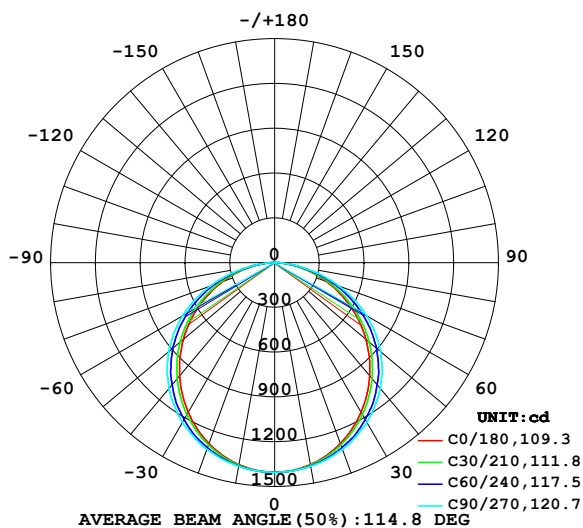


LUMINAIRE PHOTOMETRIC TEST REPORT

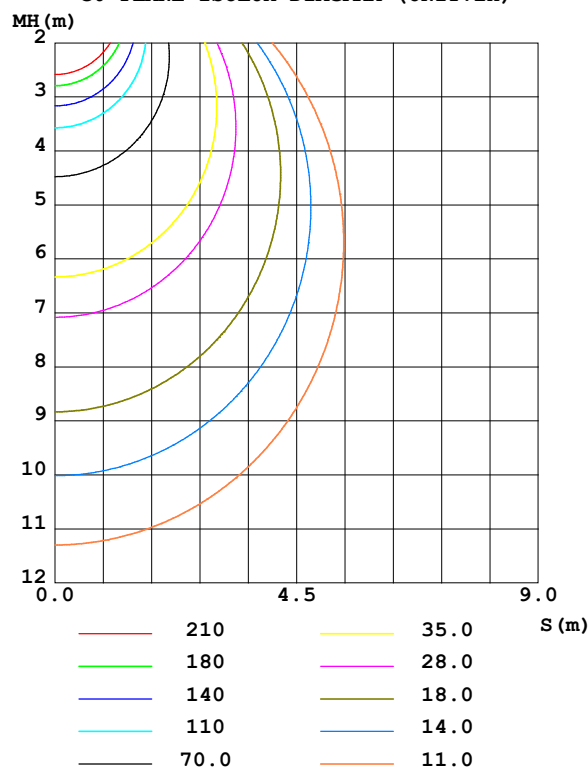
Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 132.17 lm/W
MODEL		I _{max} (cd)	1405	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)	4122.3	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	4122.29	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%_4000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

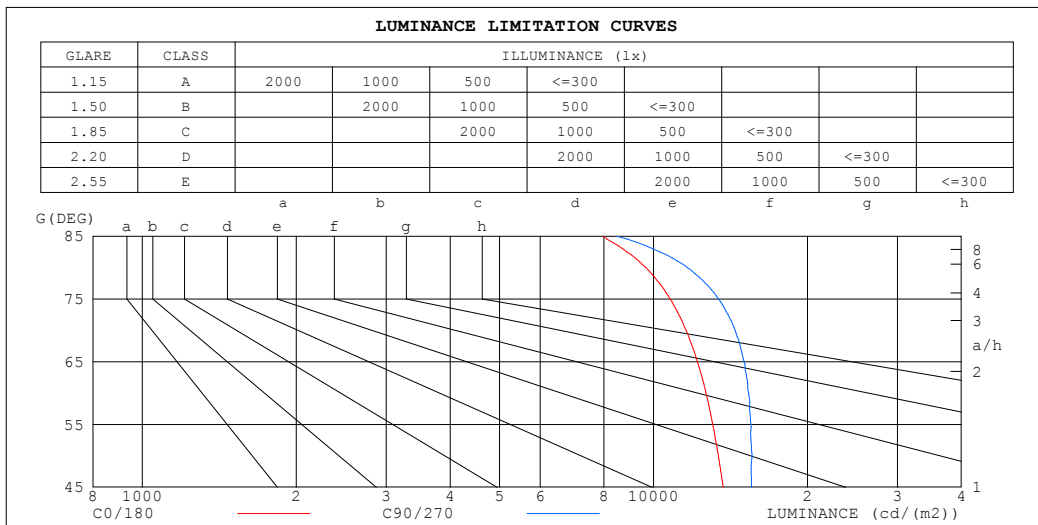
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1374	1380	1386	1380	1374	1380	1386	1380	0- 10	132.9	132.9	3.22,3.22
20	1289	1309	1331	1309	1289	1309	1331	1309	10- 20	381.1	514.0	12.5,12.5
30	1158	1196	1237	1196	1158	1196	1237	1196	20- 30	579.6	1094	26.5,26.5
40	990.9	1042	1101	1042	990.9	1042	1101	1042	30- 40	703.3	1797	43.6,43.6
50	798.0	856.1	928.6	856.1	798.0	856.1	928.6	856.1	40- 50	736.7	2534	61.5,61.5
60	587.1	641.1	711.1	641.1	587.1	641.1	711.1	641.1	50- 60	674.8	3208	77.8,77.8
70	367.1	405.3	457.8	405.3	367.1	405.3	457.8	405.3	60- 70	522.8	3731	90.5,90.5
80	155.5	169.6	187.7	169.6	155.5	169.6	187.7	169.6	70- 80	303.8	4035	97.9,97.9
90	10.02	5.663	3.414	5.663	10.02	5.663	3.414	5.663	80- 90	80.06	4115	99.8,99.8
100	0.3353	0.3314	0.3119	0.3314	0.3353	0.3314	0.3119	0.3314	90-100	1.022	4116	99.9,99.9
110	0.5094	0.4995	0.4717	0.4995	0.5094	0.4995	0.4717	0.4995	100-110	0.4401	4117	99.9,99.9
120	0.7230	0.6831	0.6420	0.6831	0.7230	0.6831	0.6420	0.6831	110-120	0.5857	4117	99.9,99.9
130	1.097	1.002	0.9749	1.002	1.097	1.002	0.9749	1.002	120-130	0.7391	4118	99.9,99.9
140	1.713	1.600	1.529	1.600	1.713	1.600	1.529	1.600	130-140	0.9970	4119	99.9,99.9
150	2.465	2.260	2.159	2.260	2.465	2.260	2.159	2.260	140-150	1.220	4120	99.9,99.9
160	2.764	2.511	2.424	2.511	2.764	2.511	2.424	2.511	150-160	1.136	4121	100,100
170	2.729	2.534	2.456	2.534	2.729	2.534	2.456	2.534	160-170	0.7237	4122	100,100
180	2.832	2.594	2.506	2.594	2.832	2.594	2.506	2.594	170-180	0.2461	4122	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%_4000:

LUMINANCE LIMITATION CURVES

Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	7989	8482
80	9657	11656
75	10783	13405
70	11575	14437
65	12186	15034
60	12663	15338
55	13055	15515
50	13389	15580
45	13685	15551

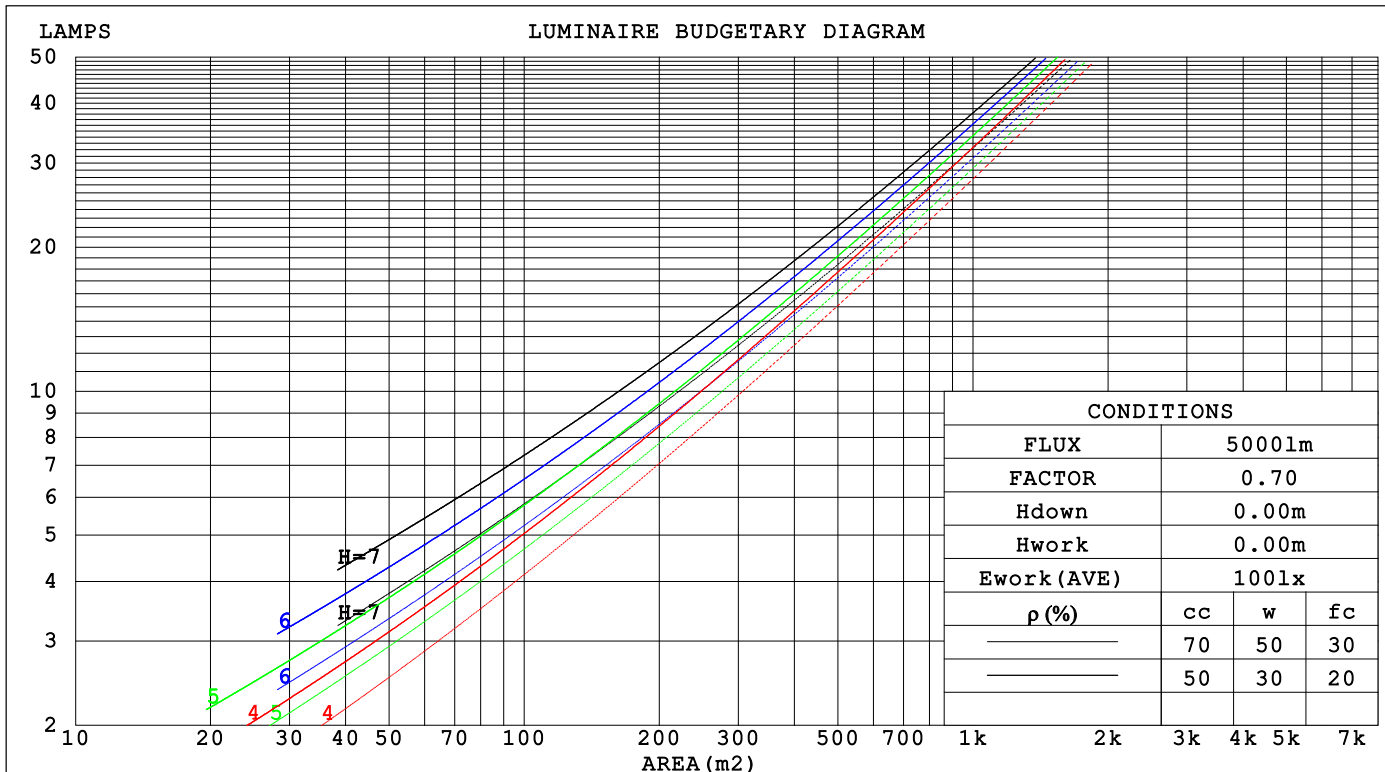
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-29

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%_4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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:2026-04-29

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%_4000:

WEC AND CCEC

Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	.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%_4000:

UGR(Unified Glare Rating) Table

Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm										
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	21.7	23.2	22.0	23.4	23.6	22.6	24.1	22.8	24.3	24.5
3H	23.2	24.6	23.5	24.8	25.1	24.2	25.7	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	26.8
6H	24.2	25.5	24.5	25.7	26.0	25.4	26.6	25.7	26.9	27.2
8H	24.3	25.6	24.7	25.8	26.1	25.5	26.7	25.8	27.0	27.3
12H	24.4	25.6	24.8	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	25.0
3H	24.1	25.3	24.4	25.6	25.9	25.0	26.1	25.3	26.4	26.7
4H	24.8	25.9	25.2	26.2	26.5	25.7	26.8	26.1	27.2	27.5
6H	25.3	26.3	25.7	26.6	27.0	26.3	27.3	26.7	27.7	28.0
8H	25.5	26.4	25.9	26.8	27.2	26.5	27.4	26.9	27.8	28.2
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	26.0	26.9	26.4	27.2	27.6
6H	25.8	26.5	26.2	27.0	27.4	26.7	27.4	27.1	27.8	28.3
8H	26.1	26.7	26.5	27.1	27.6	27.0	27.6	27.4	28.0	28.5
12H	26.2	26.8	26.7	27.3	27.7	27.1	27.7	27.6	28.1	28.6
12H 4H	25.1	26.0	25.6	26.4	26.8	26.0	26.8	26.4	27.2	27.6
6H	25.9	26.5	26.3	27.0	27.4	26.7	27.4	27.2	27.8	28.3
8H	26.2	26.7	26.6	27.2	27.7	27.0	27.6	27.5	28.1	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, 4122 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%_4000K

UTILIZATION FACTORS TABLE

Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

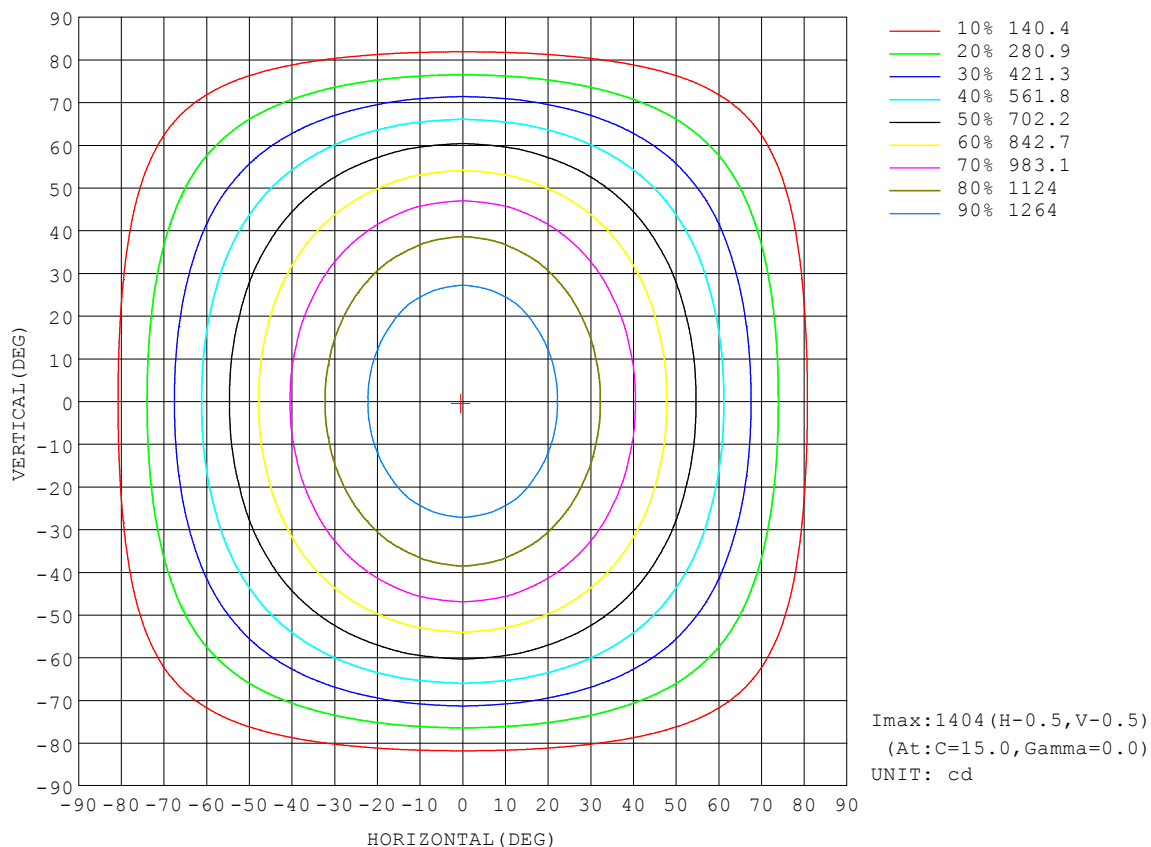
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48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

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%_4000K

ISOCANDELA DIAGRAM

Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

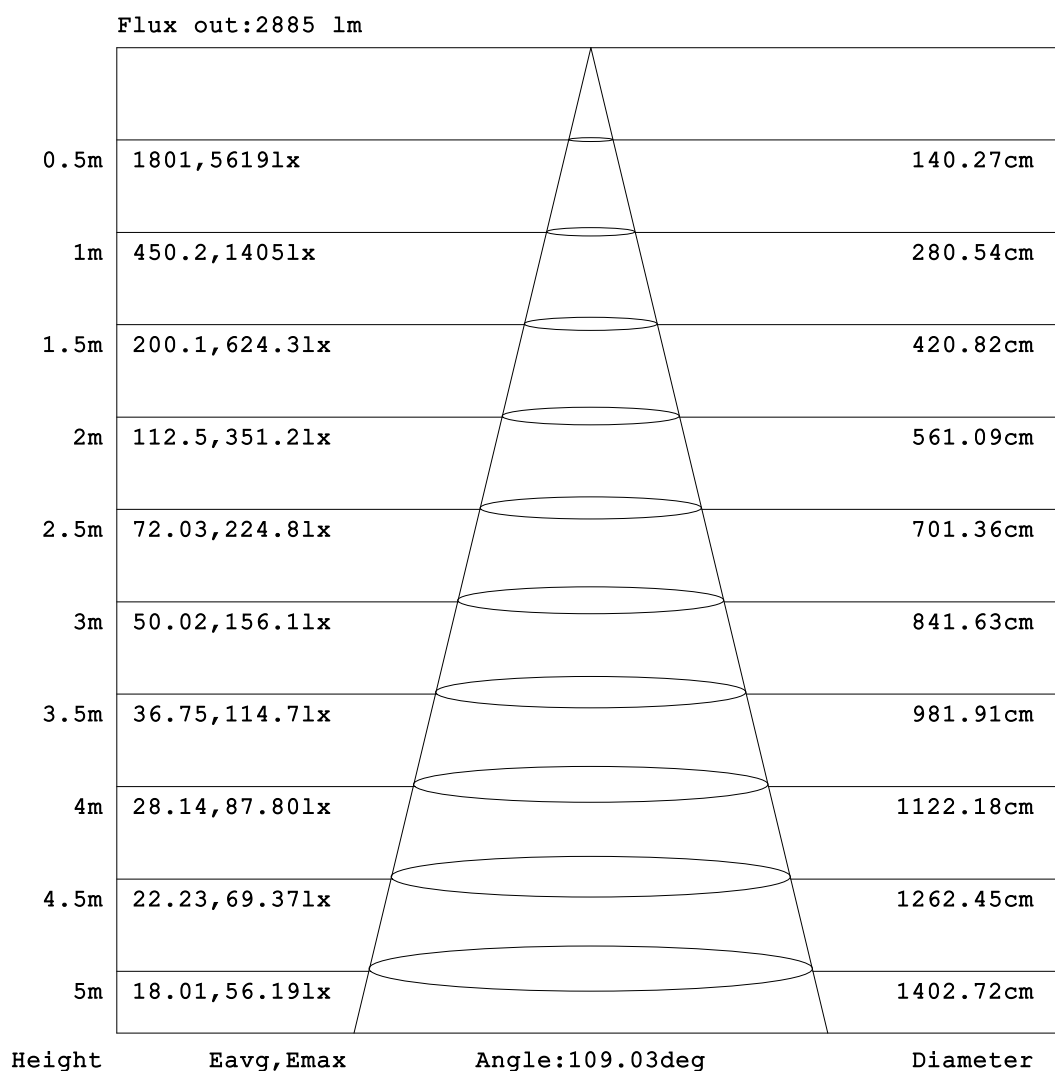


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1°C
Operators:Alan Wang
Test Date:2026-04-29

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%_4000K

AAI Figure

Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



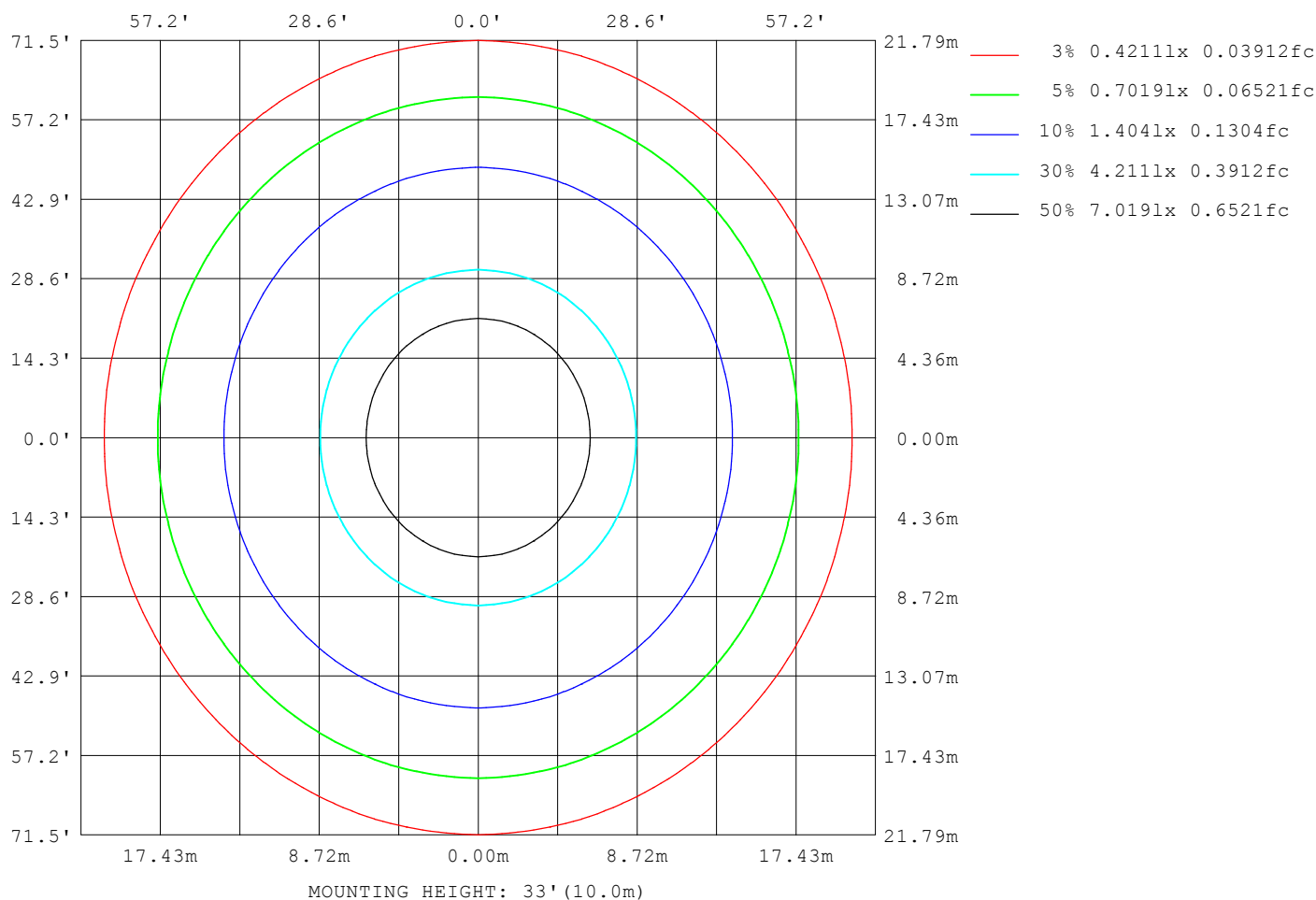
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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%-4000K

ISOLUX DIAGRAM

Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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:2026-04-29

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%_4000K

LED Avg.L Report

Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

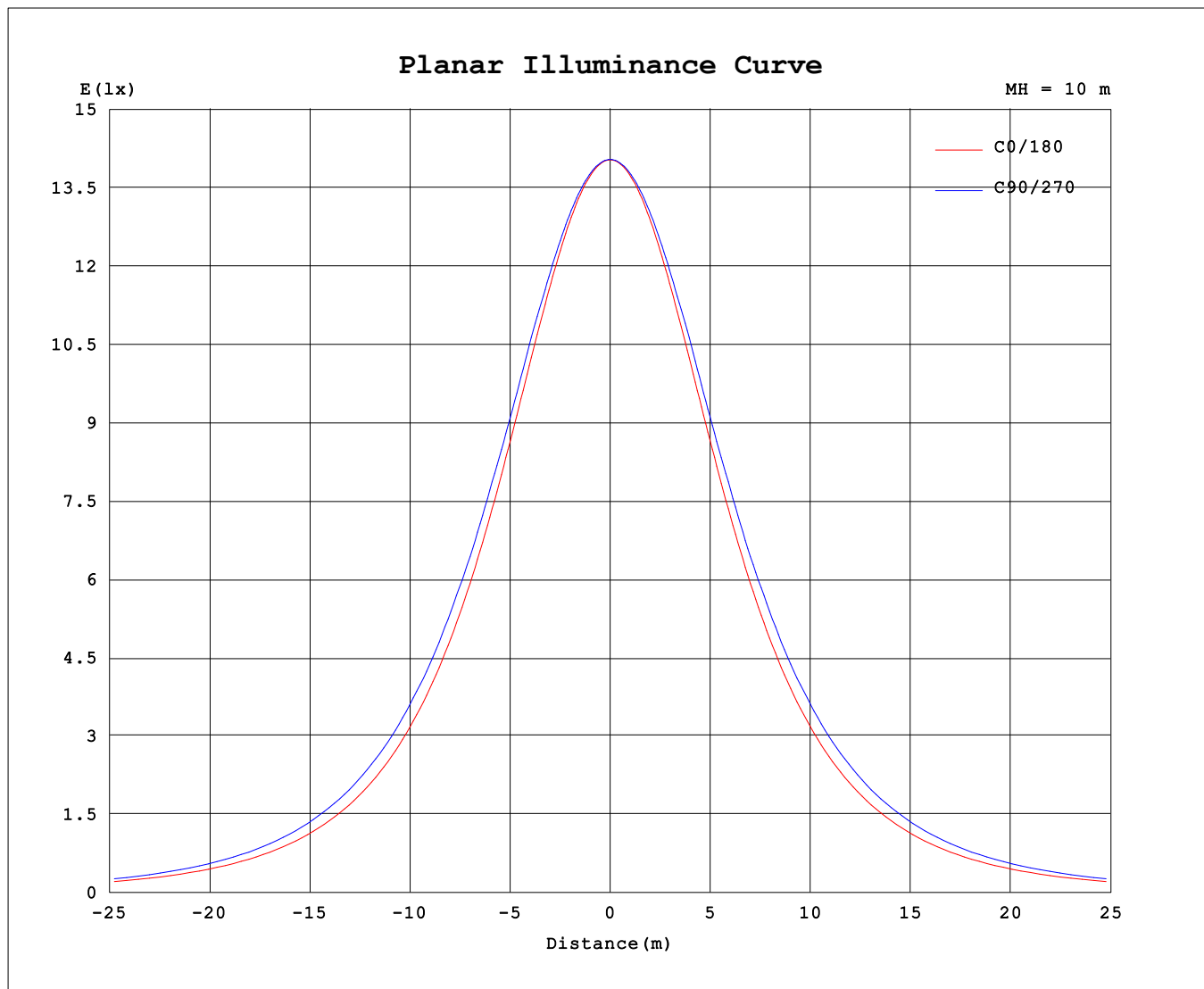
AvgL	cd/m2
L_0~180 (65) av	12186
L_0~180 (75) av	10783
L_0~180 (85) av	7989
L_90~270 (65) av	15034
L_90~270 (75) av	13405
L_90~270 (85) av	8482
L_45 (65) av	13401
L_45 (75) av	11881
L_45 (85) av	8288

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%_4000:

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%_4000:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%-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	1404	1405	1405	1405	1405	1404	1404	1404	1405	1405	1405	1405	1404	1405	1405	1405	1405	1404	1404
5	1396	1397	1398	1398	1399	1400	1400	1400	1399	1398	1398	1397	1396	1397	1398	1398	1399	1400	1400
10	1374	1376	1378	1380	1383	1385	1386	1385	1383	1380	1378	1376	1374	1376	1378	1380	1383	1385	1386
15	1338	1340	1344	1350	1356	1361	1362	1361	1356	1350	1344	1340	1338	1340	1344	1350	1356	1361	1362
20	1289	1292	1299	1309	1319	1327	1331	1327	1319	1309	1299	1292	1289	1292	1299	1309	1319	1327	1331
25	1228	1232	1242	1256	1274	1283	1286	1283	1274	1256	1242	1232	1228	1232	1242	1256	1274	1283	1286
30	1158	1163	1176	1196	1213	1229	1237	1229	1213	1196	1176	1163	1158	1163	1176	1196	1213	1229	1237
35	1078	1084	1099	1123	1148	1165	1171	1165	1148	1123	1099	1084	1078	1084	1099	1123	1148	1165	1171
40	991	997	1015	1042	1069	1093	1101	1093	1069	1042	1015	997	991	997	1015	1042	1069	1093	1101
45	897	904	924	953	984	1009	1020	1009	984	953	924	904	897	904	924	953	984	1009	1020
50	798	805	826	856	890	915	929	915	890	856	826	805	798	805	826	856	890	915	929
55	694	701	721	752	786	812	825	812	786	752	721	701	694	701	721	752	786	812	825
60	587	593	612	641	675	701	711	701	675	641	612	593	587	593	612	641	675	701	711
65	478	483	499	525	555	579	589	579	555	525	499	483	478	483	499	525	555	579	589
70	367	371	385	405	429	449	458	449	429	405	385	371	367	371	385	405	429	449	458
75	259	261	271	285	302	316	322	316	302	285	271	261	259	261	271	285	302	316	322
80	155	157	162	170	178	185	188	185	178	170	162	157	155	157	162	170	178	185	188
85	64.6	63.8	65.0	67.0	68.8	69.2	68.5	69.2	68.8	67.0	65.0	63.8	64.6	63.8	65.0	67.0	68.8	69.2	68.5
90	10.0	8.90	7.67	5.66	4.14	2.65	3.41	2.65	4.14	5.66	7.67	8.90	10.0	8.90	7.67	5.66	4.14	2.65	3.41
95	0.24	0.24	0.21	0.21	0.20	0.20	0.19	0.20	0.20	0.21	0.21	0.24	0.24	0.24	0.21	0.21	0.20	0.20	0.19
100	0.34	0.35	0.33	0.33	0.33	0.32	0.31	0.32	0.33	0.33	0.33	0.35	0.34	0.35	0.33	0.33	0.33	0.32	0.31
105	0.42	0.44	0.41	0.42	0.41	0.40	0.39	0.40	0.41	0.42	0.41	0.44	0.42	0.44	0.41	0.42	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	0.63	0.60	0.59	0.58	0.57	0.55	0.57	0.58	0.59	0.60	0.63	0.61	0.63	0.60	0.59	0.58	0.57	0.55
120	0.72	0.73	0.70	0.68	0.67	0.64	0.64	0.64	0.67	0.68	0.70	0.73	0.72	0.73	0.70	0.68	0.67	0.64	0.64
125	0.86	0.86	0.82	0.80	0.78	0.78	0.77	0.78	0.78	0.80	0.82	0.86	0.86	0.86	0.82	0.80	0.78	0.78	0.77
130	1.10	1.09	1.03	1.00	0.99	1.00	0.97	1.00	0.99	1.00	1.03	1.09	1.10	1.09	1.03	1.00	0.99	1.00	0.97
135	1.36	1.36	1.29	1.25	1.24	1.24	1.21	1.24	1.24	1.25	1.29	1.36	1.36	1.36	1.29	1.25	1.24	1.24	1.21
140	1.71	1.70	1.63	1.60	1.57	1.56	1.53	1.56	1.57	1.60	1.63	1.70	1.71	1.70	1.63	1.60	1.57	1.56	1.53
145	2.10	2.08	2.02	1.96	1.91	1.89	1.86	1.89	1.91	1.96	2.02	2.08	2.10	2.08	2.02	1.96	1.91	1.89	1.86
150	2.47	2.42	2.34	2.26	2.21	2.18	2.16	2.18	2.21	2.26	2.34	2.42	2.47	2.42	2.34	2.26	2.21	2.18	2.16
155	2.69	2.63	2.54	2.47	2.36	2.37	2.35	2.37	2.36	2.47	2.54	2.63	2.69	2.63	2.54	2.47	2.36	2.37	2.35
160	2.76	2.71	2.61	2.51	2.46	2.44	2.42	2.44	2.46	2.51	2.61	2.71	2.76	2.71	2.61	2.51	2.46	2.44	2.42
165	2.75	2.69	2.59	2.50	2.46	2.44	2.43	2.44	2.46	2.50	2.59	2.69	2.75	2.69	2.59	2.50	2.46	2.44	2.43
170	2.73	2.69	2.61	2.53	2.49	2.47	2.46	2.47	2.49	2.53	2.61	2.69	2.73	2.69	2.61	2.53	2.49	2.47	2.46
175	2.72	2.70	2.63	2.56	2.51	2.49	2.47	2.49	2.51	2.56	2.63	2.70	2.72	2.70	2.63	2.56	2.51	2.49	2.47
180	2.83	2.75	2.65	2.59	2.56	2.52	2.51	2.52	2.56	2.59	2.65	2.75	2.83	2.75	2.65	2.59	2.56	2.52	2.51

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%-4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.98V I:0.2617A P:31.189W PF:0.9935 Freq:60.01Hz Lamp Flux:4122.29x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	1404	1405	1405	1405	1405													
5	1400	1399	1398	1398	1397													
10	1385	1383	1380	1378	1376													
15	1361	1356	1350	1344	1340													
20	1327	1319	1309	1299	1292													
25	1283	1274	1256	1242	1232													
30	1229	1213	1196	1176	1163													
35	1165	1148	1123	1099	1084													
40	1093	1069	1042	1015	997													
45	1009	984	953	924	904													
50	915	890	856	826	805													
55	812	786	752	721	701													
60	701	675	641	612	593													
65	579	555	525	499	483													
70	449	429	405	385	371													
75	316	302	285	271	261													
80	185	178	170	162	157													
85	69.2	68.8	67.0	65.0	63.8													
90	2.65	4.14	5.66	7.67	8.90													
95	0.20	0.20	0.21	0.21	0.24													
100	0.32	0.33	0.33	0.33	0.35													
105	0.40	0.41	0.42	0.41	0.44													
110	0.48	0.49	0.50	0.50	0.52													
115	0.57	0.58	0.59	0.60	0.63													
120	0.64	0.67	0.68	0.70	0.73													
125	0.78	0.78	0.80	0.82	0.86													
130	1.00	0.99	1.00	1.03	1.09													
135	1.24	1.24	1.25	1.29	1.36													
140	1.56	1.57	1.60	1.63	1.70													
145	1.89	1.91	1.96	2.02	2.08													
150	2.18	2.21	2.26	2.34	2.42													
155	2.37	2.36	2.47	2.54	2.63													
160	2.44	2.46	2.51	2.61	2.71													
165	2.44	2.46	2.50	2.59	2.69													
170	2.47	2.49	2.53	2.61	2.69													
175	2.49	2.51	2.56	2.63	2.70													
180	2.52	2.56	2.59	2.65	2.75													

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%_4000: