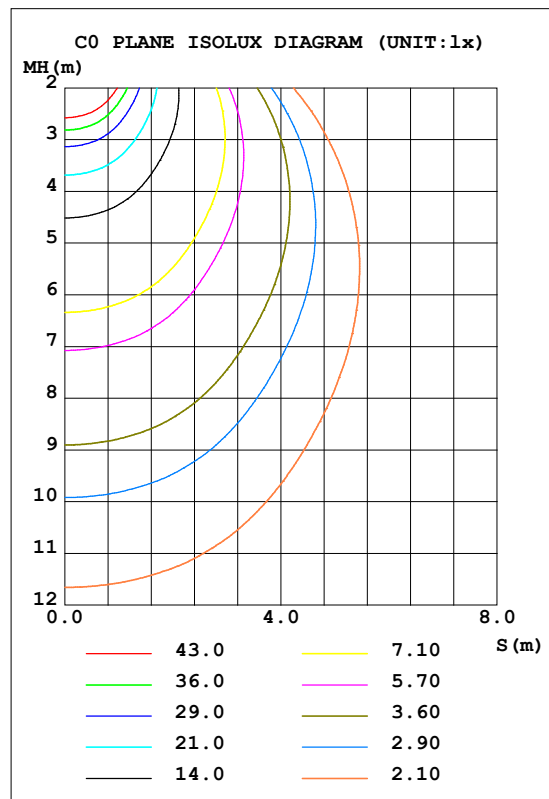
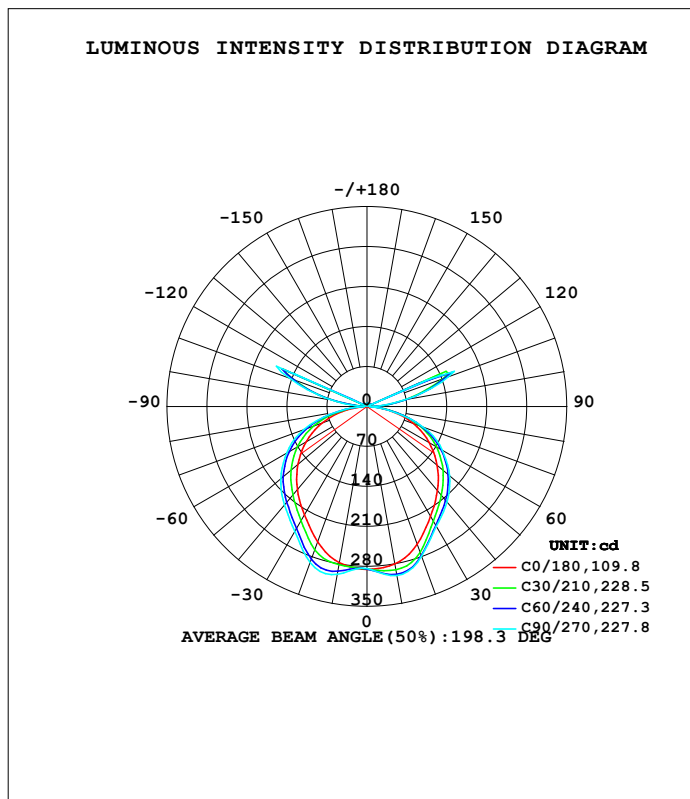


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm		
NAME: Moon 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	1532ACT-5R	Imax (cd)	301.5	S/MH (C0/180)	1.15
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.31
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	1103.1	h UP, DN (C0-180)	10.0, 39.2
NOMINAL FLUX (lm)	1103.12	CIE CLASS	SEMI-D.	h UP, DN (C180-360)	10.0, 40.7
LAMPS INSIDE	1	h up (%)	20.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	h down (%)	80.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 14 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: ZG2BRG2333L00 AS-15-350TF

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

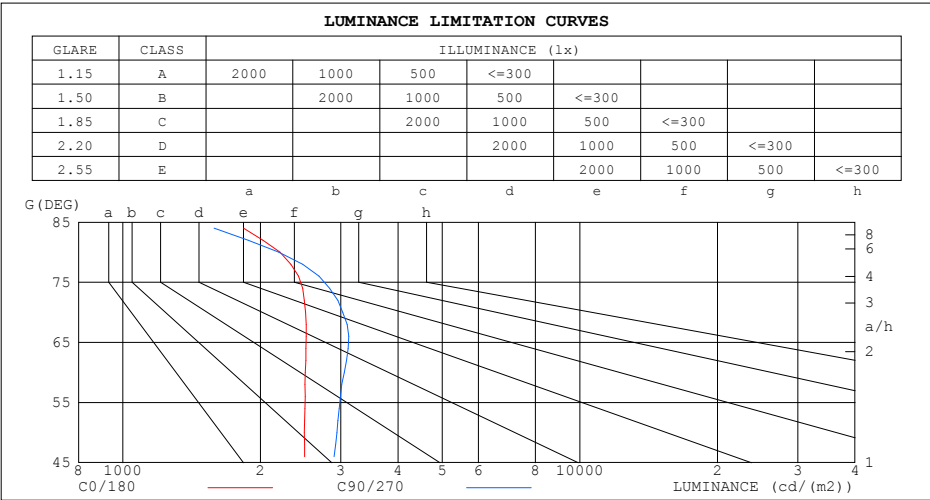
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	280.1	295.0	300.7	292.2	277.7	287.2	298.4	290.4	0- 10	27.49	27.49	2.49,2.49
20	256.9	276.2	279.2	269.2	252.4	277.3	291.2	281.4	10- 20	80.48	108.0	9.79,9.79
30	222.8	237.3	242.9	232.3	219.2	239.6	252.9	241.9	20- 30	117.2	225.2	20.4,20.4
40	192.2	209.4	217.9	206.3	189.7	211.4	224.9	212.6	30- 40	139.0	364.2	33,33
50	160.5	181.0	189.0	178.2	158.1	183.7	197.3	185.3	40- 50	150.0	514.2	46.6,46.6
60	125.5	146.1	152.6	143.2	122.5	150.1	161.7	151.9	50- 60	145.5	659.7	59.8,59.8
70	85.93	100.2	103.7	97.39	82.55	106.1	117.2	108.1	60- 70	122.7	782.4	70.9,70.9
80	38.31	41.69	38.07	39.12	34.73	48.86	52.23	50.89	70- 80	77.24	859.6	77.9,77.9
90	1.787	7.192	5.008	6.618	1.424	7.325	4.345	7.871	80- 90	22.61	882.2	80,80
100	4.143	67.44	65.58	57.72	4.149	52.66	58.15	62.20	90-100	26.63	908.9	82.4,82.4
110	5.240	143.5	151.2	138.3	5.381	133.6	143.0	137.5	100-110	100.8	1010	91.5,91.5
120	4.698	7.712	5.849	7.437	4.704	8.110	7.129	8.196	110-120	75.96	1086	98.4,98.4
130	4.526	5.936	5.359	5.799	4.600	6.007	5.397	6.115	120-130	5.771	1091	98.9,98.9
140	4.526	5.348	5.374	5.292	4.630	5.437	5.419	5.475	130-140	4.227	1096	99.3,99.3
150	4.555	5.106	5.329	5.106	4.704	5.225	5.411	5.207	140-150	3.226	1099	99.6,99.6
160	4.749	5.047	5.255	4.808	4.838	5.032	5.344	5.140	150-160	2.335	1101	99.8,99.8
170	4.927	5.195	5.225	4.913	4.987	4.920	5.240	5.192	160-170	1.427	1103	100,100
180	5.389	5.389	5.024	5.385	5.382	5.389	5.032	5.385	170-180	0.4913	1103	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:14 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: ZG2BRG2333L00 AS-15-350TF

LUMINANCE LIMITATION CURVES

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm		
NAME: Moon 33 13W color toning LED ceiling light TYPE:		WEIGHT:
SPEC.:		SERIAL No.:
MFR.: CG LIGHTING		Shielding Angle:



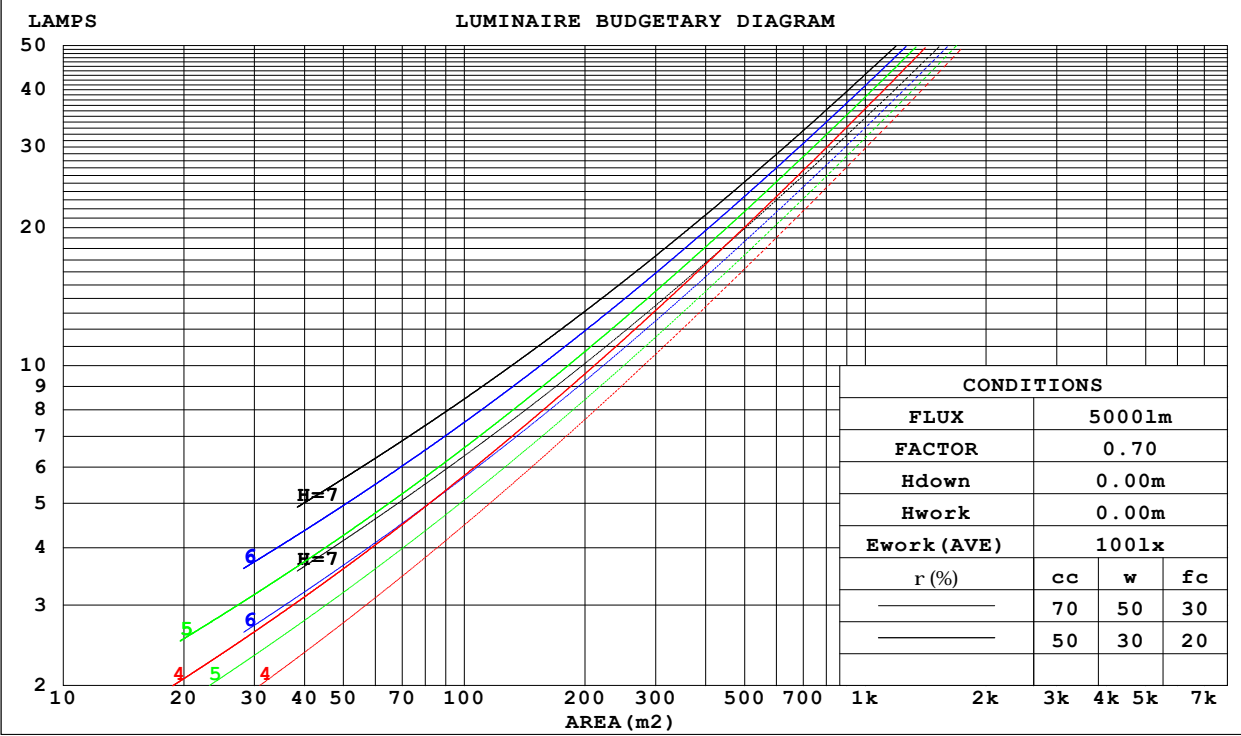
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:14 August 2023

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: ZG2BRG2333L00 AS-15-350TF

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm		
NAME: Moon 33 13W color toning LED ceiling light TYPE:		WEIGHT:
SPEC.:		SERIAL No.:
MFR.: CG LIGHTING		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	1.14	1.14	1.14	1.09	1.09	1.09	.00	.00	.00	.91	.91	.91	.84	.84	.84	.80
1.0	.99	.94	.90	.95	.91	.87	.87	.84	.81	.79	.77	.75	.73	.71	.69	.66
2.0	.85	.79	.73	.82	.76	.70	.75	.70	.66	.69	.65	.61	.63	.60	.57	.54
3.0	.75	.66	.60	.72	.64	.58	.66	.60	.55	.60	.55	.51	.55	.51	.48	.45
4.0	.66	.57	.50	.63	.55	.49	.58	.51	.46	.53	.48	.43	.49	.45	.41	.38
5.0	.59	.50	.43	.56	.48	.42	.52	.45	.40	.48	.42	.37	.44	.39	.35	.33
6.0	.53	.44	.37	.51	.42	.36	.47	.40	.34	.43	.37	.33	.40	.35	.31	.28
7.0	.47	.39	.33	.46	.38	.32	.42	.35	.30	.39	.33	.29	.36	.31	.27	.25
8.0	.43	.35	.29	.42	.34	.28	.39	.32	.27	.36	.30	.26	.33	.28	.24	.22
9.0	.40	.31	.26	.38	.31	.25	.36	.29	.24	.33	.27	.23	.31	.26	.22	.20
10.0	.36	.29	.23	.35	.28	.23	.33	.26	.22	.31	.25	.21	.28	.24	.20	.18



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:14 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: ZG2BRG2333L00 AS-15-350TF

WEC AND CCEC

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm		
NAME: Moon 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	.316	.179	.057	.302	.173	.055	.278	.159	.051	.255	.147	.047	.234	.136	.044	
2.0	.293	.161	.049	.281	.155	.048	.259	.144	.045	.238	.134	.042	.219	.124	.039	
3.0	.269	.143	.043	.258	.138	.042	.238	.129	.039	.220	.120	.037	.202	.112	.035	
4.0	.247	.128	.038	.237	.124	.037	.219	.116	.035	.202	.109	.033	.186	.101	.031	
5.0	.228	.116	.034	.219	.112	.033	.202	.105	.031	.187	.098	.029	.172	.092	.028	
6.0	.210	.106	.030	.202	.102	.029	.187	.096	.028	.173	.090	.026	.160	.084	.025	
7.0	.195	.097	.027	.188	.094	.027	.174	.088	.025	.161	.083	.024	.149	.077	.023	
8.0	.182	.089	.025	.176	.086	.024	.163	.081	.023	.151	.076	.022	.139	.071	.021	
9.0	.171	.082	.023	.164	.080	.022	.152	.075	.021	.141	.071	.020	.131	.066	.019	
10.0	.160	.077	.021	.154	.075	.021	.143	.070	.020	.133	.066	.019	.123	.062	.018	

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	.343	.343	.343	.293	.293	.293	.200	.200	.200	.115	.115	.115	.037	.037	.037	
1.0	.335	.310	.288	.286	.266	.248	.196	.183	.171	.113	.106	.100	.036	.034	.032	
2.0	.327	.287	.253	.280	.247	.218	.192	.171	.152	.111	.099	.089	.036	.032	.029	
3.0	.320	.270	.230	.274	.233	.200	.188	.162	.140	.109	.094	.082	.035	.031	.027	
4.0	.313	.257	.215	.268	.222	.187	.185	.155	.132	.107	.091	.078	.034	.030	.026	
5.0	.306	.247	.205	.262	.214	.178	.181	.150	.126	.105	.088	.075	.034	.029	.025	
6.0	.299	.239	.197	.257	.207	.172	.177	.145	.121	.103	.085	.072	.033	.028	.024	
7.0	.292	.233	.191	.251	.202	.167	.173	.141	.118	.101	.083	.070	.033	.027	.023	
8.0	.286	.227	.187	.246	.197	.163	.170	.138	.116	.099	.082	.069	.032	.027	.023	
9.0	.280	.223	.184	.241	.193	.160	.167	.136	.114	.097	.080	.068	.031	.026	.023	
10.0	.274	.218	.181	.236	.190	.158	.164	.133	.112	.096	.079	.067	.031	.026	.022	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:14 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: ZG2BRG2333L00 AS-15-350TF

UGR(Unified Glare Rating) Table

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm										
NAME: Moon 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	14.7	15.9	15.2	16.5	17.0	15.4	16.7	16.0	17.2	17.8
3H	16.4	17.5	16.9	18.1	18.7	17.3	18.4	17.8	19.0	19.6
4H	17.1	18.2	17.7	18.8	19.4	17.9	19.0	18.5	19.6	20.3
6H	17.6	18.6	18.2	19.2	19.9	18.3	19.3	18.9	19.9	20.6
8H	17.8	18.7	18.4	19.3	20.0	18.4	19.4	19.0	20.0	20.7
12H	17.8	18.8	18.4	19.4	20.1	18.4	19.3	19.0	19.9	20.6
4H 2H	15.5	16.6	16.0	17.1	17.8	16.0	17.1	16.6	17.7	18.4
3H	17.4	18.3	18.0	18.9	19.6	18.0	19.0	18.6	19.6	20.3
4H	18.2	19.1	18.8	19.7	20.4	18.8	19.7	19.5	20.3	21.1
6H	18.8	19.6	19.5	20.2	21.0	19.3	20.1	20.0	20.7	21.5
8H	19.0	19.7	19.7	20.4	21.2	19.4	20.1	20.1	20.8	21.6
12H	19.1	19.8	19.8	20.4	21.2	19.4	20.0	20.1	20.7	21.5
8H 4H	18.5	19.2	19.2	19.9	20.7	19.0	19.8	19.7	20.4	21.2
6H	19.3	19.9	20.0	20.6	21.4	19.6	20.2	20.4	20.9	21.8
8H	19.5	20.1	20.3	20.8	21.6	19.8	20.3	20.5	21.0	21.9
12H	19.7	20.2	20.5	20.9	21.8	19.9	20.3	20.6	21.0	21.9
12H 4H	18.5	19.2	19.2	19.8	20.7	19.0	19.7	19.7	20.4	21.2
6H	19.3	19.8	20.0	20.6	21.4	19.7	20.2	20.4	20.9	21.8
8H	19.6	20.1	20.4	20.8	21.7	19.9	20.3	20.6	21.0	21.9
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 / - 0.5					+ 0.2 / - 0.3				

CIE Pub.117, 1103 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:14 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: ZG2BRG2333L00 AS-15-350TF

UTILIZATION FACTORS TABLE

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm		
NAME: Moon 33 13W color toning LED ceiling light TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

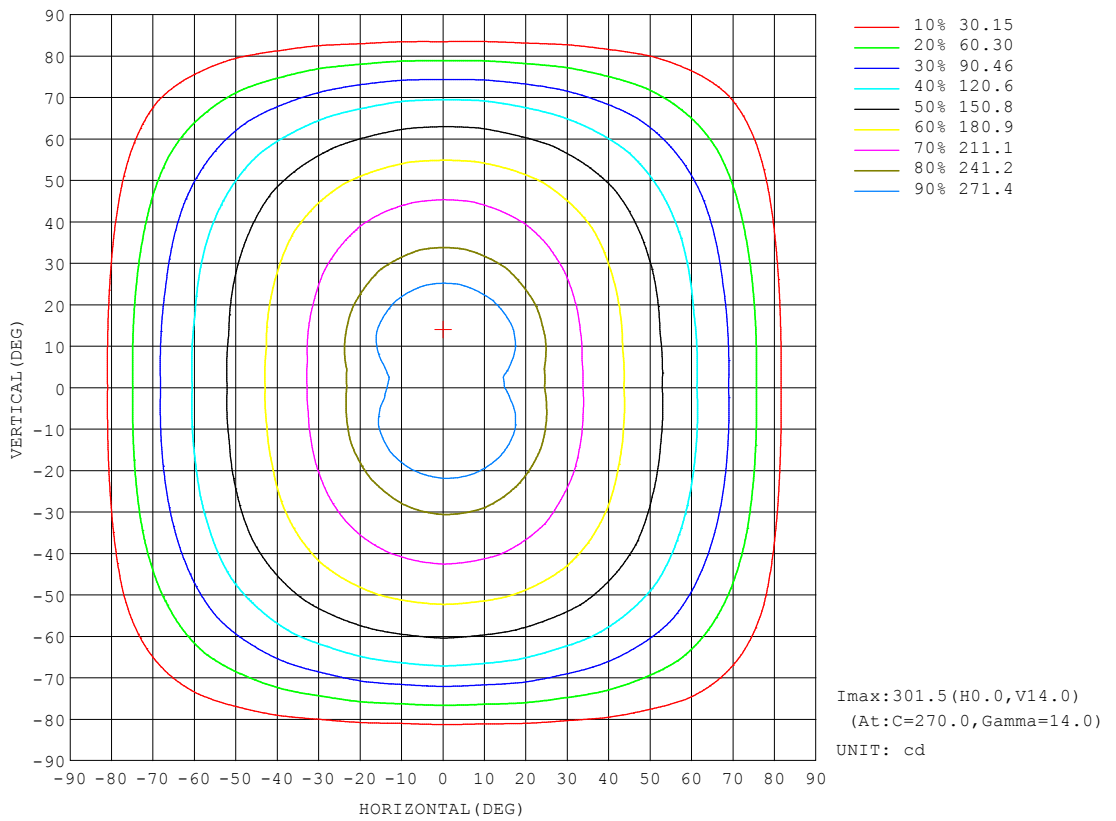
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	38	31	49	37	30	47	36	30	24
0.80	59	47	39	58	46	39	55	45	38	31
1.00	67	55	47	65	54	47	62	54	45	37
1.25	74	63	55	72	61	54	68	59	52	43
1.50	80	69	61	77	67	60	72	64	57	47
2.00	87	77	70	84	75	68	78	71	65	54
2.50	91	83	76	88	80	74	81	75	70	57
3.00	95	87	81	91	84	79	84	79	74	61
4.00	100	93	88	96	90	85	88	83	80	65
5.00	102	97	92	98	93	89	90	86	83	68
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:14 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: ZG2BRG2333L00 AS-15-350TF

ISOCANDELA DIAGRAM

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm		
NAME: Moon 33 13W color toning LED ceiling light TYPE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

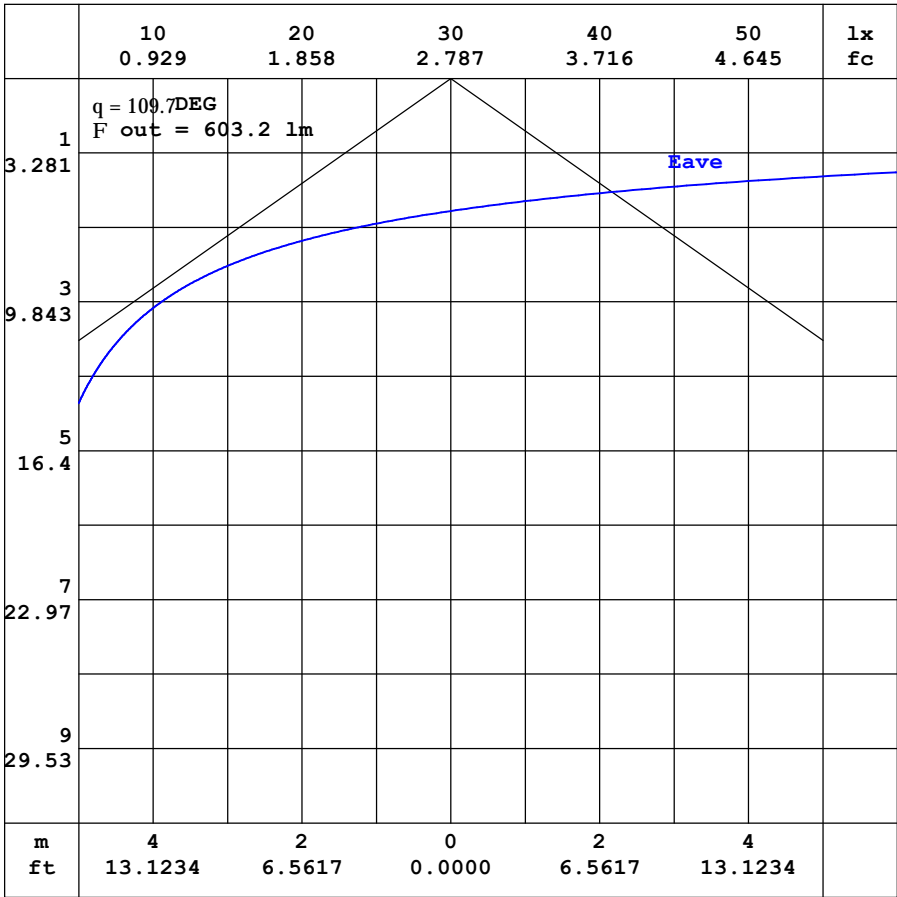


C Range: 0 - 360DEG
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Range: 0 - 180DEG
 Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: ZG2BRG2333L00 AS-15-350TF

AAI CURVES

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm		
NAME: Moon 33 13W color toning LED ceiling light TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



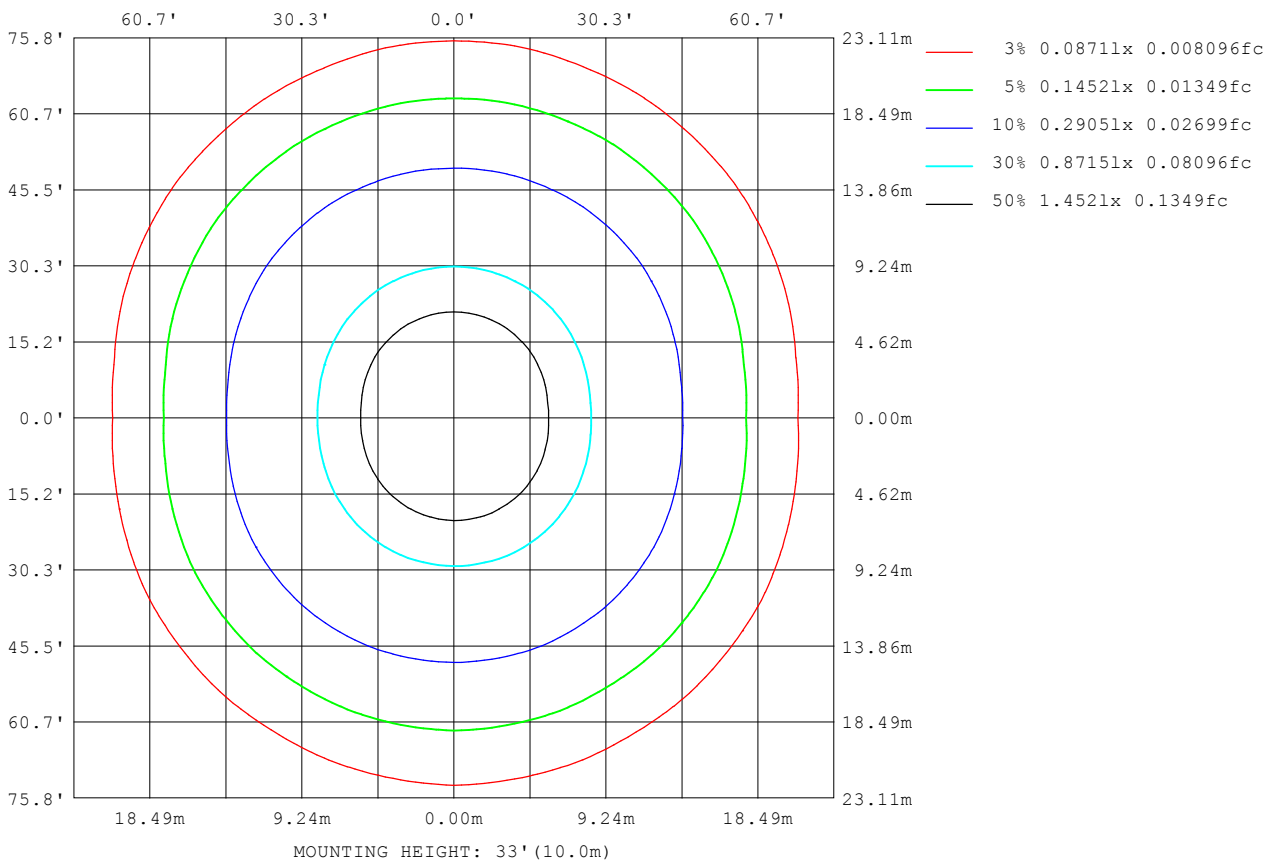
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:14 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: ZG2BRG2333L00 AS-15-350TF

ISOLUX DIAGRAM

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm		
NAME: Moon 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:14 August 2023

Page 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: ZG2BRG2333L00 AS-15-350TF

LED Avg.L Report

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm		
NAME: Moon 33 13W color toning LED ceiling light TYPE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

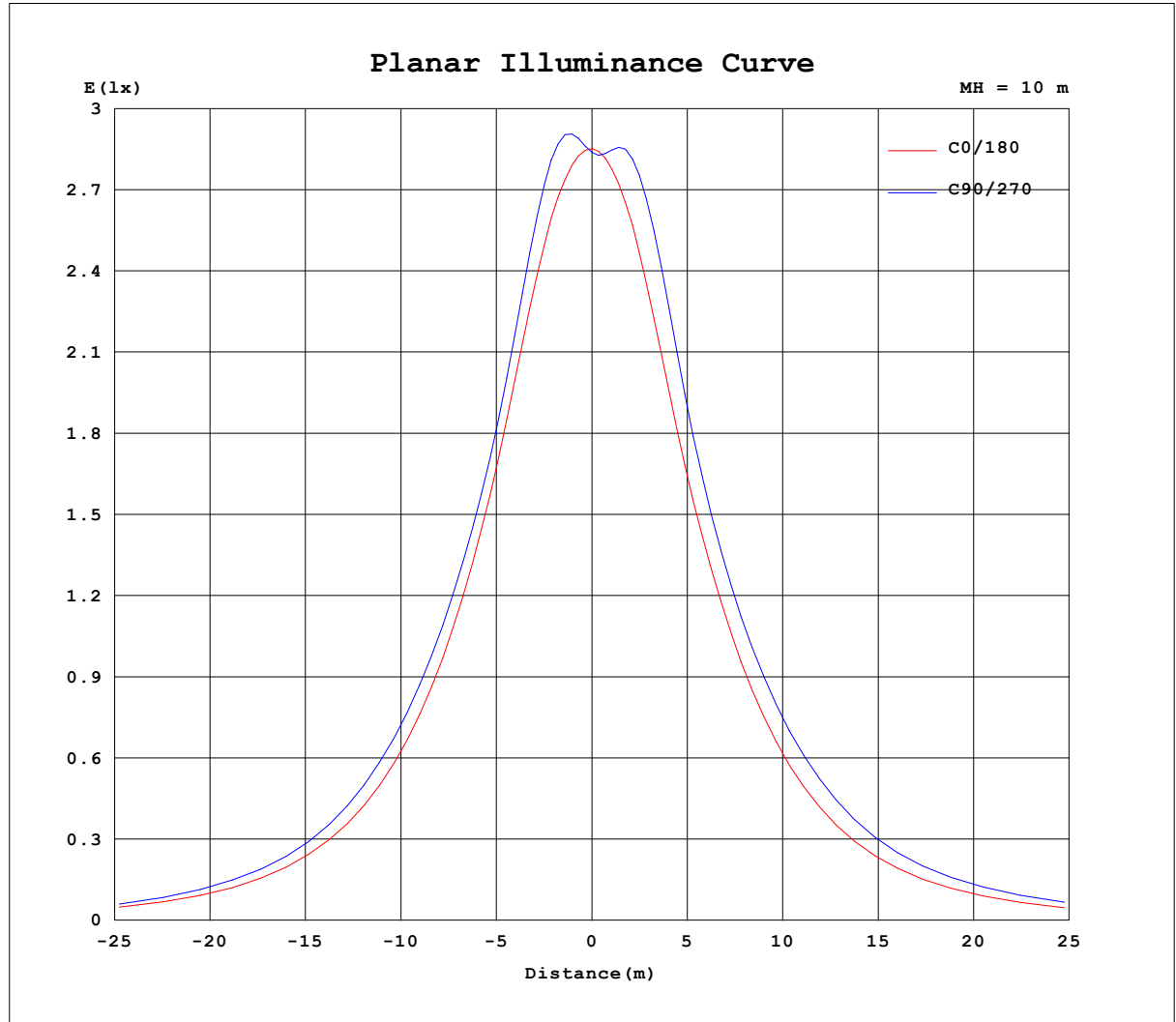
AvgL	cd/m2
L_0~180 (65) av	2482
L_0~180 (75) av	2379
L_0~180 (85) av	1630
L_90~270 (65) av	3246
L_90~270 (75) av	3040
L_90~270 (85) av	1946
L_45 (65) av	3007
L_45 (75) av	2924
L_45 (85) av	2220

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:14 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: ZG2BRG2333L00 AS-15-350TF

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 14 August 2023

Page 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: ZG2BRG2333L00 AS-15-350TF

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm		
NAME: Moon 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	285	285	285	285	284	284	285	284	284	284	284	284	284	283	283	284	284	284	285
5	285	285	286	287	289	290	291	291	292	291	291	290	289	288	286	285	284	283	284
10	280	282	286	290	294	296	298	300	300	301	300	299	297	294	290	286	282	279	278
15	273	277	282	288	291	294	296	298	298	298	297	295	293	290	287	282	277	272	270
20	257	261	267	272	275	277	278	280	279	279	278	276	274	271	267	264	259	255	252
25	243	246	251	255	258	261	262	263	263	263	262	260	257	254	251	248	244	240	238
30	223	225	228	233	236	239	241	243	243	243	242	240	237	234	230	227	223	220	219
35	210	212	216	220	224	227	230	232	232	233	231	230	227	223	220	215	211	208	207
40	192	194	198	203	207	212	214	217	218	218	217	215	212	209	204	199	194	191	190
45	180	182	186	192	196	201	203	206	207	207	206	205	202	198	193	188	182	179	178
50	160	163	168	174	179	183	186	188	188	189	188	187	184	181	176	171	164	160	158
55	147	150	155	161	166	170	172	174	174	175	174	173	170	168	163	158	152	147	144
60	125	129	134	140	144	148	149	151	152	153	151	150	147	145	141	137	131	125	123
65	110	114	119	125	128	131	132	135	135	136	134	133	130	128	124	121	115	111	107
70	85.9	89.8	93.4	97.6	99.1	101	102	104	103	104	102	102	99.6	98.7	96.0	94.1	89.6	86.0	82.5
75	68.2	72.1	74.3	77.2	77.7	79.0	78.3	79.4	77.8	78.1	77.2	78.0	76.5	76.1	74.4	73.8	70.6	68.2	64.4
80	38.3	41.9	42.0	42.9	41.6	41.7	39.9	39.5	37.7	38.1	37.0	38.2	38.0	39.3	38.9	39.7	38.6	38.3	34.7
85	19.2	23.1	22.7	22.7	21.1	20.5	18.5	17.9	16.2	16.5	15.9	17.2	17.6	19.2	19.5	20.7	20.5	20.7	16.7
90	1.79	7.13	7.61	7.41	7.08	7.30	9.23	7.39	6.61	5.01	5.38	5.53	6.14	6.31	6.92	7.29	7.47	6.72	1.42
95	2.39	7.75	12.5	29.2	29.4	27.5	27.6	25.2	24.2	22.0	20.6	18.0	17.0	14.8	15.8	16.5	8.58	7.66	2.48
100	4.14	41.0	66.9	66.8	67.6	67.2	68.7	66.9	67.5	65.6	66.1	63.6	62.1	58.0	57.5	56.5	59.8	18.9	4.15
105	4.90	93.4	97.0	95.5	98.0	98.7	100	100	101	100	100	98.7	96.3	90.8	91.1	89.5	91.7	89.6	4.97
110	5.24	139	140	140	143	145	144	147	151	151	151	145	144	137	140	134	135	135	5.38
115	5.08	163	144	152	112	131	99.1	132	99.4	115	77.7	106	78.1	122	96.8	142	130	160	5.22
120	4.70	8.45	7.34	7.41	7.60	7.82	7.73	7.45	6.52	5.85	6.27	7.14	7.46	7.56	7.31	7.07	6.93	8.56	4.70
125	4.59	7.75	6.28	6.56	6.73	6.70	6.54	6.07	5.66	5.34	5.52	5.90	6.34	6.50	6.52	6.30	5.97	7.69	4.63
130	4.53	6.68	5.41	5.71	5.97	5.90	5.81	5.56	5.45	5.36	5.40	5.49	5.72	5.78	5.82	5.49	5.23	6.29	4.60
135	4.53	6.00	5.08	5.34	5.64	5.63	5.66	5.47	5.42	5.37	5.40	5.47	5.58	5.52	5.51	5.16	4.92	5.48	4.64
140	4.53	5.13	4.79	5.02	5.32	5.38	5.50	5.41	5.42	5.37	5.40	5.38	5.44	5.34	5.24	4.95	4.72	4.79	4.63
145	4.54	4.78	4.72	4.90	5.20	5.27	5.42	5.37	5.43	5.37	5.40	5.37	5.38	5.24	5.16	4.81	4.67	4.61	4.65
150	4.56	4.67	4.64	4.76	5.07	5.14	5.31	5.34	5.36	5.33	5.37	5.31	5.30	5.15	5.06	4.77	4.61	4.62	4.70
155	4.62	4.69	4.63	4.77	4.99	5.12	5.26	5.24	5.33	5.33	5.35	5.26	5.27	5.13	5.04	4.76	4.61	4.64	4.74
160	4.75	4.79	4.77	4.87	4.96	5.13	5.23	5.23	5.28	5.26	5.31	5.26	5.24	4.83	4.79	4.76	4.68	4.76	4.84
165	4.80	4.88	4.91	5.03	5.00	5.13	5.18	5.20	5.27	5.24	5.30	5.22	4.85	4.83	4.79	4.83	4.78	4.82	4.91
170	4.93	5.00	5.09	5.23	5.16	5.23	5.17	5.23	5.22	5.23	4.90	4.91	4.88	4.94	4.89	4.95	4.88	4.94	4.99
175	5.34	5.34	5.32	5.35	5.32	5.33	5.31	5.34	5.24	4.96	4.92	5.00	4.93	5.01	4.95	5.14	5.22	5.31	5.35
180	5.39	5.38	5.40	5.40	5.39	5.39	5.31	5.12	5.02	5.02	5.02	5.17	5.37	5.39	5.38	5.39	5.37	5.39	5.38

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:14 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: ZG2BRG2333L00 AS-15-350TF

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.67V I:0.0666A P:14.709W PF:0.9570 Freq:49.99Hz Lamp Flux:1103.12x1 lm		
NAME: Moon 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	285	285	285	284	284	285	284	284	284	284	284	284	283	283	284	284	284		
5	283	283	283	283	284	284	285	285	286	285	285	284	284	284	283	283	283		
10	277	278	281	285	289	293	296	297	298	298	297	295	292	289	284	281	279		
15	270	273	279	286	291	295	298	300	302	301	300	298	294	290	284	278	273		
20	253	260	267	275	280	285	288	291	291	291	289	287	284	279	272	265	258		
25	240	246	253	260	265	270	273	276	276	276	274	272	268	263	257	251	244		
30	221	226	231	237	242	247	250	252	253	253	251	248	244	240	234	229	224		
35	209	214	219	225	229	234	237	240	241	240	238	236	231	227	221	216	211		
40	191	197	202	209	214	219	222	224	225	225	223	220	215	210	204	199	193		
45	179	185	191	198	203	209	212	214	215	214	212	209	205	200	193	187	181		
50	160	167	173	181	186	192	194	197	197	197	195	192	188	183	176	169	163		
55	147	154	161	168	174	179	181	184	184	184	182	180	175	170	163	156	149		
60	126	134	141	148	152	157	159	161	162	162	160	158	154	150	143	136	128		
65	111	119	125	132	136	140	143	146	147	147	144	142	138	134	128	121	114		
70	86.7	93.7	99.0	104	108	112	114	117	117	118	115	113	110	107	102	96.4	89.6		
75	68.9	75.0	79.0	83.8	86.2	89.4	91.1	92.8	92.1	93.2	92.0	91.1	88.0	86.0	81.5	77.7	71.9		
80	39.0	43.2	45.2	48.5	49.2	51.8	51.4	52.8	52.2	53.2	52.3	53.1	51.1	50.7	47.8	46.0	42.0		
85	21.2	23.7	24.5	26.1	26.2	27.2	26.3	27.2	26.6	27.4	27.1	28.2	27.5	27.8	26.3	25.7	23.3		
90	6.92	7.83	7.70	7.70	6.95	6.55	5.50	5.01	4.34	5.27	5.92	7.09	7.46	8.28	8.18	8.39	7.15		
95	7.81	8.67	9.91	10.0	11.9	12.9	14.4	14.9	16.7	17.3	20.0	21.2	23.8	27.5	27.3	8.76	7.75		
100	16.9	56.4	54.2	51.8	53.5	53.8	56.8	56.7	58.1	57.9	60.7	60.3	61.9	62.5	65.0	63.9	33.4		
105	89.8	89.0	89.2	87.3	88.1	87.7	94.0	91.1	91.2	91.0	94.2	92.6	92.0	92.2	90.5	94.0	93.5		
110	137	135	135	133	135	135	141	141	143	143	142	140	141	134	139	141	139		
115	167	163	163	164	166	163	173	171	174	171	170	166	165	170	165	166	166		
120	9.92	7.26	7.49	7.92	8.30	8.58	8.35	7.82	7.13	8.01	8.47	8.66	8.36	8.04	7.72	7.61	9.56		
125	8.71	6.19	6.63	6.85	6.92	6.76	6.31	5.72	5.55	5.86	6.47	6.87	7.02	6.97	6.83	6.46	8.78		
130	6.82	5.35	5.84	5.98	6.03	5.84	5.69	5.46	5.40	5.49	5.75	5.94	6.13	6.10	5.97	5.47	7.27		
135	5.86	5.08	5.48	5.68	5.80	5.66	5.60	5.46	5.40	5.49	5.63	5.70	5.84	5.75	5.53	5.16	6.36		
140	5.02	4.85	5.17	5.36	5.52	5.51	5.53	5.43	5.42	5.46	5.55	5.52	5.57	5.38	5.24	4.82	5.35		
145	4.78	4.77	5.12	5.25	5.43	5.39	5.46	5.39	5.42	5.40	5.49	5.40	5.43	5.25	5.08	4.76	4.95		
150	4.70	4.74	5.03	5.14	5.31	5.26	5.42	5.37	5.41	5.37	5.40	5.31	5.29	5.12	4.91	4.70	4.76		
155	4.70	4.74	5.01	5.14	5.27	5.33	5.38	5.37	5.39	5.34	5.36	5.28	5.23	5.05	4.85	4.73	4.73		
160	4.77	4.83	4.85	4.89	5.17	5.25	5.33	5.23	5.34	5.30	5.30	5.24	5.20	5.08	4.88	4.88	4.77		
165	4.85	4.90	4.85	4.89	4.91	4.99	5.31	5.26	5.30	5.25	5.28	5.20	5.19	5.11	5.00	5.02	4.85		
170	4.91	4.97	4.91	4.94	4.90	4.93	4.90	5.24	5.24	5.20	5.23	5.21	5.17	5.21	5.16	5.18	4.94		
175	5.31	5.21	5.00	5.01	4.94	4.99	4.91	4.96	5.25	5.20	5.24	5.30	5.24	5.31	5.25	5.33	5.25		
180	5.39	5.39	5.39	5.40	5.38	5.26	5.04	5.02	5.03	5.02	5.13	5.37	5.39	5.38	5.39	5.38	5.39		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:14 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: ZG2BRG2333L00 AS-15-350TF