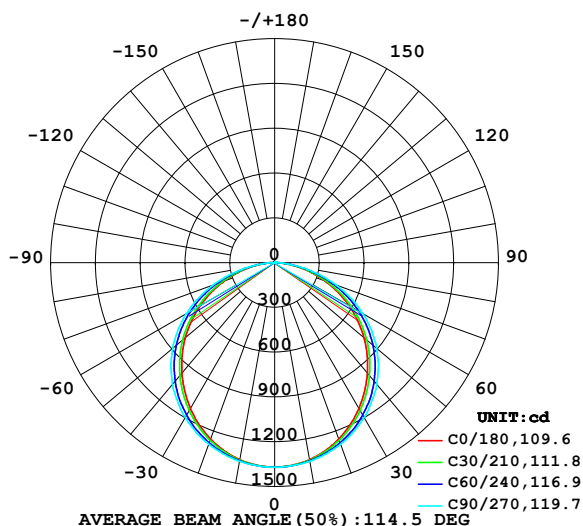


LUMINAIRE PHOTOMETRIC TEST REPORT

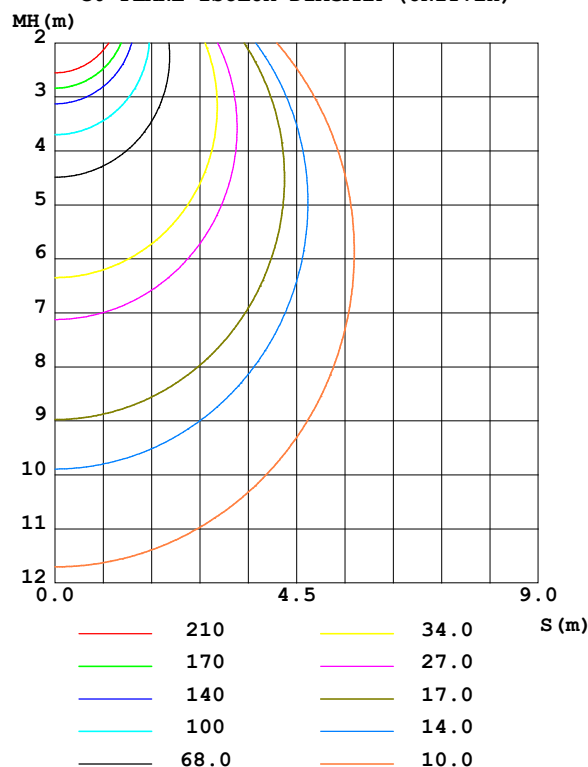
Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm		
NAME: VLTG-2S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.42 lm/W			
MODEL		I _{max} (cd)	1371	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)	3999.4	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	3999.44	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°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%_3000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

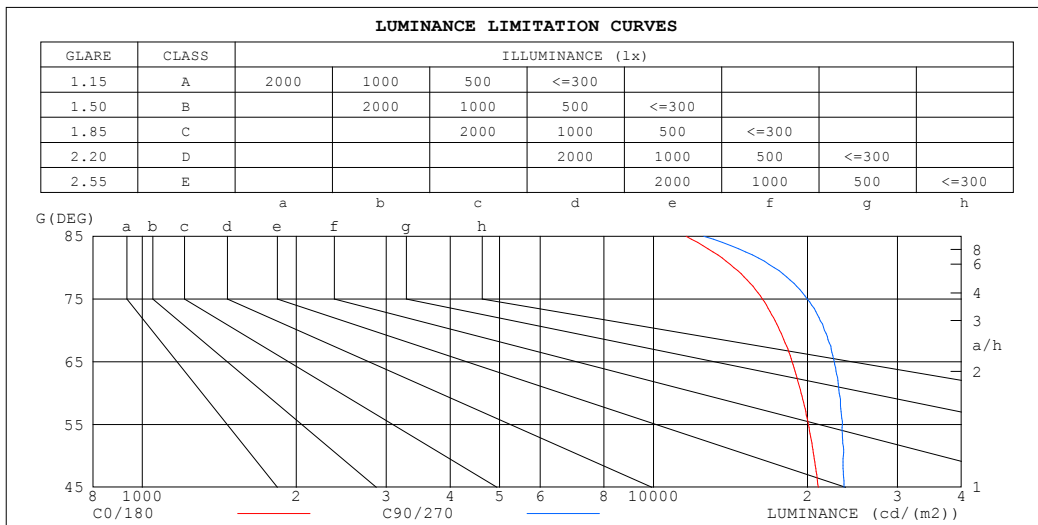
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1340	1346	1351	1346	1340	1346	1351	1346	0- 10	129.6	129.6	3.24,3.24
20	1257	1275	1294	1275	1257	1275	1294	1275	10- 20	371.5	501.1	12.5,12.5
30	1129	1162	1198	1162	1129	1162	1198	1162	20- 30	564.2	1065	26.6,26.6
40	966.9	1012	1065	1012	966.9	1012	1065	1012	30- 40	683.5	1749	43.7,43.7
50	781.3	830.8	892.0	830.8	781.3	830.8	892.0	830.8	40- 50	715.2	2464	61.6,61.6
60	573.9	623.2	681.6	623.2	573.9	623.2	681.6	623.2	50- 60	654.8	3119	78,78
70	356.4	391.8	436.4	391.8	356.4	391.8	436.4	391.8	60- 70	505.9	3625	90.6,90.6
80	147.3	160.5	176.7	160.5	147.3	160.5	176.7	160.5	70- 80	291.5	3916	97.9,97.9
90	8.641	7.373	5.298	7.373	8.641	7.373	5.298	7.373	80- 90	76.09	3992	99.8,99.8
100	0.3363	0.3115	0.2782	0.3115	0.3363	0.3115	0.2782	0.3115	90-100	1.194	3993	99.9,99.9
110	0.5050	0.4982	0.4588	0.4982	0.5050	0.4982	0.4588	0.4982	100-110	0.4332	3994	99.9,99.9
120	0.7033	0.6859	0.6364	0.6859	0.7033	0.6859	0.6364	0.6859	110-120	0.5824	3994	99.9,99.9
130	1.056	0.9747	0.9492	0.9747	1.056	0.9747	0.9492	0.9747	120-130	0.7229	3995	99.9,99.9
140	1.645	1.551	1.506	1.551	1.645	1.551	1.506	1.551	130-140	0.9649	3996	99.9,99.9
150	2.359	2.204	2.153	2.204	2.359	2.204	2.153	2.204	140-150	1.189	3997	99.9,99.9
160	2.649	2.505	2.444	2.505	2.649	2.505	2.444	2.505	150-160	1.115	3998	100,100
170	2.613	2.523	2.465	2.523	2.613	2.523	2.465	2.523	160-170	0.7171	3999	100,100
180	2.747	2.575	2.503	2.575	2.747	2.575	2.503	2.575	170-180	0.2448	3999	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%_3000:

LUMINANCE LIMITATION CURVES

Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm		
NAME: VLTG-2S-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	11585	12530
80	14368	17231
75	16331	19986
70	17648	21609
65	18670	22587
60	19437	23085
55	20080	23417
50	20585	23500
45	21002	23574

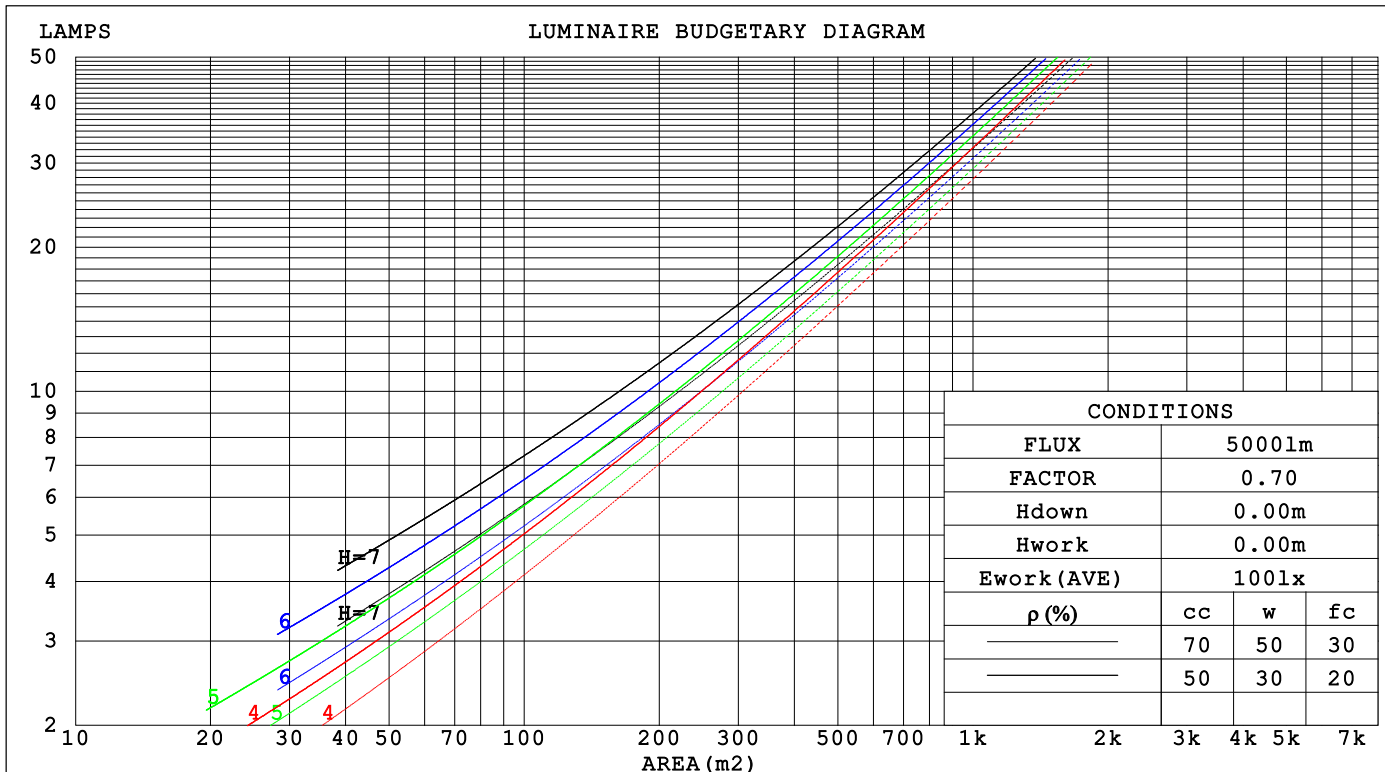
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 27.2°C
Operators: Alan Wang
Test Date: 2026-04-27

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%_3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm		
NAME: VLTG-2S-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: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%_3000K

WEC AND CCEC

Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm		
NAME: VLTG-2S-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	.313	.178	.056	.306	.174	.055	.292	.168	.054	.280	.161	.052	.269	.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	.246	.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	.136	.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	.022	.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	.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	.027	.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: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%_3000:

UGR(Unified Glare Rating) Table

Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm										
NAME: VLTG-2S-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	23.2	24.7	23.5	24.9	25.2	24.0	25.5	24.2	25.7	25.9
3H	24.7	26.1	25.0	26.3	26.6	25.6	27.0	25.9	27.3	27.5
4H	25.3	26.6	25.6	26.9	27.1	26.3	27.6	26.6	27.9	28.1
6H	25.7	26.9	26.0	27.2	27.5	26.7	28.0	27.1	28.3	28.6
8H	25.8	27.0	26.1	27.3	27.6	26.8	28.1	27.2	28.4	28.7
12H	25.8	27.0	26.2	27.3	27.6	26.9	28.1	27.3	28.4	28.7
4H 2H	23.9	25.3	24.2	25.5	25.8	24.5	25.9	24.8	26.1	26.4
3H	25.6	26.7	25.9	27.0	27.4	26.4	27.5	26.7	27.8	28.1
4H	26.3	27.3	26.6	27.7	28.0	27.1	28.2	27.5	28.5	28.9
6H	26.8	27.7	27.2	28.1	28.5	27.7	28.7	28.1	29.0	29.4
8H	26.9	27.8	27.4	28.2	28.6	27.9	28.8	28.3	29.1	29.5
12H	27.0	27.9	27.5	28.3	28.7	28.0	28.8	28.4	29.2	29.6
8H 4H	26.6	27.5	27.0	27.8	28.2	27.4	28.3	27.8	28.6	29.0
6H	27.2	28.0	27.7	28.4	28.8	28.1	28.8	28.5	29.2	29.7
8H	27.5	28.1	27.9	28.6	29.0	28.3	29.0	28.8	29.4	29.9
12H	27.6	28.2	28.1	28.7	29.1	28.5	29.0	29.0	29.5	30.0
12H 4H	26.6	27.4	27.0	27.8	28.2	27.4	28.2	27.8	28.6	29.0
6H	27.3	28.0	27.8	28.4	28.9	28.1	28.8	28.6	29.2	29.7
8H	27.6	28.2	28.1	28.6	29.1	28.4	29.0	28.9	29.4	29.9
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, 3999 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.8)
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%_3000K

UTILIZATION FACTORS TABLE

Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm		
NAME: VLTG-2S-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:

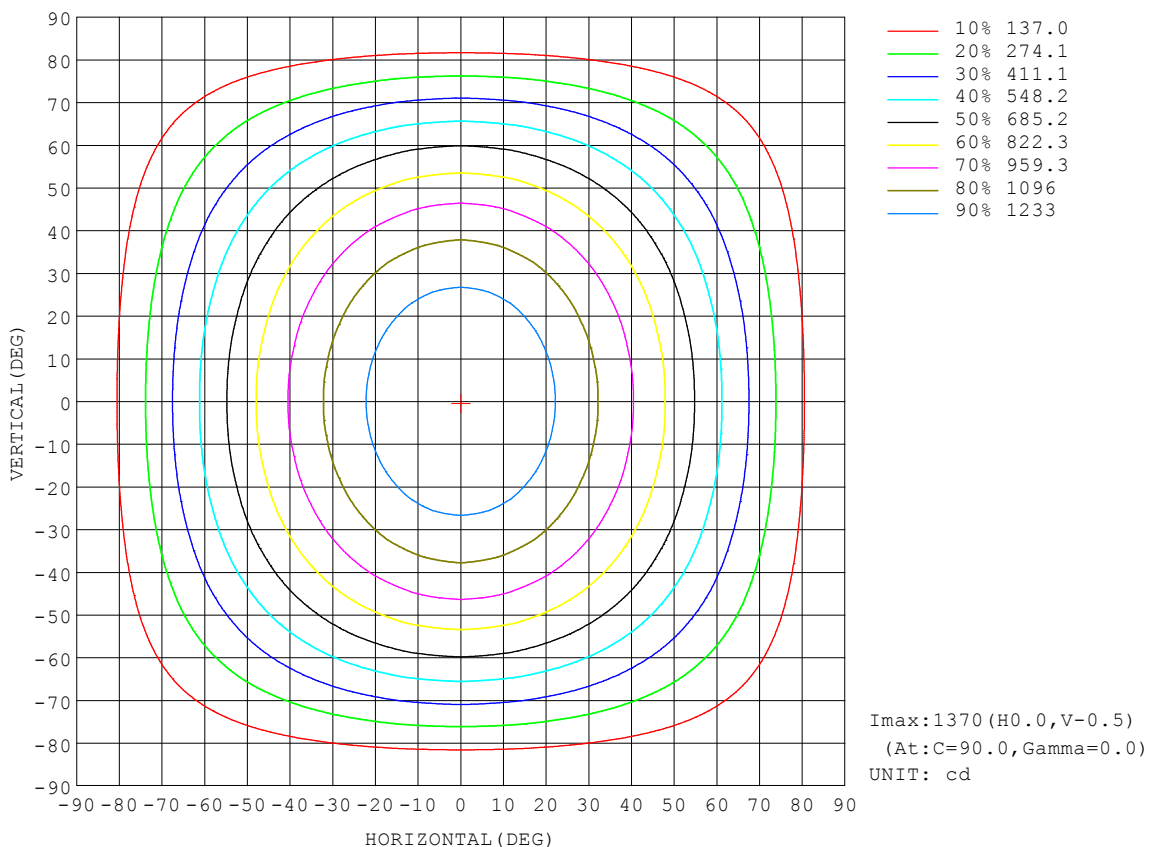
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	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: 27.2°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%_3000K

ISOCANDELA DIAGRAM

Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm		
NAME: VLTG-2S-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:

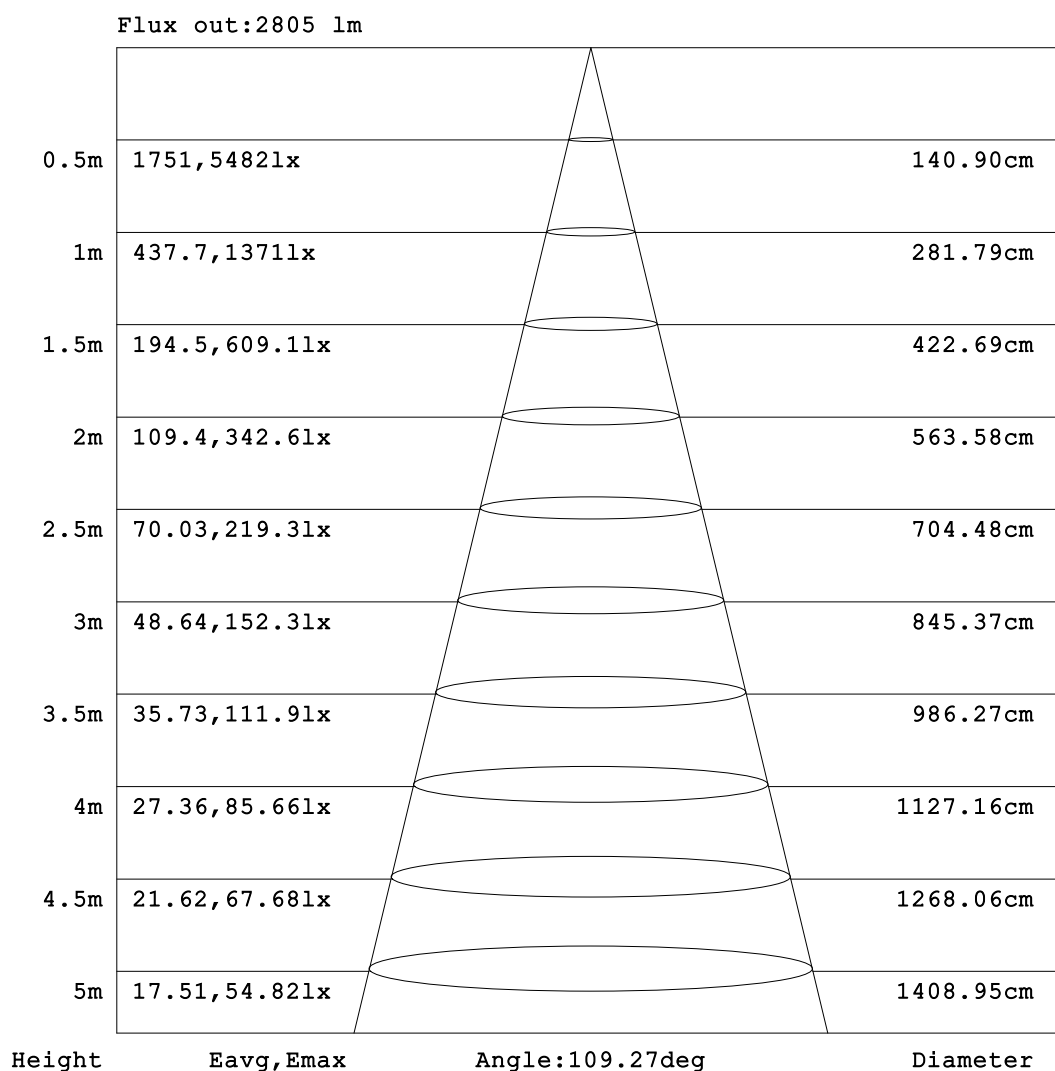


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:27.2°C
Operators:Alan Wang
Test Date:2026-04-27

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%_3000K

AAI Figure

Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm		
NAME: VLTG-2S-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:



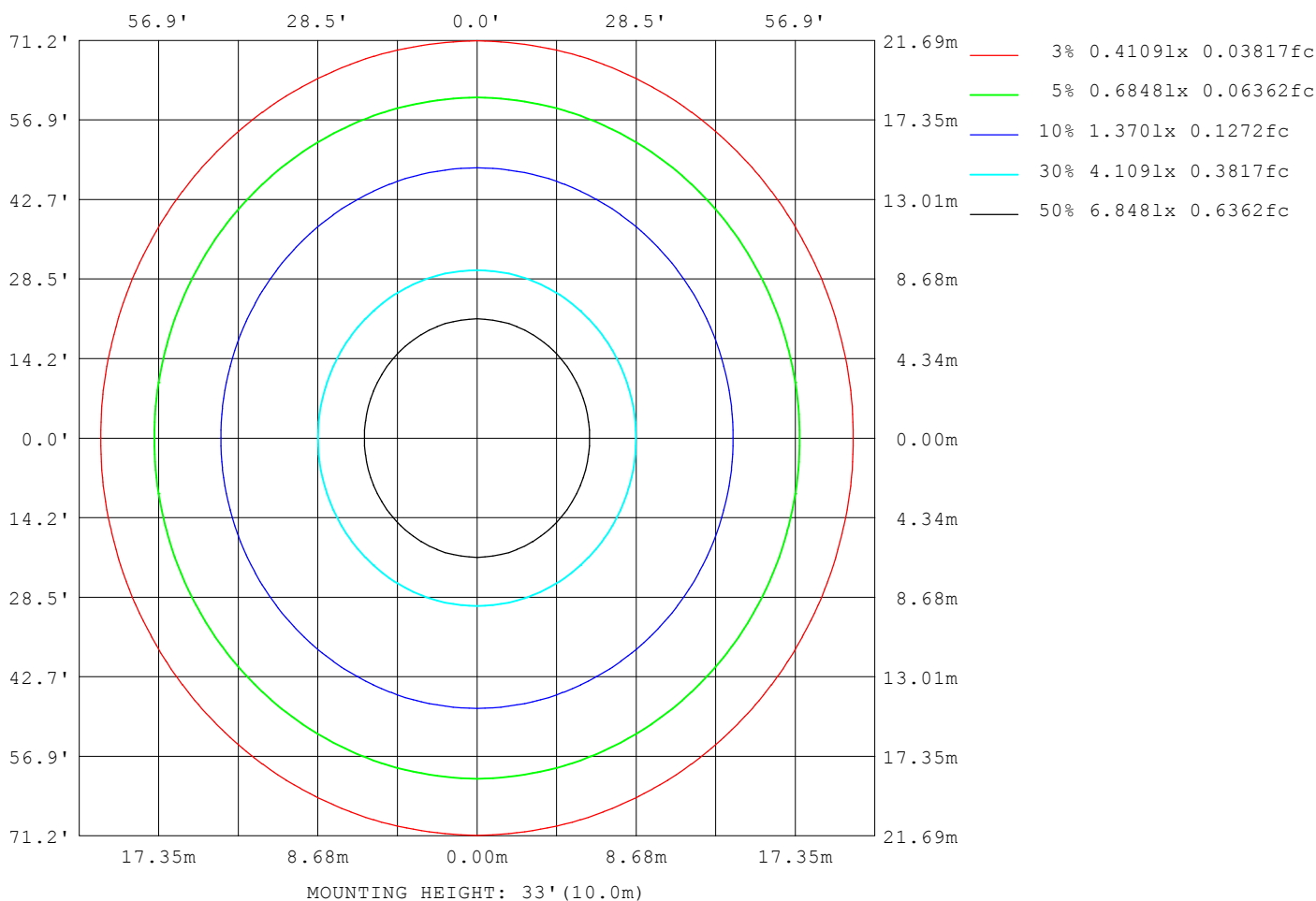
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: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%_3000K

ISOLUX DIAGRAM

Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm		
NAME: VLTG-2S-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: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%_3000K

LED Avg.L Report

Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm		
NAME: VLTG-2S-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:

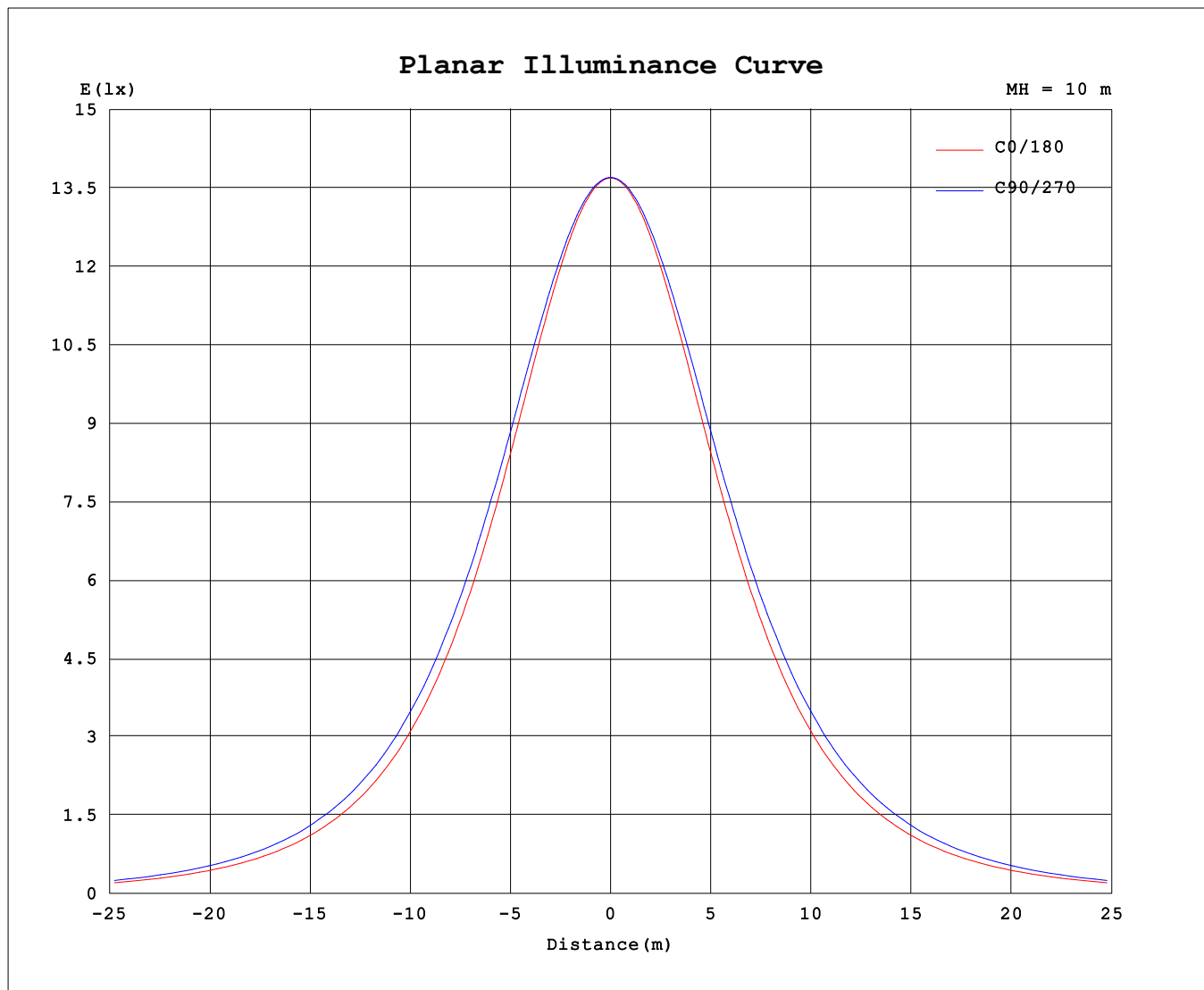
AvgL	cd/m2
L_0~180 (65) av	18670
L_0~180 (75) av	16331
L_0~180 (85) av	11585
L_90~270 (65) av	22587
L_90~270 (75) av	19986
L_90~270 (85) av	12530
L_45 (65) av	20420
L_45 (75) av	17895
L_45 (85) av	12300

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%_3000:

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%_3000:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm		
NAME: VLTG-2S-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	1370	1370	1370	1370	1370	1370	1371	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370	1371
5	1362	1363	1363	1364	1365	1365	1366	1365	1365	1364	1363	1363	1362	1363	1363	1364	1365	1365	1366
10	1340	1342	1343	1346	1349	1351	1351	1351	1349	1346	1343	1342	1340	1342	1343	1346	1349	1351	1351
15	1305	1307	1311	1316	1322	1326	1327	1326	1322	1316	1311	1307	1305	1307	1311	1316	1322	1326	1327
20	1257	1260	1266	1275	1284	1291	1294	1291	1284	1275	1266	1260	1257	1260	1266	1275	1284	1291	1294
25	1198	1202	1210	1223	1237	1248	1251	1248	1237	1223	1210	1202	1198	1202	1210	1223	1237	1248	1251
30	1129	1133	1145	1162	1179	1193	1198	1193	1179	1162	1145	1133	1129	1133	1145	1162	1179	1193	1198
35	1051	1056	1070	1091	1114	1129	1135	1129	1114	1091	1070	1056	1051	1056	1070	1091	1114	1129	1135
40	967	972	988	1012	1037	1059	1065	1059	1037	1012	988	972	967	972	988	1012	1037	1059	1065
45	877	883	900	925	953	974	984	974	953	925	900	883	877	883	900	925	953	974	984
50	781	787	805	831	860	882	892	882	860	831	805	787	781	787	805	831	860	882	892
55	680	687	704	730	759	782	793	782	759	730	704	687	680	687	704	730	759	782	793
60	574	580	598	623	651	674	682	674	651	623	598	580	574	580	598	623	651	674	682
65	466	471	486	510	535	555	564	555	535	510	486	471	466	471	486	510	535	555	564
70	356	361	373	392	414	431	436	431	414	392	373	361	356	361	373	392	414	431	436
75	250	252	261	274	289	302	305	302	289	274	261	252	250	252	261	274	289	302	305
80	147	149	154	161	168	175	177	175	168	161	154	149	147	149	154	161	168	175	177
85	59.6	59.5	61.8	63.3	64.0	64.5	64.5	64.5	64.0	63.3	61.8	59.5	59.6	59.5	61.8	63.3	64.0	64.5	64.5
90	8.64	7.59	8.19	7.37	6.53	5.71	5.30	5.71	6.53	7.37	8.19	7.59	8.64	7.59	8.19	7.37	6.53	5.71	5.30
95	0.23	0.23	0.22	0.22	0.23	0.26	0.28	0.26	0.23	0.22	0.22	0.23	0.23	0.23	0.22	0.22	0.23	0.26	0.28
100	0.34	0.33	0.31	0.31	0.30	0.28	0.28	0.28	0.30	0.31	0.31	0.33	0.34	0.33	0.31	0.31	0.30	0.28	0.28
105	0.42	0.43	0.42	0.42	0.41	0.39	0.38	0.39	0.41	0.42	0.42	0.43	0.42	0.43	0.42	0.42	0.41	0.39	0.38
110	0.50	0.52	0.50	0.50	0.49	0.47	0.46	0.47	0.49	0.50	0.52	0.50	0.50	0.52	0.50	0.50	0.49	0.47	0.46
115	0.60	0.62	0.60	0.59	0.58	0.57	0.55	0.57	0.58	0.59	0.60	0.62	0.60	0.62	0.60	0.59	0.58	0.57	0.55
120	0.70	0.73	0.70	0.69	0.67	0.64	0.64	0.64	0.67	0.69	0.70	0.73	0.70	0.73	0.70	0.69	0.67	0.64	0.64
125	0.83	0.84	0.81	0.78	0.76	0.76	0.75	0.76	0.76	0.78	0.81	0.84	0.83	0.84	0.81	0.78	0.76	0.76	0.75
130	1.06	1.05	1.01	0.97	0.96	0.96	0.95	0.96	0.96	0.97	1.01	1.05	1.06	1.05	1.01	0.97	0.96	0.96	0.95
135	1.31	1.31	1.24	1.21	1.19	1.20	1.19	1.20	1.19	1.21	1.24	1.31	1.31	1.31	1.24	1.21	1.19	1.20	1.19
140	1.64	1.63	1.58	1.55	1.54	1.53	1.51	1.53	1.54	1.55	1.58	1.63	1.64	1.63	1.58	1.55	1.54	1.53	1.51
145	2.01	1.99	1.94	1.90	1.90	1.89	1.85	1.89	1.90	1.90	1.94	1.99	2.01	1.99	1.94	1.90	1.90	1.89	1.85
150	2.36	2.33	2.29	2.20	2.15	2.14	2.15	2.14	2.15	2.20	2.29	2.33	2.36	2.33	2.29	2.20	2.15	2.14	2.15
155	2.58	2.55	2.48	2.42	2.34	2.34	2.36	2.34	2.34	2.42	2.48	2.55	2.58	2.55	2.48	2.42	2.34	2.34	2.36
160	2.65	2.65	2.56	2.51	2.43	2.44	2.44	2.44	2.43	2.51	2.56	2.65	2.65	2.65	2.56	2.51	2.43	2.44	2.44
165	2.64	2.64	2.57	2.49	2.46	2.45	2.45	2.45	2.46	2.49	2.57	2.64	2.64	2.64	2.57	2.49	2.46	2.45	2.45
170	2.61	2.65	2.59	2.52	2.49	2.47	2.47	2.47	2.49	2.52	2.59	2.65	2.61	2.65	2.59	2.52	2.49	2.47	2.47
175	2.62	2.67	2.62	2.56	2.52	2.49	2.48	2.49	2.52	2.56	2.62	2.67	2.62	2.67	2.62	2.56	2.52	2.49	2.48
180	2.75	2.71	2.63	2.58	2.54	2.52	2.50	2.52	2.54	2.58	2.63	2.71	2.75	2.71	2.63	2.58	2.54	2.52	2.50

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%_3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.11V I:0.2571A P:30.666W PF:0.9931 Freq:60.01Hz Lamp Flux:3999.44x1 lm		
NAME: VLTG-2S-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	1370	1370	1370	1370	1370													
5	1365	1365	1364	1363	1363													
10	1351	1349	1346	1343	1342													
15	1326	1322	1316	1311	1307													
20	1291	1284	1275	1266	1260													
25	1248	1237	1223	1210	1202													
30	1193	1179	1162	1145	1133													
35	1129	1114	1091	1070	1056													
40	1059	1037	1012	988	972													
45	974	953	925	900	883													
50	882	860	831	805	787													
55	782	759	730	704	687													
60	674	651	623	598	580													
65	555	535	510	486	471													
70	431	414	392	373	361													
75	302	289	274	261	252													
80	175	168	161	154	149													
85	64.5	64.0	63.3	61.8	59.5													
90	5.71	6.53	7.37	8.19	7.59													
95	0.26	0.23	0.22	0.22	0.23													
100	0.28	0.30	0.31	0.31	0.33													
105	0.39	0.41	0.42	0.42	0.43													
110	0.47	0.49	0.50	0.50	0.52													
115	0.57	0.58	0.59	0.60	0.62													
120	0.64	0.67	0.69	0.70	0.73													
125	0.76	0.76	0.78	0.81	0.84													
130	0.96	0.96	0.97	1.01	1.05													
135	1.20	1.19	1.21	1.24	1.31													
140	1.53	1.54	1.55	1.58	1.63													
145	1.89	1.90	1.90	1.94	1.99													
150	2.14	2.15	2.20	2.29	2.33													
155	2.34	2.34	2.42	2.48	2.55													
160	2.44	2.43	2.51	2.56	2.65													
165	2.45	2.46	2.49	2.57	2.64													
170	2.47	2.49	2.52	2.59	2.65													
175	2.49	2.52	2.56	2.62	2.67													
180	2.52	2.54	2.58	2.63	2.71													

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%_3000: