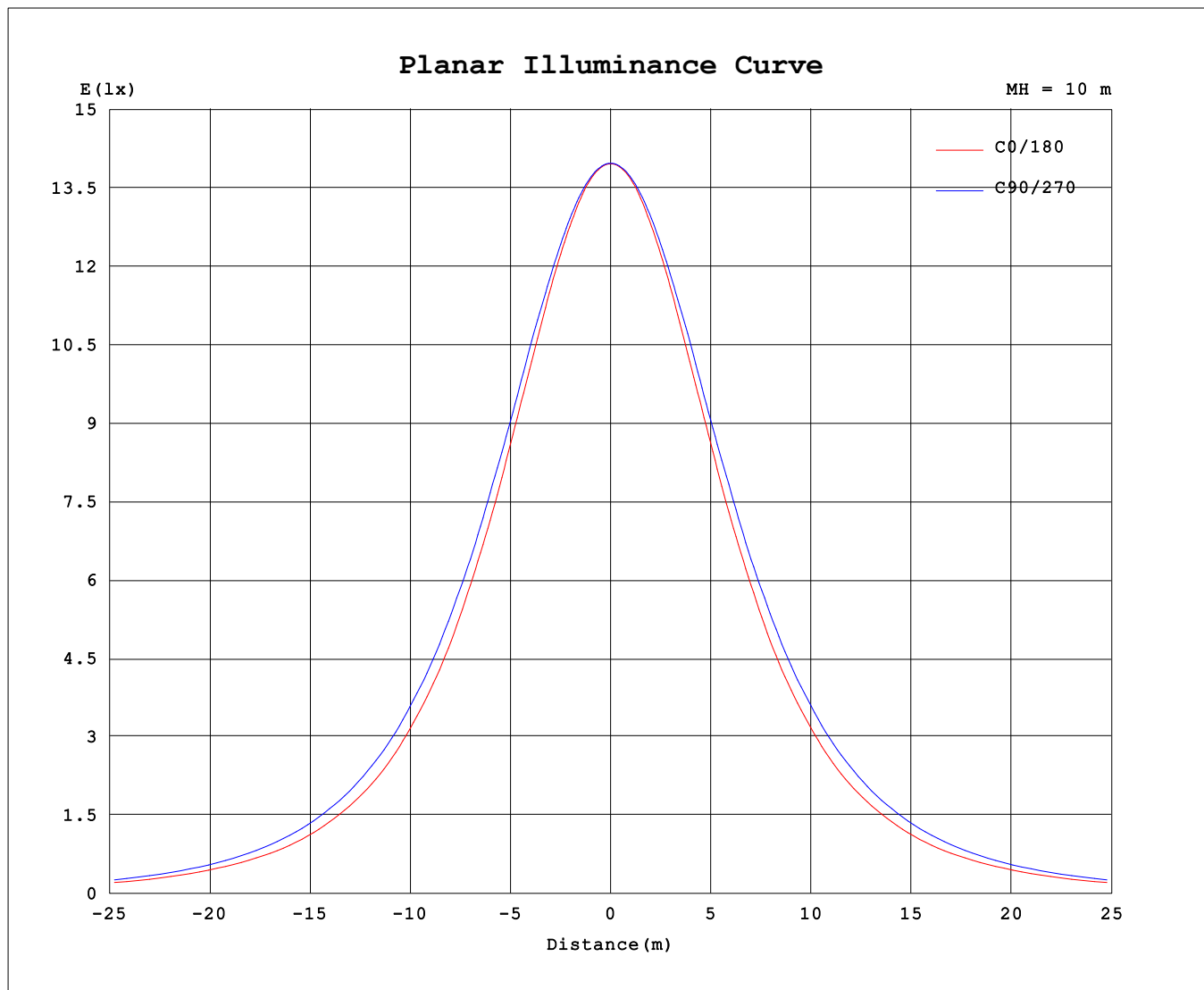
AvgL	cd/m2
L_0~180 (65) av	12117
L_0~180 (75) av	10682
L_0~180 (85) av	7997
L_90~270 (65) av	14928
L_90~270 (75) av	13314
L_90~270 (85) av	8443
L_45 (65) av	13317
L_45 (75) av	11807
L_45 (85) av	8259

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-29

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_80%_3500K

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 26.1°C
 Operators: Alan Wang
 Test Date: 2026-04-29

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_80%_3500l

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	1396	1398	1398	1398	1398	1398	1397	1398	1398	1398	1398	1398	1396	1398	1398	1398	1398	1398	1397
5	1390	1390	1391	1392	1392	1393	1393	1393	1392	1392	1391	1390	1390	1390	1391	1392	1392	1393	1393
10	1367	1369	1371	1374	1376	1378	1379	1378	1376	1374	1371	1369	1367	1369	1371	1374	1376	1378	1379
15	1332	1333	1338	1343	1349	1354	1355	1354	1349	1343	1338	1333	1332	1333	1338	1343	1349	1354	1355
20	1281	1286	1292	1302	1312	1320	1323	1320	1312	1302	1292	1286	1281	1286	1292	1302	1312	1320	1323
25	1224	1225	1236	1249	1267	1276	1279	1276	1267	1249	1236	1225	1224	1225	1236	1249	1267	1276	1279
30	1150	1157	1169	1190	1207	1223	1230	1223	1207	1190	1169	1157	1150	1157	1169	1190	1207	1223	1230
35	1074	1077	1094	1116	1143	1158	1165	1158	1143	1116	1094	1077	1074	1077	1094	1116	1143	1158	1165
40	983	992	1009	1036	1063	1087	1095	1087	1063	1036	1009	992	983	992	1009	1036	1063	1087	1095
45	894	898	920	947	979	1004	1014	1004	979	947	920	898	894	898	920	947	979	1004	1014
50	792	801	820	851	885	910	923	910	885	851	820	801	792	801	820	851	885	910	923
55	692	696	717	747	782	807	820	807	782	747	717	696	692	696	717	747	782	807	820
60	583	590	608	637	670	697	707	697	670	637	608	590	583	590	608	637	670	697	707
65	475	480	497	522	551	575	585	575	551	522	497	480	475	480	497	522	551	575	585
70	365	369	382	403	427	447	455	447	427	403	382	369	365	369	382	403	427	447	455
75	256	260	269	283	300	314	320	314	300	283	269	260	256	260	269	283	300	314	320
80	156	155	161	168	177	184	186	184	177	168	161	155	156	155	161	168	177	184	186
85	64.6	63.6	64.8	66.7	68.2	68.7	68.2	68.7	68.2	66.7	64.8	63.6	64.6	63.6	64.8	66.7	68.2	68.7	68.2
90	10.2	9.18	7.95	6.34	4.20	2.97	3.32	2.97	4.20	6.34	7.95	9.18	10.2	9.18	7.95	6.34	4.20	2.97	3.32
95	0.26	0.24	0.21	0.21	0.20	0.20	0.19	0.20	0.20	0.21	0.21	0.24	0.26	0.24	0.21	0.21	0.20	0.20	0.19
100	0.34	0.35	0.33	0.33	0.32	0.31	0.31	0.31	0.32	0.33	0.33	0.35	0.34	0.35	0.33	0.33	0.32	0.31	0.31
105	0.42	0.43	0.41	0.41	0.41	0.40	0.39	0.40	0.41	0.41	0.41	0.43	0.42	0.43	0.41	0.41	0.41	0.40	0.39
110	0.51	0.52	0.50	0.50	0.49	0.48	0.47	0.48	0.49	0.50	0.50	0.52	0.51	0.52	0.50	0.50	0.49	0.48	0.47
115	0.61	0.62	0.59	0.59	0.58	0.57	0.55	0.57	0.58	0.59	0.59	0.62	0.61	0.62	0.59	0.59	0.58	0.57	0.55
120	0.72	0.73	0.70	0.68	0.66	0.64	0.64	0.64	0.66	0.68	0.70	0.73	0.72	0.73	0.70	0.68	0.66	0.64	0.64
125	0.86	0.86	0.82	0.79	0.78	0.78	0.77	0.78	0.78	0.79	0.82	0.86	0.86	0.86	0.82	0.79	0.78	0.78	0.77
130	1.09	1.08	1.03	1.00	0.99	0.99	1.00	0.99	0.99	1.00	1.03	1.08	1.09	1.08	1.03	1.00	0.99	0.99	1.00
135	1.35	1.35	1.28	1.24	1.23	1.23	1.28	1.23	1.23	1.24	1.28	1.35	1.35	1.35	1.28	1.24	1.23	1.23	1.28
140	1.70	1.69	1.62	1.59	1.56	1.55	1.58	1.55	1.56	1.59	1.62	1.69	1.70	1.69	1.62	1.59	1.56	1.55	1.58
145	2.09	2.06	2.01	1.94	1.90	1.88	1.85	1.88	1.90	1.94	2.01	2.06	2.09	2.06	2.01	1.94	1.90	1.88	1.85
150	2.45	2.40	2.33	2.25	2.19	2.17	2.15	2.17	2.19	2.25	2.33	2.40	2.45	2.40	2.33	2.25	2.19	2.17	2.15
155	2.67	2.61	2.53	2.45	2.35	2.36	2.34	2.36	2.35	2.45	2.53	2.61	2.67	2.61	2.53	2.45	2.35	2.36	2.34
160	2.74	2.69	2.59	2.50	2.44	2.43	2.41	2.43	2.44	2.50	2.59	2.69	2.74	2.69	2.59	2.50	2.44	2.43	2.41
165	2.73	2.68	2.58	2.48	2.44	2.43	2.42	2.43	2.44	2.48	2.58	2.68	2.73	2.68	2.58	2.48	2.44	2.43	2.42
170	2.71	2.68	2.60	2.52	2.48	2.45	2.44	2.45	2.48	2.52	2.60	2.68	2.71	2.68	2.60	2.52	2.48	2.45	2.44
175	2.70	2.69	2.61	2.54	2.50	2.47	2.46	2.47	2.50	2.54	2.61	2.69	2.70	2.69	2.61	2.54	2.50	2.47	2.46
180	2.81	2.73	2.64	2.58	2.54	2.50	2.49	2.50	2.54	2.58	2.64	2.73	2.81	2.73	2.64	2.58	2.54	2.50	2.49

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-29

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_80%_3500K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.01V I:0.2585A P:30.811W PF:0.9933 Freq:60.01Hz Lamp Flux:4098.95x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	1398	1398	1398	1398	1398													
5	1393	1392	1392	1391	1390													
10	1378	1376	1374	1371	1369													
15	1354	1349	1343	1338	1333													
20	1320	1312	1302	1292	1286													
25	1276	1267	1249	1236	1225													
30	1223	1207	1190	1169	1157													
35	1158	1143	1116	1094	1077													
40	1087	1063	1036	1009	992													
45	1004	979	947	920	898													
50	910	885	851	820	801													
55	807	782	747	717	696													
60	697	670	637	608	590													
65	575	551	522	497	480													
70	447	427	403	382	369													
75	314	300	283	269	260													
80	184	177	168	161	155													
85	68.7	68.2	66.7	64.8	63.6													
90	2.97	4.20	6.34	7.95	9.18													
95	0.20	0.20	0.21	0.21	0.24													
100	0.31	0.32	0.33	0.33	0.35													
105	0.40	0.41	0.41	0.41	0.43													
110	0.48	0.49	0.50	0.50	0.52													
115	0.57	0.58	0.59	0.59	0.62													
120	0.64	0.66	0.68	0.70	0.73													
125	0.78	0.78	0.79	0.82	0.86													
130	0.99	0.99	1.00	1.03	1.08													
135	1.23	1.23	1.24	1.28	1.35													
140	1.55	1.56	1.59	1.62	1.69													
145	1.88	1.90	1.94	2.01	2.06													
150	2.17	2.19	2.25	2.33	2.40													
155	2.36	2.35	2.45	2.53	2.61													
160	2.43	2.44	2.50	2.59	2.69													
165	2.43	2.44	2.48	2.58	2.68													
170	2.45	2.48	2.52	2.60	2.68													
175	2.47	2.50	2.54	2.61	2.69													
180	2.50	2.54	2.58	2.64	2.73													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-29

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_80%_3500: