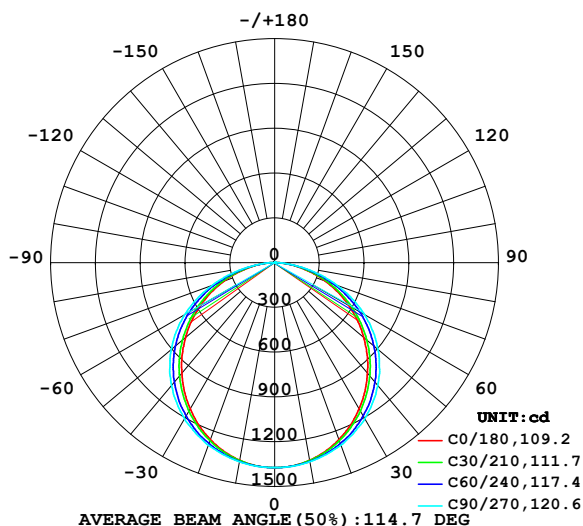


LUMINAIRE PHOTOMETRIC TEST REPORT

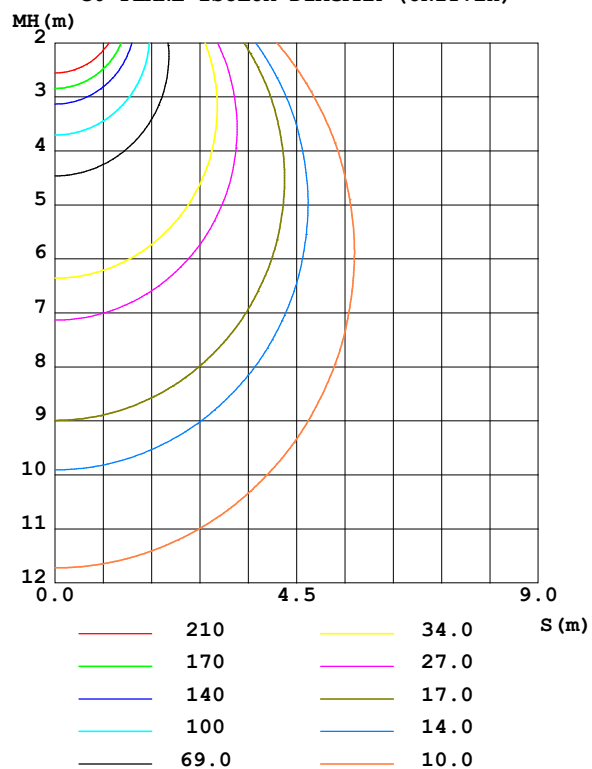
Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.89 lm/W			
MODEL		Imax (cd)	1374	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)	4027.4	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	4027.41	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%_3000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

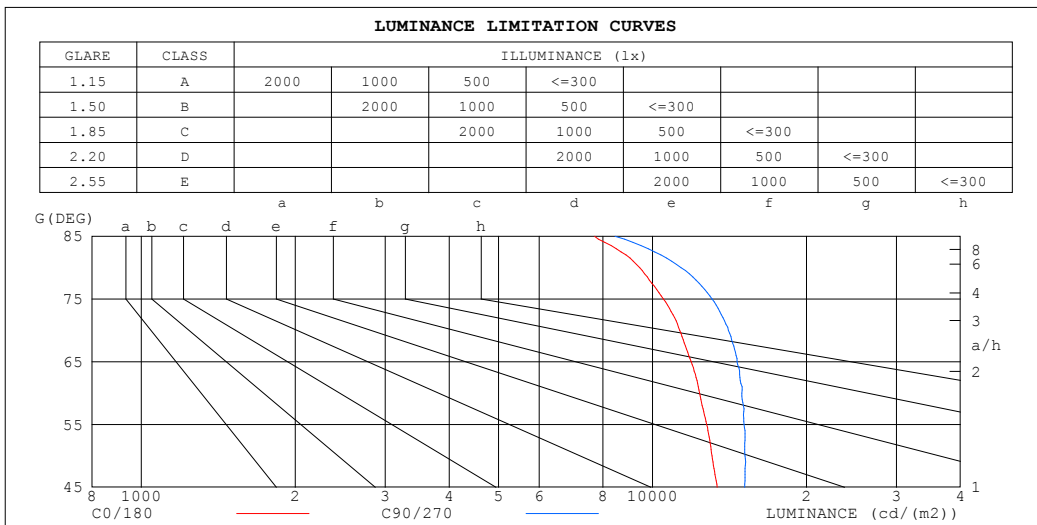
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1345	1350	1355	1350	1345	1350	1355	1350	0- 10	130.0	130.0	3.23,3.23
20	1260	1279	1301	1279	1260	1279	1301	1279	10- 20	372.6	502.6	12.5,12.5
30	1131	1168	1208	1168	1131	1168	1208	1168	20- 30	566.5	1069	26.5,26.5
40	967.6	1018	1075	1018	967.6	1018	1075	1018	30- 40	687.0	1756	43.6,43.6
50	778.9	836.4	904.2	836.4	778.9	836.4	904.2	836.4	40- 50	719.5	2476	61.5,61.5
60	573.0	625.7	693.2	625.7	573.0	625.7	693.2	625.7	50- 60	658.6	3134	77.8,77.8
70	358.5	395.7	446.2	395.7	358.5	395.7	446.2	395.7	60- 70	510.2	3644	90.5,90.5
80	151.9	165.7	183.1	165.7	151.9	165.7	183.1	165.7	70- 80	296.6	3941	97.9,97.9
90	8.656	8.041	4.942	8.041	8.656	8.041	4.942	8.041	80- 90	79.16	4020	99.8,99.8
100	0.3282	0.3014	0.2816	0.3014	0.3282	0.3014	0.2816	0.3014	90-100	1.260	4021	99.9,99.9
110	0.4985	0.4857	0.4595	0.4857	0.4985	0.4857	0.4595	0.4857	100-110	0.4253	4022	99.9,99.9
120	0.7072	0.6714	0.6383	0.6714	0.7072	0.6714	0.6383	0.6714	110-120	0.5737	4022	99.9,99.9
130	1.072	0.9619	0.9364	0.9619	1.072	0.9619	0.9364	0.9619	120-130	0.7172	4023	99.9,99.9
140	1.676	1.541	1.480	1.541	1.676	1.541	1.480	1.541	130-140	0.9593	4024	99.9,99.9
150	2.413	2.191	2.100	2.191	2.413	2.191	2.100	2.191	140-150	1.182	4025	99.9,99.9
160	2.702	2.468	2.376	2.468	2.702	2.468	2.376	2.468	150-160	1.109	4026	100,100
170	2.666	2.514	2.429	2.514	2.666	2.514	2.429	2.514	160-170	0.7139	4027	100,100
180	2.746	2.551	2.468	2.551	2.746	2.551	2.468	2.551	170-180	0.2437	4027	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%_3000:

LUMINANCE LIMITATION CURVES

Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	7703	8446
80	9434	11370
75	10503	13067
70	11304	14072
65	11897	14640
60	12360	14953
55	12762	15101
50	13069	15172
45	13384	15156

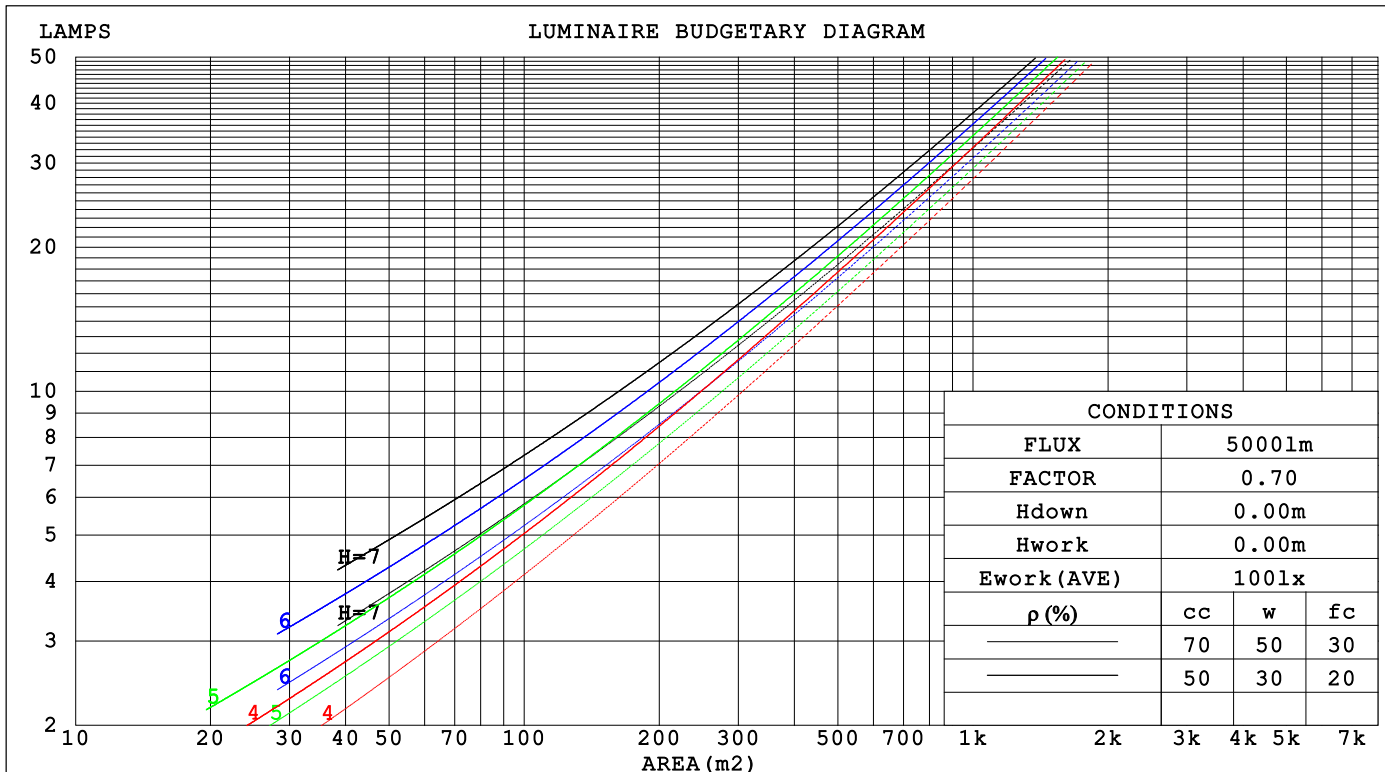
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-29

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Humidity: 49.3%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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:2026-04-29

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_80%_3000K

WEC AND CCEC

Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	.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	.089	.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	.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	.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%_3000:

UGR(Unified Glare Rating) Table

Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm										
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	21.6	23.1	21.9	23.4	23.6	22.5	24.0	22.7	24.2	24.4
3H	23.1	24.5	23.4	24.8	25.0	24.1	25.6	24.4	25.8	26.0
4H	23.7	25.0	24.0	25.3	25.6	24.8	26.2	25.1	26.4	26.7
6H	24.1	25.4	24.4	25.7	25.9	25.3	26.5	25.6	26.8	27.1
8H	24.2	25.5	24.6	25.8	26.1	25.4	26.6	25.7	26.9	27.2
12H	24.3	25.5	24.7	25.8	26.1	25.4	26.6	25.8	26.9	27.2
4H 2H	22.3	23.7	22.7	23.9	24.2	23.0	24.3	23.3	24.6	24.9
3H	24.0	25.2	24.4	25.5	25.8	24.9	26.0	25.2	26.3	26.7
4H	24.7	25.8	25.1	26.1	26.4	25.7	26.7	26.0	27.1	27.4
6H	25.2	26.2	25.6	26.6	26.9	26.2	27.2	26.6	27.6	27.9
8H	25.4	26.3	25.8	26.7	27.1	26.4	27.3	26.8	27.7	28.1
12H	25.5	26.3	26.0	26.7	27.1	26.5	27.4	27.0	27.7	28.2
8H 4H	25.0	25.9	25.4	26.3	26.7	25.9	26.8	26.3	27.1	27.5
6H	25.7	26.5	26.2	26.9	27.3	26.6	27.4	27.1	27.8	28.2
8H	26.0	26.6	26.4	27.1	27.5	26.9	27.5	27.3	28.0	28.4
12H	26.1	26.7	26.6	27.2	27.6	27.0	27.6	27.5	28.1	28.5
12H 4H	25.1	25.9	25.5	26.3	26.7	25.9	26.7	26.3	27.1	27.5
6H	25.8	26.4	26.3	26.9	27.3	26.7	27.3	27.1	27.7	28.2
8H	26.1	26.7	26.6	27.1	27.6	26.9	27.5	27.4	28.0	28.4
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, 4027 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.8)
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%_3000K

UTILIZATION FACTORS TABLE

Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

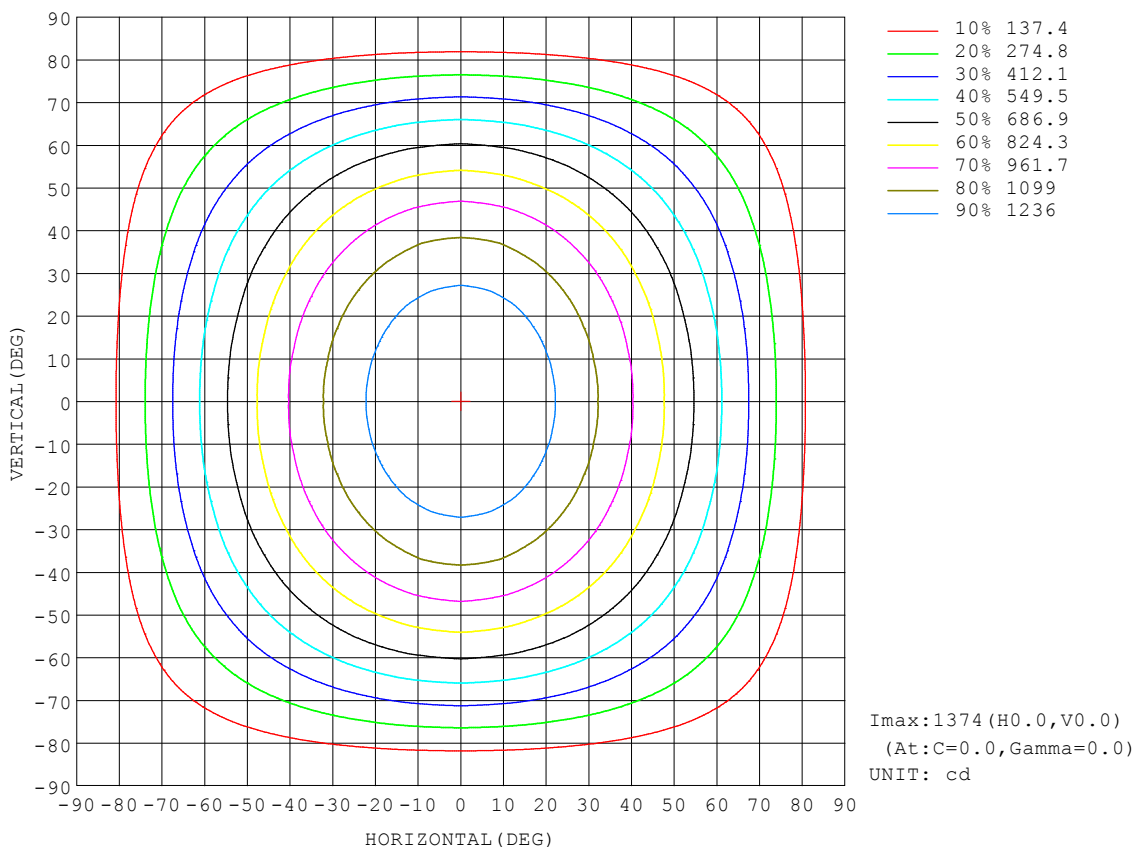
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	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	98	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	85
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%_3000K

ISOCANDELA DIAGRAM

Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

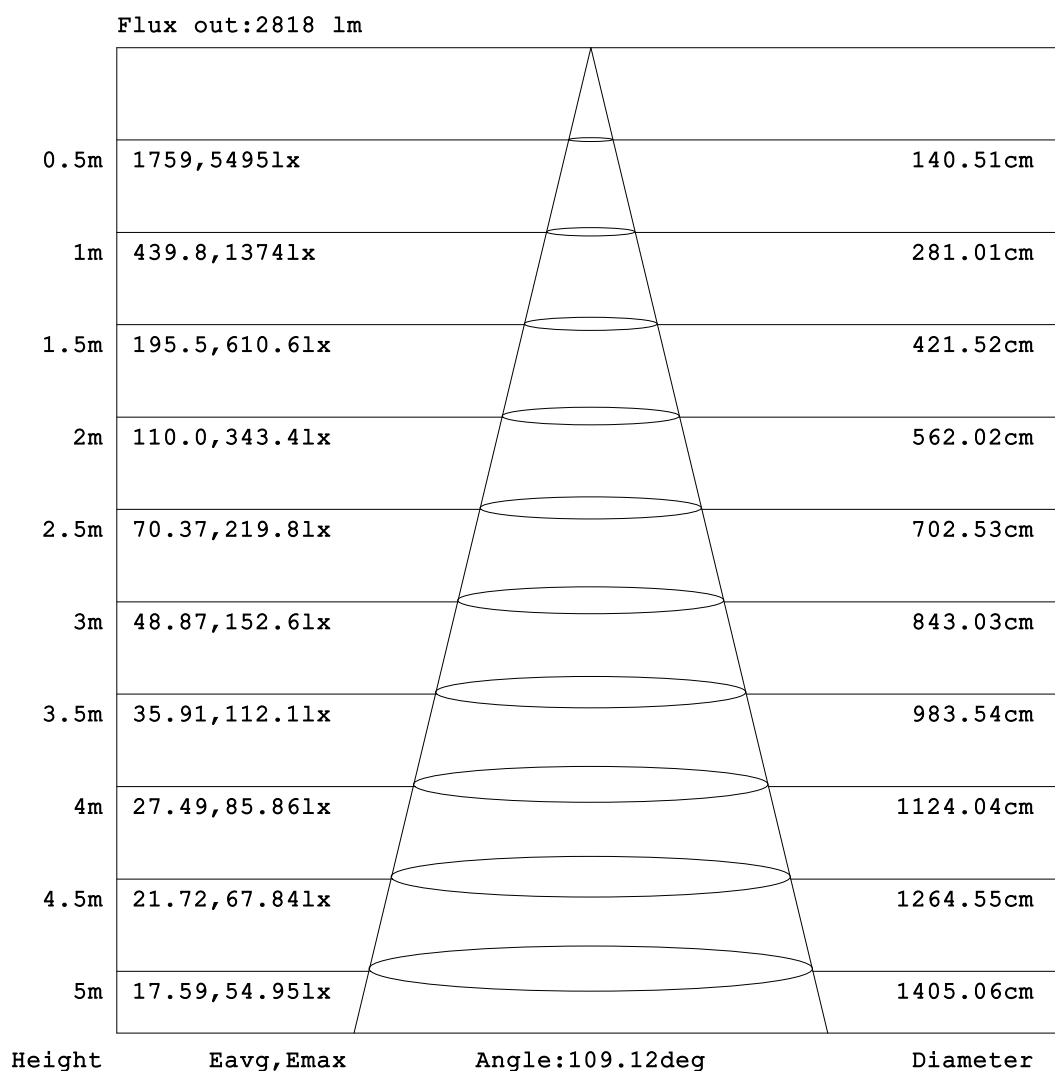


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-29

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%_3000K

AAI Figure

Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



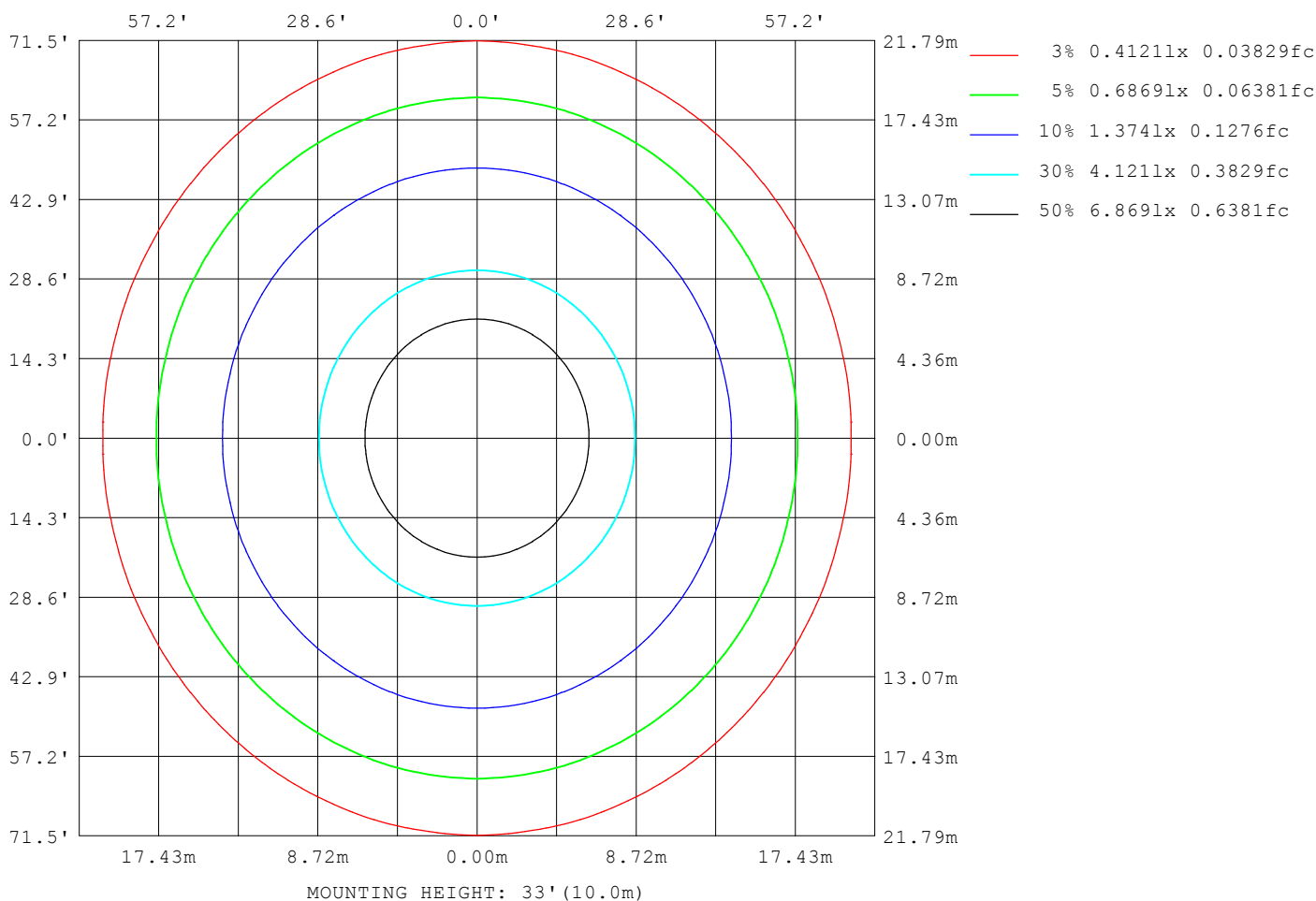
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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%_3000K

ISOLUX DIAGRAM

Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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
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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%_3000K

LED Avg.L Report

Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

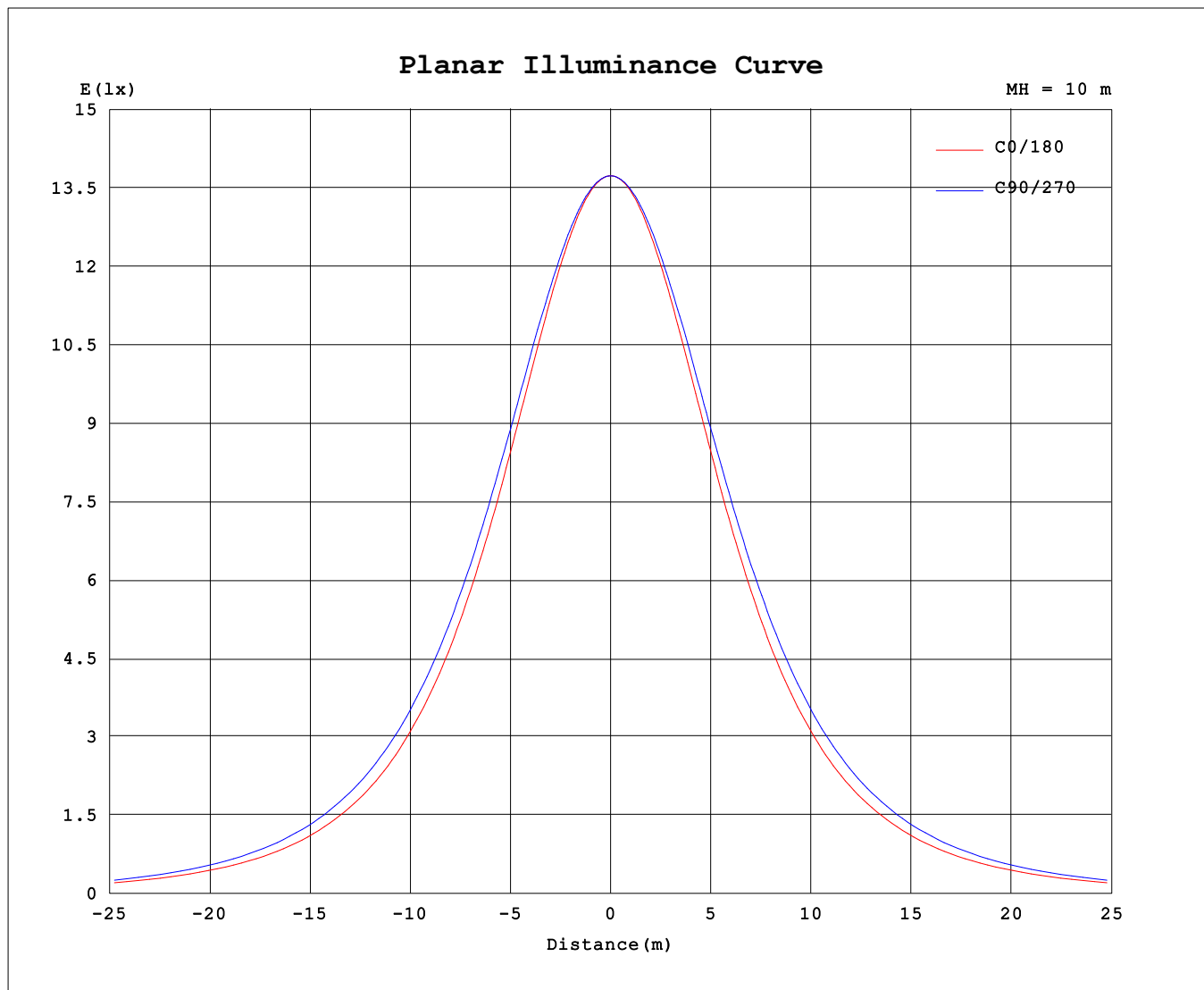
AvgL	cd/m2
L_0~180 (65) av	11897
L_0~180 (75) av	10503
L_0~180 (85) av	7703
L_90~270 (65) av	14640
L_90~270 (75) av	13067
L_90~270 (85) av	8446
L_45 (65) av	13079
L_45 (75) av	11597
L_45 (85) av	8280

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%_3000:

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%-3000:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	1374	1374	1373	1373	1373	1374	1374	1374	1373	1373	1373	1374	1374	1374	1373	1373	1373	1374	1374
5	1367	1366	1367	1367	1368	1369	1369	1369	1368	1367	1367	1366	1367	1366	1367	1367	1368	1369	1369
10	1345	1345	1347	1350	1352	1354	1355	1354	1352	1350	1347	1345	1345	1345	1347	1350	1352	1354	1355
15	1309	1310	1314	1320	1326	1330	1332	1330	1326	1320	1314	1310	1309	1310	1314	1320	1326	1330	1332
20	1260	1263	1270	1279	1289	1298	1301	1298	1289	1279	1270	1263	1260	1263	1270	1279	1289	1298	1301
25	1202	1204	1214	1228	1244	1254	1258	1254	1244	1228	1214	1204	1202	1204	1214	1228	1244	1254	1258
30	1131	1136	1149	1168	1186	1203	1208	1203	1186	1168	1149	1136	1131	1136	1149	1168	1186	1203	1208
35	1055	1059	1074	1097	1121	1138	1145	1138	1121	1097	1074	1059	1055	1059	1074	1097	1121	1138	1145
40	968	974	992	1018	1045	1066	1075	1066	1045	1018	992	974	968	974	992	1018	1045	1066	1075
45	878	883	903	930	961	987	994	987	961	930	903	883	878	883	903	930	961	987	994
50	779	786	806	836	868	895	904	895	868	836	806	786	779	786	806	836	868	895	904
55	679	685	704	734	767	796	803	796	767	734	704	685	679	685	704	734	767	796	803
60	573	579	598	626	657	683	693	683	657	626	598	579	573	579	598	626	657	683	693
65	466	471	488	512	541	565	574	565	541	512	488	471	466	471	488	512	541	565	574
70	358	362	376	396	419	439	446	439	419	396	376	362	358	362	376	396	419	439	446
75	252	255	264	278	294	308	314	308	294	278	264	255	252	255	264	278	294	308	314
80	152	153	158	166	174	181	183	181	174	166	158	153	152	153	158	166	174	181	183
85	62.3	62.4	64.6	66.9	68.1	68.4	68.3	68.4	68.1	66.9	64.6	62.4	62.3	62.4	64.6	66.9	68.1	68.4	68.3
90	8.66	8.06	8.82	8.04	6.72	5.32	4.94	5.32	6.72	8.04	8.82	8.06	8.66	8.06	8.82	8.04	6.72	5.32	4.94
95	0.23	0.26	0.25	0.21	0.21	0.20	0.19	0.20	0.21	0.21	0.25	0.26	0.23	0.26	0.25	0.21	0.21	0.20	0.19
100	0.33	0.33	0.30	0.30	0.30	0.29	0.28	0.29	0.30	0.30	0.30	0.33	0.33	0.33	0.30	0.30	0.30	0.29	0.28
105	0.41	0.43	0.40	0.41	0.40	0.39	0.38	0.39	0.40	0.41	0.40	0.43	0.41	0.43	0.40	0.41	0.40	0.39	0.38
110	0.50	0.51	0.49	0.49	0.48	0.47	0.46	0.47	0.48	0.49	0.49	0.51	0.50	0.51	0.49	0.49	0.48	0.47	0.46
115	0.60	0.61	0.59	0.58	0.57	0.56	0.55	0.56	0.57	0.58	0.59	0.61	0.60	0.61	0.59	0.58	0.57	0.56	0.55
120	0.71	0.72	0.69	0.67	0.66	0.63	0.64	0.63	0.66	0.67	0.69	0.72	0.71	0.72	0.69	0.67	0.66	0.63	0.64
125	0.84	0.84	0.79	0.77	0.76	0.76	0.75	0.76	0.76	0.77	0.79	0.84	0.84	0.84	0.79	0.77	0.76	0.76	0.75
130	1.07	1.05	0.99	0.96	0.96	0.96	0.94	0.96	0.96	0.96	0.99	1.05	1.07	1.05	0.99	0.96	0.96	0.96	0.94
135	1.33	1.31	1.23	1.20	1.19	1.19	1.17	1.19	1.19	1.20	1.23	1.31	1.33	1.31	1.23	1.20	1.19	1.19	1.17
140	1.68	1.64	1.57	1.54	1.50	1.50	1.48	1.50	1.50	1.54	1.57	1.64	1.68	1.64	1.57	1.54	1.50	1.50	1.48
145	2.05	2.01	1.95	1.89	1.86	1.83	1.81	1.83	1.86	1.89	1.95	2.01	2.05	2.01	1.95	1.89	1.86	1.83	1.81
150	2.41	2.35	2.27	2.19	2.13	2.11	2.10	2.11	2.13	2.19	2.27	2.35	2.41	2.35	2.27	2.19	2.13	2.11	2.10
155	2.63	2.57	2.48	2.39	2.31	2.31	2.30	2.31	2.31	2.39	2.48	2.57	2.63	2.57	2.48	2.39	2.31	2.31	2.30
160	2.70	2.66	2.56	2.47	2.40	2.40	2.38	2.40	2.40	2.47	2.56	2.66	2.70	2.66	2.56	2.47	2.40	2.40	2.38
165	2.69	2.66	2.57	2.48	2.43	2.42	2.40	2.42	2.43	2.48	2.57	2.66	2.69	2.66	2.57	2.48	2.43	2.42	2.40
170	2.67	2.66	2.59	2.51	2.47	2.44	2.43	2.44	2.47	2.51	2.59	2.66	2.67	2.66	2.59	2.51	2.47	2.44	2.43
175	2.66	2.67	2.61	2.54	2.49	2.46	2.45	2.46	2.49	2.54	2.61	2.67	2.66	2.67	2.61	2.54	2.49	2.46	2.45
180	2.75	2.70	2.61	2.55	2.51	2.48	2.47	2.48	2.51	2.55	2.61	2.70	2.75	2.70	2.61	2.55	2.51	2.48	2.47

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%_3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.00V I:0.2601A P:31.006W PF:0.9934 Freq:60.01Hz Lamp Flux:4027.41x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_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	1374	1373	1373	1373	1374													
5	1369	1368	1367	1367	1366													
10	1354	1352	1350	1347	1345													
15	1330	1326	1320	1314	1310													
20	1298	1289	1279	1270	1263													
25	1254	1244	1228	1214	1204													
30	1203	1186	1168	1149	1136													
35	1138	1121	1097	1074	1059													
40	1066	1045	1018	992	974													
45	987	961	930	903	883													
50	895	868	836	806	786													
55	796	767	734	704	685													
60	683	657	626	598	579													
65	565	541	512	488	471													
70	439	419	396	376	362													
75	308	294	278	264	255													
80	181	174	166	158	153													
85	68.4	68.1	66.9	64.6	62.4													
90	5.32	6.72	8.04	8.82	8.06													
95	0.20	0.21	0.21	0.25	0.26													
100	0.29	0.30	0.30	0.30	0.33													
105	0.39	0.40	0.41	0.40	0.43													
110	0.47	0.48	0.49	0.49	0.51													
115	0.56	0.57	0.58	0.59	0.61													
120	0.63	0.66	0.67	0.69	0.72													
125	0.76	0.76	0.77	0.79	0.84													
130	0.96	0.96	0.96	0.99	1.05													
135	1.19	1.19	1.20	1.23	1.31													
140	1.50	1.50	1.54	1.57	1.64													
145	1.83	1.86	1.89	1.95	2.01													
150	2.11	2.13	2.19	2.27	2.35													
155	2.31	2.31	2.39	2.48	2.57													
160	2.40	2.40	2.47	2.56	2.66													
165	2.42	2.43	2.48	2.57	2.66													
170	2.44	2.47	2.51	2.59	2.66													
175	2.46	2.49	2.54	2.61	2.67													
180	2.48	2.51	2.55	2.61	2.70													

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%_3000: