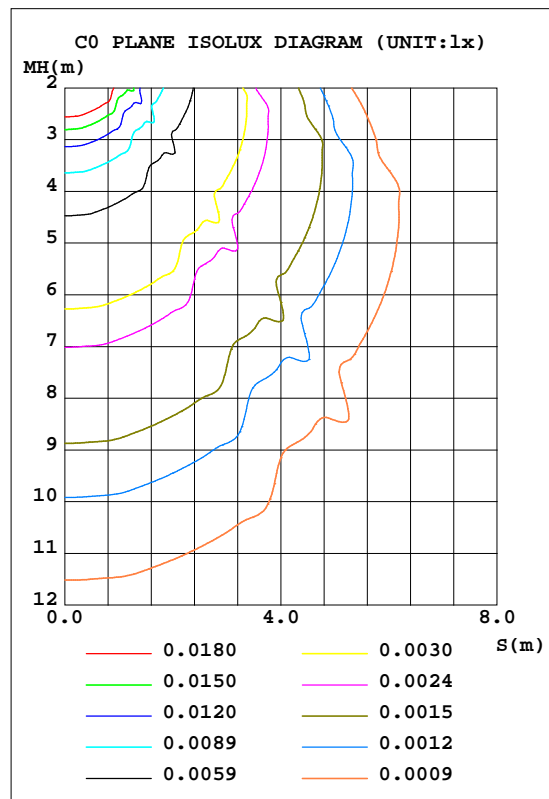
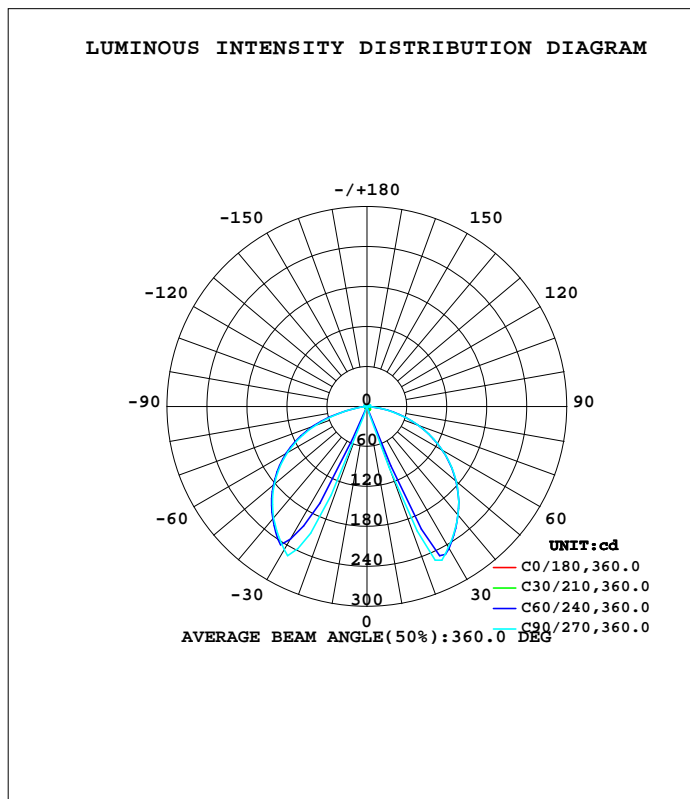


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm		
NAME: New kube 9Wcolor toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 39.84 lm/W
MODEL	1479CT9-00	I _{max} (cd)	259.8	S/MH(C0/180)	1.24	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.31	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	420.98	h UP, DN(C0-180)	1.4, 49.4	
NOMINAL FLUX(lm)	420.981	CIE CLASS	DIRECT	h UP, DN(C180-360)	1.4, 47.8	
LAMPS INSIDE	1	h up(%)	2.8	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	230.0	h down(%)	97.2	CIBSE SHR MAX	1.00	



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

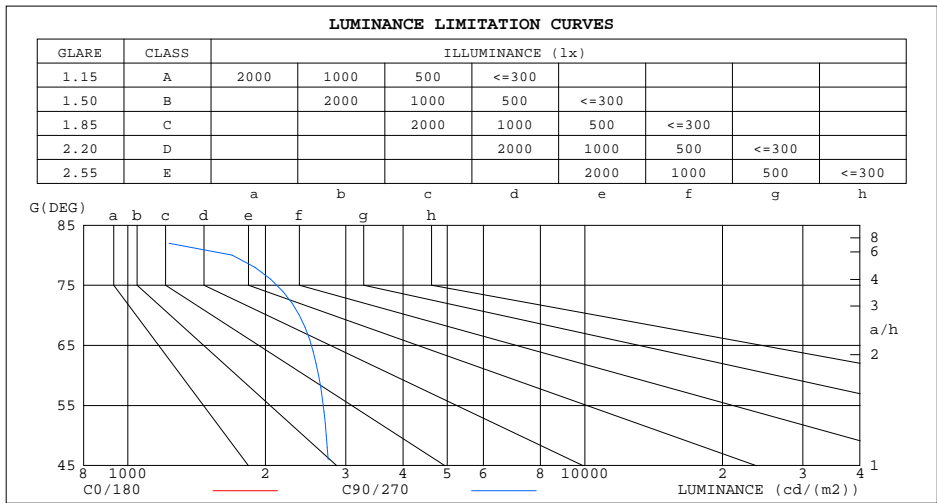
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	0.1156	0.1343	0.0591	0.1549	0.1151	0.1195	0.0295	0.1144	0- 10	0.0088	0.0088	0.00,0.00
20	0.1106	0.3217	97.29	0.7812	0.0959	0.2397	17.45	0.4462	10- 20	0.6611	0.6699	0.16,0.16
30	0.0959	188.5	244.3	216.5	0.0959	98.17	248.4	139.0	20- 30	41.43	42.10	10,10
40	0.0885	190.6	212.7	217.1	0.1033	185.9	218.1	209.4	30- 40	85.02	127.1	30.2,30.2
50	0.0885	154.3	174.8	177.6	0.1125	158.3	181.4	175.6	40- 50	91.63	218.8	52,52
60	0.0812	114.0	130.8	133.4	0.1181	122.4	137.1	134.0	50- 60	84.56	303.3	72,72
70	0.0811	69.37	81.19	82.98	0.1180	77.23	81.57	84.50	60- 70	65.23	368.5	87.5,87.5
80	0.0811	26.05	29.36	24.80	0.1032	18.46	20.20	31.29	70- 80	34.50	403.0	95.7,95.7
90	0.0958	1.121	3.209	1.804	0.0959	1.452	3.253	1.870	80- 90	6.041	409.1	97.2,97.2
100	0.1253	1.295	3.607	1.874	0.1107	1.553	3.644	1.958	90-100	2.128	411.2	97.7,97.7
110	0.1914	1.612	4.183	2.158	0.1993	1.892	4.189	2.246	100-110	2.239	413.5	98.2,98.2
120	0.3467	1.713	4.758	2.337	0.4059	2.217	4.758	2.044	110-120	2.358	415.8	98.8,98.8
130	0.6121	1.362	2.426	1.568	0.6494	1.563	2.413	1.414	120-130	1.854	417.7	99.2,99.2
140	0.8921	1.239	2.102	1.637	0.9001	1.597	2.191	1.372	130-140	1.149	418.8	99.5,99.5
150	1.069	1.191	1.822	1.665	1.129	1.608	1.874	1.272	140-150	0.9229	419.7	99.7,99.7
160	1.305	1.199	1.542	1.693	1.328	1.643	1.520	1.276	150-160	0.6614	420.4	99.9,99.9
170	1.512	1.472	1.778	1.764	1.549	1.691	1.733	1.494	160-170	0.4264	420.8	100,100
180	1.660	1.667	1.741	1.726	1.667	1.671	1.748	1.719	170-180	0.1582	421.0	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:26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

LUMINANCE LIMITATION CURVES

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm		
NAME: New kube 9Wcolor toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9	819
80	5	1691
75	3	2323
70	2	2374
65	2	2639
60	2	2616
55	2	2754
50	1	2720
45	1	2805

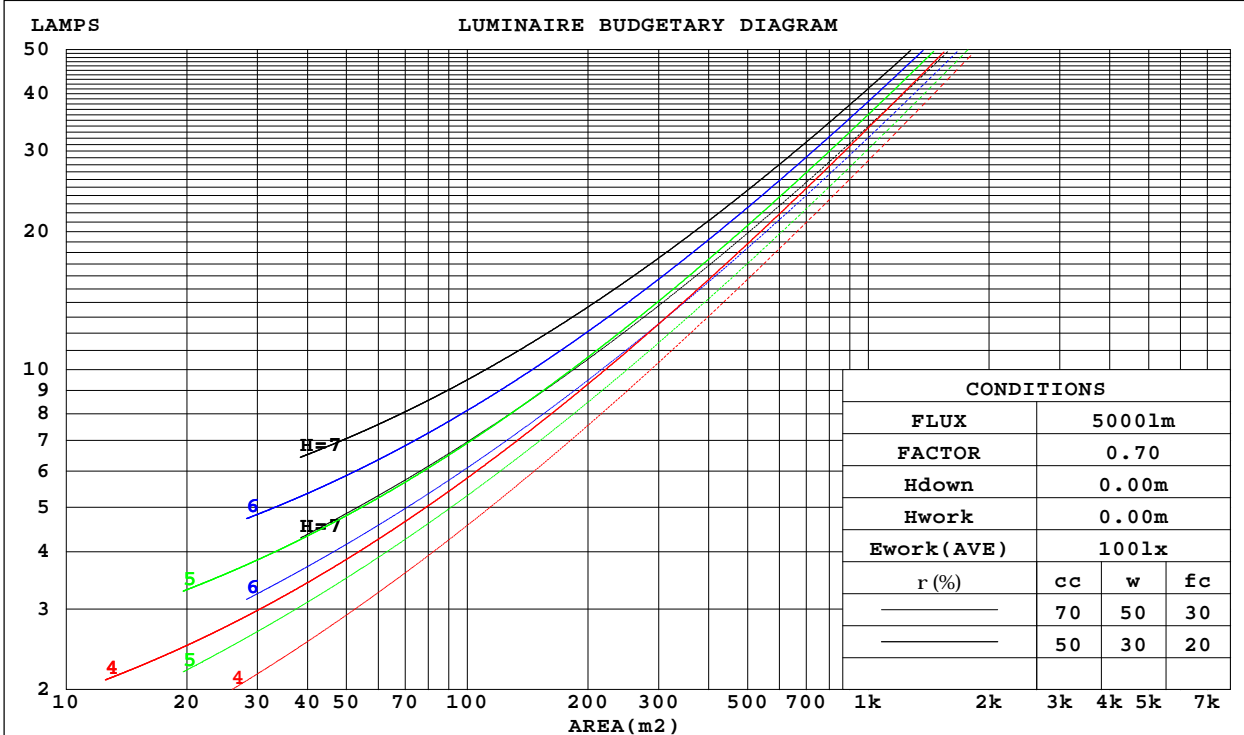
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm		
NAME: New kube 9Wcolor toning LED wall 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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.02	.97	.93	.99	.95	.91	.94	.91	.88	.90	.87	.84	.86	.84	.81	.79
2.0	.87	.79	.73	.84	.77	.71	.80	.74	.69	.77	.72	.67	.73	.69	.65	.63
3.0	.74	.65	.58	.72	.64	.57	.69	.62	.56	.66	.59	.54	.63	.57	.53	.50
4.0	.64	.54	.47	.62	.53	.46	.59	.51	.45	.57	.50	.44	.54	.48	.43	.41
5.0	.56	.46	.38	.54	.45	.38	.52	.43	.37	.49	.42	.36	.47	.41	.36	.33
6.0	.49	.39	.32	.48	.38	.31	.45	.37	.31	.43	.36	.30	.41	.35	.30	.27
7.0	.43	.33	.27	.42	.33	.26	.40	.32	.26	.38	.31	.26	.37	.30	.25	.23
8.0	.38	.29	.23	.38	.29	.22	.36	.28	.22	.34	.27	.22	.33	.26	.21	.19
9.0	.34	.25	.19	.34	.25	.19	.32	.24	.19	.31	.24	.19	.30	.23	.18	.16
10.0	.31	.22	.17	.30	.22	.16	.29	.21	.16	.28	.21	.16	.27	.20	.16	.14



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

WEC AND CCEC

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm		
NAME: New kube 9Wcolor toning LED wall 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	.338	.192	.061	.330	.188	.060	.315	.181	.058	.301	.174	.056	.288	.167	.054	
2.0	.322	.177	.054	.315	.174	.053	.302	.168	.052	.289	.162	.051	.278	.157	.050	
3.0	.299	.159	.048	.293	.157	.047	.281	.152	.046	.270	.148	.045	.259	.144	.044	
4.0	.276	.144	.042	.271	.142	.042	.260	.138	.041	.250	.134	.040	.240	.131	.040	
5.0	.255	.130	.038	.250	.128	.037	.240	.125	.037	.231	.122	.036	.223	.119	.036	
6.0	.236	.118	.034	.231	.117	.034	.223	.114	.033	.214	.111	.033	.207	.109	.032	
7.0	.219	.108	.031	.215	.107	.031	.207	.105	.030	.200	.102	.030	.193	.100	.029	
8.0	.204	.100	.028	.200	.099	.028	.193	.097	.028	.186	.094	.027	.180	.092	.027	
9.0	.191	.092	.026	.187	.091	.026	.181	.089	.025	.175	.088	.025	.169	.086	.025	
10.0	.179	.086	.024	.176	.085	.024	.170	.083	.023	.164	.082	.023	.159	.080	.023	

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	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.204	.178	.154	.175	.152	.132	.119	.105	.092	.069	.061	.053	.022	.020	.017	
2.0	.198	.154	.116	.170	.132	.100	.116	.091	.070	.067	.053	.041	.022	.017	.013	
3.0	.192	.136	.092	.165	.118	.080	.113	.082	.056	.065	.048	.033	.021	.016	.011	
4.0	.186	.124	.076	.159	.107	.066	.110	.074	.047	.063	.044	.028	.020	.014	.009	
5.0	.179	.114	.066	.154	.098	.057	.106	.069	.040	.061	.040	.024	.020	.013	.008	
6.0	.172	.106	.058	.148	.092	.051	.102	.064	.036	.059	.038	.021	.019	.012	.007	
7.0	.165	.099	.053	.142	.086	.046	.098	.060	.033	.057	.035	.019	.018	.012	.006	
8.0	.159	.094	.049	.137	.081	.042	.095	.057	.030	.055	.034	.018	.018	.011	.006	
9.0	.153	.089	.046	.131	.077	.040	.091	.054	.028	.053	.032	.017	.017	.010	.006	
10.0	.147	.085	.043	.126	.073	.038	.088	.052	.027	.051	.031	.016	.017	.010	.005	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

UGR(Unified Glare Rating) Table

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm										
NAME: New kube 9Wcolor toning LED wall 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	11.6	13.3	11.9	13.6	13.8	21.6	23.2	21.9	23.5	23.8
3H	11.4	12.9	11.7	13.2	13.5	23.1	24.6	23.5	24.9	25.2
4H	11.3	12.7	11.6	13.0	13.4	23.7	25.1	24.0	25.4	25.8
6H	11.1	12.5	11.5	12.8	13.2	24.0	25.4	24.4	25.7	26.1
8H	11.1	12.4	11.5	12.7	13.1	24.0	25.4	24.4	25.7	26.1
12H	11.0	12.3	11.4	12.6	13.0	24.0	25.3	24.4	25.6	26.0
4H 2H	16.5	17.9	16.8	18.2	18.6	21.9	23.4	22.3	23.7	24.0
3H	16.5	17.8	16.9	18.2	18.5	23.7	25.0	24.1	25.3	25.7
4H	16.4	17.6	16.9	18.0	18.4	24.4	25.6	24.9	26.0	26.4
6H	16.3	17.3	16.8	17.8	18.2	24.9	26.0	25.4	26.4	26.8
8H	16.3	17.2	16.7	17.6	18.1	25.0	25.9	25.5	26.4	26.8
12H	16.2	17.1	16.7	17.5	18.0	25.0	25.8	25.4	26.3	26.7
8H 4H	18.3	19.2	18.8	19.7	20.1	24.6	25.5	25.0	25.9	26.4
6H	18.3	19.1	18.8	19.5	20.0	25.2	26.0	25.7	26.5	26.9
8H	18.3	19.0	18.8	19.4	20.0	25.3	26.0	25.8	26.5	27.0
12H	18.2	18.8	18.8	19.3	19.9	25.3	25.9	25.8	26.4	26.9
12H 4H	18.6	19.4	19.0	19.9	20.3	24.5	25.4	25.0	25.8	26.3
6H	18.7	19.4	19.3	19.9	20.4	25.2	25.9	25.7	26.4	26.9
8H	18.8	19.3	19.3	19.8	20.4	25.3	25.9	25.9	26.4	27.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.2 / - 0.2				
1.5H	+ 1.2 / - 1.3					+ 0.2 / - 0.3				
2.0H	+ 2.4 / - 2.6					+ 0.2 / - 0.3				

CIE Pub.117, 421.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.0)

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

UTILIZATION FACTORS TABLE

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm		
NAME: New kube 9Wcolor toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

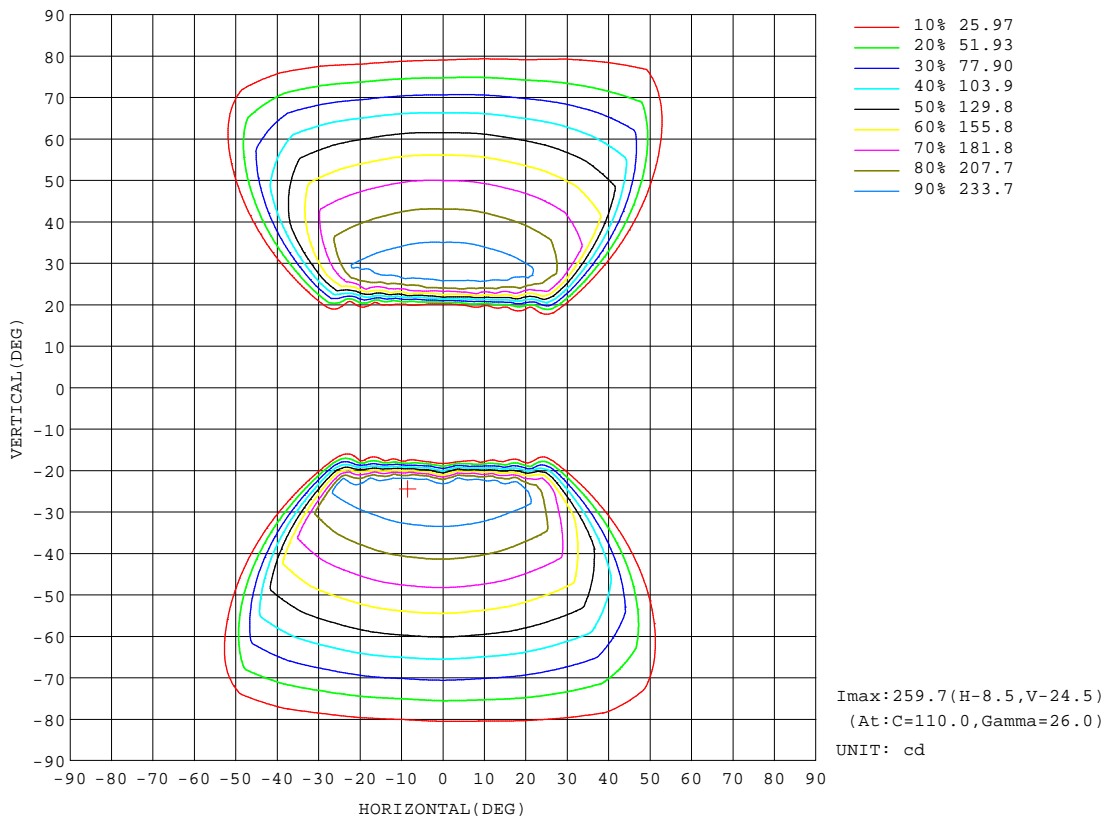
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	49	35	28	48	35	28	46	35	27	20
0.80	59	46	38	58	46	38	56	45	37	29
1.00	69	56	48	68	56	48	65	57	47	39
1.25	77	65	57	75	64	56	72	62	55	47
1.50	83	71	63	81	70	63	77	68	61	53
2.00	91	81	74	89	80	73	85	77	71	62
2.50	95	86	80	93	85	79	89	82	76	67
3.00	99	91	85	97	90	84	92	86	81	72
4.00	104	97	92	101	95	90	96	91	87	77
5.00	106	101	96	104	99	95	99	95	91	81
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:26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

ISOCANDELA DIAGRAM

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm		
NAME: New kube 9Wcolor toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



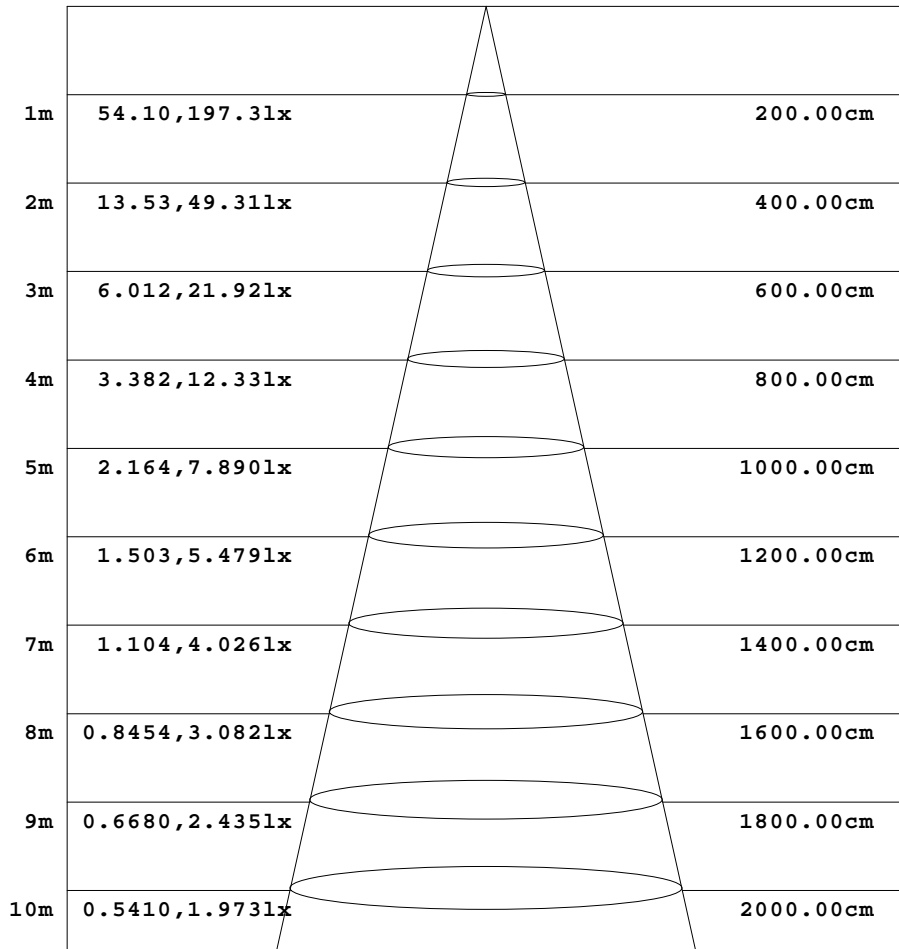
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
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Range: 0 - 180DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.403
 Humidity:65.0%
 Test Distance:10.365m [K=1.0000]
 Remarks: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

AAI Figure

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm		
NAME: New kube 9Wcolor toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Flux out:182.3 lm



Height Eavg, Emax Angle:90.00deg Diameter

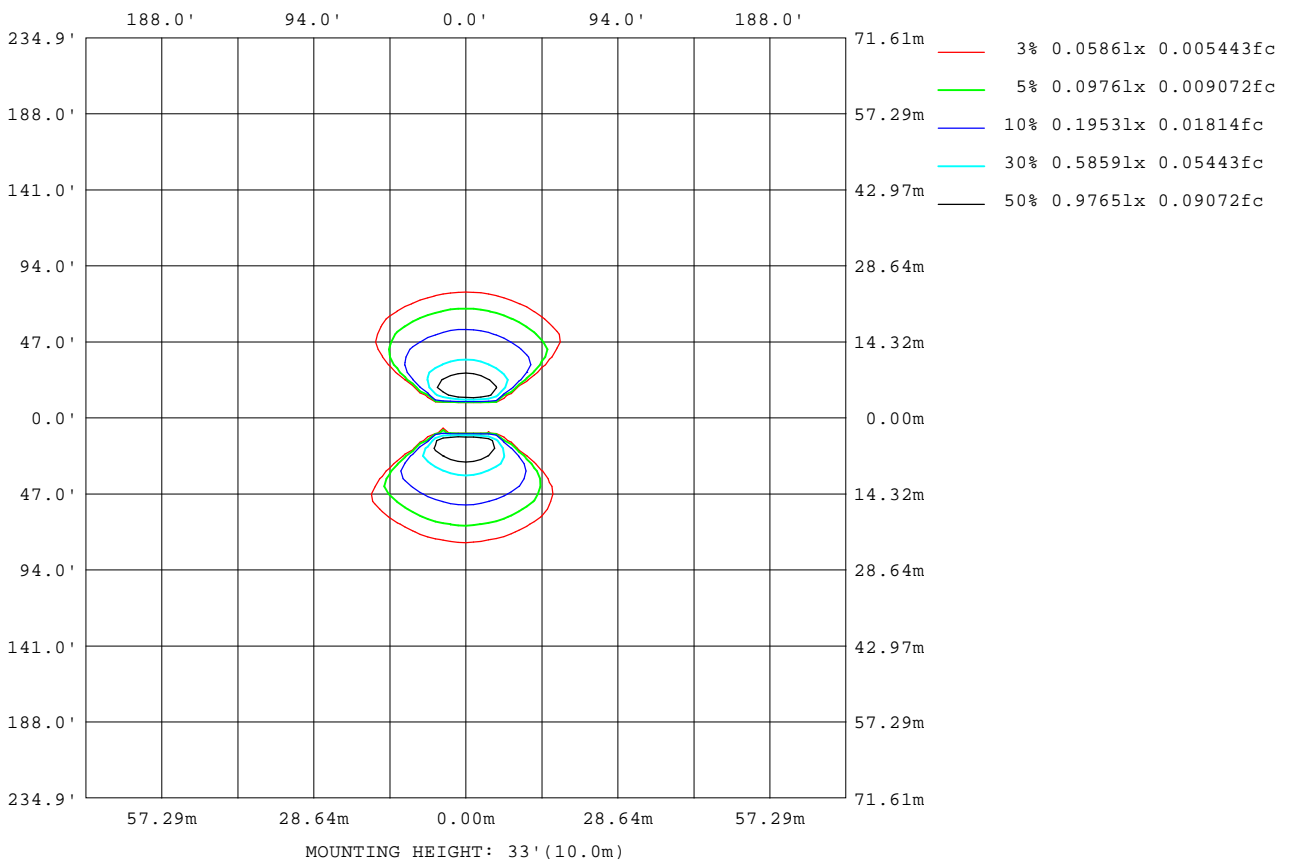
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

ISOLUX DIAGRAM

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm		
NAME: New kube 9Wcolor toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
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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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

LED Avg.L Report

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm		
NAME: New kube 9Wcolor toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

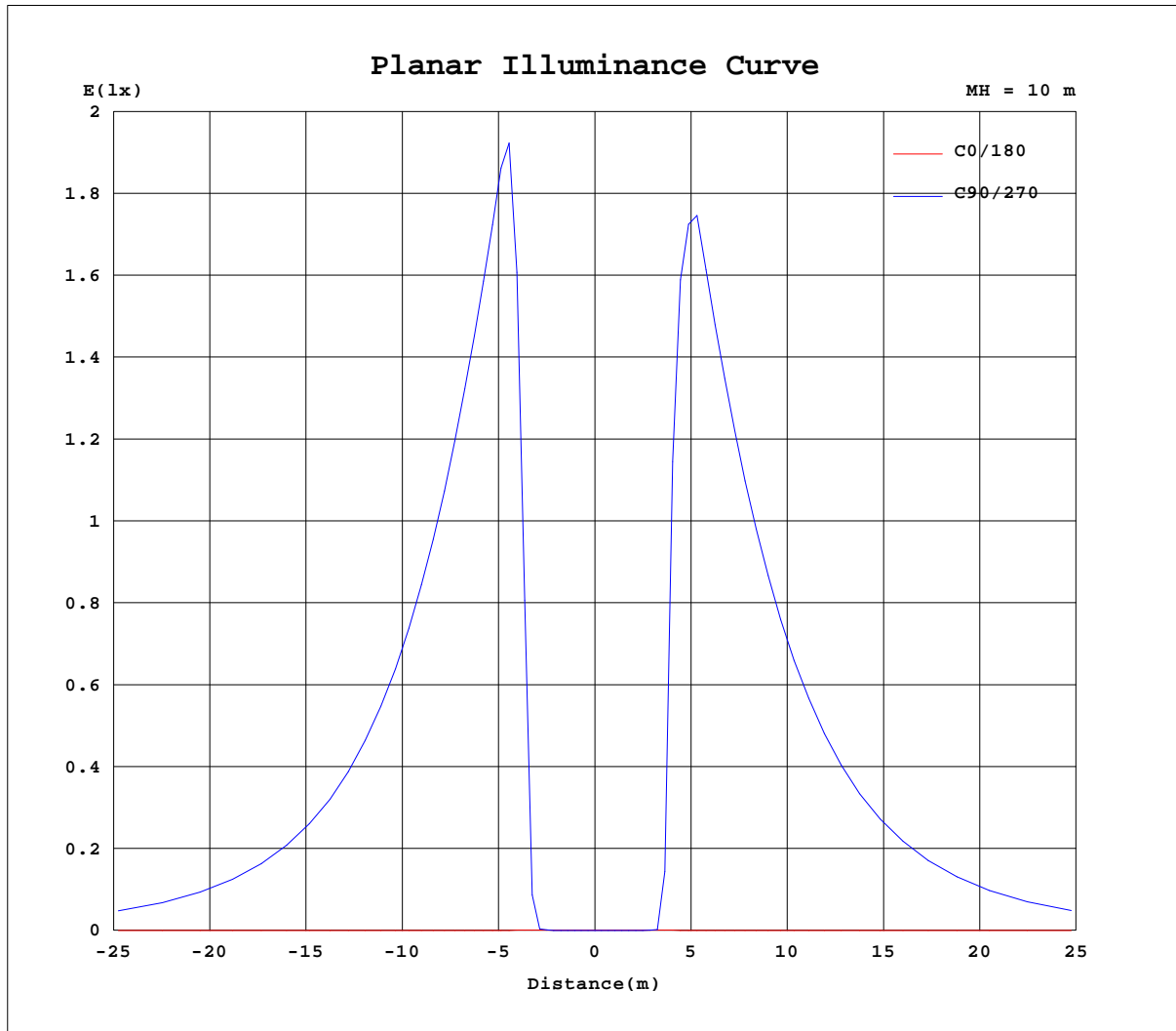
AvgL	cd/m2
L_0~180(65)av	2
L_0~180(75)av	4
L_0~180(85)av	10
L_90~270(65)av	2574
L_90~270(75)av	2027
L_90~270(85)av	472
L_45(65)av	2580
L_45(75)av	2111
L_45(85)av	621

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LQL
 Test Date: 26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm		
NAME: New kube 9Wcolor toning LED wall 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	0.12	0.11	0.12	0.14	0.13	0.10	0.05	0.03	0.02	0.03	0.03	0.03	0.05	0.12	0.13	0.15	0.13	0.13	0.12
5	0.12	0.11	0.12	0.14	0.13	0.09	0.06	0.03	0.02	0.03	0.03	0.04	0.05	0.12	0.13	0.15	0.13	0.13	0.12
10	0.12	0.11	0.14	0.14	0.15	0.12	0.04	0.06	0.02	0.06	0.03	0.07	0.05	0.16	0.15	0.17	0.15	0.13	0.12
15	0.11	0.12	0.15	0.15	0.18	0.13	0.10	0.18	0.12	0.18	0.18	0.26	0.21	0.24	0.16	0.18	0.17	0.13	0.11
20	0.11	0.11	0.18	0.18	0.21	0.43	2.44	68.2	136	97.3	122	82.1	8.39	1.00	0.57	0.26	0.20	0.12	0.10
25	0.10	0.11	0.20	0.28	0.67	53.9	201	253	257	252	259	258	218	86.4	1.44	0.67	0.22	0.13	0.10
30	0.10	0.12	0.22	1.29	135	242	247	245	244	244	245	247	249	251	182	2.18	0.52	0.18	0.10
35	0.09	0.15	0.49	3.96	190	236	233	233	232	232	233	234	235	239	241	3.86	1.00	0.26	0.10
40	0.09	0.20	1.52	7.07	167	214	213	213	212	213	213	214	215	217	217	4.43	1.91	0.45	0.10
45	0.09	0.24	2.37	6.98	153	200	198	198	198	198	198	200	201	202	201	4.34	2.43	0.62	0.11
50	0.09	0.38	3.07	5.98	133	176	175	175	174	175	175	176	177	179	177	3.92	2.86	0.91	0.11
55	0.09	0.51	3.11	5.12	119	159	157	158	157	158	158	159	160	162	160	3.64	2.95	1.10	0.12
60	0.08	0.56	2.67	3.94	97.7	130	130	131	130	131	131	132	132	135	132	3.21	2.85	1.25	0.12
65	0.08	0.49	2.31	3.27	82.5	111	111	111	111	112	111	113	113	115	113	2.91	2.66	1.18	0.12
70	0.08	0.46	1.78	2.35	58.7	80.1	80.8	81.3	80.4	81.2	80.6	81.9	81.8	83.7	82.2	2.42	2.27	1.01	0.12
75	0.08	0.37	1.47	1.86	43.1	59.4	60.5	60.8	59.8	60.1	59.0	59.9	59.6	61.2	60.2	2.08	1.97	0.86	0.12
80	0.08	0.28	1.10	1.29	21.7	30.4	31.4	31.5	29.8	29.4	27.4	27.4	26.4	26.6	23.0	1.60	1.55	0.66	0.10
85	0.08	0.27	0.90	1.05	8.72	10.8	9.43	8.35	6.70	7.14	6.36	7.20	6.81	6.37	3.87	1.36	1.29	0.56	0.09
90	0.10	0.25	0.72	0.85	0.91	1.33	3.50	3.36	3.21	3.21	3.25	3.34	3.47	2.56	1.05	1.06	1.00	0.45	0.10
95	0.10	0.24	0.66	0.83	0.91	1.42	3.49	3.45	3.29	3.36	3.33	3.45	3.49	2.59	1.03	0.97	0.86	0.36	0.10
100	0.13	0.24	0.56	0.82	0.94	1.65	3.63	3.64	3.55	3.61	3.61	3.66	3.54	2.71	1.03	0.92	0.71	0.36	0.11
105	0.15	0.27	0.55	0.83	0.97	1.83	3.67	3.80	3.76	3.82	3.78	3.81	3.65	2.85	1.05	0.91	0.66	0.36	0.13
110	0.19	0.32	0.55	0.86	1.07	2.15	3.78	4.04	4.09	4.18	4.12	4.07	3.84	3.11	1.20	0.97	0.68	0.42	0.20
115	0.22	0.38	0.58	0.90	1.17	2.38	3.89	4.21	4.34	4.43	4.36	4.27	3.99	3.29	1.28	1.01	0.69	0.47	0.27
120	0.35	0.48	0.66	0.95	1.18	2.25	3.91	4.35	4.59	4.76	4.65	4.46	4.13	3.38	1.30	1.10	0.77	0.56	0.41
125	0.46	0.58	0.69	0.98	1.18	1.97	2.57	4.23	4.60	4.76	4.71	4.42	3.71	2.71	1.39	1.18	0.83	0.63	0.50
130	0.61	0.72	0.78	1.00	1.18	1.55	1.70	1.90	2.25	2.43	2.41	2.12	1.91	1.71	1.42	1.28	0.94	0.77	0.65
135	0.75	0.80	0.82	1.01	1.17	1.40	1.66	1.85	2.12	2.21	2.27	2.02	1.90	1.74	1.50	1.35	1.02	0.86	0.75
140	0.89	0.91	0.91	1.03	1.17	1.31	1.60	1.77	2.01	2.10	2.17	1.98	1.89	1.74	1.53	1.41	1.15	1.00	0.90
145	0.95	1.00	0.94	1.07	1.16	1.29	1.53	1.72	1.92	1.98	2.07	1.91	1.85	1.72	1.55	1.47	1.18	1.08	0.99
150	1.07	1.09	1.05	1.11	1.15	1.23	1.41	1.54	1.78	1.82	1.90	1.78	1.77	1.71	1.62	1.52	1.30	1.20	1.13
155	1.19	1.17	1.06	1.14	1.16	1.21	1.32	1.41	1.65	1.70	1.77	1.69	1.70	1.72	1.63	1.54	1.34	1.28	1.22
160	1.31	1.28	1.22	1.25	1.18	1.22	1.26	1.35	1.47	1.54	1.62	1.65	1.66	1.74	1.64	1.60	1.41	1.37	1.33
165	1.39	1.38	1.30	1.37	1.30	1.31	1.29	1.42	1.45	1.62	1.64	1.70	1.73	1.77	1.66	1.62	1.47	1.44	1.42
170	1.51	1.54	1.48	1.53	1.45	1.49	1.50	1.65	1.72	1.78	1.78	1.75	1.78	1.78	1.75	1.66	1.53	1.56	1.55
175	1.60	1.62	1.56	1.60	1.53	1.60	1.62	1.73	1.73	1.75	1.77	1.76	1.79	1.79	1.73	1.67	1.63	1.63	1.62
180	1.66	1.67	1.67	1.66	1.66	1.67	1.72	1.75	1.73	1.74	1.75	1.78	1.77	1.75	1.70	1.69	1.67	1.67	1.67

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.52V I:0.0479A P:10.567W PF:0.9561 Freq:49.99Hz Lamp Flux:420.98lx1 lm		
NAME: New kube 9Wcolor toning LED wall 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	0.11	0.12	0.14	0.13	0.10	0.05	0.03	0.02	0.03	0.03	0.03	0.05	0.12	0.13	0.15	0.13	0.13		
5	0.11	0.12	0.14	0.13	0.10	0.06	0.02	0.03	0.03	0.04	0.02	0.05	0.10	0.13	0.15	0.13	0.13		
10	0.11	0.12	0.14	0.13	0.11	0.07	0.02	0.05	0.03	0.07	0.02	0.07	0.09	0.14	0.13	0.13	0.13		
15	0.12	0.12	0.13	0.14	0.11	0.10	0.02	0.07	0.04	0.12	0.10	0.14	0.10	0.16	0.16	0.13	0.12		
20	0.11	0.13	0.18	0.21	0.27	0.53	0.77	4.09	17.4	7.80	1.35	0.80	0.52	0.37	0.19	0.15	0.14		
25	0.10	0.13	0.21	0.50	0.95	53.5	166	202	208	208	189	99.2	2.25	0.87	0.35	0.21	0.15		
30	0.11	0.19	0.71	7.12	189	230	250	249	248	249	249	244	207	70.8	1.05	0.42	0.18		
35	0.11	0.33	1.83	135	231	240	238	238	237	237	237	238	238	189	1.73	0.69	0.19		
40	0.11	0.85	3.72	150	221	220	219	219	218	219	218	219	219	200	2.58	1.29	0.25		
45	0.11	1.36	4.20	145	207	206	205	205	204	205	204	205	204	189	2.85	1.74	0.37		
50	0.22	2.10	4.18	133	184	183	182	183	181	182	181	182	181	170	2.94	2.25	0.60		
55	0.35	2.36	3.84	123	167	167	166	166	165	165	164	165	164	155	2.80	2.27	0.80		
60	0.45	2.29	3.23	105	140	140	138	138	137	138	137	138	137	131	2.50	2.21	0.94		
65	0.52	2.12	2.84	91.6	120	120	118	118	117	117	117	118	118	113	2.30	2.06	0.93		
70	0.54	1.84	2.32	68.1	86.4	85.6	82.1	82.0	81.6	83.2	83.4	85.4	85.6	83.4	2.02	1.84	0.92		
75	0.53	1.61	2.01	48.3	59.9	59.0	56.2	56.5	56.4	58.2	58.8	62.0	62.8	62.5	1.79	1.62	0.86		
80	0.44	1.26	1.58	16.5	20.5	20.8	18.1	19.1	20.2	22.8	24.4	28.7	30.7	31.9	1.43	1.28	0.67		
85	0.38	1.05	1.38	2.34	2.19	3.84	3.56	3.76	4.81	6.86	9.54	13.4	14.6	15.2	1.22	1.05	0.56		
90	0.32	0.84	1.16	1.16	1.75	3.66	3.53	3.40	3.25	3.37	3.43	3.50	2.72	1.02	1.05	0.83	0.45		
95	0.30	0.77	1.08	1.14	1.76	3.68	3.63	3.52	3.40	3.50	3.47	3.55	2.74	1.03	1.00	0.78	0.41		
100	0.29	0.67	0.98	1.13	1.98	3.75	3.76	3.76	3.64	3.72	3.64	3.65	2.82	1.10	0.94	0.69	0.36		
105	0.30	0.65	0.97	1.17	2.17	3.84	3.91	3.95	3.82	3.90	3.76	3.73	2.97	1.17	0.95	0.67	0.36		
110	0.32	0.62	0.94	1.26	2.52	4.04	4.20	4.32	4.19	4.21	4.00	3.89	3.20	1.29	0.95	0.64	0.36		
115	0.36	0.69	0.96	1.32	2.80	4.16	4.37	4.57	4.46	4.46	4.18	3.93	3.33	1.29	0.95	0.69	0.36		
120	0.46	0.79	0.99	1.34	3.09	4.24	4.58	4.78	4.76	4.53	4.35	3.99	2.81	1.28	0.96	0.77	0.47		
125	0.57	0.86	1.05	1.39	1.72	3.72	4.56	4.73	4.80	4.58	4.20	2.30	1.64	1.27	1.00	0.82	0.57		
130	0.70	0.97	1.17	1.48	1.64	1.87	2.15	2.29	2.41	2.23	2.08	1.78	1.56	1.26	1.04	0.87	0.69		
135	0.78	1.04	1.24	1.53	1.64	1.85	2.10	2.24	2.30	2.14	2.04	1.77	1.56	1.27	1.04	0.92	0.80		
140	0.91	1.14	1.31	1.56	1.64	1.81	2.04	2.11	2.19	2.02	1.93	1.68	1.51	1.23	1.05	1.01	0.92		
145	0.97	1.20	1.37	1.57	1.63	1.77	1.96	2.01	2.07	1.92	1.84	1.62	1.45	1.21	1.05	1.06	0.96		
150	1.14	1.30	1.41	1.59	1.63	1.65	1.80	1.79	1.87	1.75	1.67	1.43	1.36	1.19	1.08	1.14	1.08		
155	1.25	1.36	1.44	1.61	1.62	1.62	1.69	1.65	1.71	1.59	1.52	1.32	1.30	1.20	1.16	1.20	1.18		
160	1.31	1.46	1.52	1.65	1.63	1.64	1.59	1.55	1.52	1.45	1.39	1.31	1.27	1.28	1.25	1.30	1.28		
165	1.41	1.50	1.53	1.66	1.64	1.71	1.63	1.63	1.53	1.48	1.39	1.36	1.29	1.37	1.31	1.41	1.39		
170	1.53	1.59	1.55	1.66	1.72	1.72	1.73	1.76	1.73	1.76	1.61	1.58	1.47	1.52	1.45	1.54	1.52		
175	1.56	1.62	1.59	1.67	1.71	1.73	1.75	1.75	1.77	1.76	1.73	1.70	1.56	1.61	1.53	1.62	1.56		
180	1.65	1.67	1.67	1.67	1.67	1.71	1.74	1.74	1.75	1.74	1.76	1.78	1.74	1.70	1.66	1.67	1.67		

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LQL
 Test Date:26 October 2021

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: Zigen ZG2BRF2300L00 G5LT10W250LR-Z