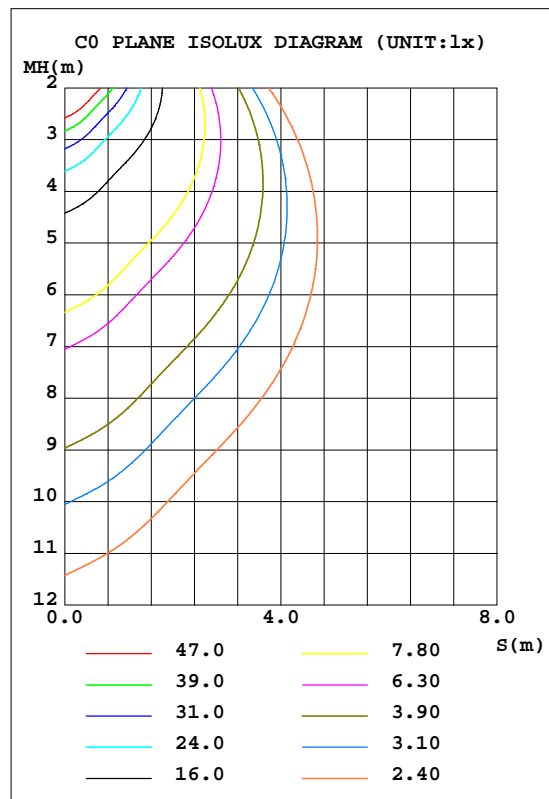
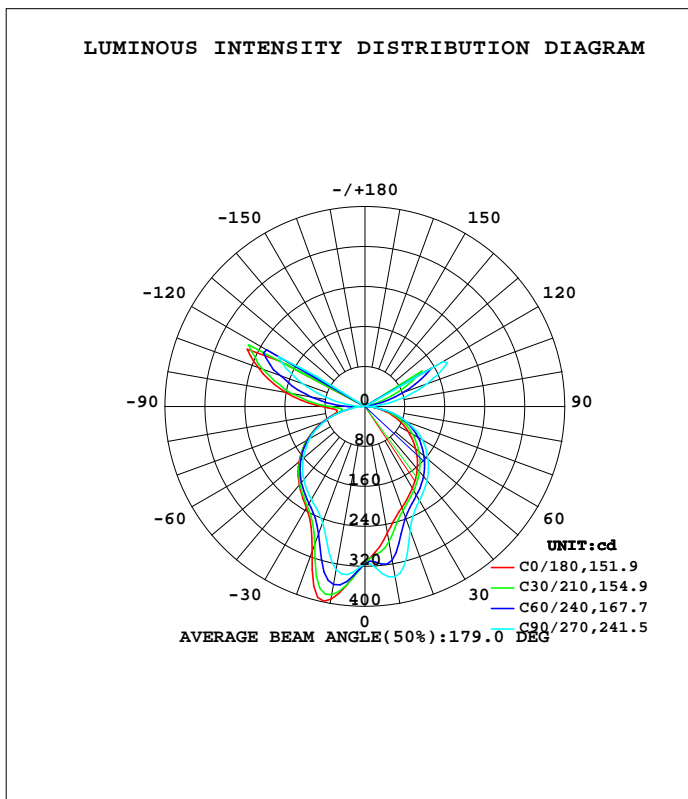


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm		
NAME: Wok 33 13W color toning LED ceiling light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	1531CT13-5R	Imax(cd)	399.0	S/MH(C0/180)	1.13
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.02
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1141.9	h UP, DN(C0-180)	13.5, 35.5
NOMINAL FLUX(lm)	1141.93	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	15.7, 35.4
LAMPS INSIDE	1	h up(%)	29.2	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230	h down(%)	70.8	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 August 2023

Range: 0 - 180DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

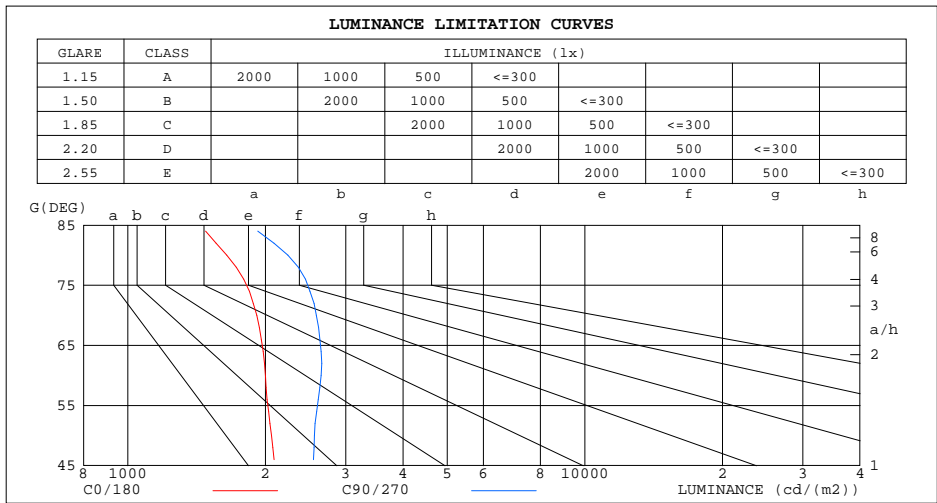
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	257.9	293.5	346.0	381.9	391.6	372.9	331.8	288.1	0- 10	31.46	31.46	2.75,2.75
20	215.6	228.6	264.7	312.9	310.4	284.9	248.0	225.5	10- 20	84.91	116.4	10.2,10.2
30	189.9	200.3	217.9	231.6	234.5	228.0	215.0	199.5	20- 30	107.4	223.8	19.6,19.6
40	163.0	176.1	193.4	202.8	205.0	200.7	191.0	175.2	30- 40	126.2	350.0	30.7,30.7
50	132.5	148.1	164.7	172.0	172.5	169.6	161.4	146.4	40- 50	134.3	484.3	42.4,42.4
60	100.00	116.8	132.5	134.5	134.2	131.9	127.5	114.3	50- 60	126.7	611.0	53.5,53.5
70	65.56	80.39	88.43	89.35	89.56	86.61	83.91	77.40	60- 70	102.9	713.9	62.5,62.5
80	28.61	36.29	38.92	43.12	57.43	40.11	35.03	33.91	70- 80	63.74	777.7	68.1,68.1
90	2.274	2.455	3.855	54.32	84.57	54.56	3.336	2.467	80- 90	31.09	808.7	70.8,70.8
100	2.263	3.206	54.60	129.7	160.5	127.5	54.82	2.810	90-100	49.19	857.9	75.1,75.1
110	2.516	59.05	130.3	198.6	226.6	201.9	130.9	59.58	100-110	101.0	959.0	84,84
120	2.694	135.9	180.5	4.144	3.390	93.95	200.8	137.5	110-120	149.8	1109	97.1,97.1
130	3.081	5.933	4.146	2.769	2.479	3.015	4.653	6.551	120-130	23.57	1132	99.2,99.2
140	3.498	5.110	4.355	3.264	2.971	3.506	4.660	5.553	130-140	3.233	1136	99.4,99.4
150	3.900	4.820	4.474	3.718	3.492	3.934	4.704	5.091	140-150	2.653	1138	99.7,99.7
160	4.168	4.674	4.533	4.008	3.975	4.254	4.727	4.820	150-160	2.015	1140	99.9,99.9
170	4.406	4.581	4.526	4.254	4.347	4.321	4.630	4.637	160-170	1.254	1142	100,100
180	4.540	4.544	4.503	4.447	4.533	4.540	4.496	4.496	170-180	0.4276	1142	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 August 2023

g Range: 0 - 180DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

LUMINANCE LIMITATION CURVES

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm		
NAME: Wok 33 13W color toning LED ceiling light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1774	2310
80	1647	2241
75	1967	2666
70	1917	2586
65	2051	2747
60	2000	2651
55	2083	2654
50	2062	2562
45	2138	2584

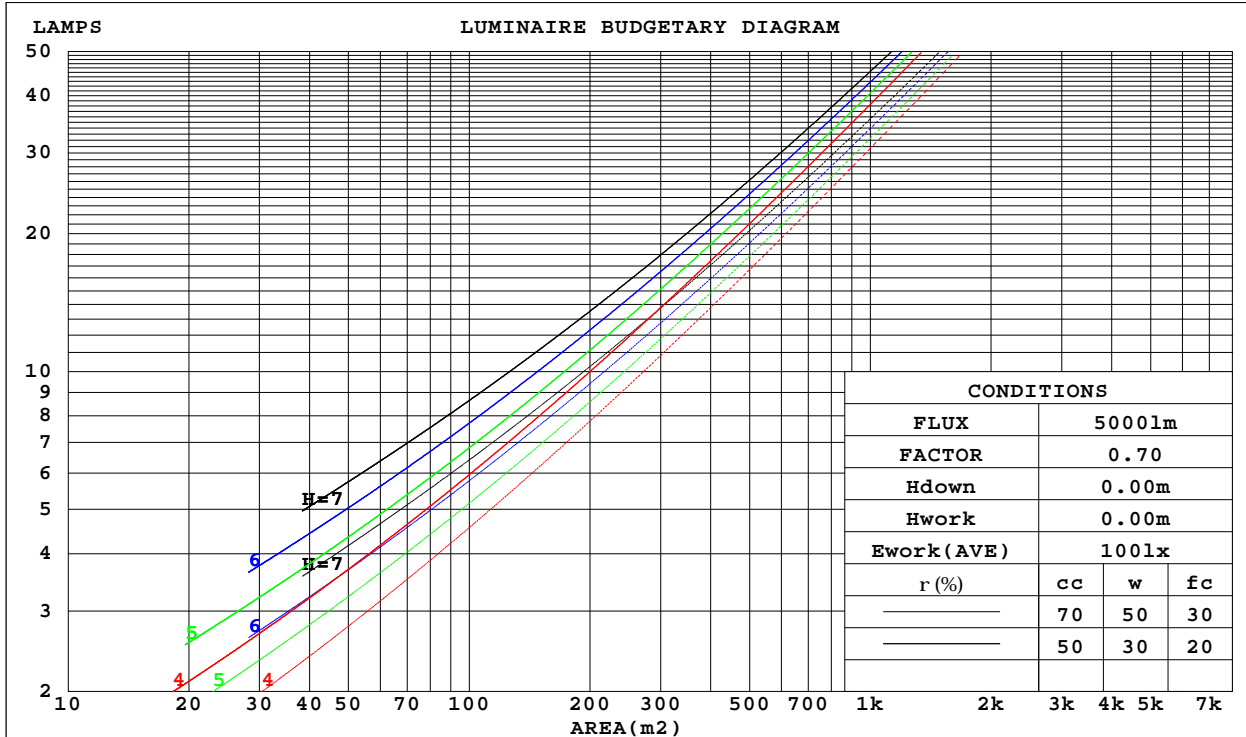
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 19 August 2023

G Range: 0 - 180DEG
 G Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity: 65.0%
 Test Distance: 10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm		
NAME: Wok 33 13W color toning LED ceiling light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.95	.95	.95	.85	.85	.85	.75	.75	.75	.71
1.0	.97	.92	.89	.92	.88	.84	.82	.79	.76	.73	.71	.69	.65	.64	.62	.58
2.0	.84	.77	.72	.80	.74	.69	.72	.67	.63	.64	.60	.57	.57	.54	.52	.48
3.0	.74	.66	.60	.70	.63	.57	.63	.57	.52	.56	.52	.48	.50	.47	.44	.40
4.0	.65	.57	.50	.62	.54	.48	.56	.50	.45	.50	.45	.41	.45	.41	.37	.34
5.0	.58	.50	.43	.55	.48	.42	.50	.44	.39	.45	.40	.36	.40	.36	.33	.30
6.0	.52	.44	.38	.50	.42	.36	.45	.39	.34	.41	.35	.31	.37	.32	.29	.26
7.0	.47	.39	.33	.45	.37	.32	.41	.35	.30	.37	.32	.28	.34	.29	.26	.23
8.0	.43	.35	.29	.41	.34	.29	.38	.31	.27	.34	.29	.25	.31	.26	.23	.21
9.0	.40	.32	.26	.38	.31	.26	.35	.28	.24	.31	.26	.22	.29	.24	.21	.19
10.0	.36	.29	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.27	.22	.19	.17



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 August 2023

Range: 0 - 180DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

WEC AND CCEC

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm		
NAME: Wok 33 13W color toning LED ceiling light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.311	.177	.056	.295	.168	.054	.265	.152	.049	.238	.137	.044	.213	.123	.040	
2.0	.285	.156	.048	.270	.149	.046	.243	.135	.042	.218	.123	.038	.195	.111	.035	
3.0	.260	.139	.042	.247	.132	.040	.223	.121	.037	.200	.110	.034	.179	.099	.031	
4.0	.239	.124	.037	.227	.119	.035	.205	.109	.032	.184	.099	.030	.165	.089	.027	
5.0	.220	.112	.033	.209	.107	.031	.189	.098	.029	.170	.090	.027	.152	.081	.024	
6.0	.204	.102	.029	.194	.098	.028	.175	.090	.026	.158	.082	.024	.141	.074	.022	
7.0	.189	.094	.027	.180	.090	.026	.163	.082	.024	.147	.075	.022	.132	.068	.020	
8.0	.177	.086	.024	.168	.083	.023	.152	.076	.022	.137	.070	.020	.123	.063	.018	
9.0	.166	.080	.022	.158	.077	.022	.143	.071	.020	.129	.065	.019	.116	.059	.017	
10.0	.156	.075	.021	.148	.072	.020	.135	.066	.019	.121	.060	.017	.109	.055	.016	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.413	.413	.413	.353	.353	.353	.241	.241	.241	.138	.138	.138	.044	.044	.044	
1.0	.405	.380	.358	.346	.326	.308	.237	.225	.213	.136	.130	.124	.044	.042	.040	
2.0	.397	.358	.325	.340	.308	.281	.233	.213	.196	.134	.124	.115	.043	.040	.037	
3.0	.389	.341	.303	.334	.294	.262	.229	.204	.184	.132	.119	.108	.043	.039	.036	
4.0	.382	.329	.288	.328	.284	.250	.226	.198	.176	.130	.116	.104	.042	.038	.034	
5.0	.375	.319	.277	.322	.276	.241	.222	.193	.170	.129	.113	.101	.041	.037	.033	
6.0	.368	.311	.270	.317	.269	.235	.218	.189	.166	.127	.111	.099	.041	.036	.033	
7.0	.362	.305	.264	.311	.264	.230	.215	.185	.163	.125	.109	.097	.040	.036	.032	
8.0	.356	.299	.260	.306	.259	.227	.212	.182	.161	.123	.107	.096	.040	.035	.032	
9.0	.350	.294	.257	.301	.256	.224	.209	.180	.159	.122	.106	.095	.039	.035	.031	
10.0	.344	.290	.254	.297	.252	.222	.206	.177	.158	.120	.105	.094	.039	.034	.031	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 August 2023

g Range: 0 - 180DEG
 g Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

UGR(Unified Glare Rating) Table

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm										
NAME: Wok 33 13W color toning LED ceiling light					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: CG LIGHTING					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	12.7	13.9	13.3	14.5	15.2	13.9	15.0	14.5	15.7	16.4
3H	14.3	15.3	14.9	16.0	16.8	15.7	16.7	16.4	17.4	18.2
4H	14.9	15.9	15.6	16.6	17.4	16.4	17.4	17.1	18.1	18.9
6H	15.3	16.2	16.0	16.9	17.8	16.9	17.8	17.6	18.5	19.4
8H	15.4	16.3	16.1	17.0	17.9	17.0	17.9	17.7	18.6	19.5
12H	15.5	16.3	16.2	17.1	17.9	17.1	17.9	17.8	18.7	19.5
4H 2H	13.5	14.5	14.2	15.1	16.0	14.4	15.3	15.0	16.0	16.8
3H	15.2	16.0	15.9	16.8	17.6	16.4	17.2	17.1	17.9	18.8
4H	15.9	16.7	16.7	17.4	18.3	17.2	18.0	18.0	18.7	19.6
6H	16.5	17.1	17.2	17.9	18.8	17.8	18.5	18.6	19.3	20.2
8H	16.6	17.2	17.4	18.0	19.0	18.0	18.6	18.8	19.4	20.4
12H	16.7	17.3	17.5	18.1	19.0	18.1	18.7	18.9	19.5	20.4
8H 4H	16.3	16.9	17.1	17.7	18.6	17.4	18.0	18.2	18.8	19.8
6H	17.0	17.5	17.8	18.3	19.3	18.2	18.7	19.0	19.5	20.5
8H	17.2	17.7	18.0	18.5	19.5	18.4	18.9	19.2	19.7	20.7
12H	17.4	17.7	18.2	18.6	19.6	18.6	19.0	19.4	19.8	20.8
12H 4H	16.3	16.9	17.1	17.7	18.6	17.4	17.9	18.2	18.7	19.7
6H	17.0	17.5	17.9	18.3	19.3	18.2	18.6	19.0	19.5	20.5
8H	17.3	17.7	18.1	18.5	19.6	18.5	18.9	19.3	19.7	20.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2				
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117, 1142 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.5)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 August 2023

g Range: 0 - 180DEG
 g Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

UTILIZATION FACTORS TABLE

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm		
NAME: Wok 33 13W color toning LED ceiling light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

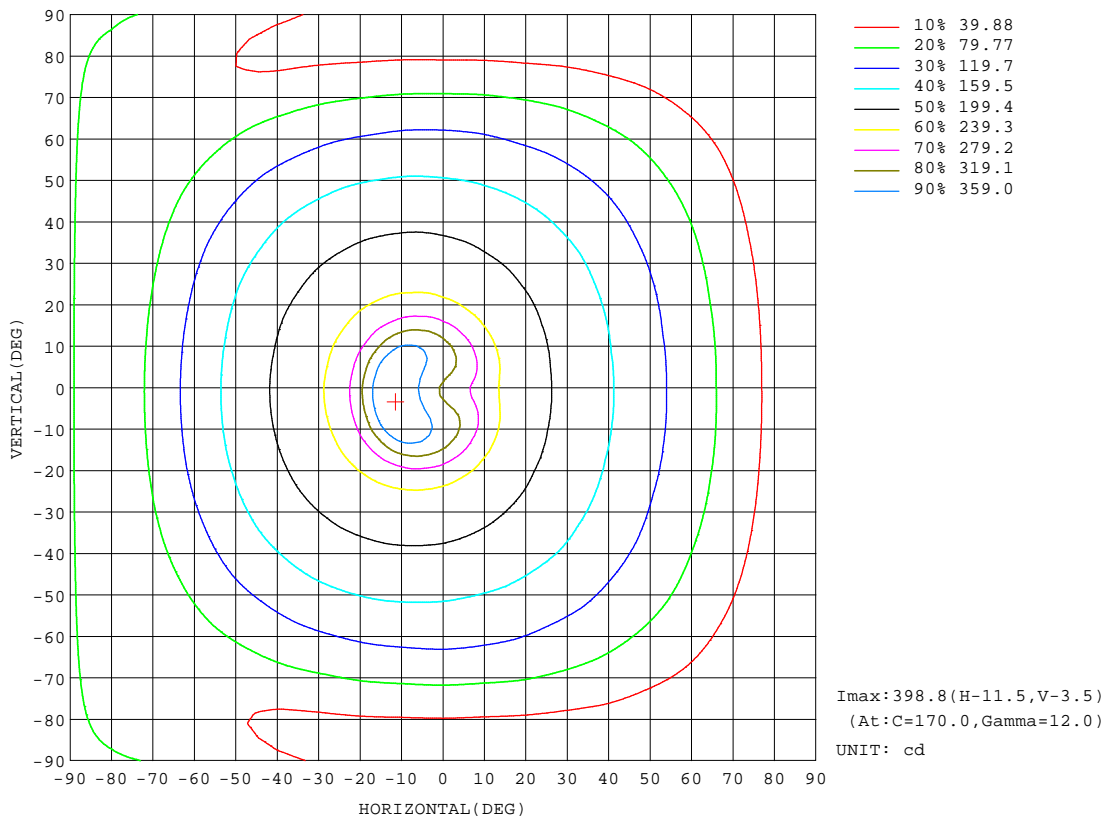
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	36	29	47	35	29	44	34	28	22
0.80	57	45	37	55	44	37	52	42	36	28
1.00	65	53	45	63	52	44	59	51	43	34
1.25	72	60	52	69	59	51	64	55	49	39
1.50	77	66	58	74	64	57	68	60	54	42
2.00	85	75	67	81	72	65	74	67	61	48
2.50	89	80	73	85	77	70	77	71	65	51
3.00	93	85	78	88	81	75	80	74	70	54
4.00	97	90	85	92	86	81	83	79	75	57
5.00	100	94	89	95	90	86	85	82	78	60
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 August 2023

g Range: 0 - 180DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

ISOCANDELA DIAGRAM

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm		
NAME: Wok 33 13W color toning LED ceiling light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

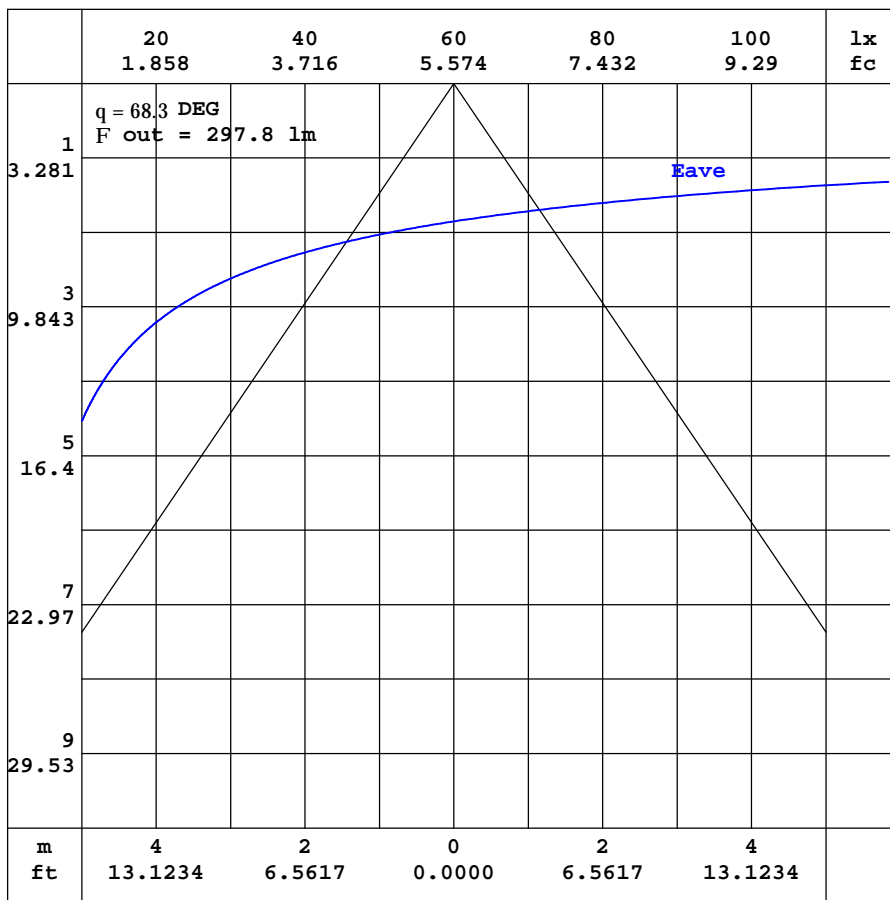


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 19 August 2023

Range: 0 - 180DEG
 Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity: 65.0%
 Test Distance: 10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

AAI CURVES

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm		
NAME: Wok 33 13W color toning LED ceiling light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



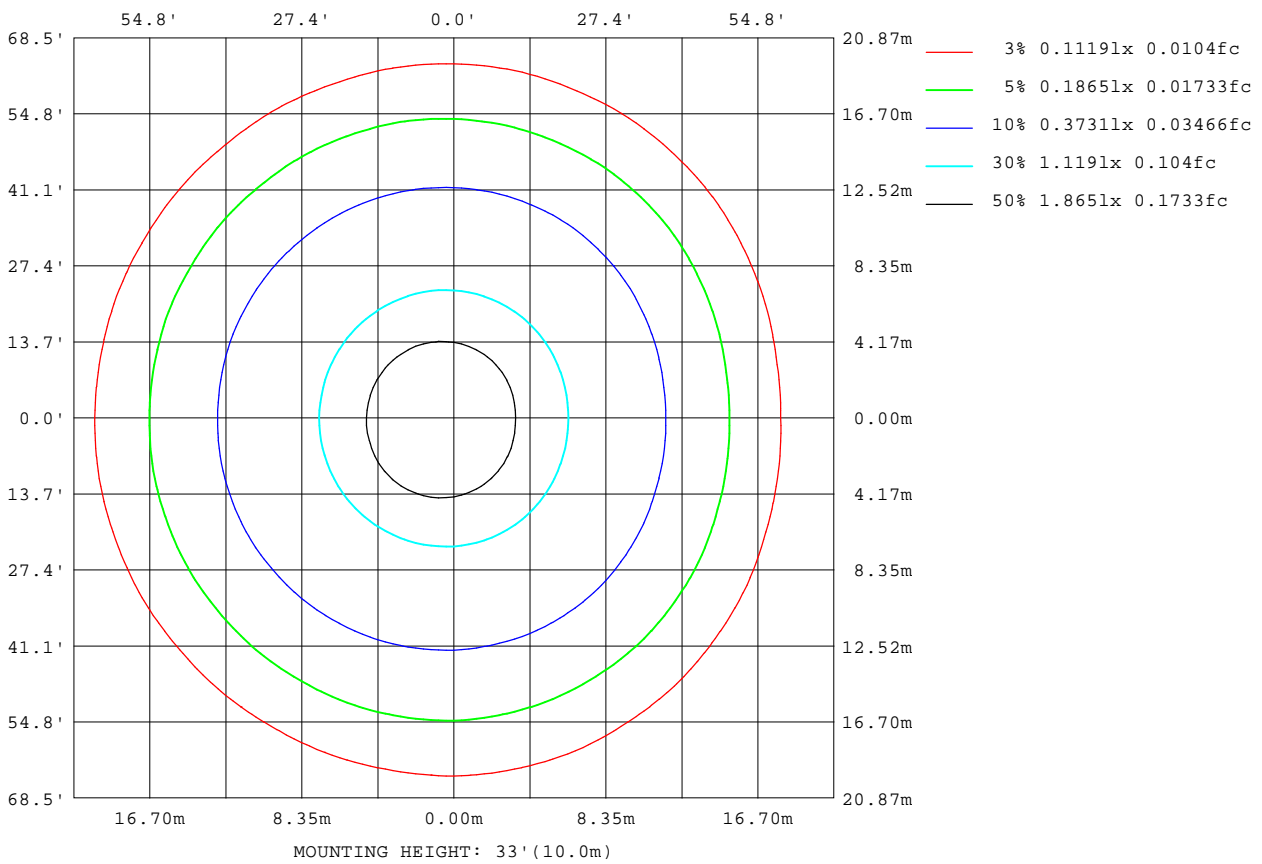
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 August 2023

Range: 0 - 180DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

ISOLUX DIAGRAM

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm		
NAME: Wok 33 13W color toning LED ceiling light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 19 August 2023

Range: 0 - 180DEG
 Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity: 65.0%
 Test Distance: 10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

LED Avg.L Report

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm		
NAME: Wok 33 13W color toning LED ceiling light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

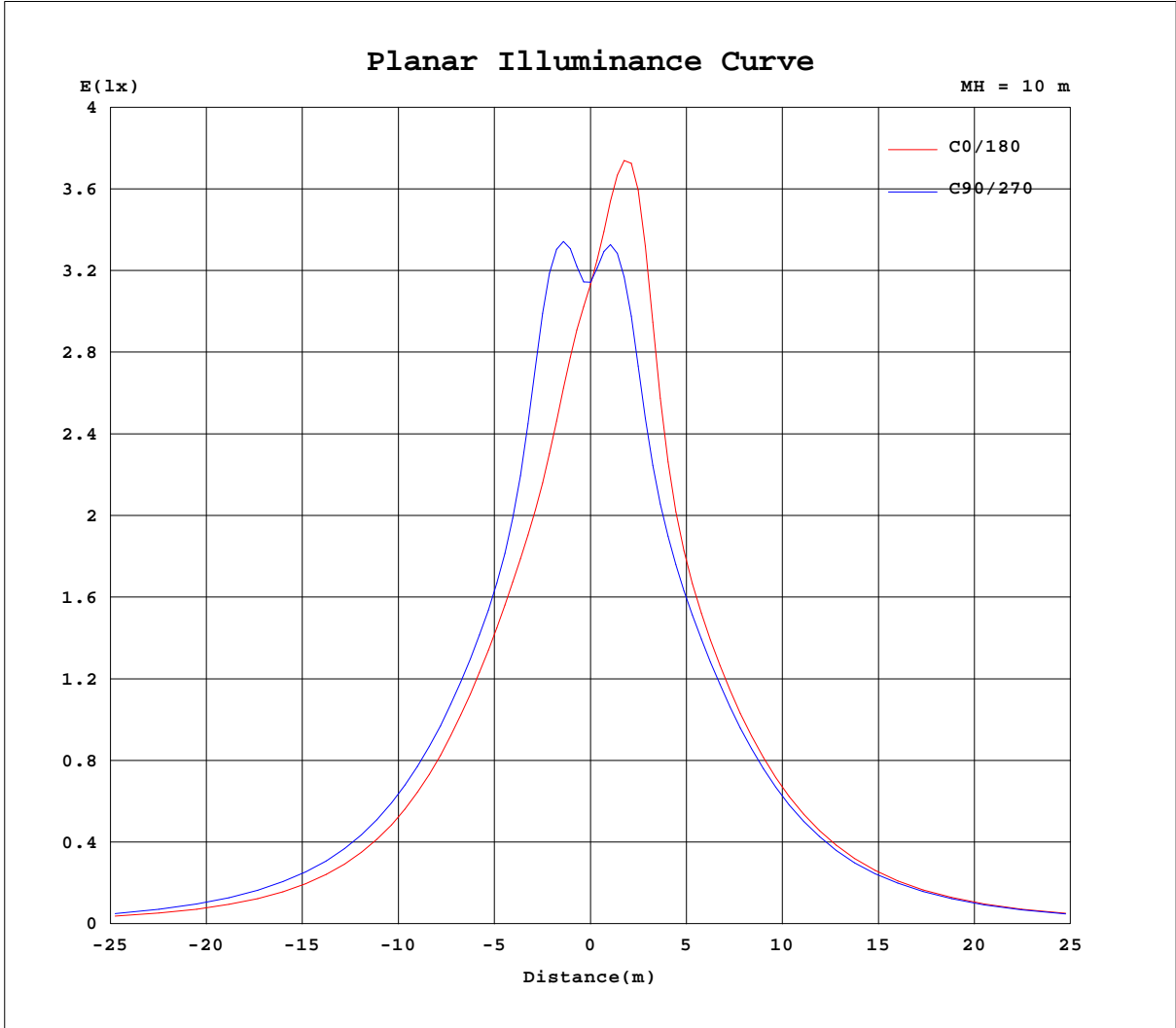
AvgL	cd/m2
L_0~180(65)av	2316
L_0~180(75)av	2198
L_0~180(85)av	4309
L_90~270(65)av	2588
L_90~270(75)av	2389
L_90~270(85)av	1730
L_45(65)av	2477
L_45(75)av	2350
L_45(85)av	3014

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 August 2023

g Range: 0 - 180DEG
 g Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LQL
Test Date: 19 August 2023

Page Range: 0 - 180DEG
Page Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.403
Humidity: 65.0%
Test Distance: 10.365m [K=1.0000]
Remarks: ZG2BRG23L00 AS-15-350TF

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm		
NAME: Wok 33 13W color toning LED ceiling light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	313	314	313	314	314	315	314	314	314	314	314	314	314	314	315	314	315	314	313
5	293	293	295	298	302	307	312	316	321	324	328	331	334	335	338	339	341	341	342
10	258	260	265	275	287	300	313	325	336	346	355	364	372	379	385	388	391	392	392
15	237	238	242	250	259	270	282	297	312	327	341	357	370	382	390	395	396	395	393
20	216	216	218	222	226	231	238	246	254	265	275	288	299	311	315	318	315	313	310
25	205	206	207	210	213	217	222	227	232	238	244	251	256	263	266	268	267	266	265
30	190	191	192	195	198	202	206	210	214	218	221	224	228	231	233	234	234	235	235
35	180	180	182	185	189	193	197	201	205	208	211	214	216	219	220	222	222	222	222
40	163	164	166	170	174	179	182	187	190	193	196	198	200	202	203	204	205	205	205
45	151	152	155	159	163	168	172	176	179	183	185	187	189	191	192	193	193	193	193
50	133	134	136	141	145	151	154	159	162	165	167	169	170	172	172	173	173	173	172
55	119	121	124	129	133	138	142	146	149	152	154	156	157	158	159	159	159	159	158
60	100.0	102	105	110	114	119	123	127	130	133	133	134	134	135	134	135	135	135	134
65	86.7	88.6	91.5	96.7	101	106	109	113	115	116	115	117	116	117	117	118	117	118	117
70	65.6	67.4	70.1	74.8	78.3	82.4	85.1	87.7	87.4	88.4	87.9	88.9	88.6	89.6	89.1	90.3	89.7	90.2	89.6
75	50.9	52.5	54.8	58.9	61.9	65.5	67.0	68.4	68.1	69.0	68.6	69.6	69.4	70.2	70.1	71.1	70.6	71.4	70.9
80	28.6	29.8	30.8	33.4	35.0	37.6	37.5	38.4	37.9	38.9	38.5	39.6	39.3	41.0	45.2	50.5	54.4	56.9	57.4
85	15.5	16.2	16.4	18.0	18.5	19.8	19.4	20.1	19.4	20.1	19.6	20.9	26.3	34.1	41.7	49.0	55.6	58.7	60.1
90	2.27	2.46	2.38	2.56	2.41	2.50	2.24	2.26	1.98	3.85	11.7	22.6	36.1	47.7	60.9	71.0	78.7	82.2	84.6
95	2.23	2.26	2.26	2.26	2.22	2.20	2.11	2.67	8.02	17.5	31.5	46.2	62.4	77.1	89.5	99.4	108	112	114
100	2.26	2.36	2.31	2.38	2.42	3.99	11.5	23.3	39.6	54.6	73.0	88.9	108	123	136	147	153	157	160
105	2.37	2.48	2.52	3.03	7.28	18.3	35.8	50.5	67.4	84.5	103	121	139	153	166	176	182	186	188
110	2.52	34.5	37.5	41.8	52.9	65.2	79.3	95.1	114	130	149	167	184	193	204	219	221	224	227
115	2.55	62.4	68.3	72.9	84.5	93.7	111	125	144	160	179	191	205	217	229	242	246	250	251
120	2.69	108	114	119	131	141	154	171	185	180	76.3	39.8	6.37	3.68	4.61	3.06	3.81	2.83	3.39
125	2.84	6.93	6.82	6.65	7.66	7.26	7.32	6.87	5.67	4.39	3.66	3.13	2.93	2.65	2.52	2.33	2.13	2.08	2.24
130	3.08	4.61	5.03	5.72	6.00	5.86	5.64	5.16	4.69	4.15	3.63	3.34	3.02	2.88	2.66	2.59	2.41	2.32	2.48
135	3.24	4.10	4.72	5.21	5.56	5.53	5.37	5.00	4.67	4.24	3.81	3.52	3.21	3.08	2.87	2.80	2.60	2.52	2.67
140	3.50	4.03	4.50	4.80	5.09	5.13	5.15	4.89	4.66	4.35	3.97	3.77	3.49	3.38	3.15	3.10	2.87	2.81	2.97
145	3.67	4.06	4.45	4.68	4.96	4.98	4.99	4.80	4.66	4.41	4.07	3.93	3.68	3.56	3.35	3.28	3.02	3.01	3.18
150	3.90	4.17	4.43	4.67	4.82	4.82	4.87	4.75	4.66	4.47	4.25	4.14	3.97	3.82	3.62	3.55	3.30	3.32	3.49
155	4.02	4.24	4.43	4.62	4.76	4.76	4.83	4.71	4.67	4.53	4.33	4.24	4.05	3.99	3.80	3.71	3.49	3.54	3.69
160	4.17	4.31	4.43	4.57	4.67	4.67	4.76	4.67	4.67	4.53	4.43	4.39	4.23	4.11	3.91	3.87	3.80	3.85	3.98
165	4.28	4.36	4.43	4.55	4.66	4.64	4.70	4.66	4.66	4.53	4.49	4.43	4.29	4.09	3.98	4.04	3.96	4.03	4.14
170	4.41	4.45	4.43	4.55	4.59	4.57	4.64	4.61	4.62	4.53	4.56	4.32	4.24	4.29	4.22	4.27	4.19	4.26	4.35
175	4.49	4.52	4.49	4.54	4.59	4.55	4.60	4.54	4.59	4.50	4.36	4.43	4.34	4.41	4.33	4.40	4.32	4.38	4.47
180	4.54	4.56	4.54	4.55	4.55	4.54	4.53	4.52	4.51	4.50	4.44	4.48	4.44	4.45	4.44	4.45	4.44	4.44	4.53

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:19 August 2023

g Range: 0 - 180DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: ZG2BRG23L00 AS-15-350TF

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.68V I:0.0671A P:14.855W PF:0.9588 Freq:49.99Hz Lamp Flux:1141.93x1 lm		
NAME: Wok 33 13W color toning LED ceiling light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	314	313	314	314	315	314	314	314	314	314	314	314	314	315	314	315	314		
5	343	343	344	342	342	340	338	335	332	328	324	319	315	310	305	300	296		
10	390	386	382	376	369	361	352	343	332	322	311	302	292	284	276	269	262		
15	389	383	375	366	354	341	326	313	299	288	277	268	259	253	247	243	238		
20	306	302	295	289	280	272	263	256	248	242	236	232	227	224	220	218	216		
25	263	261	257	254	249	245	240	236	231	227	222	219	215	212	209	207	205		
30	233	233	231	229	227	224	221	219	215	212	208	205	201	198	195	192	190		
35	221	221	219	218	216	214	211	209	206	203	199	196	192	188	185	182	180		
40	204	204	202	202	200	198	196	194	191	188	184	181	177	173	169	166	163		
45	192	192	190	190	188	187	185	183	180	177	174	170	166	162	158	155	152		
50	172	172	171	170	169	168	166	164	161	159	156	153	148	144	140	136	133		
55	157	158	157	157	155	154	152	151	148	146	142	140	136	132	127	124	120		
60	134	134	133	133	131	131	130	130	128	126	122	119	116	113	108	104	101		
65	116	116	115	115	114	114	113	113	112	111	108	105	102	98.9	94.5	91.1	87.5		
70	88.6	88.8	87.5	87.2	86.0	85.8	84.8	84.8	83.9	84.1	82.8	81.5	78.5	76.3	72.6	69.6	66.3		
75	69.8	69.6	68.3	68.0	66.6	66.5	65.4	65.6	64.5	64.9	64.1	63.9	61.4	59.7	56.6	54.2	51.4		
80	55.8	52.3	47.3	42.3	37.9	37.0	35.7	36.0	35.0	35.5	34.8	35.4	34.3	33.5	31.4	30.3	28.6		
85	58.6	54.4	48.1	39.7	31.5	23.5	18.8	18.2	17.7	18.1	17.7	18.4	17.8	17.8	16.6	16.3	15.4		
90	83.0	77.8	70.2	60.0	49.1	34.3	22.3	10.7	3.34	2.15	2.12	2.38	2.37	2.57	2.45	2.52	2.34		
95	114	108	102	89.1	75.1	60.8	46.1	30.0	17.0	6.11	2.60	2.16	2.20	2.26	2.29	2.31	2.28		
100	159	153	149	134	121	109	89.9	71.0	54.8	36.7	22.1	7.97	3.16	2.46	2.34	2.40	2.30		
105	187	181	173	167	151	139	120	101	83.8	65.1	51.4	31.7	19.1	9.55	7.04	2.64	2.39		
110	226	221	217	207	197	179	166	148	131	111	95.5	77.0	66.9	52.3	44.6	38.9	37.5		
115	251	246	240	233	218	208	195	177	160	142	126	110	100	83.4	73.8	67.5	64.7		
120	4.38	3.73	6.79	63.2	125	227	228	214	201	186	174	154	143	132	121	113	107		
125	2.30	2.39	2.67	2.85	3.20	3.54	4.06	4.98	7.03	8.14	9.49	9.48	12.4	23.3	17.0	25.9	10.9		
130	2.49	2.65	2.78	2.93	3.10	3.37	3.62	4.10	4.65	5.22	5.93	6.35	6.58	6.52	6.27	5.46	4.87		
135	2.66	2.86	2.92	3.14	3.27	3.55	3.80	4.23	4.66	5.09	5.60	5.89	6.14	6.04	5.74	5.09	4.54		
140	2.93	3.16	3.24	3.45	3.56	3.82	4.00	4.37	4.66	5.01	5.37	5.50	5.64	5.46	5.26	4.80	4.35		
145	3.12	3.37	3.44	3.57	3.70	3.99	4.15	4.46	4.66	4.92	5.22	5.34	5.40	5.24	5.09	4.70	4.33		
150	3.43	3.65	3.72	3.91	3.96	4.15	4.31	4.58	4.70	4.91	5.08	5.11	5.17	5.02	4.92	4.61	4.33		
155	3.62	3.80	3.91	4.08	4.16	4.28	4.41	4.64	4.70	4.90	5.00	4.99	5.04	4.91	4.84	4.56	4.33		
160	3.91	3.99	3.96	4.19	4.32	4.48	4.46	4.64	4.73	4.76	4.93	4.93	4.88	4.76	4.73	4.53	4.37		
165	4.06	4.15	4.07	4.16	4.18	4.52	4.55	4.56	4.73	4.69	4.81	4.76	4.79	4.66	4.65	4.53	4.41		
170	4.27	4.33	4.29	4.35	4.29	4.36	4.39	4.65	4.63	4.65	4.70	4.64	4.69	4.59	4.60	4.53	4.41		
175	4.40	4.46	4.41	4.47	4.41	4.47	4.41	4.47	4.64	4.59	4.66	4.58	4.64	4.55	4.59	4.52	4.44		
180	4.53	4.55	4.55	4.54	4.54	4.53	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.49	4.50	4.49	4.47		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
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 Operators:LQL
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g Range: 0 - 180DEG
 Interval: 2.0DEG
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