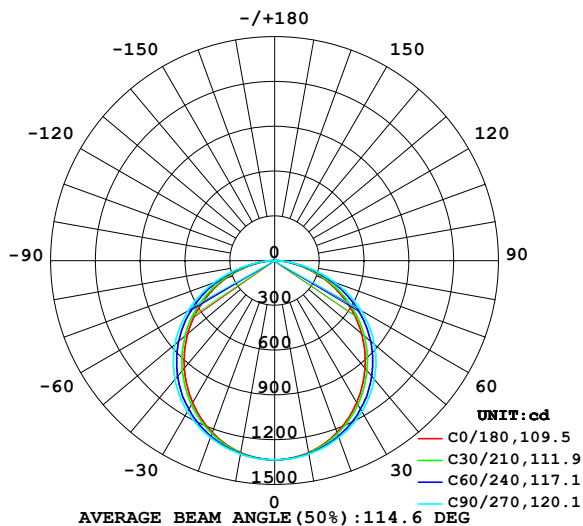


LUMINAIRE PHOTOMETRIC TEST REPORT

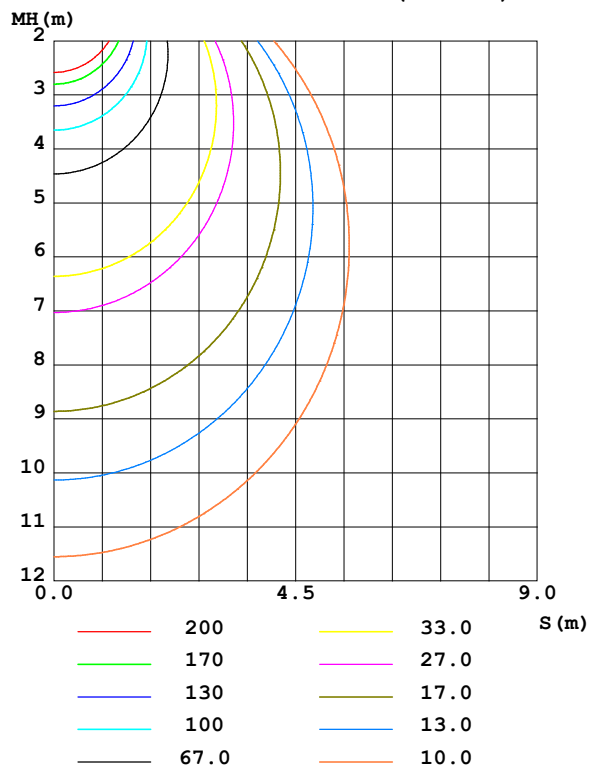
Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%-2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 125.59 lm/W
MODEL		I _{max} (cd)	1334	S/MH(C0/180)	1.23	
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.30	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3898.2	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	3898.17	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)	120.078	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:27.2℃
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%-2700K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

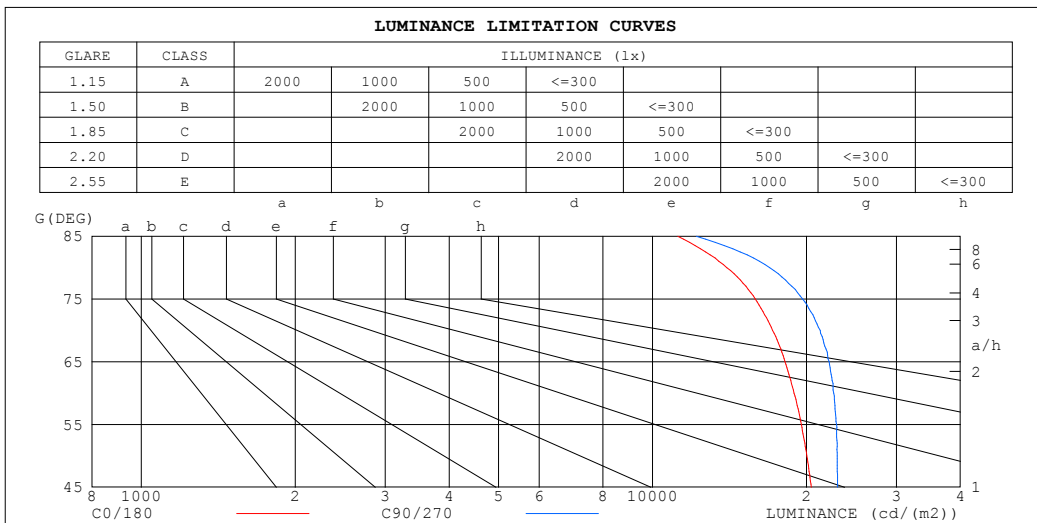
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1306	1311	1316	1311	1306	1311	1316	1311	0- 10	126.2	126.2	3.24,3.24
20	1225	1242	1260	1242	1225	1242	1260	1242	10- 20	361.8	488.0	12.5,12.5
30	1099	1132	1170	1132	1099	1132	1170	1132	20- 30	549.6	1038	26.6,26.6
40	941.4	986.3	1039	986.3	941.4	986.3	1039	986.3	30- 40	666.0	1704	43.7,43.7
50	760.7	810.8	872.7	810.8	760.7	810.8	872.7	810.8	40- 50	697.3	2401	61.6,61.6
60	558.8	607.8	668.0	607.8	558.8	607.8	668.0	607.8	50- 60	638.7	3040	78,78
70	347.0	382.3	429.7	382.3	347.0	382.3	429.7	382.3	60- 70	494.0	3534	90.6,90.6
80	143.3	156.5	173.8	156.5	143.3	156.5	173.8	156.5	70- 80	284.7	3818	98,98
90	8.186	5.338	2.803	5.338	8.186	5.338	2.803	5.338	80- 90	73.10	3891	99.8,99.8
100	0.3294	0.3263	0.2936	0.3263	0.3294	0.3263	0.2936	0.3263	90-100	0.8210	3892	99.8,99.8
110	0.4935	0.4876	0.4487	0.4876	0.4935	0.4876	0.4487	0.4876	100-110	0.4272	3893	99.9,99.9
120	0.6863	0.6644	0.6173	0.6644	0.6863	0.6644	0.6173	0.6644	110-120	0.5666	3893	99.9,99.9
130	1.031	0.9687	0.9436	0.9687	1.031	0.9687	0.9436	0.9687	120-130	0.7107	3894	99.9,99.9
140	1.604	1.534	1.487	1.534	1.604	1.534	1.487	1.534	130-140	0.9562	3895	99.9,99.9
150	2.300	2.166	2.113	2.166	2.300	2.166	2.113	2.166	140-150	1.172	3896	99.9,99.9
160	2.580	2.430	2.366	2.430	2.580	2.430	2.366	2.430	150-160	1.089	3897	100,100
170	2.542	2.422	2.365	2.422	2.542	2.422	2.365	2.422	160-170	0.6925	3898	100,100
180	2.662	2.493	2.416	2.493	2.662	2.493	2.416	2.493	170-180	0.2352	3898	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700:

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm		
NAME: VLTG-2S-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	11211	12180
80	13978	16954
75	15887	19666
70	17180	21278
65	18164	22157
60	18925	22623
55	19541	22894
50	20041	22992
45	20433	23015

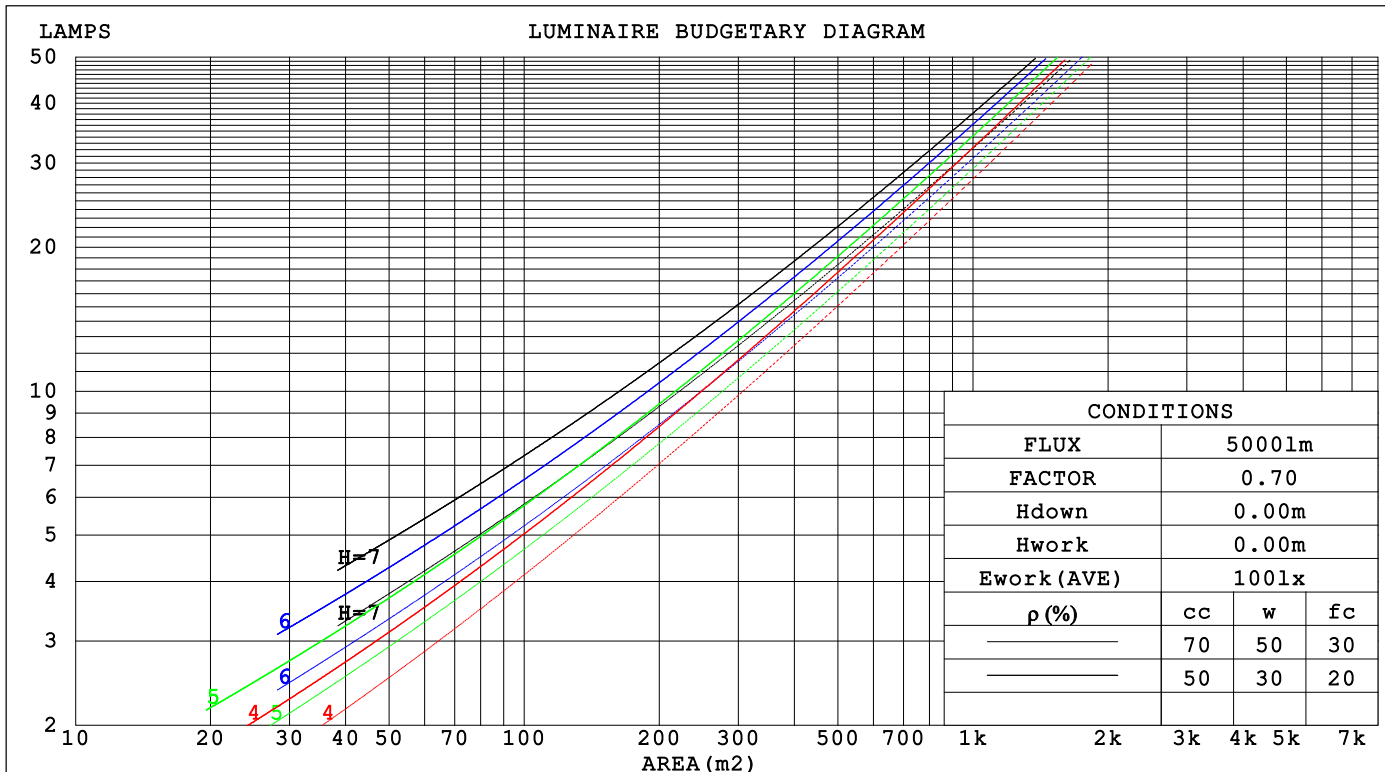
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 45.1%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm		
NAME: VLTG-2S-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															



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

WEC AND CCEC

Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm		
NAME: VLTG-2S-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	.305	.174	.055	.292	.168	.054	.280	.161	.052	.268	.156	.050		
2.0	.294	.161	.049	.288	.159	.049	.276	.154	.048	.265	.149	.047	.255	.144	.046		
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.238	.132	.041		
4.0	.251	.130	.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	.204	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.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	.019	.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:27.2°C
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm										
NAME: VLTG-2S-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	23.1	24.6	23.4	24.8	25.1	23.9	25.4	24.2	25.6	25.9
3H	24.6	26.0	24.9	26.2	26.5	25.6	27.0	25.9	27.2	27.5
4H	25.2	26.5	25.5	26.8	27.0	26.2	27.6	26.5	27.8	28.1
6H	25.6	26.8	25.9	27.1	27.4	26.7	27.9	27.0	28.2	28.5
8H	25.7	26.9	26.0	27.2	27.5	26.8	28.0	27.1	28.3	28.6
12H	25.7	26.9	26.1	27.2	27.5	26.8	28.0	27.2	28.3	28.6
4H 2H	23.8	25.2	24.1	25.4	25.7	24.4	25.8	24.8	26.0	26.3
3H	25.5	26.7	25.8	26.9	27.3	26.3	27.5	26.7	27.8	28.1
4H	26.2	27.2	26.5	27.6	27.9	27.1	28.2	27.5	28.5	28.8
6H	26.7	27.6	27.1	28.0	28.4	27.7	28.6	28.1	29.0	29.3
8H	26.8	27.7	27.3	28.1	28.5	27.8	28.7	28.2	29.1	29.5
12H	26.9	27.8	27.4	28.2	28.6	27.9	28.7	28.4	29.1	29.5
8H 4H	26.5	27.4	26.9	27.8	28.1	27.3	28.2	27.7	28.6	29.0
6H	27.1	27.9	27.6	28.3	28.7	28.0	28.8	28.5	29.2	29.6
8H	27.4	28.0	27.8	28.5	28.9	28.3	28.9	28.7	29.4	29.8
12H	27.5	28.1	28.0	28.6	29.0	28.4	29.0	28.9	29.4	29.9
12H 4H	26.5	27.3	26.9	27.7	28.1	27.3	28.1	27.7	28.5	28.9
6H	27.2	27.9	27.7	28.3	28.8	28.1	28.7	28.5	29.1	29.6
8H	27.5	28.1	28.0	28.5	29.0	28.3	28.9	28.8	29.4	29.8
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, 3898 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.7)
Area: 0.05905 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm		
NAME: VLTG-2S-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:

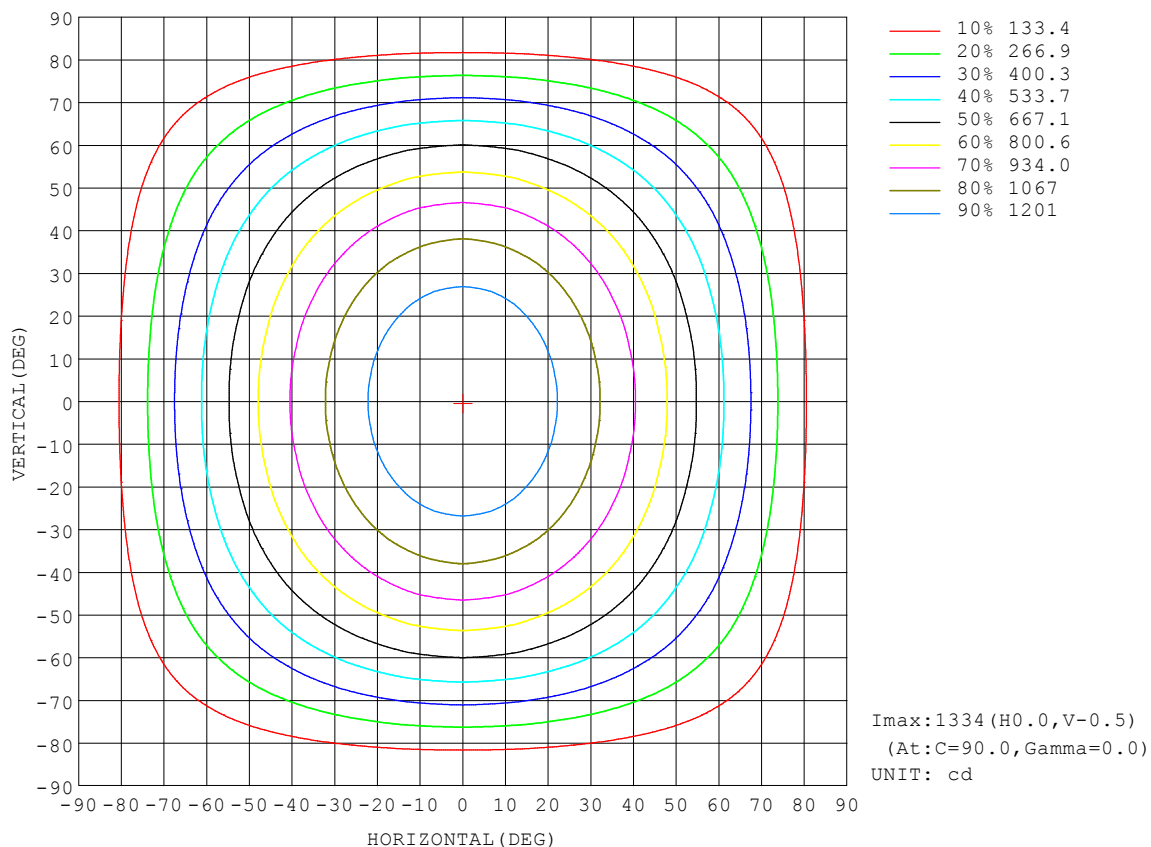
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	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	64	56
1.50	88	78	71	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	78
4.00	106	100	96	104	98	94	99	95	91	83
5.00	108	104	100	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: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 45.1%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

ISOCANDELA DIAGRAM

Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm		
NAME: VLTG-2S-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:

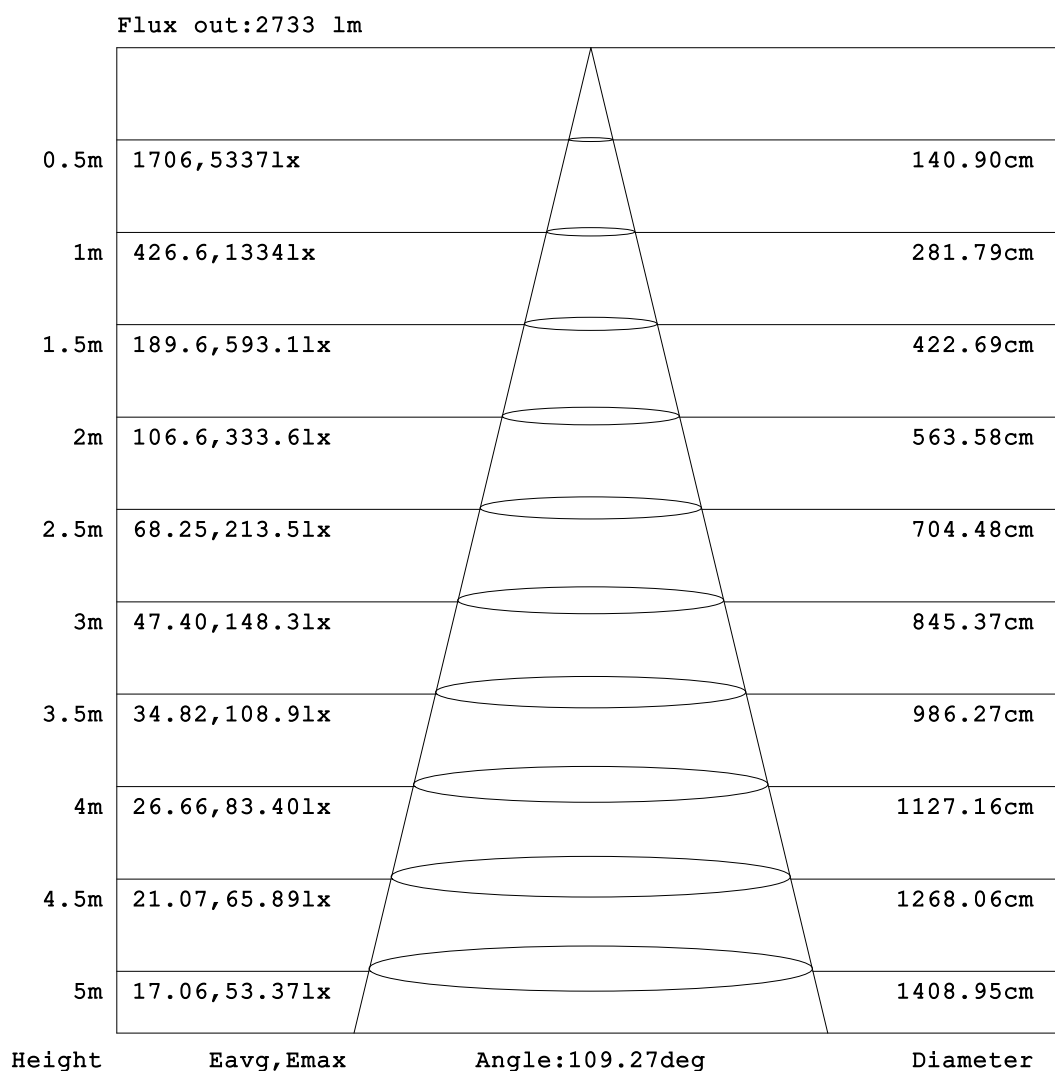


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

AAI Figure

Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm		
NAME: VLTG-2S-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:



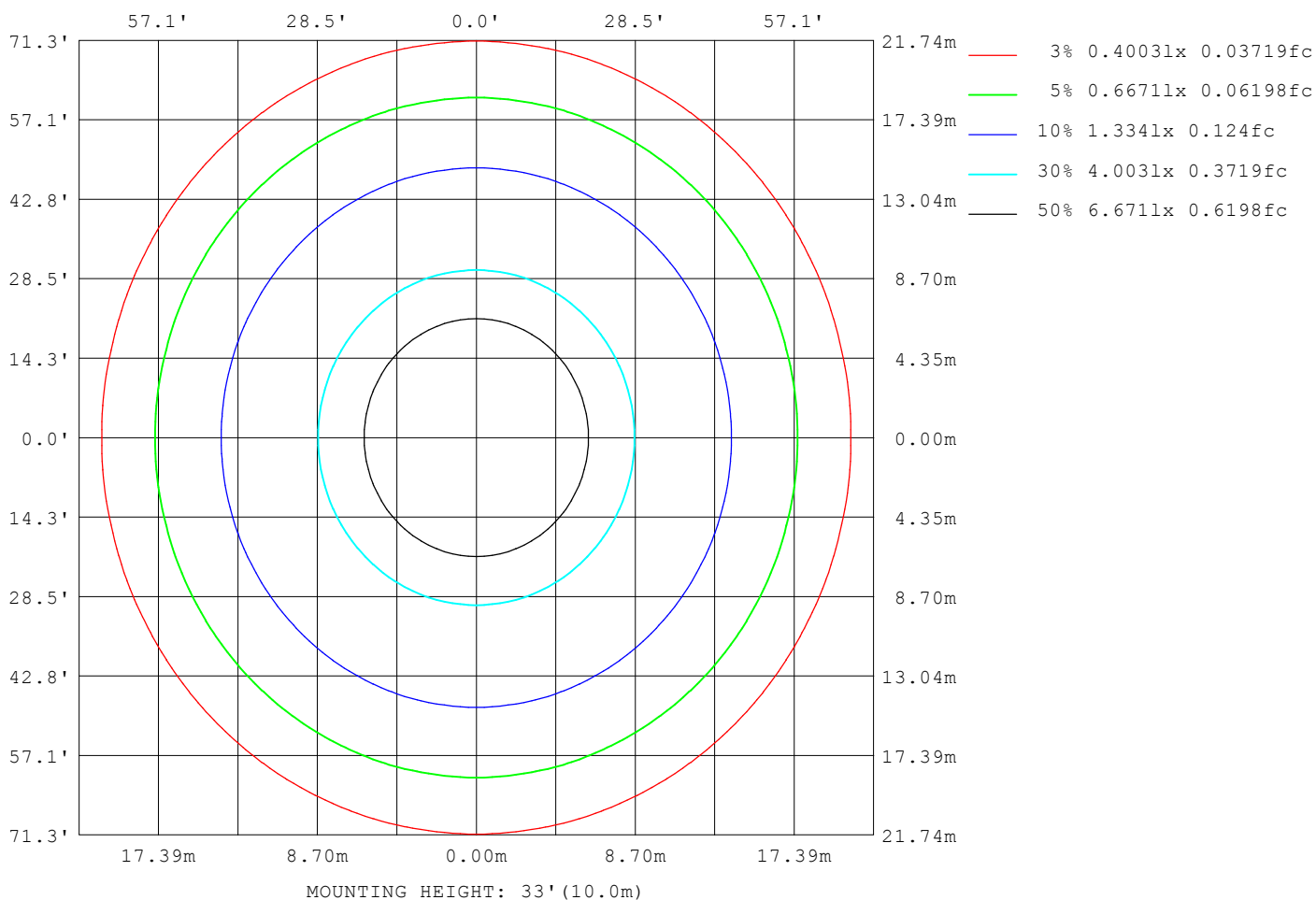
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

ISOLUX DIAGRAM

Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm		
NAME: VLTG-2S-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:27.2°C
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700K

LED Avg.L Report

Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm		
NAME: VLTG-2S-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:

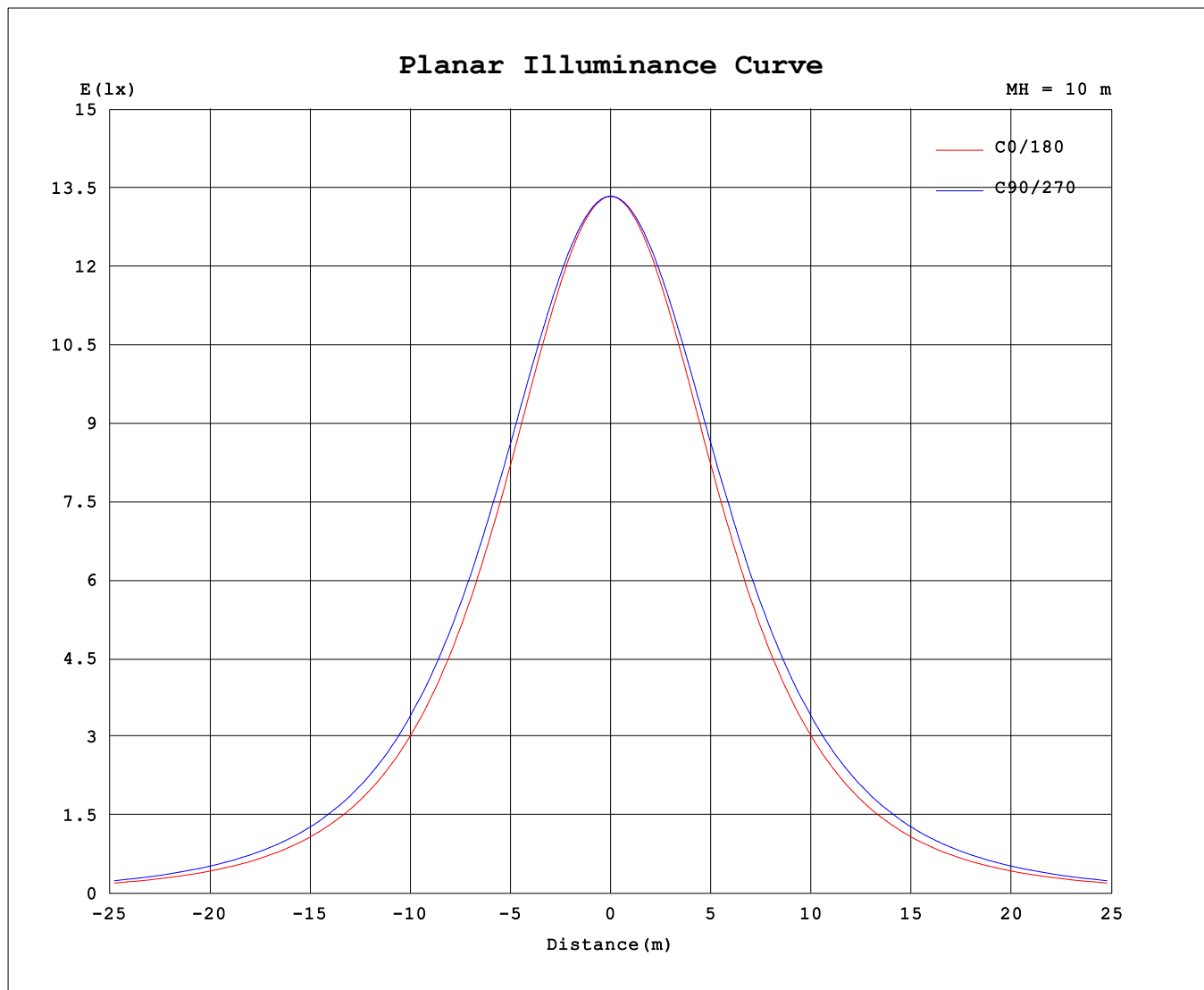
AvgL	cd/m2
L_0~180 (65) av	18164
L_0~180 (75) av	15887
L_0~180 (85) av	11211
L_90~270 (65) av	22157
L_90~270 (75) av	19666
L_90~270 (85) av	12180
L_45 (65) av	19931
L_45 (75) av	17470
L_45 (85) av	11701

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-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: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-27

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 45.1%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm		
NAME: VLTG-2S-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	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334
5	1327	1327	1328	1328	1329	1329	1330	1329	1329	1328	1328	1327	1327	1327	1328	1328	1329	1329	1330
10	1306	1306	1308	1311	1313	1315	1316	1315	1313	1311	1308	1306	1306	1306	1308	1311	1313	1315	1316
15	1271	1273	1276	1282	1287	1291	1293	1291	1287	1282	1276	1273	1271	1273	1276	1282	1287	1291	1293
20	1225	1226	1233	1242	1251	1258	1260	1258	1251	1242	1233	1226	1225	1226	1233	1242	1251	1258	1260
25	1166	1170	1179	1192	1206	1216	1219	1216	1206	1192	1179	1170	1166	1170	1179	1192	1206	1216	1219
30	1099	1103	1115	1132	1150	1164	1170	1164	1150	1132	1115	1103	1099	1103	1115	1132	1150	1164	1170
35	1023	1028	1042	1063	1087	1102	1108	1102	1087	1063	1042	1028	1023	1028	1042	1063	1087	1102	1108
40	941	946	962	986	1011	1032	1039	1032	1011	986	962	946	941	946	962	986	1011	1032	1039
45	853	859	877	901	930	953	961	953	930	901	877	859	853	859	877	901	930	953	961
50	761	766	784	811	839	862	873	862	839	811	784	766	761	766	784	811	839	862	873
55	662	668	686	712	742	765	775	765	742	712	686	668	662	668	686	712	742	765	775
60	559	564	582	608	635	659	668	659	635	608	582	564	559	564	582	608	635	659	668
65	453	458	473	497	523	544	553	544	523	497	473	458	453	458	473	497	523	544	553
70	347	351	363	382	405	422	430	422	405	382	363	351	347	351	363	382	405	422	430
75	243	245	254	267	283	296	301	296	283	267	254	245	243	245	254	267	283	296	301
80	143	145	149	157	165	172	174	172	165	157	149	145	143	145	149	157	165	172	174
85	57.7	57.2	58.4	60.2	61.9	62.5	62.7	62.5	61.9	60.2	58.4	57.2	57.7	57.2	58.4	60.2	61.9	62.5	62.7
90	8.19	7.14	6.38	5.34	4.09	3.43	2.80	3.43	4.09	5.34	6.38	7.14	8.19	7.14	6.38	5.34	4.09	3.43	2.80
95	0.22	0.23	0.22	0.21	0.20	0.20	0.21	0.20	0.20	0.21	0.22	0.23	0.22	0.23	0.22	0.21	0.20	0.20	0.21
100	0.33	0.34	0.33	0.33	0.32	0.30	0.29	0.30	0.32	0.33	0.33	0.34	0.33	0.34	0.33	0.33	0.32	0.30	0.29
105	0.41	0.42	0.41	0.41	0.40	0.38	0.37	0.38	0.40	0.41	0.41	0.42	0.41	0.42	0.41	0.41	0.40	0.38	0.37
110	0.49	0.51	0.49	0.49	0.48	0.46	0.45	0.46	0.48	0.49	0.49	0.51	0.49	0.51	0.49	0.49	0.48	0.46	0.45
115	0.59	0.61	0.58	0.58	0.56	0.55	0.53	0.55	0.56	0.58	0.58	0.61	0.59	0.61	0.58	0.58	0.56	0.55	0.53
120	0.69	0.71	0.68	0.66	0.64	0.62	0.62	0.62	0.64	0.66	0.68	0.71	0.69	0.71	0.68	0.66	0.64	0.62	0.62
125	0.81	0.83	0.80	0.77	0.75	0.75	0.74	0.75	0.75	0.77	0.80	0.83	0.81	0.83	0.80	0.77	0.75	0.75	0.74
130	1.03	1.05	1.00	0.97	0.95	0.96	0.94	0.96	0.95	0.97	1.00	1.05	1.03	1.05	1.00	0.97	0.95	0.96	0.94
135	1.28	1.29	1.24	1.20	1.19	1.19	1.18	1.19	1.19	1.20	1.24	1.29	1.28	1.29	1.24	1.20	1.19	1.19	1.18
140	1.60	1.62	1.57	1.53	1.52	1.51	1.49	1.51	1.52	1.53	1.57	1.62	1.60	1.62	1.57	1.53	1.52	1.51	1.49
145	1.96	1.97	1.92	1.87	1.86	1.85	1.82	1.85	1.86	1.87	1.92	1.97	1.96	1.97	1.92	1.87	1.86	1.85	1.82
150	2.30	2.29	2.25	2.17	2.11	2.11	2.11	2.11	2.11	2.17	2.25	2.29	2.30	2.29	2.25	2.17	2.11	2.11	2.11
155	2.51	2.50	2.43	2.37	2.28	2.29	2.30	2.29	2.28	2.37	2.43	2.50	2.51	2.50	2.43	2.37	2.28	2.29	2.30
160	2.58	2.58	2.49	2.43	2.36	2.37	2.37	2.37	2.36	2.43	2.49	2.58	2.58	2.58	2.49	2.43	2.36	2.37	2.37
165	2.57	2.56	2.48	2.40	2.36	2.38	2.36	2.38	2.36	2.40	2.48	2.56	2.57	2.56	2.48	2.40	2.36	2.38	2.36
170	2.54	2.56	2.49	2.42	2.39	2.37	2.37	2.37	2.39	2.42	2.49	2.56	2.54	2.56	2.49	2.42	2.39	2.37	2.37
175	2.55	2.58	2.51	2.46	2.42	2.39	2.38	2.39	2.42	2.46	2.51	2.58	2.55	2.58	2.51	2.46	2.42	2.39	2.38
180	2.66	2.63	2.54	2.49	2.46	2.43	2.42	2.43	2.46	2.49	2.54	2.63	2.66	2.63	2.54	2.49	2.46	2.43	2.42

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%-2700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.2602A P:31.040W PF:0.9932 Freq:60.01Hz Lamp Flux:3898.17x1 lm		
NAME: VLTG-2S-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	1334	1334	1334	1334	1334													
5	1329	1329	1328	1328	1327													
10	1315	1313	1311	1308	1306													
15	1291	1287	1282	1276	1273													
20	1258	1251	1242	1233	1226													
25	1216	1206	1192	1179	1170													
30	1164	1150	1132	1115	1103													
35	1102	1087	1063	1042	1028													
40	1032	1011	986	962	946													
45	953	930	901	877	859													
50	862	839	811	784	766													
55	765	742	712	686	668													
60	659	635	608	582	564													
65	544	523	497	473	458													
70	422	405	382	363	351													
75	296	283	267	254	245													
80	172	165	157	149	145													
85	62.5	61.9	60.2	58.4	57.2													
90	3.43	4.09	5.34	6.38	7.14													
95	0.20	0.20	0.21	0.22	0.23													
100	0.30	0.32	0.33	0.33	0.34													
105	0.38	0.40	0.41	0.41	0.42													
110	0.46	0.48	0.49	0.49	0.51													
115	0.55	0.56	0.58	0.58	0.61													
120	0.62	0.64	0.66	0.68	0.71													
125	0.75	0.75	0.77	0.80	0.83													
130	0.96	0.95	0.97	1.00	1.05													
135	1.19	1.19	1.20	1.24	1.29													
140	1.51	1.52	1.53	1.57	1.62													
145	1.85	1.86	1.87	1.92	1.97													
150	2.11	2.11	2.17	2.25	2.29													
155	2.29	2.28	2.37	2.43	2.50													
160	2.37	2.36	2.43	2.49	2.58													
165	2.38	2.36	2.40	2.48	2.56													
170	2.37	2.39	2.42	2.49	2.56													
175	2.39	2.42	2.46	2.51	2.58													
180	2.43	2.46	2.49	2.54	2.63													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2℃
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:45.1%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_2700: