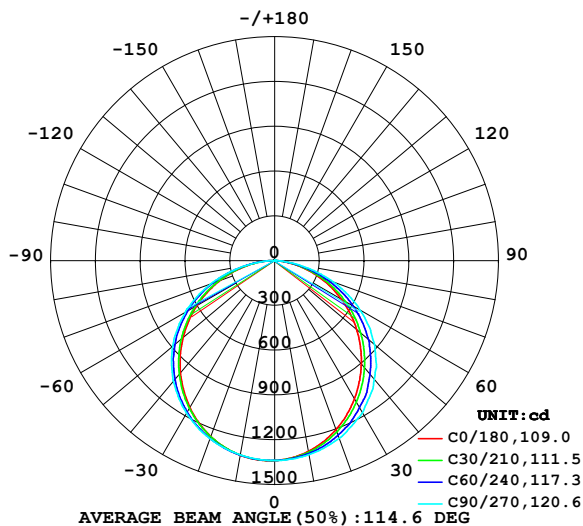


LUMINAIRE PHOTOMETRIC TEST REPORT

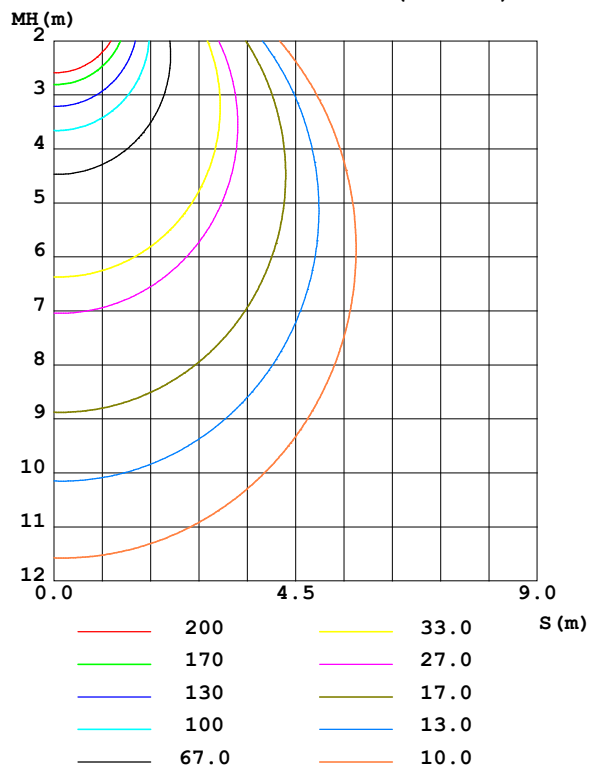
Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.25 lm/W			
MODEL		I _{max} (cd)	1341	S/MH(C0/180)	1.26
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3921.7	η UP,DN(C0-180)	0.1,51.6
NOMINAL FLUX(lm)	3921.75	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,48.3
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%_2700:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

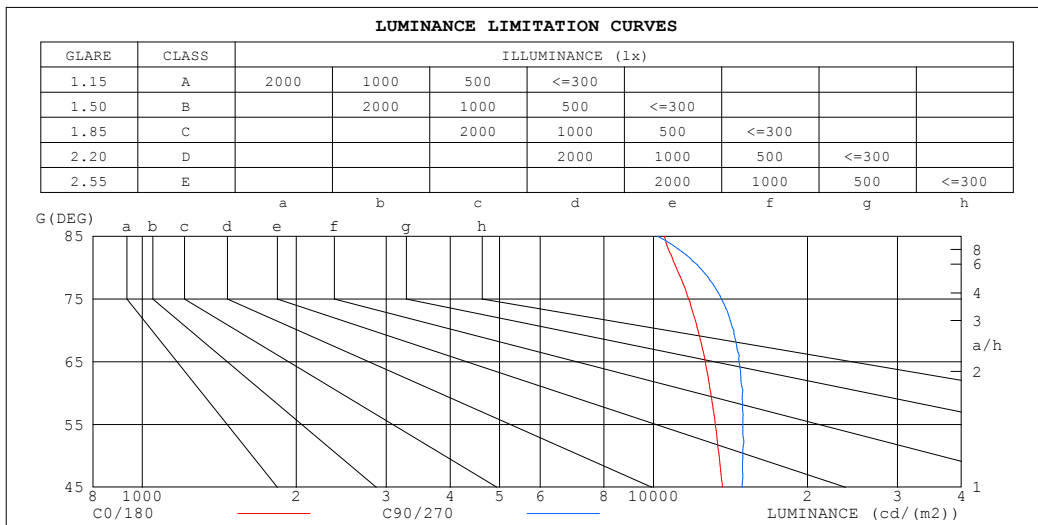
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1324	1324	1322	1317	1298	1306	1320	1315	0- 10	126.7	126.7	3.23,3.23
20	1253	1263	1269	1251	1204	1229	1266	1245	10- 20	363.2	489.9	12.5,12.5
30	1136	1160	1179	1143	1069	1113	1177	1139	20- 30	552.1	1042	26.6,26.6
40	982.0	1020	1057	998.8	903.8	960.9	1039	985.7	30- 40	669.5	1712	43.6,43.6
50	800.8	847.9	890.6	823.1	717.1	777.0	874.1	811.8	40- 50	701.0	2413	61.5,61.5
60	599.8	648.4	691.9	620.0	516.0	569.4	660.3	600.2	50- 60	641.6	3054	77.9,77.9
70	387.4	425.7	455.2	396.2	309.4	344.5	416.2	374.6	60- 70	496.9	3551	90.5,90.5
80	178.4	198.0	198.2	170.2	115.1	125.1	158.5	150.1	70- 80	288.6	3840	97.9,97.9
90	12.99	14.46	7.182	4.537	0.1906	0.1776	0.6319	2.311	80- 90	75.57	3915	99.8,99.8
100	0.3796	0.3565	0.3404	0.3423	0.2793	0.2493	0.2451	0.2808	90-100	0.8309	3916	99.9,99.9
110	0.5728	0.5593	0.5467	0.5762	0.4138	0.3654	0.3598	0.4164	100-110	0.4232	3916	99.9,99.9
120	0.7577	0.7284	0.6846	0.7381	0.6329	0.5539	0.5451	0.6156	110-120	0.5634	3917	99.9,99.9
130	1.177	1.072	1.060	1.055	0.9236	0.8034	0.7871	0.8470	120-130	0.7037	3918	99.9,99.9
140	2.003	1.831	1.773	1.828	1.277	1.162	1.135	1.228	130-140	0.9416	3919	99.9,99.9
150	2.953	2.628	2.522	2.714	1.759	1.616	1.595	1.626	140-150	1.157	3920	99.9,99.9
160	3.280	2.890	2.822	3.100	1.993	1.840	1.827	1.808	150-160	1.084	3921	100,100
170	2.961	2.671	2.646	2.873	2.236	2.143	2.085	2.106	160-170	0.6963	3922	100,100
180	2.705	2.449	2.405	2.534	2.693	2.484	2.406	2.508	170-180	0.2375	3922	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%_2700:

LUMINANCE LIMITATION CURVES

Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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	10483	10179
80	11079	12308
75	11723	13576
70	12215	14355
65	12624	14703
60	12939	14924
55	13208	14953
50	13436	14943
45	13641	14898

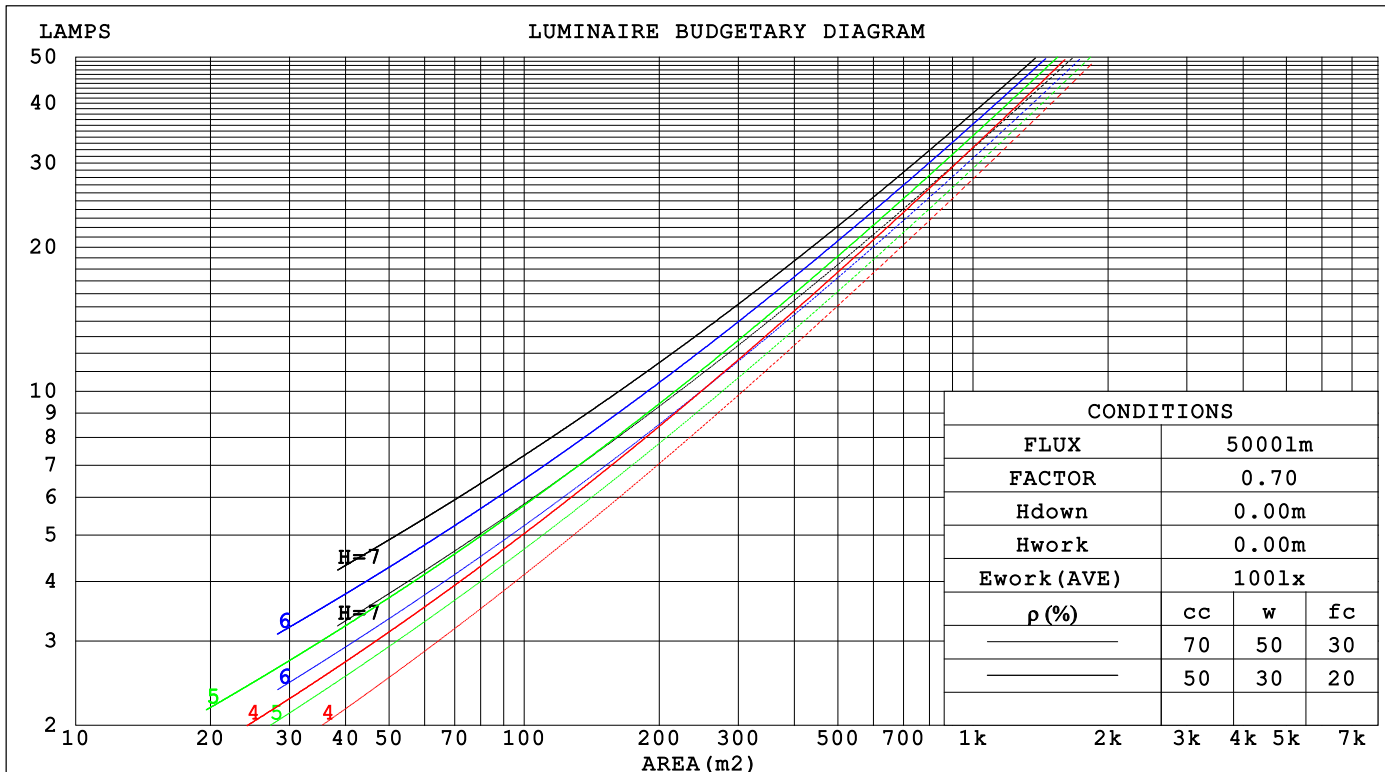
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-29

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%_2700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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 Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24



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%_2700K

WEC AND CCEC

Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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	.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	.228	.123	.037	.220	.120	.036		
5.0	.232	.118	.034	.228	.117	.034	.219	.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	.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	.088	.052	.094	.062	.036	.054	.036	.021	.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	.027	.013	.015	.009	.004		
8.0	.131	.071	.030	.113	.062	.026	.078	.043	.018	.045	.025	.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	.102	.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%_2700K

UGR(Unified Glare Rating) Table

Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm										
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K					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	21.9	23.4	22.2	23.6	23.9	22.6	24.1	22.9	24.3	24.5
3H	23.5	24.9	23.8	25.1	25.4	24.3	25.7	24.6	26.0	26.2
4H	24.2	25.5	24.5	25.8	26.0	25.0	26.4	25.4	26.6	26.9
6H	24.7	25.9	25.0	26.2	26.5	25.6	26.8	25.9	27.1	27.4
8H	24.9	26.1	25.2	26.4	26.7	25.7	26.9	26.1	27.2	27.5
12H	25.0	26.2	25.3	26.5	26.8	25.8	27.0	26.2	27.3	27.6
4H 2H	22.7	24.0	23.0	24.3	24.5	23.2	24.5	23.5	24.8	25.0
3H	24.4	25.6	24.8	25.9	26.2	25.1	26.3	25.5	26.6	26.9
4H	25.2	26.3	25.6	26.6	26.9	26.0	27.0	26.3	27.4	27.7
6H	25.8	26.8	26.2	27.1	27.5	26.6	27.6	27.0	27.9	28.3
8H	26.1	27.0	26.5	27.3	27.7	26.9	27.8	27.3	28.1	28.5
12H	26.2	27.1	26.7	27.5	27.9	27.0	27.8	27.4	28.2	28.6
8H 4H	25.6	26.5	26.0	26.8	27.2	26.2	27.1	26.7	27.5	27.9
6H	26.4	27.1	26.8	27.5	27.9	27.1	27.8	27.5	28.2	28.7
8H	26.7	27.4	27.2	27.8	28.2	27.4	28.1	27.9	28.5	28.9
12H	27.0	27.5	27.4	28.0	28.5	27.6	28.2	28.1	28.7	29.1
12H 4H	25.6	26.4	26.0	26.8	27.2	26.3	27.1	26.7	27.5	27.9
6H	26.5	27.1	26.9	27.6	28.0	27.1	27.8	27.6	28.2	28.7
8H	26.8	27.4	27.3	27.9	28.3	27.5	28.1	28.0	28.5	29.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 3922 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.7)
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%_2700K

UTILIZATION FACTORS TABLE

Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

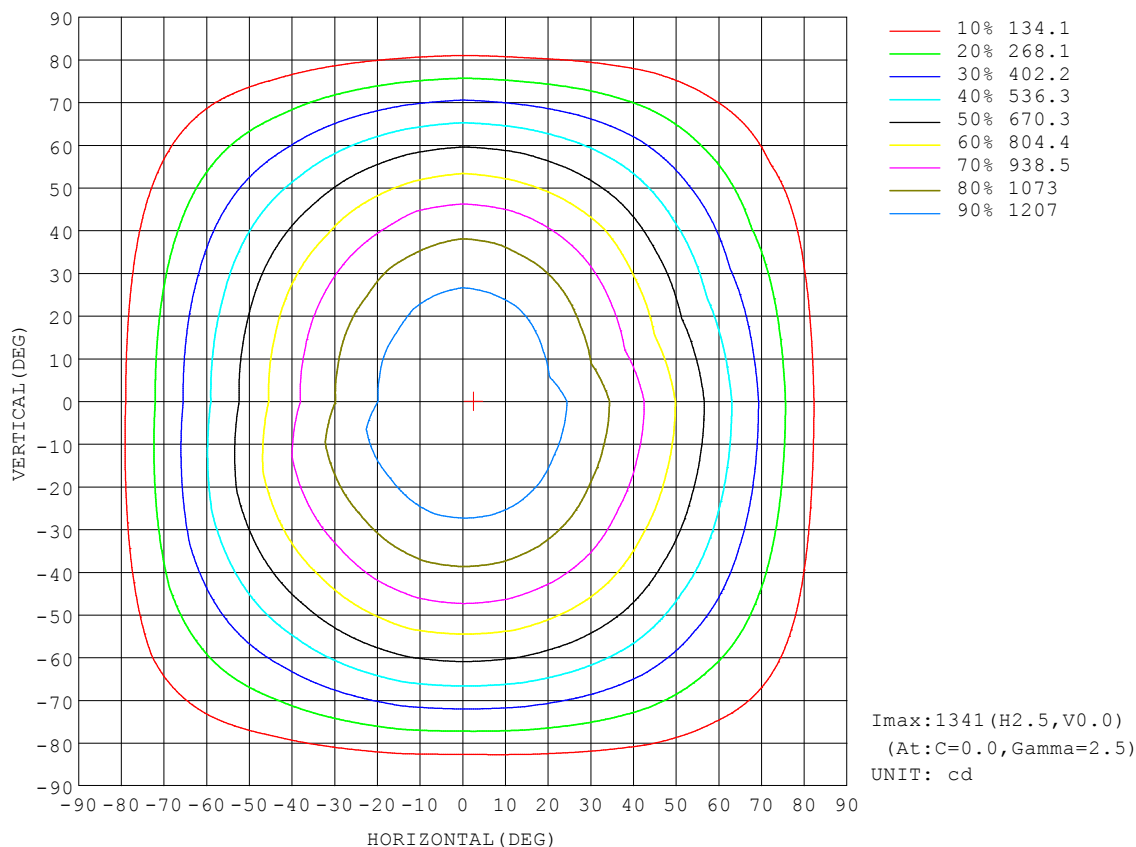
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	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	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	85	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	77
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: 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%_2700K

ISOCANDELA DIAGRAM

Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

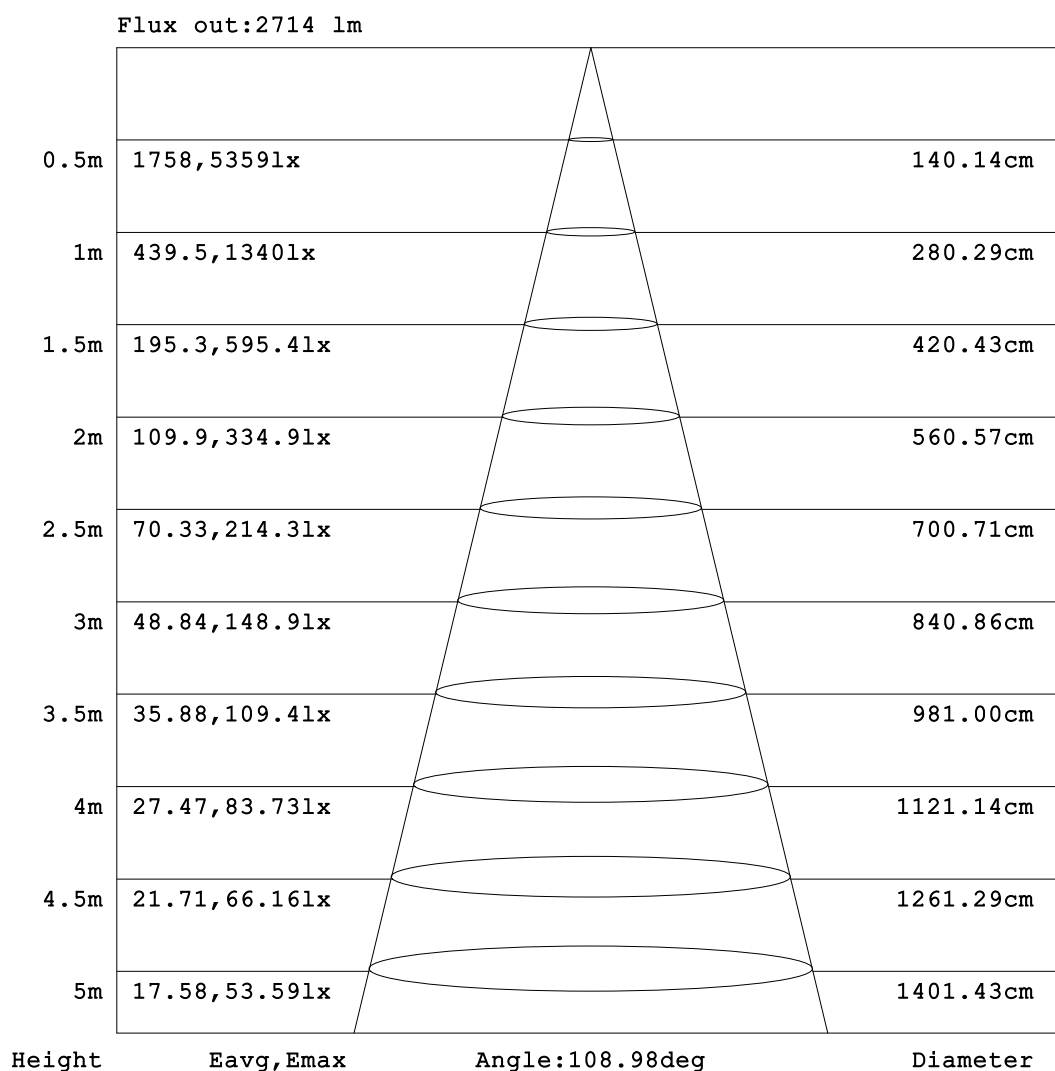


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1°C
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γ Range: 0 - 180DEG
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Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

AAI Figure

Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



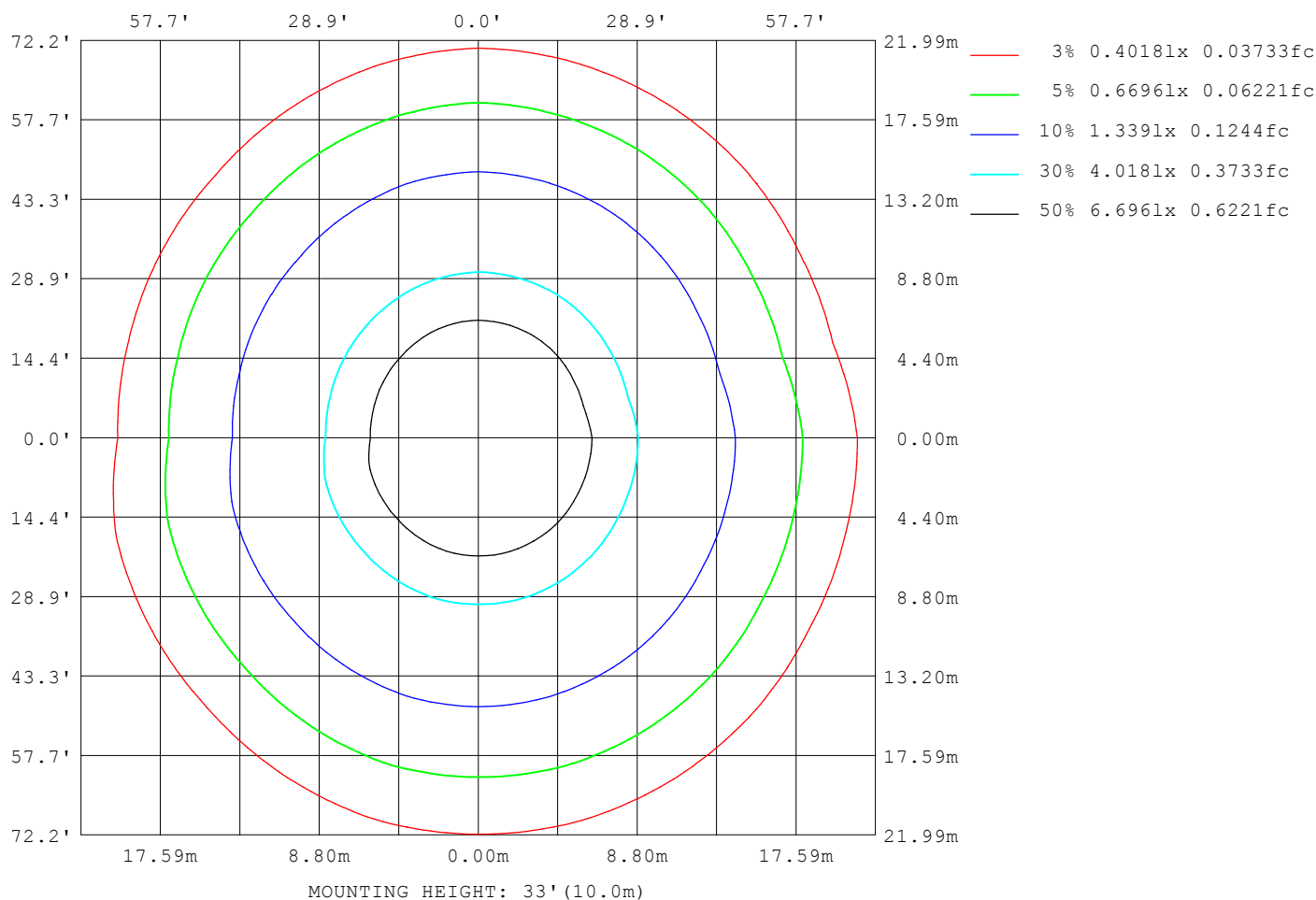
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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%_2700K

ISOLUX DIAGRAM

Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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
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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%_2700K

LED Avg.L Report

Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

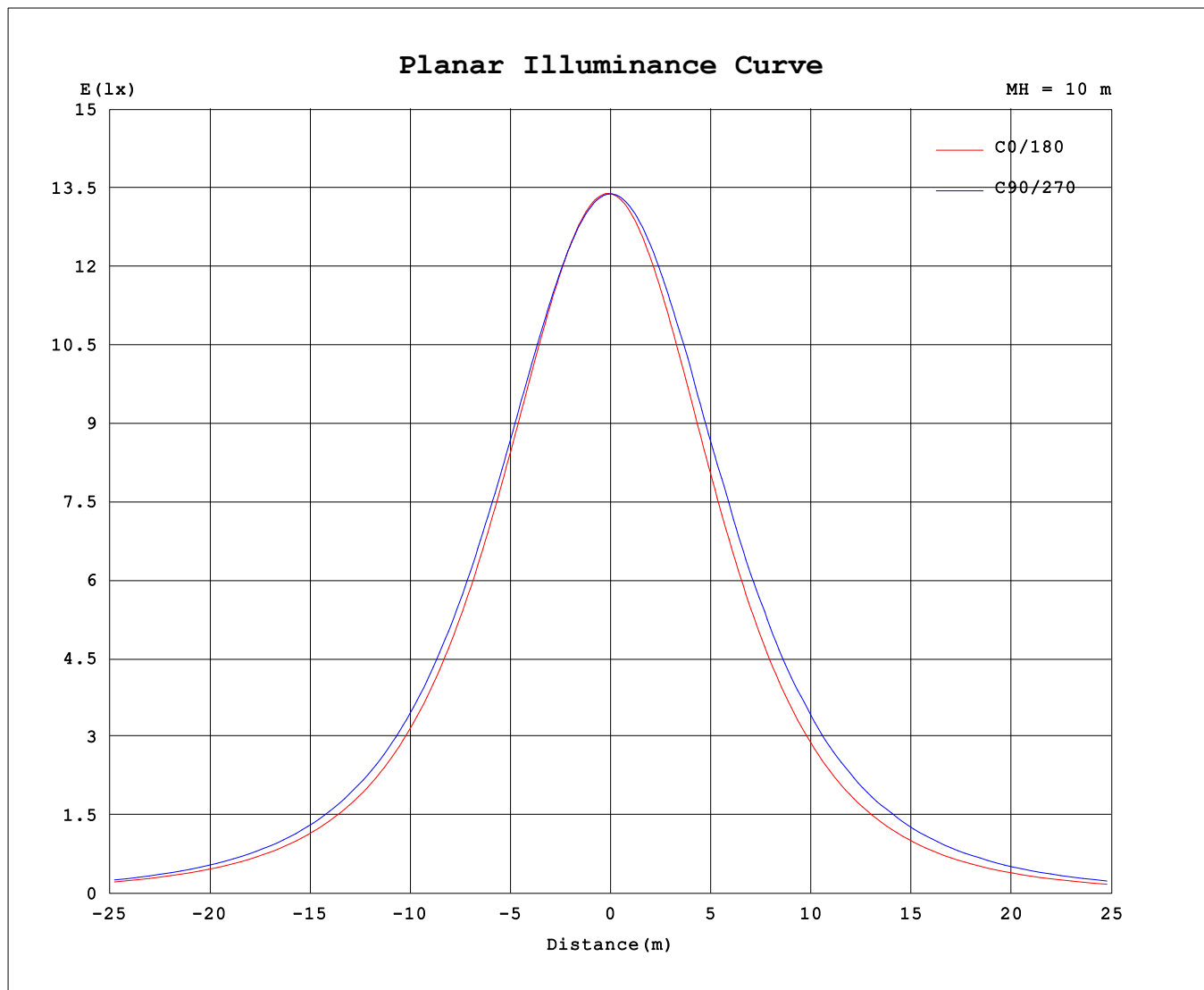
AvgL	cd/m2
L_0~180 (65) av	11575
L_0~180 (75) av	10214
L_0~180 (85) av	7322
L_90~270 (65) av	14268
L_90~270 (75) av	12733
L_90~270 (85) av	8125
L_45 (65) av	12736
L_45 (75) av	11284
L_45 (85) av	7807

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%_2700K

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%_2700:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339	1339
5	1339	1338	1337	1337	1336	1336	1335	1335	1335	1334	1335	1335	1325	1326	1328	1328	1331	1333	1334
10	1324	1323	1322	1324	1324	1323	1322	1322	1320	1317	1318	1318	1298	1300	1304	1306	1312	1317	1320
15	1295	1294	1294	1299	1301	1301	1300	1299	1295	1290	1289	1287	1257	1261	1268	1274	1284	1292	1297
20	1253	1252	1254	1263	1267	1270	1269	1267	1260	1251	1248	1243	1204	1209	1220	1229	1244	1257	1266
25	1200	1200	1204	1217	1225	1231	1229	1228	1215	1202	1196	1188	1141	1149	1162	1175	1199	1213	1222
30	1136	1135	1143	1160	1172	1179	1179	1176	1161	1143	1134	1123	1069	1077	1095	1113	1138	1164	1177
35	1063	1064	1073	1096	1110	1121	1121	1117	1097	1075	1062	1049	990	1000	1020	1040	1076	1096	1110
40	982	982	994	1020	1039	1053	1057	1049	1026	999	983	968	904	913	936	961	994	1025	1039
45	894	896	909	940	960	975	977	971	947	914	896	879	813	824	847	873	910	949	962
50	801	802	817	848	871	888	891	884	856	823	804	785	717	727	752	777	821	851	874
55	702	705	719	752	775	793	795	788	759	724	704	685	618	629	652	677	716	755	773
60	600	602	616	648	671	688	692	684	654	620	602	583	516	525	547	569	608	641	660
65	495	497	509	539	560	577	576	571	542	510	493	476	412	421	440	458	493	524	542
70	387	389	399	426	442	455	455	450	424	396	384	370	309	316	332	344	373	399	416
75	281	282	289	311	322	329	326	324	303	281	274	263	209	214	225	232	252	272	285
80	178	179	183	198	202	203	198	199	184	170	169	162	115	118	125	125	137	149	158
85	84.7	84.3	84.7	94.3	92.7	88.9	82.3	85.0	77.5	70.1	73.2	68.9	33.6	34.9	37.9	34.3	39.3	44.1	49.1
90	13.0	13.0	11.7	14.5	11.2	7.75	7.18	6.04	6.07	4.54	6.43	5.74	0.19	0.21	0.18	0.18	0.27	0.46	0.63
95	0.21	0.23	0.20	0.20	0.19	0.19	0.18	0.18	0.18	0.19	0.18	0.20	0.23	0.25	0.21	0.21	0.21	0.20	0.20
100	0.38	0.40	0.38	0.36	0.35	0.34	0.34	0.32	0.33	0.34	0.32	0.33	0.28	0.29	0.25	0.25	0.24	0.24	0.25
105	0.48	0.50	0.48	0.48	0.48	0.47	0.46	0.47	0.48	0.49	0.48	0.49	0.34	0.34	0.30	0.30	0.29	0.29	0.29
110	0.57	0.59	0.57	0.56	0.56	0.55	0.55	0.55	0.57	0.58	0.57	0.58	0.41	0.41	0.37	0.37	0.35	0.35	0.36
115	0.67	0.69	0.66	0.64	0.64	0.63	0.61	0.63	0.66	0.67	0.66	0.68	0.51	0.50	0.46	0.45	0.44	0.43	0.44
120	0.76	0.77	0.75	0.73	0.72	0.63	0.68	0.69	0.72	0.74	0.76	0.78	0.63	0.61	0.57	0.55	0.54	0.54	0.55
125	0.88	0.90	0.87	0.83	0.81	0.79	0.80	0.78	0.78	0.79	0.80	0.84	0.77	0.74	0.69	0.68	0.66	0.67	0.66
130	1.18	1.18	1.14	1.07	1.06	1.04	1.06	1.03	1.04	1.06	1.04	1.10	0.92	0.89	0.82	0.80	0.79	0.82	0.79
135	1.53	1.53	1.47	1.40	1.38	1.35	1.38	1.34	1.36	1.39	1.38	1.44	1.08	1.04	0.98	0.95	0.93	0.98	0.93
140	2.00	1.98	1.91	1.83	1.78	1.72	1.77	1.76	1.78	1.83	1.84	1.90	1.28	1.24	1.18	1.16	1.15	1.19	1.14
145	2.50	2.47	2.41	2.27	2.18	2.11	2.18	2.18	2.23	2.29	2.32	2.37	1.51	1.47	1.43	1.39	1.41	1.44	1.37
150	2.95	2.88	2.78	2.63	2.51	2.48	2.52	2.53	2.61	2.71	2.75	2.83	1.76	1.71	1.63	1.62	1.62	1.65	1.59
155	3.23	3.11	3.00	2.88	2.73	2.75	2.76	2.83	2.87	3.01	3.11	3.18	1.91	1.87	1.79	1.76	1.73	1.73	1.74
160	3.28	3.13	3.02	2.89	2.80	2.82	2.82	2.90	2.95	3.10	3.22	3.33	1.99	1.97	1.89	1.84	1.81	1.81	1.83
165	3.17	3.04	2.90	2.78	2.75	2.75	2.76	2.85	2.90	3.02	3.17	3.26	2.07	2.06	1.99	1.92	1.90	1.90	1.92
170	2.96	2.87	2.75	2.67	2.64	2.62	2.65	2.72	2.78	2.87	3.00	3.08	2.24	2.23	2.18	2.14	2.10	2.09	2.08
175	2.73	2.70	2.58	2.53	2.49	2.49	2.51	2.58	2.63	2.69	2.81	2.90	2.44	2.44	2.43	2.37	2.31	2.28	2.25
180	2.70	2.56	2.48	2.45	2.42	2.41	2.41	2.46	2.50	2.53	2.62	2.70	2.69	2.69	2.56	2.48	2.45	2.42	2.41

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%_2700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.95V I:0.2627A P:31.312W PF:0.9935 Freq:60.01Hz Lamp Flux:3921.75x1 lm		
NAME: VLTG-3S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K	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	1339	1339	1339	1339	1339													
5	1334	1334	1333	1330	1328													
10	1319	1318	1315	1308	1304													
15	1295	1292	1285	1274	1267													
20	1264	1255	1245	1229	1219													
25	1217	1212	1193	1172	1159													
30	1171	1152	1139	1107	1091													
35	1102	1090	1063	1032	1014													
40	1031	1012	986	953	931													
45	955	928	900	864	841													
50	862	837	812	768	746													
55	760	741	706	668	648													
60	648	628	600	563	545													
65	531	513	489	456	441													
70	405	393	375	346	335													
75	276	270	260	239	232													
80	152	153	150	136	134													
85	46.2	50.8	53.7	47.2	48.0													
90	0.53	0.97	2.31	2.43	3.29													
95	0.22	0.23	0.23	0.23	0.25													
100	0.26	0.28	0.28	0.28	0.30													
105	0.32	0.34	0.34	0.34	0.36													
110	0.39	0.41	0.42	0.42	0.44													
115	0.50	0.50	0.51	0.52	0.54													
120	0.62	0.61	0.62	0.64	0.67													
125	0.73	0.72	0.72	0.76	0.81													
130	0.87	0.87	0.85	0.89	0.95													
135	1.01	1.00	0.99	1.02	1.10													
140	1.22	1.21	1.23	1.22	1.30													
145	1.47	1.45	1.45	1.49	1.53													
150	1.61	1.62	1.63	1.70	1.73													
155	1.74	1.70	1.72	1.79	1.84													
160	1.84	1.82	1.81	1.85	1.93													
165	1.93	1.94	1.93	1.96	2.02													
170	2.09	2.10	2.11	2.15	2.22													
175	2.25	2.27	2.29	2.34	2.40													
180	2.42	2.46	2.51	2.55	2.62													

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%_2700: