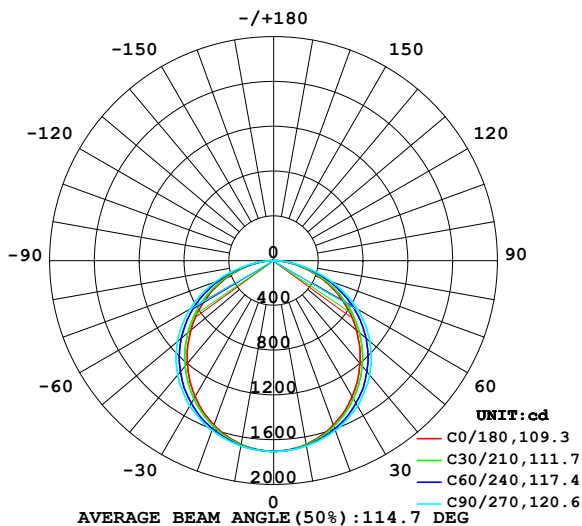


LUMINAIRE PHOTOMETRIC TEST REPORT

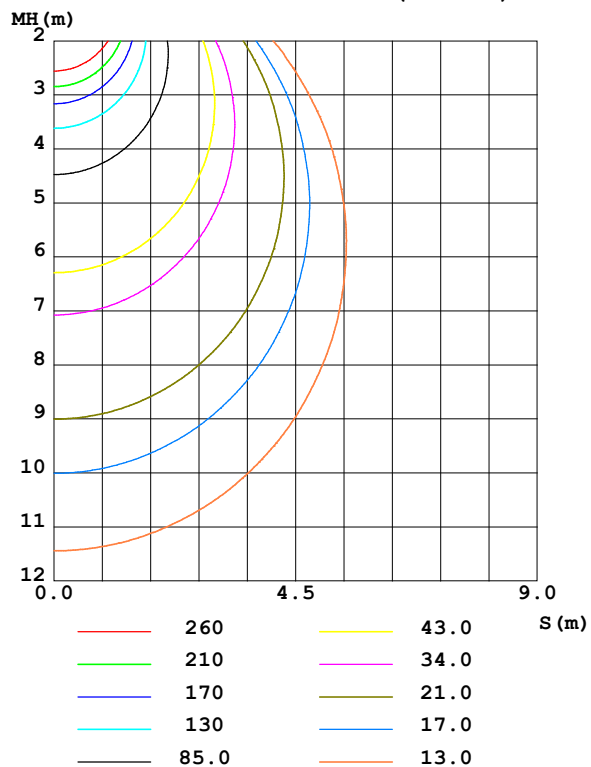
Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.55 lm/W			
MODEL		I _{max} (cd)	1704	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)	4993.6	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	4993.56	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%_3000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

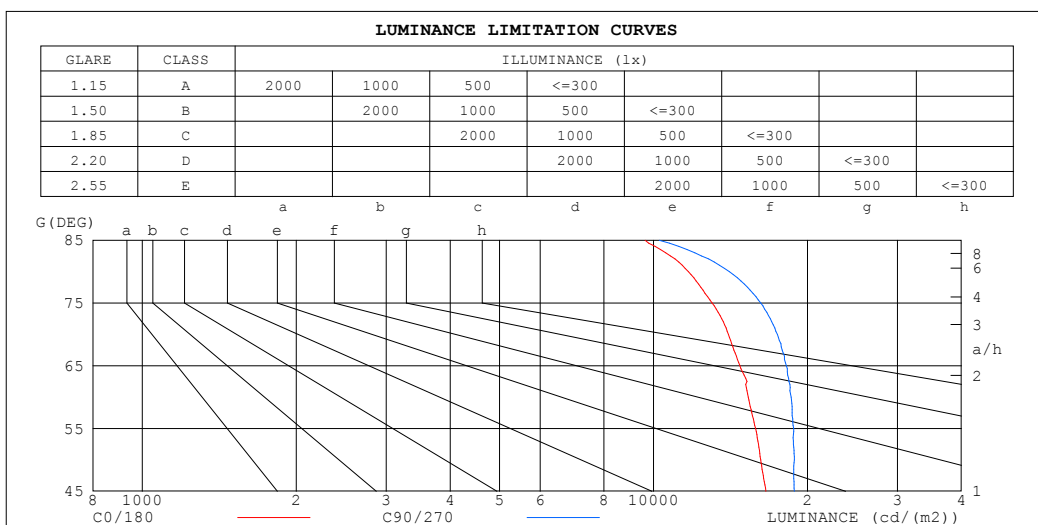
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1666	1674	1680	1674	1666	1674	1680	1674	0- 10	161.2	161.2	3.23,3.23
20	1562	1587	1612	1587	1562	1587	1612	1587	10- 20	462.1	623.3	12.5,12.5
30	1402	1449	1500	1449	1402	1449	1500	1449	20- 30	702.6	1326	26.6,26.6
40	1199	1262	1334	1262	1199	1262	1334	1262	30- 40	852.2	2178	43.6,43.6
50	965.4	1037	1124	1037	965.4	1037	1124	1037	40- 50	892.5	3071	61.5,61.5
60	710.3	776.5	861.5	776.5	710.3	776.5	861.5	776.5	50- 60	817.2	3888	77.9,77.9
70	444.1	490.2	554.2	490.2	444.1	490.2	554.2	490.2	60- 70	632.9	4521	90.5,90.5
80	188.4	205.0	226.5	205.0	188.4	205.0	226.5	205.0	70- 80	367.3	4888	97.9,97.9
90	12.99	7.903	2.805	7.903	12.99	7.903	2.805	7.903	80- 90	96.84	4985	99.8,99.8
100	0.4053	0.3993	0.3767	0.3993	0.4053	0.3993	0.3767	0.3993	90-100	1.279	4986	99.9,99.9
110	0.6158	0.6023	0.5695	0.6023	0.6158	0.6023	0.5695	0.6023	100-110	0.5311	4987	99.9,99.9
120	0.8727	0.8265	0.7778	0.8265	0.8727	0.8265	0.7778	0.8265	110-120	0.7080	4987	99.9,99.9
130	1.325	1.213	1.182	1.213	1.325	1.213	1.182	1.213	120-130	0.8942	4988	99.9,99.9
140	2.075	1.938	1.858	1.938	2.075	1.938	1.858	1.938	130-140	1.208	4990	99.9,99.9
150	2.987	2.741	2.621	2.741	2.987	2.741	2.621	2.741	140-150	1.479	4991	99.9,99.9
160	3.348	3.045	2.940	3.045	3.348	3.045	2.940	3.045	150-160	1.378	4992	100,100
170	3.304	3.072	2.979	3.072	3.304	3.072	2.979	3.072	160-170	0.8776	4993	100,100
180	3.426	3.143	3.037	3.143	3.426	3.143	3.037	3.143	170-180	0.2982	4994	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%_300

LUMINANCE LIMITATION CURVES

Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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	9634	10257
80	11700	14065
75	13023	16198
70	14003	17476
65	14749	18178
60	15321	18582
55	15827	18795
50	16198	18853
45	16592	18851

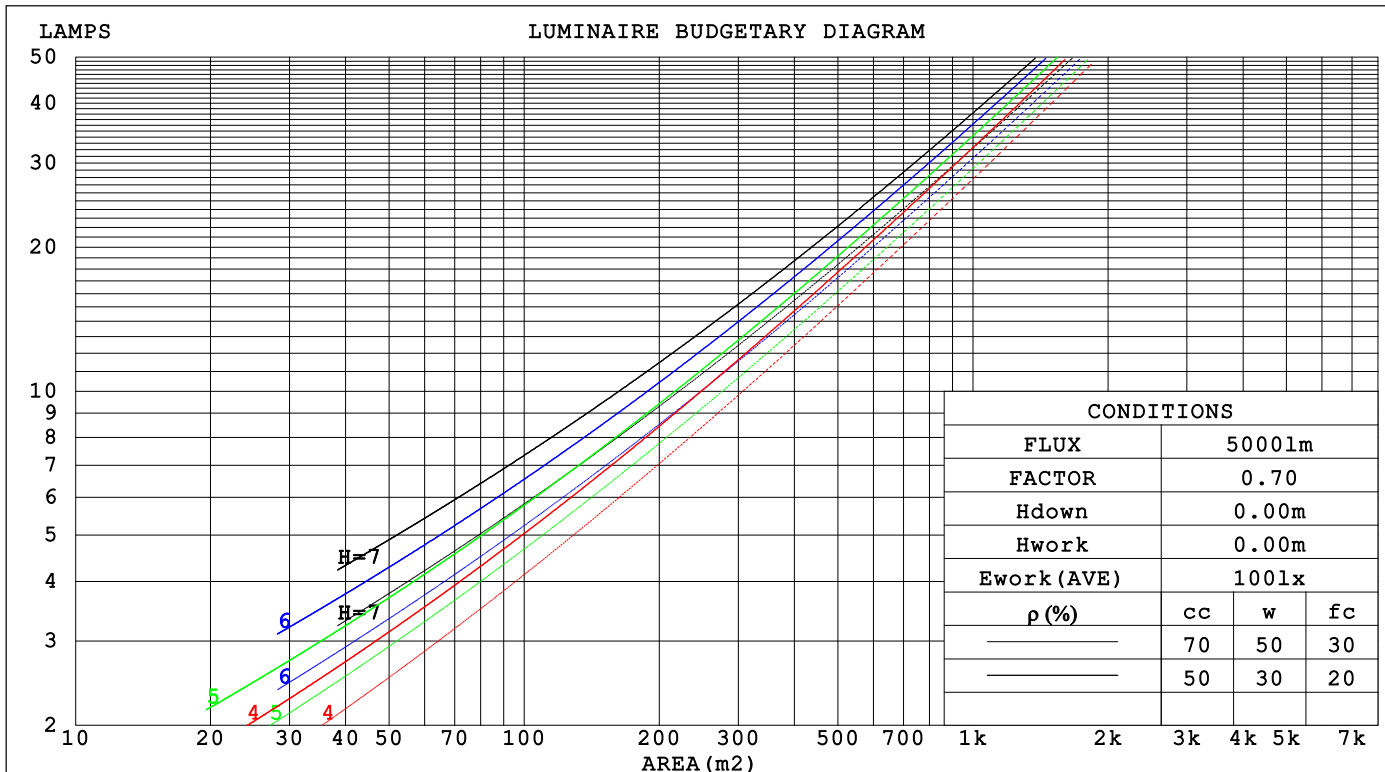
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

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%_3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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
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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%_3000K

WEC AND CCEC

Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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	.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	.229	.123	.037	.220	.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	.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	.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%_300

UGR(Unified Glare Rating) Table

Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm										
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K					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	23.9	22.6	24.1	24.3	23.2	24.8	23.5	25.0	25.2
3H	23.8	25.3	24.1	25.5	25.7	24.9	26.3	25.2	26.5	26.8
4H	24.4	25.8	24.8	26.0	26.3	25.6	26.9	25.9	27.2	27.4
6H	24.9	26.1	25.2	26.4	26.7	26.0	27.3	26.3	27.6	27.8
8H	25.0	26.2	25.3	26.5	26.8	26.1	27.4	26.5	27.7	27.9
12H	25.1	26.2	25.4	26.5	26.8	26.2	27.4	26.5	27.7	28.0
4H 2H	23.1	24.4	23.4	24.7	25.0	23.7	25.1	24.1	25.4	25.6
3H	24.7	25.9	25.1	26.2	26.5	25.6	26.8	26.0	27.1	27.4
4H	25.4	26.5	25.8	26.9	27.2	26.4	27.5	26.8	27.8	28.1
6H	26.0	26.9	26.4	27.3	27.7	27.0	28.0	27.4	28.3	28.7
8H	26.2	27.1	26.6	27.4	27.8	27.2	28.1	27.6	28.4	28.8
12H	26.3	27.1	26.7	27.5	27.9	27.3	28.1	27.7	28.5	28.9
8H 4H	25.8	26.7	26.2	27.0	27.4	26.6	27.5	27.0	27.9	28.3
6H	26.5	27.2	26.9	27.6	28.0	27.4	28.1	27.8	28.5	28.9
8H	26.7	27.4	27.2	27.8	28.3	27.6	28.3	28.1	28.7	29.2
12H	26.9	27.5	27.4	27.9	28.4	27.8	28.3	28.3	28.8	29.3
12H 4H	25.8	26.6	26.2	27.0	27.4	26.6	27.4	27.1	27.8	28.2
6H	26.5	27.2	27.0	27.6	28.1	27.4	28.1	27.9	28.5	28.9
8H	26.8	27.4	27.3	27.8	28.3	27.7	28.3	28.2	28.7	29.2
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, 4994 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.6)
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%_3000K

UTILIZATION FACTORS TABLE

Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

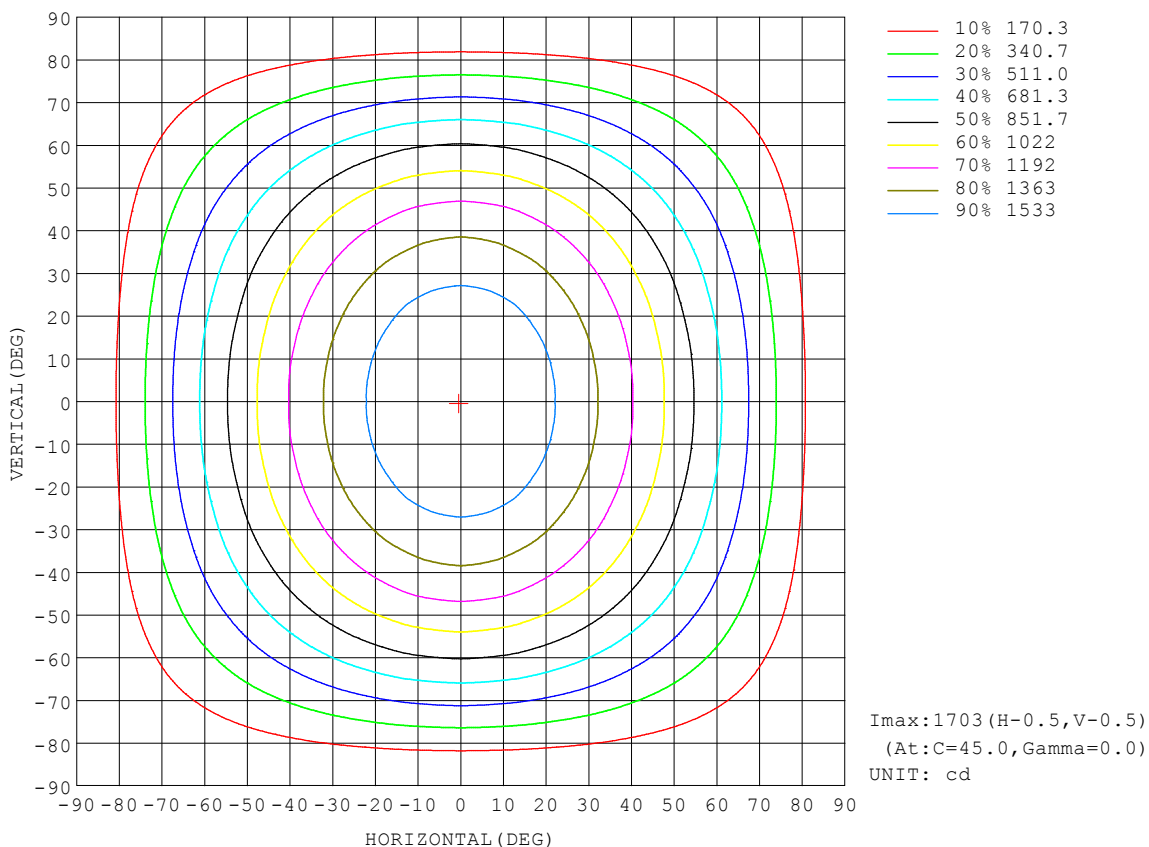
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	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	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%_3000K

ISOCANDELA DIAGRAM

Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

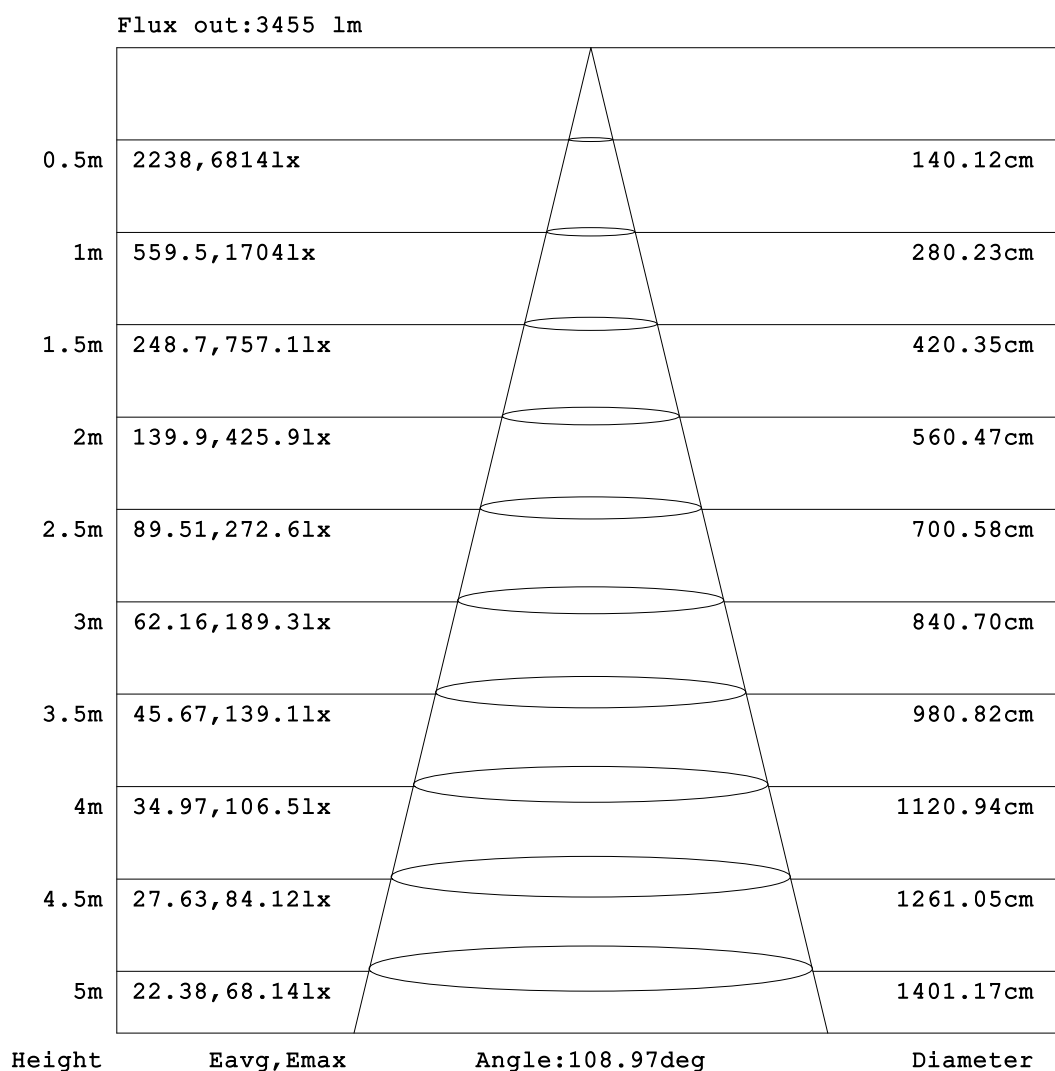


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1°C
Operators:Alan Wang
Test Date:2026-04-30

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%_3000K

AAI Figure

Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



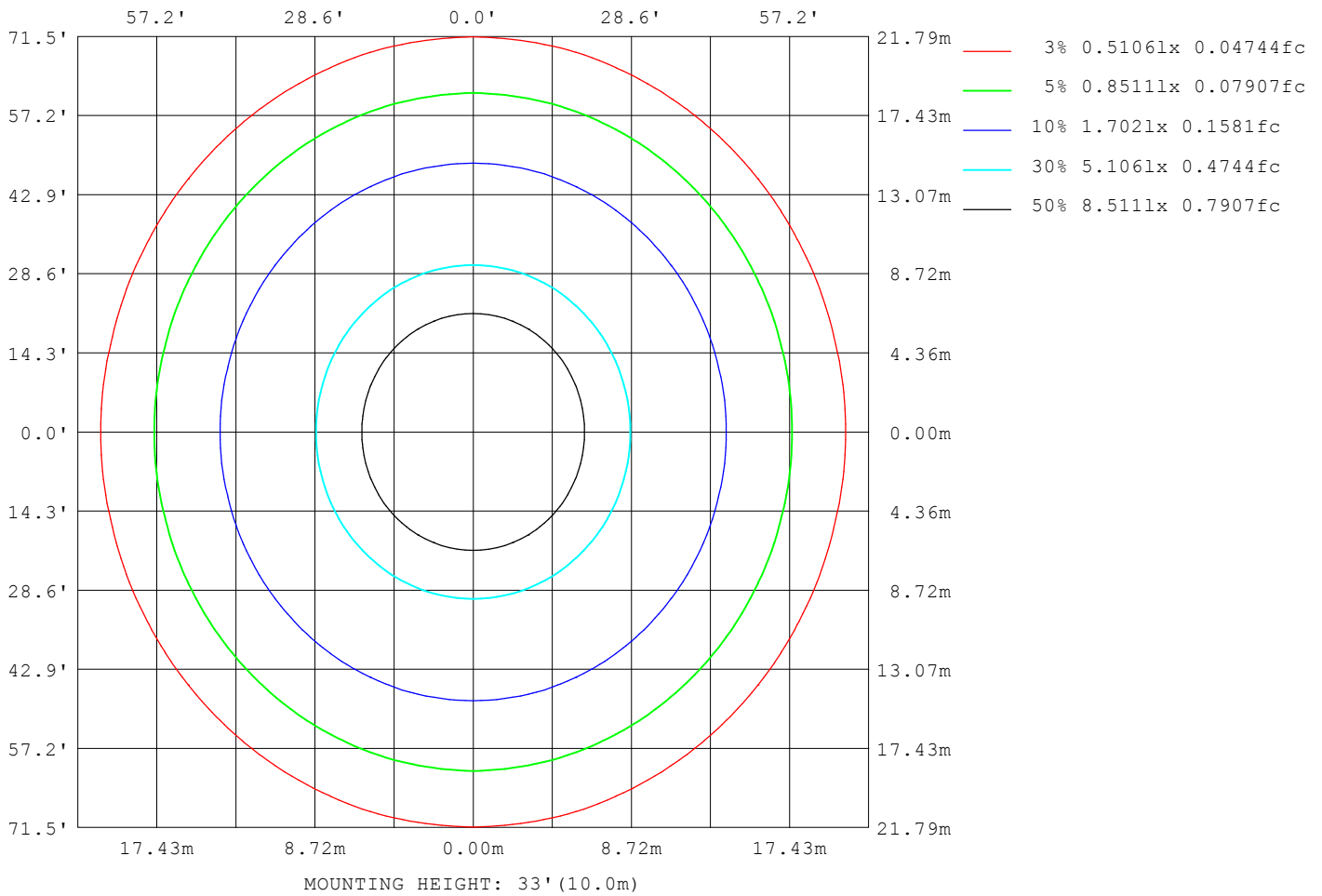
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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%_3000K

ISOLUX DIAGRAM

Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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%_3000K

LED Avg.L Report

Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

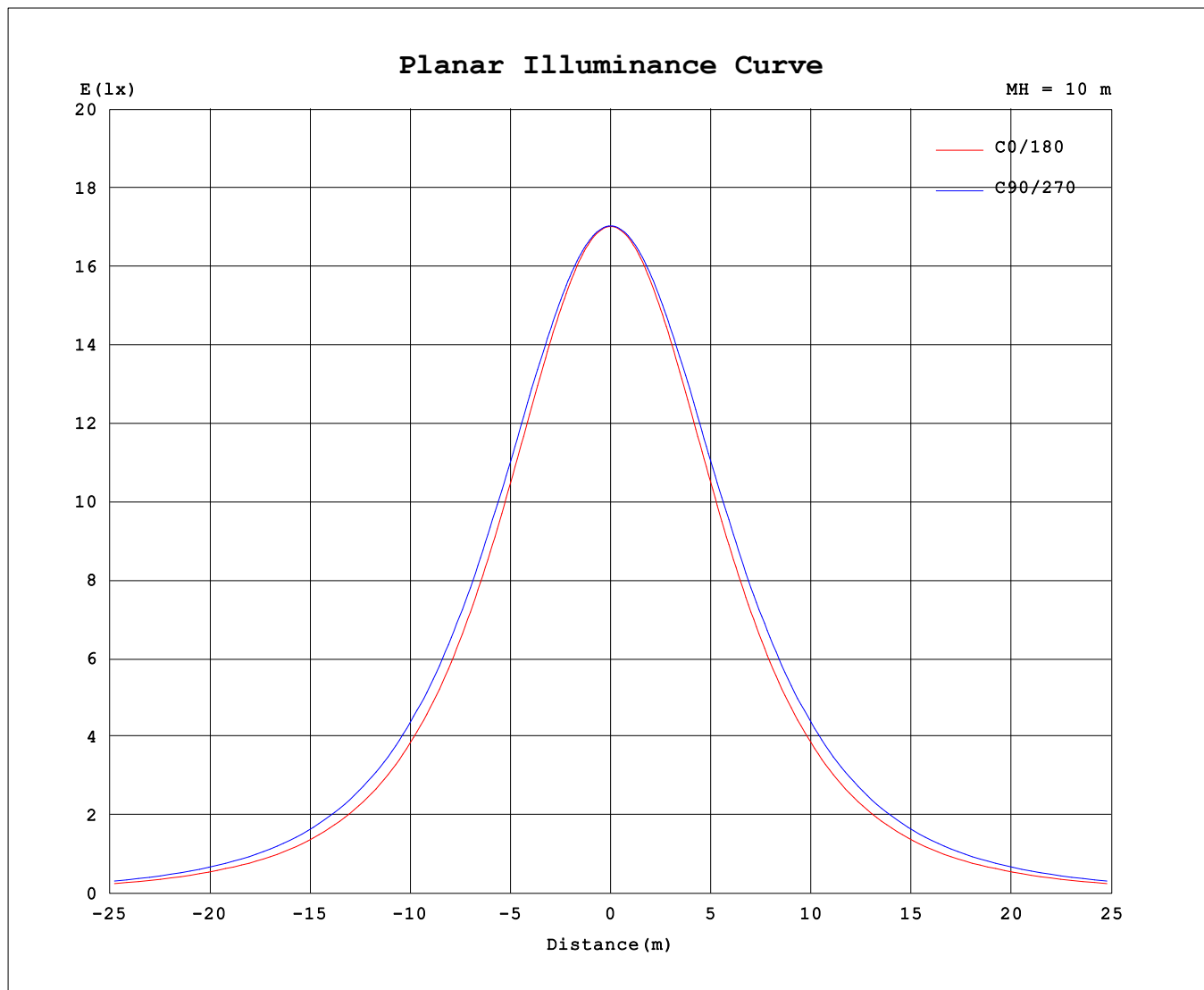
AvgL	cd/m2
L_0~180 (65) av	14749
L_0~180 (75) av	13023
L_0~180 (85) av	9634
L_90~270 (65) av	18178
L_90~270 (75) av	16198
L_90~270 (85) av	10257
L_45 (65) av	16214
L_45 (75) av	14362
L_45 (85) av	10014

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%_3000K

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%_300

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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	1702	1703	1704	1704	1704	1703	1703	1703	1704	1704	1704	1703	1702	1703	1704	1704	1704	1703	1703
5	1693	1695	1695	1696	1697	1697	1698	1697	1697	1696	1695	1695	1693	1695	1695	1696	1697	1697	1698
10	1666	1668	1671	1674	1677	1680	1680	1680	1677	1674	1671	1668	1666	1668	1671	1674	1677	1680	1680
15	1622	1625	1630	1637	1645	1650	1652	1650	1645	1637	1630	1625	1622	1625	1630	1637	1645	1650	1652
20	1562	1567	1575	1587	1598	1608	1612	1608	1598	1587	1575	1567	1562	1567	1575	1587	1598	1608	1612
25	1490	1494	1507	1523	1544	1555	1559	1555	1544	1523	1507	1494	1490	1494	1507	1523	1544	1555	1559
30	1402	1409	1425	1449	1471	1491	1500	1491	1471	1449	1425	1409	1402	1409	1425	1449	1471	1491	1500
35	1307	1313	1333	1360	1393	1411	1420	1411	1393	1360	1333	1313	1307	1313	1333	1360	1393	1411	1420
40	1199	1208	1230	1262	1295	1325	1334	1325	1295	1262	1230	1208	1199	1208	1230	1262	1295	1325	1334
45	1088	1095	1120	1154	1193	1223	1236	1223	1193	1154	1120	1095	1088	1095	1120	1154	1193	1223	1236
50	965	975	1000	1037	1078	1108	1124	1108	1078	1037	1000	975	965	975	1000	1037	1078	1108	1124
55	842	849	874	910	952	984	1000	984	952	910	874	849	842	849	874	910	952	984	1000
60	710	718	741	776	816	849	861	849	816	776	741	718	710	718	741	776	816	849	861
65	578	584	604	635	671	702	712	702	671	635	604	584	578	584	604	635	671	702	712
70	444	449	465	490	519	544	554	544	519	490	465	449	444	449	465	490	519	544	554
75	313	316	327	345	365	382	389	382	365	345	327	316	313	316	327	345	365	382	389
80	188	189	195	205	215	223	226	223	215	205	195	189	188	189	195	205	215	223	226
85	77.9	77.6	78.5	80.9	82.7	83.3	82.9	83.3	82.7	80.9	78.5	77.6	77.9	77.6	78.5	80.9	82.7	83.3	82.9
90	13.0	11.2	10.2	7.90	5.21	3.23	2.81	3.23	5.21	7.90	10.2	11.2	13.0	11.2	10.2	7.90	5.21	3.23	2.81
95	0.29	0.29	0.25	0.25	0.24	0.23	0.23	0.23	0.24	0.25	0.25	0.29	0.29	0.29	0.25	0.25	0.24	0.23	0.23
100	0.41	0.42	0.40	0.40	0.39	0.38	0.38	0.38	0.39	0.40	0.40	0.42	0.41	0.42	0.40	0.40	0.39	0.38	0.38
105	0.51	0.53	0.50	0.50	0.49	0.48	0.47	0.48	0.49	0.50	0.50	0.53	0.51	0.53	0.50	0.50	0.49	0.48	0.47
110	0.62	0.63	0.60	0.60	0.59	0.58	0.57	0.58	0.59	0.60	0.60	0.63	0.62	0.63	0.60	0.60	0.59	0.58	0.57
115	0.74	0.76	0.72	0.72	0.71	0.69	0.66	0.69	0.71	0.72	0.72	0.76	0.74	0.76	0.72	0.72	0.71	0.69	0.66
120	0.87	0.88	0.85	0.83	0.81	0.78	0.78	0.78	0.81	0.83	0.85	0.88	0.87	0.88	0.85	0.83	0.81	0.78	0.78
125	1.04	1.04	0.99	0.96	0.95	0.95	0.93	0.95	0.95	0.96	0.99	1.04	1.04	1.04	0.99	0.96	0.95	0.95	0.93
130	1.33	1.32	1.25	1.21	1.20	1.21	1.18	1.21	1.20	1.21	1.25	1.32	1.33	1.32	1.25	1.21	1.20	1.21	1.18
135	1.65	1.64	1.56	1.52	1.50	1.50	1.47	1.50	1.50	1.52	1.56	1.64	1.65	1.64	1.56	1.52	1.50	1.50	1.47
140	2.07	2.06	1.98	1.94	1.90	1.89	1.86	1.89	1.90	1.94	1.98	2.06	2.07	2.06	1.98	1.94	1.90	1.89	1.86
145	2.54	2.52	2.45	2.37	2.32	2.29	2.26	2.29	2.32	2.37	2.45	2.52	2.54	2.52	2.45	2.37	2.32	2.29	2.26
150	2.99	2.93	2.84	2.74	2.68	2.64	2.62	2.64	2.68	2.74	2.84	2.93	2.99	2.93	2.84	2.74	2.68	2.64	2.62
155	3.26	3.19	3.08	2.99	2.87	2.88	2.86	2.88	2.87	2.99	3.08	3.19	3.26	3.19	3.08	2.99	2.87	2.88	2.86
160	3.35	3.28	3.16	3.04	2.98	2.96	2.94	2.96	2.98	3.04	3.16	3.28	3.35	3.28	3.16	3.04	2.98	2.96	2.94
165	3.33	3.27	3.15	3.03	2.98	2.96	2.95	2.96	2.98	3.03	3.15	3.27	3.33	3.27	3.15	3.03	2.98	2.96	2.95
170	3.30	3.27	3.17	3.07	3.02	2.99	2.98	2.99	3.02	3.07	3.17	3.27	3.30	3.27	3.17	3.07	3.02	2.99	2.98
175	3.29	3.28	3.18	3.10	3.05	3.02	3.00	3.02	3.05	3.10	3.18	3.28	3.29	3.28	3.18	3.10	3.05	3.02	3.00
180	3.43	3.33	3.21	3.14	3.10	3.05	3.04	3.05	3.10	3.14	3.21	3.33	3.43	3.33	3.21	3.14	3.10	3.05	3.04

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%_300

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.99V I:0.3262A P:38.845W PF:0.9924 Freq:60.01Hz Lamp Flux:4993.56x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_100%_3000K	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	1703	1704	1704	1704	1703													
5	1697	1697	1696	1695	1695													
10	1680	1677	1674	1671	1668													
15	1650	1645	1637	1630	1625													
20	1608	1598	1587	1575	1567													
25	1555	1544	1523	1507	1494													
30	1491	1471	1449	1425	1409													
35	1411	1393	1360	1333	1313													
40	1325	1295	1262	1230	1208													
45	1223	1193	1154	1120	1095													
50	1108	1078	1037	1000	975													
55	984	952	910	874	849													
60	849	816	776	741	718													
65	702	671	635	604	584													
70	544	519	490	465	449													
75	382	365	345	327	316													
80	223	215	205	195	189													
85	83.3	82.7	80.9	78.5	77.6													
90	3.23	5.21	7.90	10.2	11.2													
95	0.23	0.24	0.25	0.25	0.29													
100	0.38	0.39	0.40	0.40	0.42													
105	0.48	0.49	0.50	0.50	0.53													
110	0.58	0.59	0.60	0.60	0.63													
115	0.69	0.71	0.72	0.72	0.76													
120	0.78	0.81	0.83	0.85	0.88													
125	0.95	0.95	0.96	0.99	1.04													
130	1.21	1.20	1.21	1.25	1.32													
135	1.50	1.50	1.52	1.56	1.64													
140	1.89	1.90	1.94	1.98	2.06													
145	2.29	2.32	2.37	2.45	2.52													
150	2.64	2.68	2.74	2.84	2.93													
155	2.88	2.87	2.99	3.08	3.19													
160	2.96	2.98	3.04	3.16	3.28													
165	2.96	2.98	3.03	3.15	3.27													
170	2.99	3.02	3.07	3.17	3.27													
175	3.02	3.05	3.10	3.18	3.28													
180	3.05	3.10	3.14	3.21	3.33													

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%_3000K