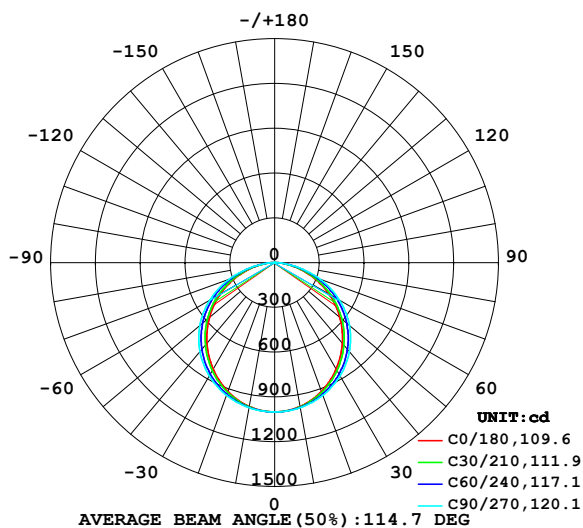


LUMINAIRE PHOTOMETRIC TEST REPORT

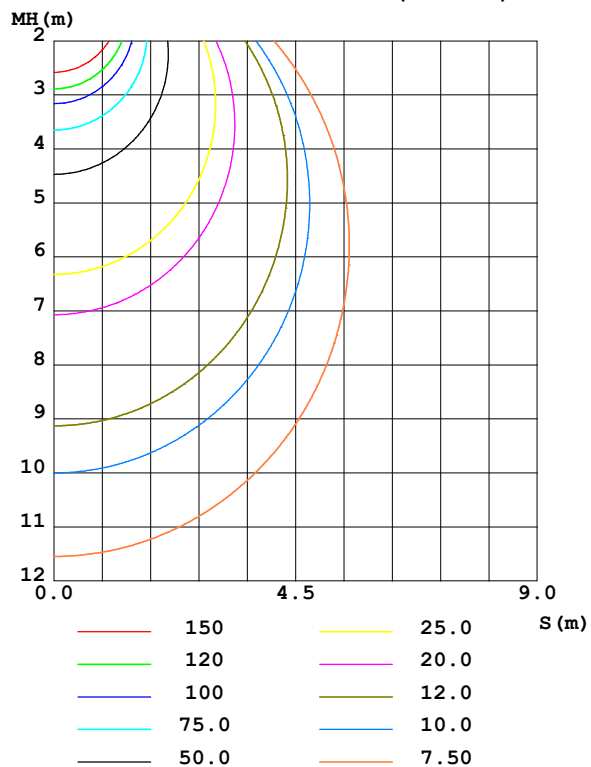
Test:U:120.26V I:0.1945A P:23.129W PF:0.9891 Freq:60.01Hz Lamp Flux:2925.53x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 126.49 lm/W
MODEL		I _{max} (cd)	1001	S/MH(C0/180)	1.23	
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.30	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2925.5	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	2925.53	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)	120.251	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: 27.6°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: 44.0%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

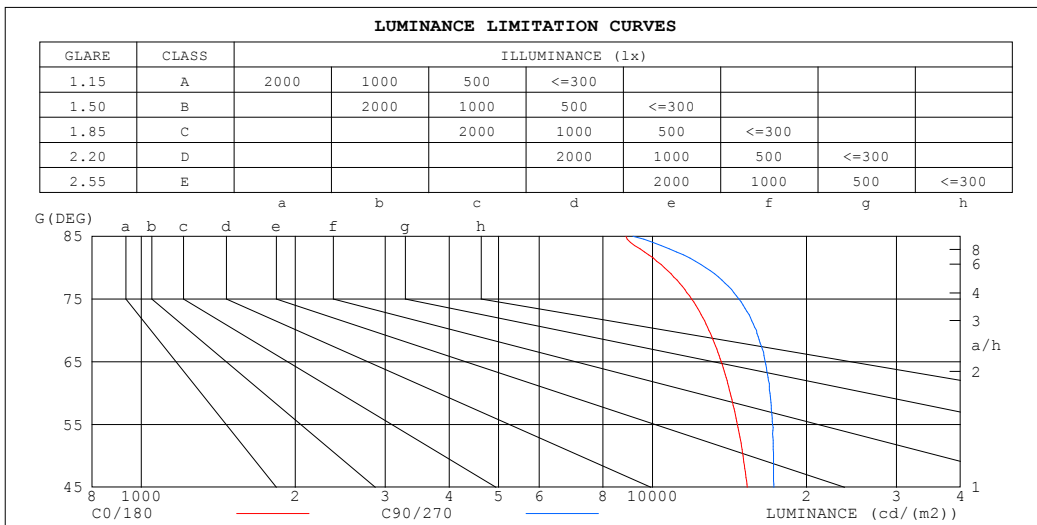
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	978.5	983.0	986.9	983.0	978.5	983.0	986.9	983.0	0- 10	94.67	94.67	3.24,3.24
20	917.8	931.5	945.3	931.5	917.8	931.5	945.3	931.5	10- 20	271.3	366.0	12.5,12.5
30	823.9	849.1	877.2	849.1	823.9	849.1	877.2	849.1	20- 30	412.2	778.2	26.6,26.6
40	705.9	739.9	779.2	739.9	705.9	739.9	779.2	739.9	30- 40	499.6	1278	43.7,43.7
50	570.5	608.3	654.6	608.3	570.5	608.3	654.6	608.3	40- 50	523.2	1801	61.6,61.6
60	418.9	456.4	501.2	456.4	418.9	456.4	501.2	456.4	50- 60	479.4	2280	77.9,77.9
70	260.4	287.0	322.6	287.0	260.4	287.0	322.6	287.0	60- 70	370.7	2651	90.6,90.6
80	108.2	117.7	130.3	117.7	108.2	117.7	130.3	117.7	70- 80	213.8	2865	97.9,97.9
90	7.838	4.777	2.391	4.777	7.838	4.777	2.391	4.777	80- 90	55.55	2920	99.8,99.8
100	0.2450	0.2435	0.2195	0.2435	0.2450	0.2435	0.2195	0.2435	90-100	0.7072	2921	99.9,99.9
110	0.3670	0.3643	0.3361	0.3643	0.3670	0.3643	0.3361	0.3643	100-110	0.3190	2921	99.9,99.9
120	0.5104	0.4965	0.4622	0.4965	0.5104	0.4965	0.4622	0.4965	110-120	0.4233	2922	99.9,99.9
130	0.7682	0.7242	0.7059	0.7242	0.7682	0.7242	0.7059	0.7242	120-130	0.5312	2922	99.9,99.9
140	1.200	1.147	1.115	1.147	1.200	1.147	1.115	1.147	130-140	0.7153	2923	99.9,99.9
150	1.722	1.622	1.581	1.622	1.722	1.622	1.581	1.622	140-150	0.8777	2924	99.9,99.9
160	1.933	1.819	1.771	1.819	1.933	1.819	1.771	1.819	150-160	0.8155	2925	100,100
170	1.908	1.813	1.769	1.813	1.908	1.813	1.769	1.813	160-170	0.5184	2925	100,100
180	1.996	1.867	1.807	1.867	1.996	1.867	1.807	1.867	170-180	0.1761	2926	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.6℃
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:44.0%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700:

LUMINANCE LIMITATION CURVES

Test:U:120.26V I:0.1945A P:23.129W PF:0.9891 Freq:60.01Hz Lamp Flux:2925.53x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	8864	9161
80	10549	12707
75	11925	14757
70	12894	15971
65	13623	16619
60	14189	16976
55	14657	17182
50	15029	17247
45	15331	17272

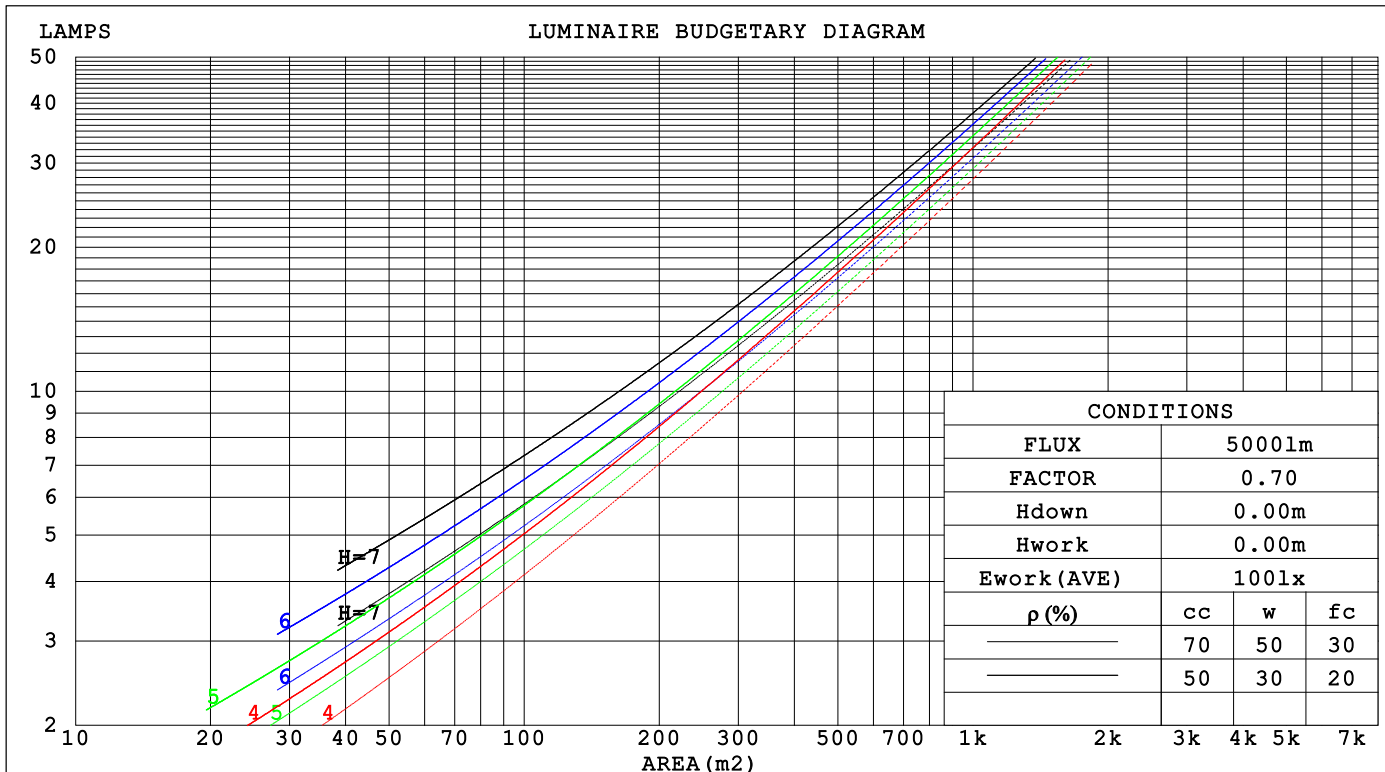
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 27.6°C
Operators: Alan Wang
Test Date: 2026-04-27

γ Range: 0 - 180DEG
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Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 44.0%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.26V I:0.1945A P:23.129W PF:0.9891 Freq:60.01Hz Lamp Flux:2925.53x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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:27.6°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:44.0%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

WEC AND CCEC

Test:U:120.26V I:0.1945A P:23.129W PF:0.9891 Freq:60.01Hz Lamp Flux:2925.53x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	.174	.055	.292	.168	.054	.280	.162	.052	.269	.156	.050		
2.0	.294	.161	.050	.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	.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	.190	.100	.030		
7.0	.200	.099	.028	.197	.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	.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	.102	.054	.021	.071	.038	.015	.041	.022	.009	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.6℃
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:44.0%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

UGR(Unified Glare Rating) Table

Test:U:120.26V I:0.1945A P:23.129W PF:0.9891 Freq:60.01Hz Lamp Flux:2925.53x1 lm										
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	22.1	23.6	22.4	23.8	24.1	22.9	24.4	23.2	24.6	24.9
3H	23.6	25.0	23.9	25.2	25.5	24.6	26.0	24.9	26.2	26.5
4H	24.2	25.5	24.5	25.8	26.0	25.2	26.6	25.5	26.8	27.1
6H	24.6	25.8	24.9	26.1	26.4	25.7	26.9	26.0	27.2	27.5
8H	24.7	25.9	25.0	26.2	26.5	25.8	27.0	26.1	27.3	27.6
12H	24.8	25.9	25.1	26.2	26.5	25.8	27.0	26.2	27.3	27.6
4H 2H	22.8	24.2	23.1	24.4	24.7	23.4	24.8	23.8	25.0	25.3
3H	24.5	25.7	24.8	26.0	26.3	25.3	26.5	25.7	26.8	27.1
4H	25.2	26.2	25.5	26.6	26.9	26.1	27.2	26.5	27.5	27.8
6H	25.7	26.6	26.1	27.0	27.4	26.7	27.6	27.1	28.0	28.3
8H	25.9	26.7	26.3	27.1	27.5	26.8	27.7	27.3	28.1	28.5
12H	26.0	26.8	26.4	27.2	27.6	26.9	27.8	27.4	28.1	28.5
8H 4H	25.5	26.4	25.9	26.8	27.1	26.3	27.2	26.7	27.6	28.0
6H	26.1	26.9	26.6	27.3	27.7	27.0	27.8	27.5	28.2	28.6
8H	26.4	27.1	26.9	27.5	27.9	27.3	27.9	27.7	28.4	28.8
12H	26.6	27.1	27.0	27.6	28.1	27.4	28.0	27.9	28.4	28.9
12H 4H	25.5	26.3	25.9	26.7	27.1	26.3	27.1	26.7	27.5	27.9
6H	26.2	26.9	26.7	27.3	27.8	27.1	27.7	27.5	28.1	28.6
8H	26.5	27.1	27.0	27.5	28.0	27.3	27.9	27.8	28.4	28.8
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, 2926 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.7)
Area: 0.05905 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.6°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:44.0%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

UTILIZATION FACTORS TABLE

Test:U:120.26V I:0.1945A P:23.129W PF:0.9891 Freq:60.01Hz Lamp Flux:2925.53x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

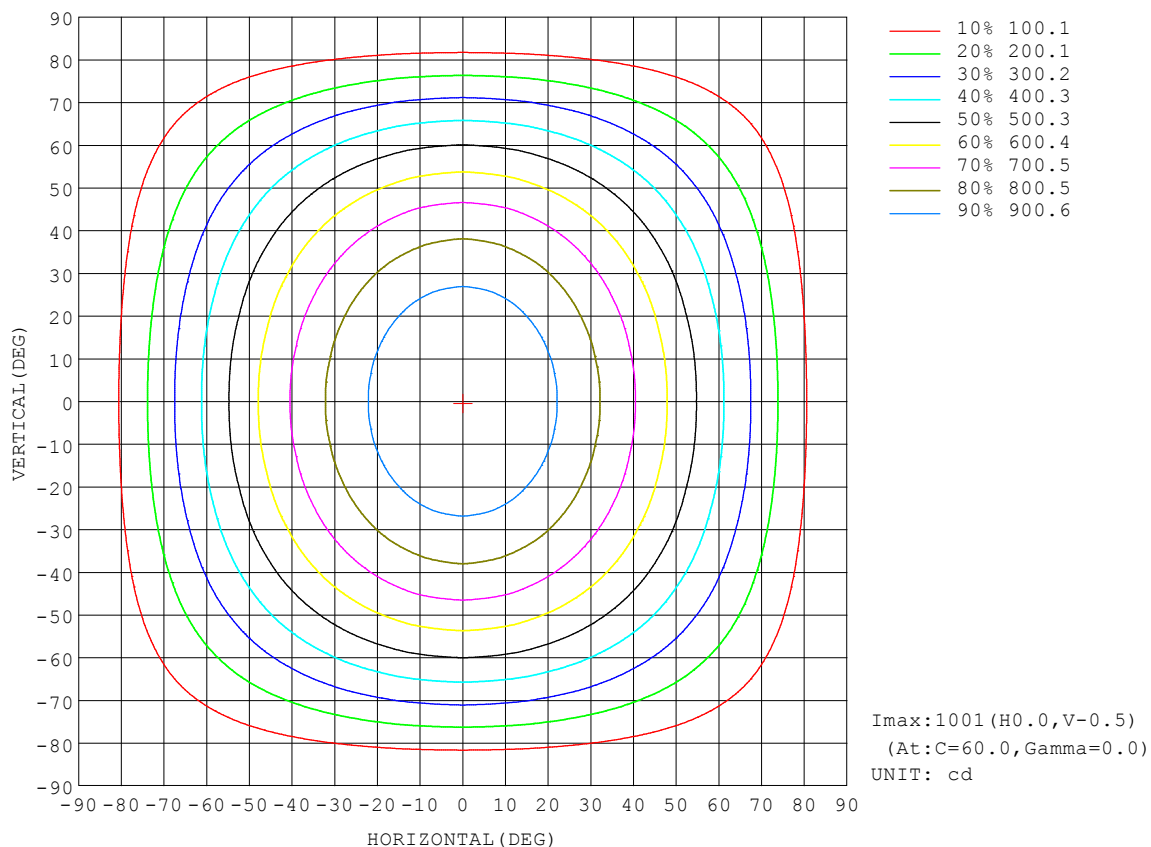
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	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	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: 27.6°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: 44.0%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

ISOCANDELA DIAGRAM

Test:U:120.26V I:0.1945A P:23.129W PF:0.9891 Freq:60.01Hz Lamp Flux:2925.53x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

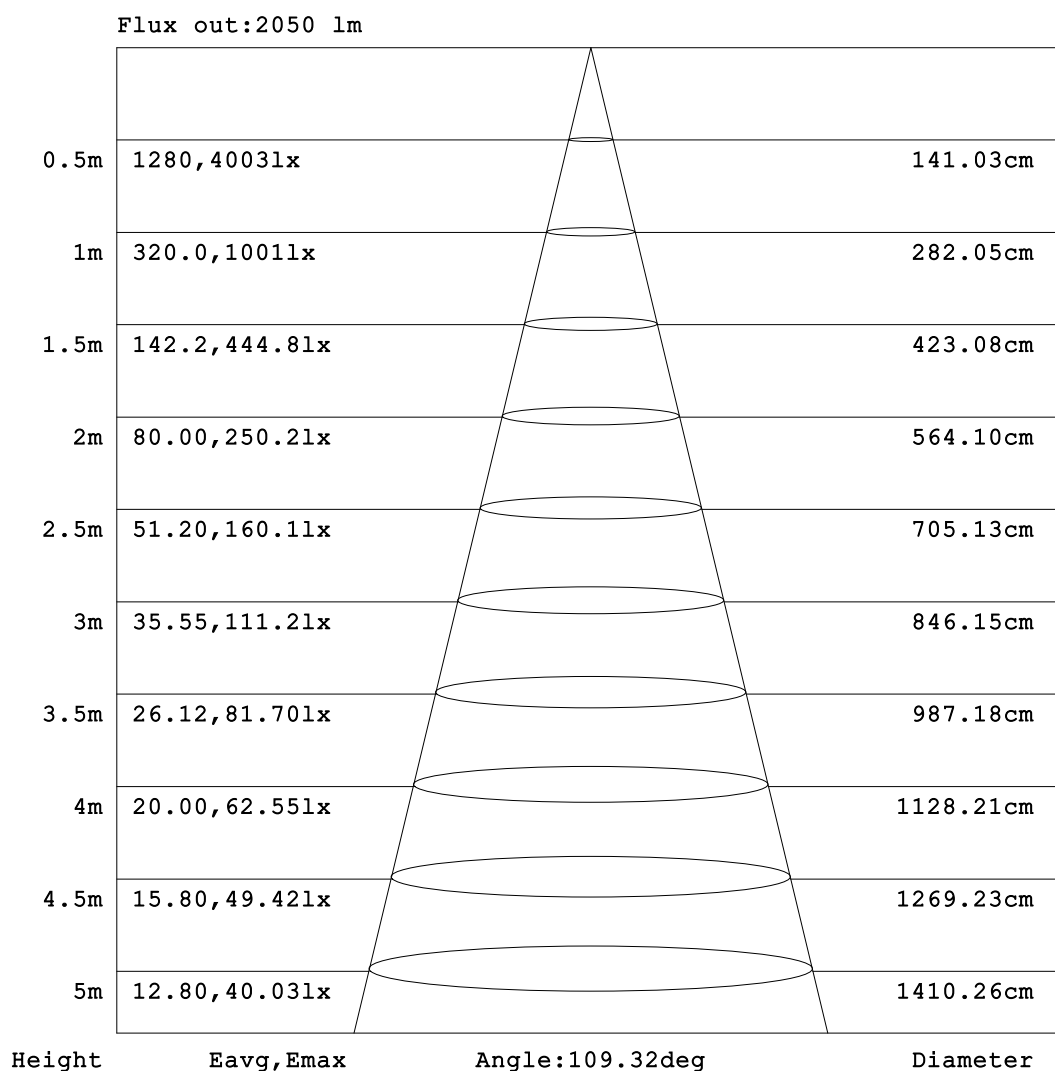


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.6°C
Operators:Alan Wang
Test Date:2026-04-27

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:44.0%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

AAI Figure

Test:U:120.26V I:0.1945A P:23.129W PF:0.9891 Freq:60.01Hz Lamp Flux:2925.53x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



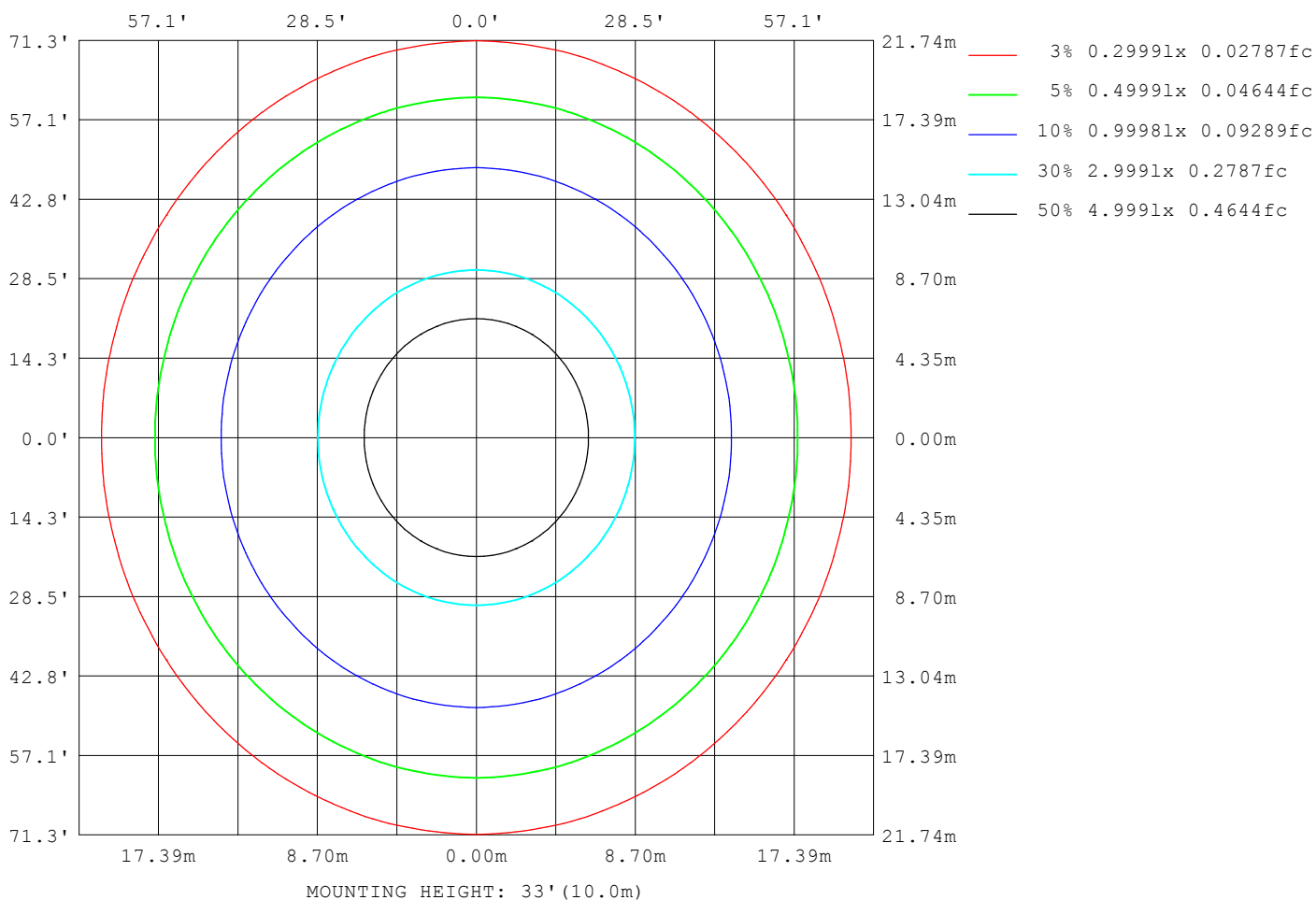
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.6°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:44.0%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

ISOLUX DIAGRAM

Test:U:120.26V I:0.1945A P:23.129W PF:0.9891 Freq:60.01Hz Lamp Flux:2925.53x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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:27.6°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:44.0%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

LED Avg.L Report

Test:U:120.26V I:0.1945A P:23.129W PF:0.9891 Freq:60.01Hz Lamp Flux:2925.53x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

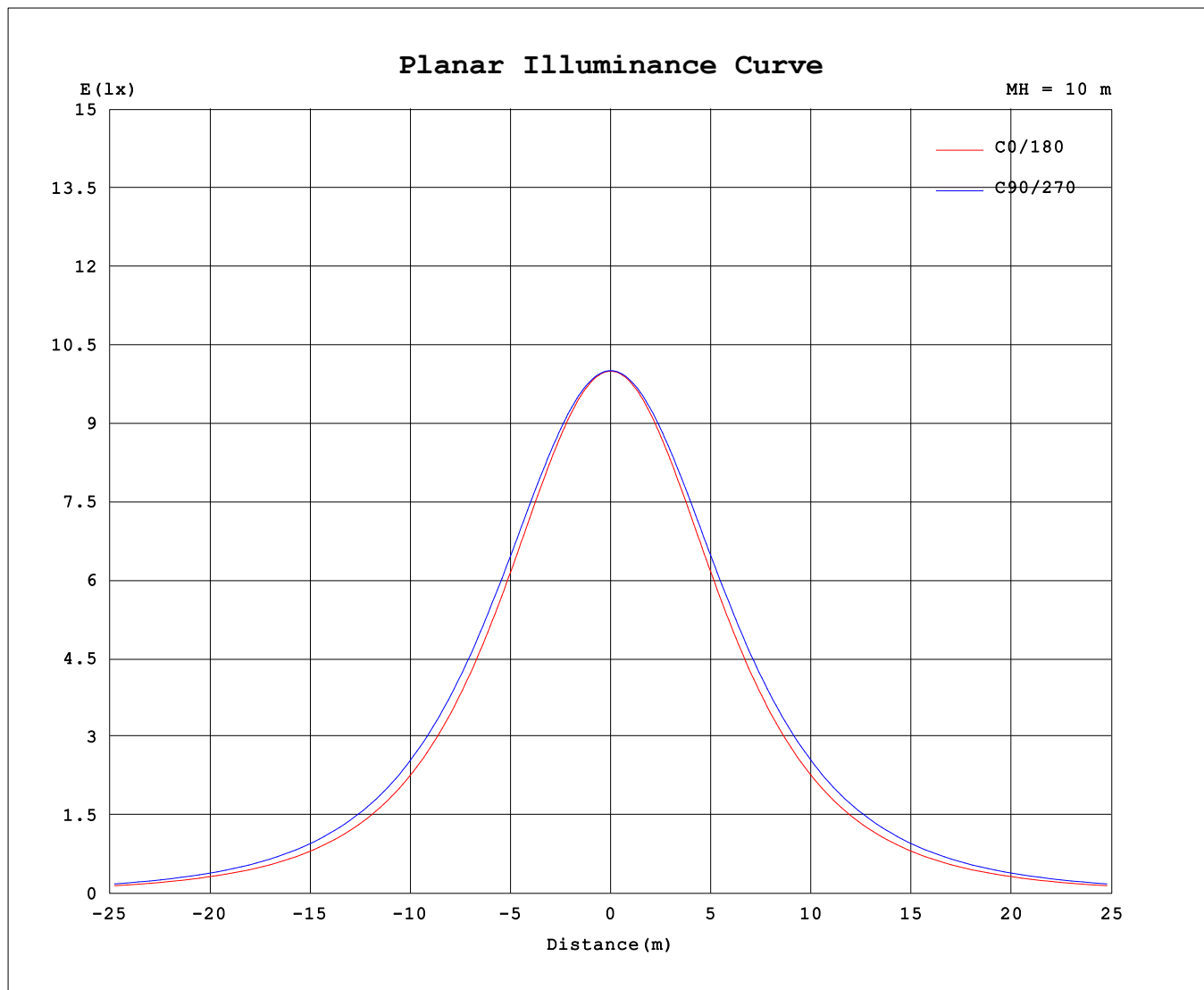
AvgL	cd/m2
L_0~180 (65) av	13623
L_0~180 (75) av	11925
L_0~180 (85) av	8864
L_90~270 (65) av	16619
L_90~270 (75) av	14757
L_90~270 (85) av	9161
L_45 (65) av	14962
L_45 (75) av	13113
L_45 (85) av	8942

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.6℃
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:44.0%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 27.6°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: 44.0%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.26V I:0.1945A P:23.129W PF:0.9891 Freq:60.01Hz Lamp Flux:2925.53x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	1000	1000	1001	1001	1001	1001	1001	1001	1001	1001	1001	1000	1000	1000	1001	1001	1001	1001	1001
5	994	995	996	996	997	997	997	997	997	996	996	995	994	995	996	996	997	997	997
10	978	980	981	983	985	986	987	986	985	983	981	980	978	980	981	983	985	986	987
15	953	954	957	961	965	968	970	968	965	961	957	954	953	954	957	961	965	968	970
20	918	920	925	932	938	943	945	943	938	932	925	920	918	920	925	932	938	943	945
25	874	877	884	894	904	912	914	912	904	894	884	877	874	877	884	894	904	912	914
30	824	827	836	849	862	873	877	873	862	849	836	827	824	827	836	849	862	873	877
35	767	771	782	798	815	827	831	827	815	798	782	771	767	771	782	798	815	827	831
40	706	710	722	740	759	774	779	774	759	740	722	710	706	710	722	740	759	774	779
45	640	645	658	676	698	715	721	715	698	676	658	645	640	645	658	676	698	715	721
50	570	575	588	608	630	647	655	647	630	608	588	575	570	575	588	608	630	647	655
55	496	501	515	534	557	574	582	574	557	534	515	501	496	501	515	534	557	574	582
60	419	423	437	456	477	495	501	495	477	456	437	423	419	423	437	456	477	495	501
65	340	344	355	373	393	408	415	408	393	373	355	344	340	344	355	373	393	408	415
70	260	263	272	287	304	317	323	317	304	287	272	263	260	263	272	287	304	317	323
75	182	184	190	200	213	222	226	222	213	200	190	184	182	184	190	200	213	222	226
80	108	109	112	118	124	129	130	129	124	118	112	109	108	109	112	118	124	129	130
85	45.6	44.1	44.9	46.0	46.7	47.3	47.1	47.3	46.7	46.0	44.9	44.1	45.6	44.1	44.9	46.0	46.7	47.3	47.1
90	7.84	6.66	5.92	4.78	3.50	2.57	2.39	2.57	3.50	4.78	5.92	6.66	7.84	6.66	5.92	4.78	3.50	2.57	2.39
95	0.17	0.17	0.16	0.16	0.16	0.15	0.16	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.16
100	0.25	0.25	0.24	0.24	0.24	0.22	0.22	0.22	0.24	0.24	0.24	0.25	0.25	0.25	0.24	0.24	0.24	0.22	0.22
105	0.31	0.32	0.31	0.30	0.30	0.28	0.28	0.28	0.30	0.30	0.31	0.32	0.31	0.32	0.31	0.30	0.30	0.28	0.28
110	0.37	0.38	0.37	0.36	0.36	0.34	0.34	0.34	0.36	0.36	0.37	0.38	0.37	0.38	0.37	0.36	0.36	0.34	0.34
115	0.44	0.45	0.44	0.43	0.42	0.41	0.40	0.41	0.42	0.43	0.44	0.45	0.44	0.45	0.44	0.43	0.42	0.41	0.40
120	0.51	0.53	0.51	0.50	0.48	0.46	0.46	0.46	0.48	0.50	0.51	0.53	0.51	0.53	0.51	0.50	0.48	0.46	0.46
125	0.60	0.62	0.59	0.58	0.56	0.56	0.55	0.56	0.56	0.58	0.59	0.62	0.60	0.62	0.59	0.58	0.56	0.56	0.55
130	0.77	0.78	0.75	0.72	0.71	0.72	0.71	0.72	0.71	0.72	0.75	0.78	0.77	0.78	0.75	0.72	0.71	0.72	0.71
135	0.95	0.97	0.92	0.90	0.89	0.89	0.88	0.89	0.89	0.90	0.92	0.97	0.95	0.97	0.92	0.90	0.89	0.89	0.88
140	1.20	1.21	1.17	1.15	1.14	1.13	1.11	1.13	1.14	1.15	1.17	1.21	1.20	1.21	1.17	1.15	1.14	1.13	1.11
145	1.47	1.48	1.44	1.40	1.40	1.39	1.36	1.39	1.40	1.40	1.44	1.48	1.47	1.48	1.44	1.40	1.40	1.39	1.36
150	1.72	1.72	1.68	1.62	1.58	1.58	1.58	1.58	1.58	1.62	1.68	1.72	1.72	1.72	1.68	1.62	1.58	1.58	1.58
155	1.88	1.87	1.82	1.77	1.71	1.71	1.73	1.71	1.71	1.77	1.82	1.87	1.88	1.87	1.82	1.77	1.71	1.71	1.73
160	1.93	1.93	1.87	1.82	1.76	1.77	1.77	1.77	1.76	1.82	1.87	1.93	1.93	1.93	1.87	1.82	1.76	1.77	1.77
165	1.92	1.92	1.85	1.79	1.77	1.77	1.76	1.77	1.77	1.79	1.85	1.92	1.92	1.92	1.85	1.79	1.77	1.77	1.76
170	1.91	1.92	1.86	1.81	1.79	1.77	1.77	1.77	1.79	1.81	1.86	1.92	1.91	1.92	1.86	1.81	1.79	1.77	1.77
175	1.91	1.94	1.88	1.84	1.81	1.79	1.78	1.79	1.81	1.84	1.88	1.94	1.91	1.94	1.88	1.84	1.81	1.79	1.78
180	2.00	1.97	1.90	1.87	1.84	1.82	1.81	1.82	1.84	1.87	1.90	1.97	2.00	1.97	1.90	1.87	1.84	1.82	1.81

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.6℃
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:44.0%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

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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	1001	1001	1001	1001	1000													
5	997	997	996	996	995													
10	986	985	983	981	980													
15	968	965	961	957	954													
20	943	938	932	925	920													
25	912	904	894	884	877													
30	873	862	849	836	827													
35	827	815	798	782	771													
40	774	759	740	722	710													
45	715	698	676	658	645													
50	647	630	608	588	575													
55	574	557	534	515	501													
60	495	477	456	437	423													
65	408	393	373	355	344													
70	317	304	287	272	263													
75	222	213	200	190	184													
80	129	124	118	112	109													
85	47.3	46.7	46.0	44.9	44.1													
90	2.57	3.50	4.78	5.92	6.66													
95	0.15	0.16	0.16	0.16	0.17													
100	0.22	0.24	0.24	0.24	0.25													
105	0.28	0.30	0.30	0.31	0.32													
110	0.34	0.36	0.36	0.37	0.38													
115	0.41	0.42	0.43	0.44	0.45													
120	0.46	0.48	0.50	0.51	0.53													
125	0.56	0.56	0.58	0.59	0.62													
130	0.72	0.71	0.72	0.75	0.78													
135	0.89	0.89	0.90	0.92	0.97													
140	1.13	1.14	1.15	1.17	1.21													
145	1.39	1.40	1.40	1.44	1.48													
150	1.58	1.58	1.62	1.68	1.72													
155	1.71	1.71	1.77	1.82	1.87													
160	1.77	1.76	1.82	1.87	1.93													
165	1.77	1.77	1.79	1.85	1.92													
170	1.77	1.79	1.81	1.86	1.92													
175	1.79	1.81	1.84	1.88	1.94													
180	1.82	1.84	1.87	1.90	1.97													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.6℃
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:44.0%
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