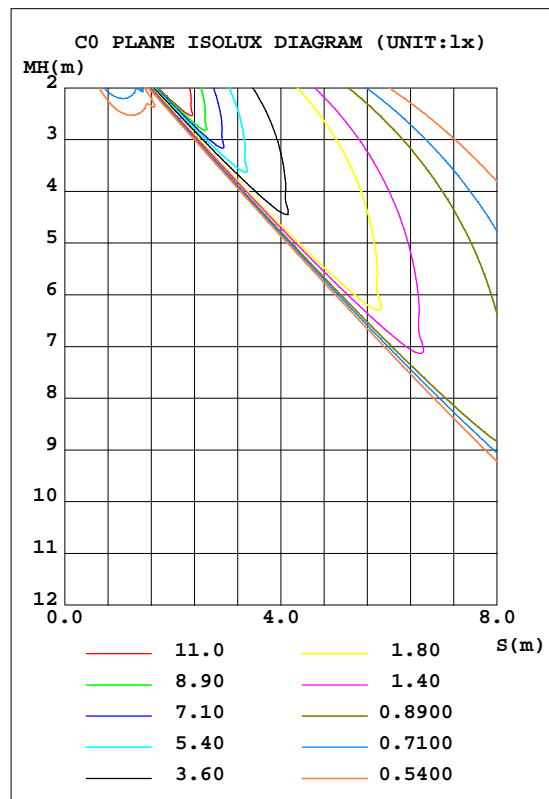
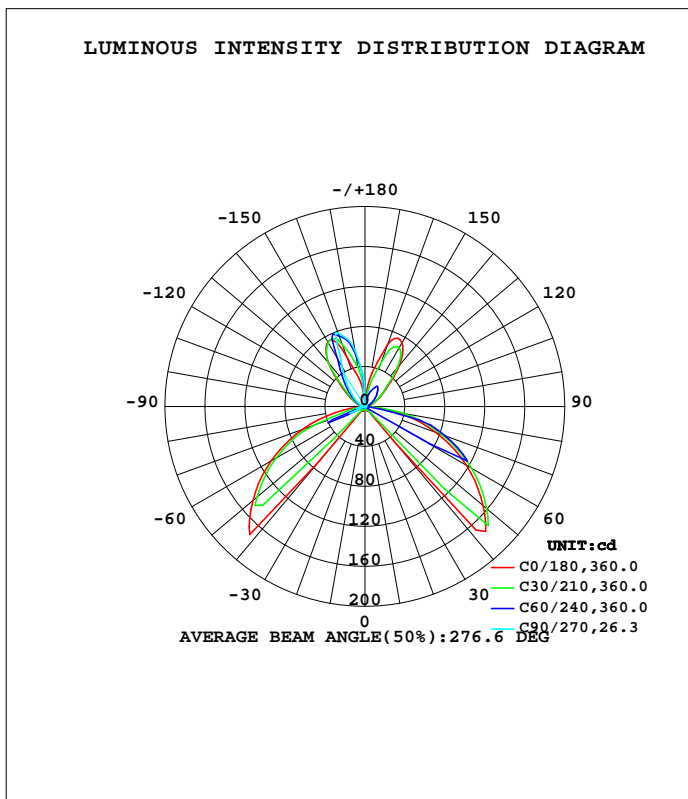


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm		
NAME: Scoop LED 7.5W wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 31.13 lm/W
MODEL	1583B-TB	I <sub>max</sub> (cd)	176.1	S/MH(C0/180)	1.51	
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.78	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	317.03	h UP, DN(C0-180)	13.9, 37.3	
NOMINAL FLUX(lm)	317.029	CIE CLASS	SEMI-D.	h UP, DN(C180-360)	22.4, 26.5	
LAMPS INSIDE	1	h up(%)	36.2	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	230	h down(%)	63.8	CIBSE SHR MAX	1.00	



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:10 December 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 BGE30KHO HEP LIC9W500 UNI

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

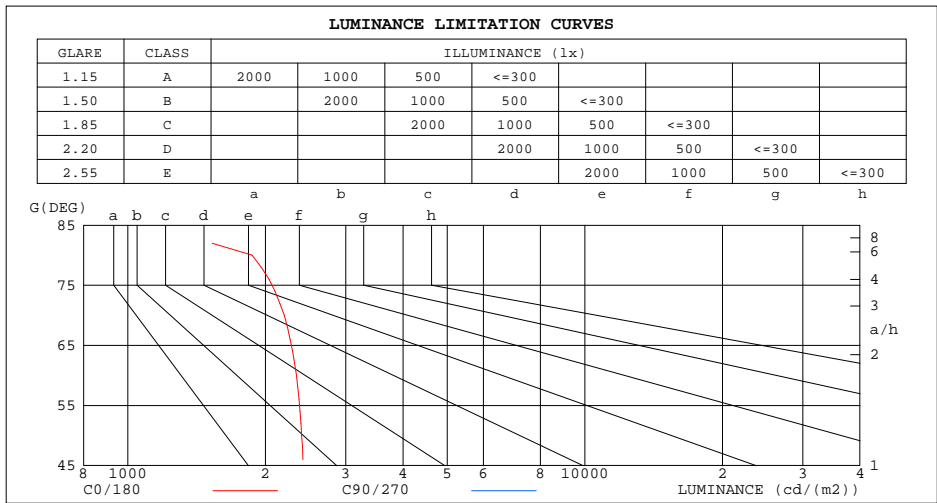
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	0.9515	1.003	0.9957	1.059	1.226	0.9629	0.9149	0.9111	0- 10	0.0933	0.0933	0.03,0.03
20	3.411	1.582	0.8630	1.663	3.684	1.826	0.6788	1.140	10- 20	0.3839	0.4772	0.15,0.15
30	5.038	2.781	0.7966	2.548	5.112	2.958	0.4796	2.102	20- 30	1.099	1.576	0.50,0.50
40	49.14	3.076	0.7006	2.803	73.27	3.253	0.4057	2.567	30- 40	2.222	3.798	1.2,1.2
50	154.4	81.81	0.5827	51.82	146.6	56.15	0.3394	2.856	40- 50	39.44	43.23	13.6,13.6
60	117.0	124.2	0.4497	120.1	108.0	93.45	0.3834	61.36	50- 60	63.69	106.9	33.7,33.7
70	75.22	83.78	0.3391	80.18	65.61	31.29	2.479	28.82	60- 70	57.96	164.9	52,52
80	32.49	30.05	0.2360	28.75	22.92	2.990	6.325	2.685	70- 80	31.68	196.6	62,62
90	1.129	2.355	0.2139	2.131	1.175	1.664	1.977	1.819	80- 90	5.548	202.1	63.8,63.8
100	3.596	2.260	0.2361	1.921	3.877	3.036	2.780	3.006	90-100	1.994	204.1	64.4,64.4
110	8.034	6.092	0.3911	5.229	8.401	6.780	5.256	6.710	100-110	4.327	208.4	65.7,65.7
120	15.15	12.03	0.6494	10.19	15.92	12.69	9.150	12.48	110-120	8.169	216.6	68.3,68.3
130	27.85	21.38	1.063	17.36	29.80	22.61	15.67	22.14	120-130	13.34	229.9	72.5,72.5
140	53.52	38.82	1.779	27.36	56.82	39.99	27.03	38.65	130-140	20.82	250.8	79.1,79.1
150	73.94	60.90	2.863	42.17	74.84	73.55	45.63	72.56	140-150	28.30	279.1	88,88
160	66.01	29.85	3.466	18.09	51.31	72.52	78.33	73.19	150-160	24.98	304.1	95.9,95.9
170	28.38	8.843	2.639	9.658	23.47	45.28	56.44	43.62	160-170	11.06	315.1	99.4,99.4
180	1.424	6.694	13.49	13.76	1.424	6.989	13.84	14.07	170-180	1.921	317.0	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:10 December 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 BGE30KHO HEP LIC9W500 UNI

LUMINANCE LIMITATION CURVES

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm		
NAME: Scoop LED 7.5W wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	860	28
80	1871	14
75	2235	10
70	2199	10
65	2382	9
60	2339	9
55	2441	10
50	2402	9
45	2458	9

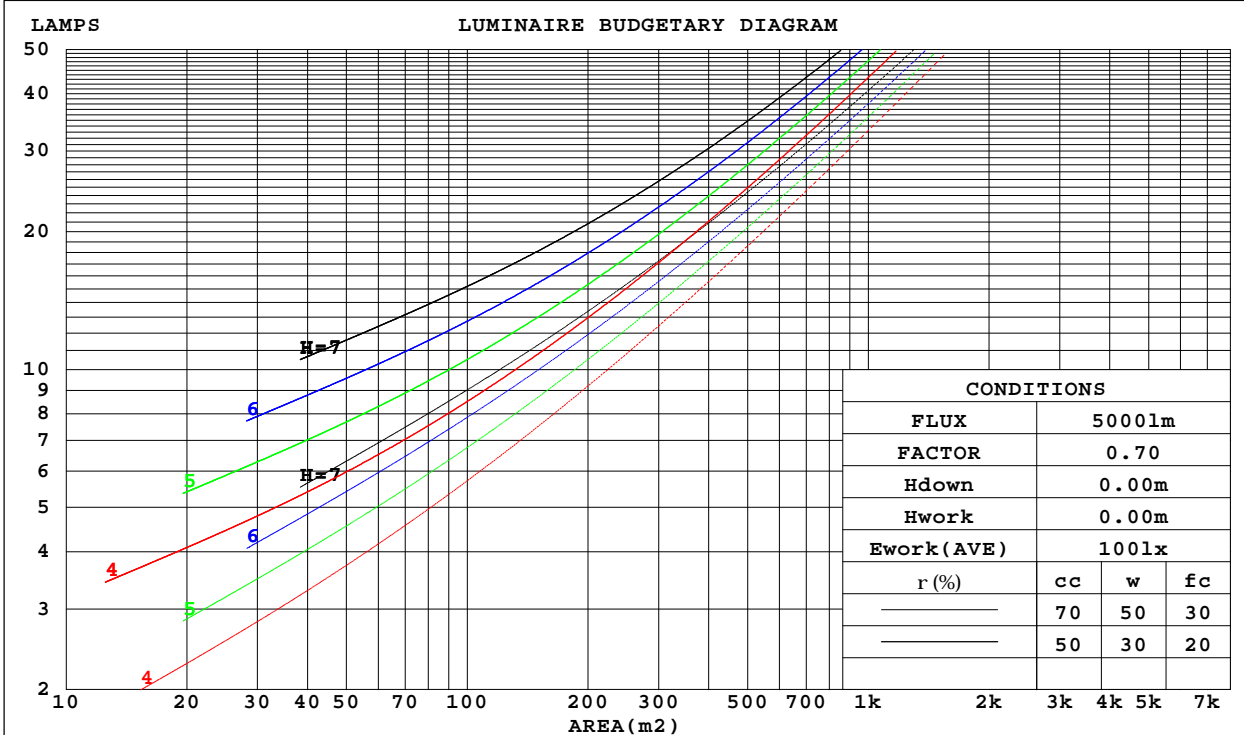
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:10 December 2021

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 BGE30KHO HEP LIC9W500 UNI

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm		
NAME: Scoop LED 7.5W wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.10	1.10	1.10	1.04	1.04	1.04	.91	.91	.91	.79	.79	.79	.69	.69	.69	.64
1.0	.92	.87	.82	.86	.82	.78	.75	.72	.68	.65	.63	.60	.56	.54	.52	.47
2.0	.76	.68	.61	.71	.64	.58	.62	.56	.51	.53	.48	.44	.45	.41	.38	.34
3.0	.64	.54	.46	.59	.51	.44	.51	.44	.38	.43	.38	.33	.36	.32	.28	.24
4.0	.54	.44	.36	.50	.41	.34	.43	.35	.29	.36	.30	.25	.30	.25	.21	.17
5.0	.46	.36	.28	.43	.34	.27	.36	.29	.23	.31	.24	.19	.25	.20	.16	.13
6.0	.40	.30	.23	.37	.28	.21	.32	.24	.18	.26	.20	.15	.21	.16	.12	.09
7.0	.35	.25	.19	.33	.24	.17	.28	.20	.15	.23	.17	.12	.19	.14	.10	.07
8.0	.31	.22	.15	.29	.20	.14	.24	.17	.12	.20	.14	.10	.17	.11	.08	.05
9.0	.28	.19	.13	.26	.18	.12	.22	.15	.10	.18	.12	.08	.15	.10	.06	.04
10.0	.25	.17	.11	.23	.15	.10	.20	.13	.08	.17	.11	.07	.13	.09	.05	.03



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:10 December 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 BGE30KHO HEP LIC9W500 UNI

WEC AND CCEC

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm		
NAME: Scoop LED 7.5W 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	.369	.210	.067	.351	.200	.064	.317	.182	.058	.286	.165	.053	.257	.149	.048	
2.0	.344	.189	.058	.328	.180	.056	.296	.165	.051	.268	.150	.047	.241	.136	.043	
3.0	.314	.167	.050	.299	.160	.048	.270	.146	.045	.244	.134	.041	.219	.121	.038	
4.0	.285	.148	.044	.272	.142	.042	.245	.130	.039	.221	.119	.036	.198	.108	.033	
5.0	.260	.133	.038	.247	.127	.037	.223	.116	.034	.201	.106	.032	.180	.096	.029	
6.0	.238	.119	.034	.226	.114	.033	.204	.105	.030	.183	.095	.028	.164	.086	.026	
7.0	.219	.108	.031	.208	.104	.030	.187	.095	.027	.168	.086	.025	.150	.078	.023	
8.0	.202	.099	.028	.192	.094	.027	.173	.086	.025	.155	.079	.023	.138	.071	.021	
9.0	.187	.090	.025	.178	.087	.024	.160	.079	.022	.144	.072	.021	.128	.065	.019	
10.0	.174	.084	.023	.166	.080	.022	.149	.073	.021	.134	.066	.019	.119	.060	.017	

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	.467	.467	.467	.399	.399	.399	.272	.272	.272	.156	.156	.156	.050	.050	.050	
1.0	.463	.434	.408	.396	.373	.351	.271	.256	.243	.156	.148	.141	.050	.048	.046	
2.0	.460	.412	.372	.394	.355	.322	.270	.245	.224	.156	.143	.131	.050	.046	.043	
3.0	.455	.396	.350	.390	.342	.303	.268	.238	.213	.155	.139	.125	.050	.045	.041	
4.0	.449	.385	.336	.385	.333	.292	.265	.232	.206	.153	.136	.122	.049	.044	.040	
5.0	.442	.376	.327	.380	.325	.284	.262	.227	.201	.152	.133	.119	.049	.044	.039	
6.0	.435	.369	.321	.374	.319	.279	.258	.223	.198	.150	.131	.117	.048	.043	.039	
7.0	.428	.362	.316	.369	.314	.275	.255	.220	.195	.148	.130	.116	.048	.042	.038	
8.0	.422	.357	.313	.363	.310	.273	.251	.218	.193	.146	.128	.115	.047	.042	.038	
9.0	.415	.353	.310	.358	.306	.271	.248	.215	.192	.144	.127	.115	.047	.042	.038	
10.0	.409	.349	.308	.353	.303	.269	.245	.213	.191	.143	.126	.114	.046	.041	.038	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:10 December 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 BGE30KHO HEP LIC9W500 UNI

UGR(Unified Glare Rating) Table

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm										
NAME: Scoop LED 7.5W 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	22.1	23.4	22.8	24.1	25.1	14.2	15.5	14.9	16.2	17.2
3H	23.7	24.9	24.5	25.7	26.7	14.0	15.1	14.7	15.9	16.9
4H	24.4	25.5	25.1	26.3	27.3	14.0	15.1	14.8	15.9	16.9
6H	24.8	25.9	25.6	26.7	27.7	13.9	14.9	14.6	15.7	16.7
8H	24.9	25.9	25.7	26.8	27.8	13.8	14.8	14.6	15.6	16.6
12H	24.9	25.8	25.7	26.7	27.7	13.7	14.7	14.5	15.5	16.5
4H 2H	22.6	23.7	23.4	24.5	25.5	19.1	20.3	19.9	21.1	22.1
3H	24.5	25.5	25.3	26.3	27.3	20.6	21.6	21.4	22.4	23.5
4H	25.3	26.1	26.1	27.0	28.0	21.2	22.0	22.0	22.9	23.9
6H	25.9	26.7	26.7	27.5	28.6	21.1	21.9	21.9	22.7	23.8
8H	26.0	26.7	26.9	27.6	28.7	21.0	21.7	21.9	22.6	23.7
12H	26.0	26.6	26.8	27.5	28.6	20.9	21.6	21.8	22.5	23.6
8H 4H	25.5	26.2	26.4	27.1	28.2	22.4	23.1	23.2	23.9	25.0
6H	26.3	26.9	27.2	27.8	28.9	22.4	23.0	23.3	23.9	25.0
8H	26.5	27.0	27.4	27.9	29.1	22.3	22.8	23.2	23.7	24.9
12H	26.5	26.9	27.4	27.8	29.0	22.2	22.7	23.1	23.6	24.7
12H 4H	25.5	26.1	26.3	27.0	28.1	22.4	23.1	23.3	24.0	25.1
6H	26.3	26.8	27.2	27.7	28.8	22.5	23.0	23.4	23.9	25.1
8H	26.5	26.9	27.4	27.8	29.0	22.5	22.9	23.4	23.8	25.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.6 / - 0.3				
1.5H	+ 0.3 / - 0.6					+ 1.1 / - 1.6				
2.0H	+ 0.2 / - 0.5					+ 2.1 / - 1.3				

CIE Pub.117, 317.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.0)

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:10 December 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 BGE30KHO HEP LIC9W500 UNI

UTILIZATION FACTORS TABLE

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm		
NAME: Scoop LED 7.5W wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

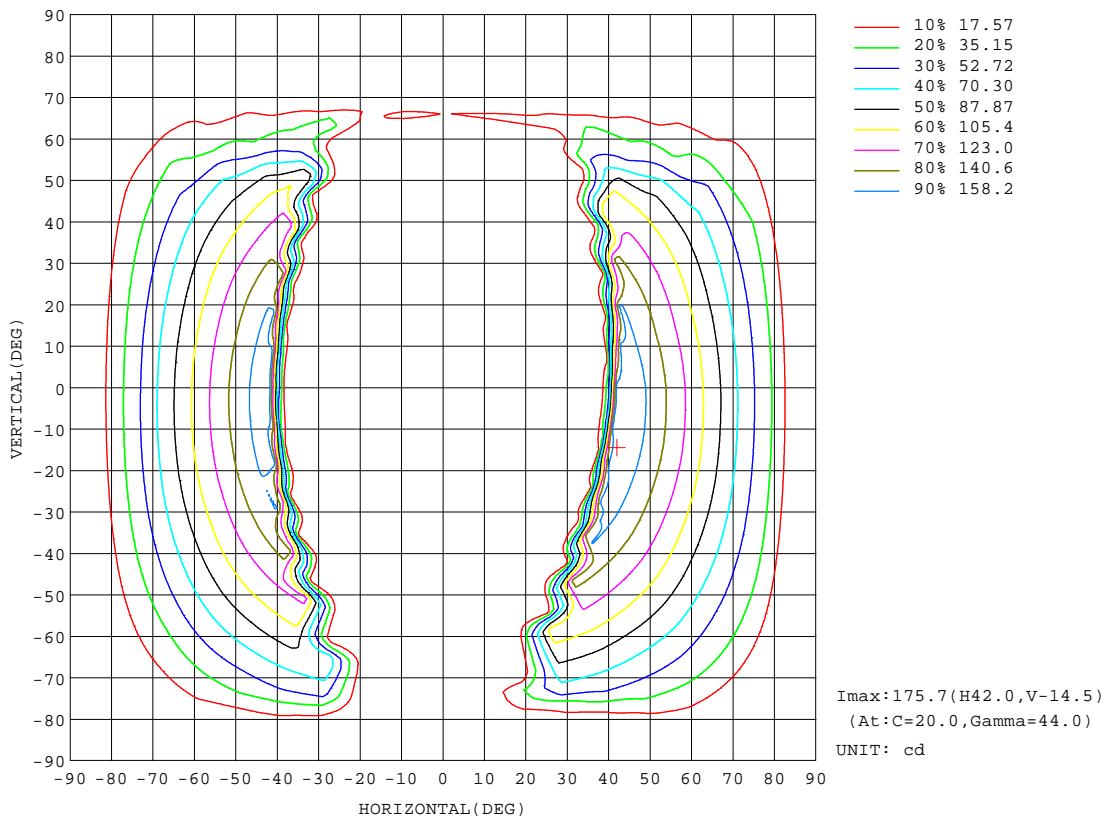
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	32	18	10	29	17	9	26	14	7	-2
0.80	42	27	18	39	26	17	34	22	15	4
1.00	51	37	27	48	35	26	42	33	23	10
1.25	60	46	36	56	43	34	48	38	31	16
1.50	66	53	43	62	50	41	54	44	37	21
2.00	76	64	55	71	60	52	62	53	47	29
2.50	82	71	63	76	67	59	66	59	53	34
3.00	86	77	69	81	72	65	70	64	58	39
4.00	92	84	78	86	79	73	75	70	65	44
5.00	95	89	83	89	84	79	78	74	70	48
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:10 December 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 BGE30KHO HEP LIC9W500 UNI

ISOCANDELA DIAGRAM

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm		
NAME: Scoop LED 7.5W wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



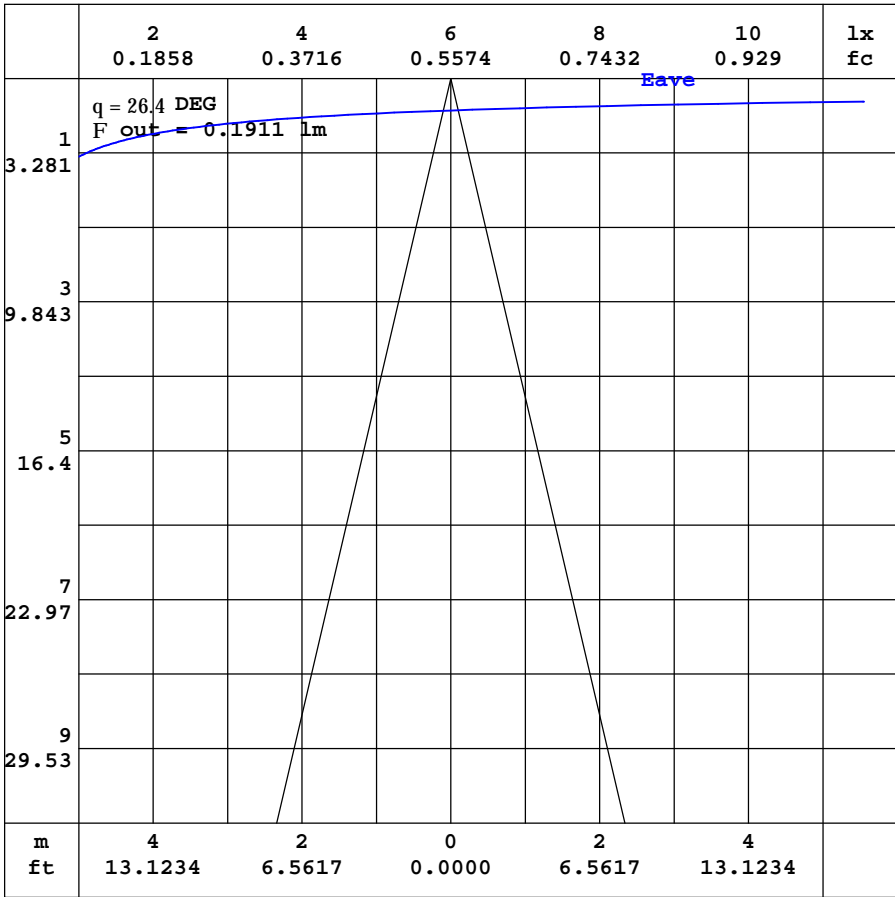
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
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Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: ZIGEN BGE30KHO HEP LIC9W500 UNI



AAI CURVES

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm		
NAME: Scoop LED 7.5W wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



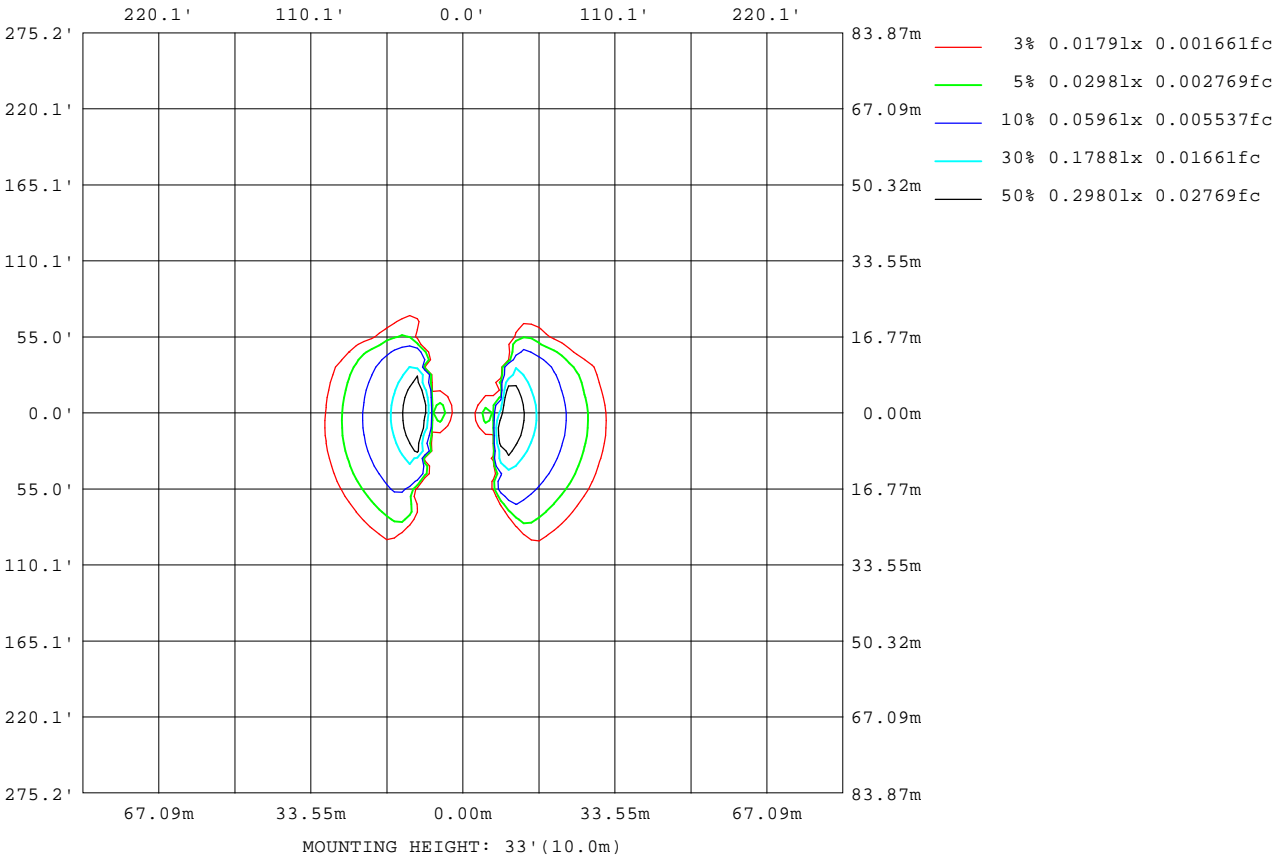
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 10 December 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 BGE30KHO HEP LIC9W500 UNI

ISOLUX DIAGRAM

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm		
NAME: Scoop LED 7.5W 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  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 10 December 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 BGE30KHO HEP LIC9W500 UNI

LED Avg.L Report

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm		
NAME: Scoop LED 7.5W wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

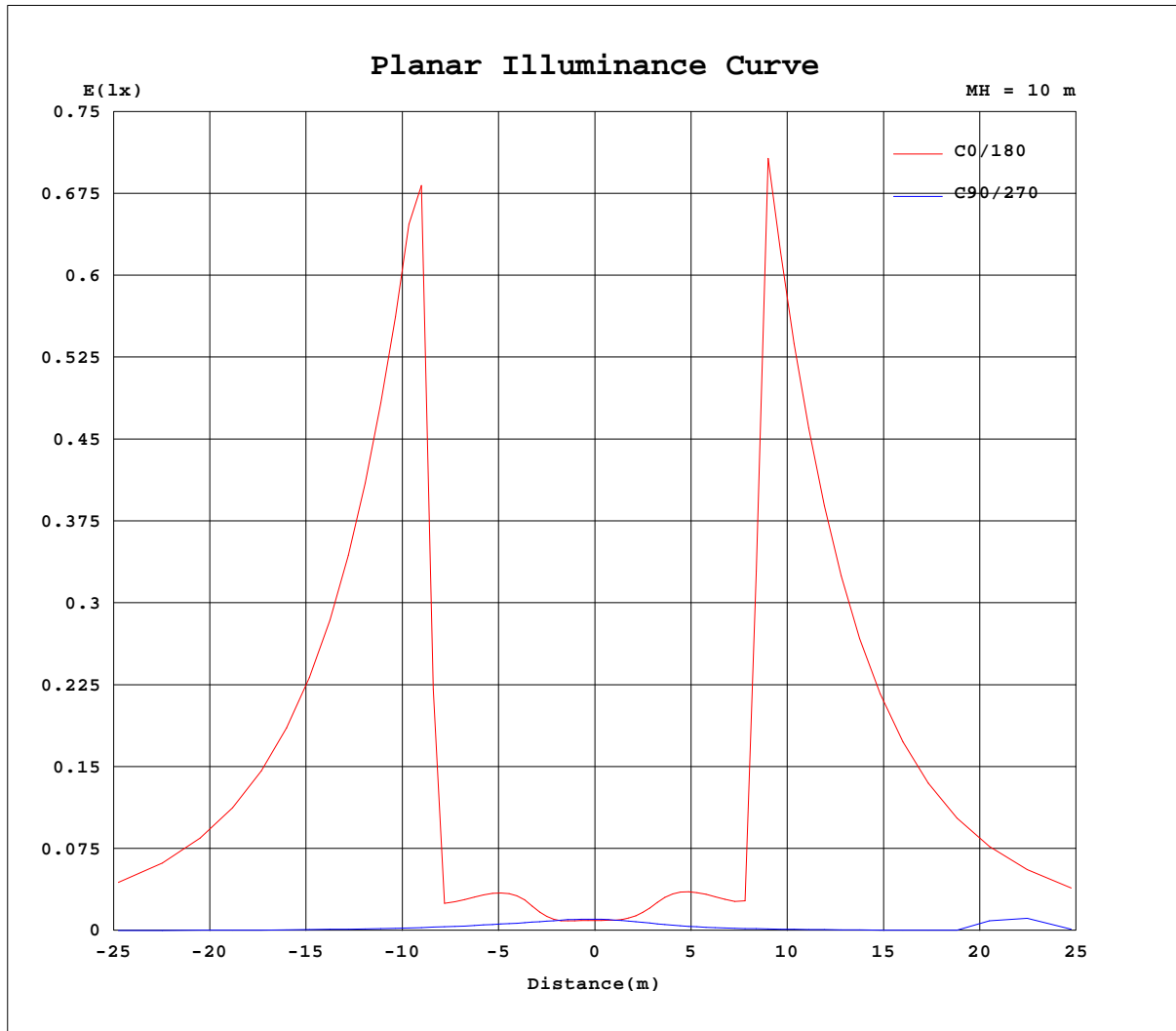
AvgL	cd/m2
L_0~180(65)av	2172
L_0~180(75)av	1884
L_0~180(85)av	347
L_90~270(65)av	185
L_90~270(75)av	126
L_90~270(85)av	150
L_45(65)av	1871
L_45(75)av	1264
L_45(85)av	351

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:10 December 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 BGE30KHO HEP LIC9W500 UNI

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 10 December 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 BGE30KHO HEP LIC9W500 UNI

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm		
NAME: Scoop LED 7.5W 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	0.93	0.94	0.93	0.94	0.94	1.00	0.97	1.03	1.01	1.04	1.03	1.05	1.00	1.02	0.97	0.97	0.94	0.95	0.93
5	0.93	0.94	0.93	0.95	0.95	1.00	1.01	1.03	1.03	1.04	1.05	1.05	1.02	1.03	0.97	0.97	0.94	0.96	0.95
10	0.95	1.01	0.97	1.02	0.99	1.02	1.00	0.97	1.03	1.00	1.04	0.99	1.03	1.06	1.05	1.13	1.15	1.20	1.23
15	1.42	1.43	1.34	1.26	1.10	1.07	1.00	0.94	0.98	0.94	0.99	0.98	1.04	1.19	1.30	1.48	1.61	1.75	1.82
20	3.41	3.22	2.81	2.27	1.77	1.39	1.05	0.94	0.91	0.86	0.93	0.99	1.17	1.49	1.84	2.33	2.93	3.44	3.68
25	4.45	4.37	3.99	3.23	2.41	1.73	1.25	0.96	0.89	0.84	0.89	1.05	1.31	1.74	2.32	3.13	3.93	4.42	4.62
30	5.04	5.05	4.73	4.12	3.27	2.29	1.49	1.08	0.85	0.80	0.86	1.11	1.44	2.10	3.00	3.90	4.57	4.98	5.11
35	5.02	5.02	4.71	4.20	3.45	2.56	1.67	1.17	0.83	0.74	0.83	1.14	1.51	2.30	3.21	3.97	4.54	4.91	5.04
40	49.1	49.5	9.59	4.35	3.49	2.66	1.87	1.22	0.83	0.70	0.80	1.17	1.64	2.47	3.14	3.87	4.72	34.7	73.3
45	174	176	176	114	3.93	2.70	1.90	1.26	0.84	0.63	0.80	1.14	1.64	2.38	3.13	17.0	168	168	167
50	154	156	157	159	159	4.66	1.90	1.25	0.84	0.58	0.79	1.07	1.64	2.36	101	153	151	149	147
55	140	142	143	145	146	146	2.09	1.17	0.81	0.58	0.76	1.03	1.64	3.45	141	140	136	134	132
60	117	119	121	123	123	125	75.4	1.19	0.73	0.45	0.69	0.91	1.74	121	119	117	114	111	108
65	101	103	104	107	108	109	109	1.34	0.66	0.37	0.62	0.84	2.44	106	103	101	97.3	94.6	91.4
70	75.2	77.8	79.2	81.7	82.7	84.8	85.2	2.49	0.54	0.34	0.50	0.71	82.8	81.8	78.6	76.0	72.1	69.2	65.6
75	57.9	60.5	62.0	64.6	65.7	67.8	68.4	34.0	0.48	0.27	0.44	0.71	66.9	64.7	61.1	58.4	54.6	51.8	48.3
80	32.5	35.2	36.5	38.2	37.5	22.6	16.9	4.40	0.41	0.24	0.36	0.57	21.2	25.4	32.1	29.9	25.8	24.7	22.9
85	7.49	10.9	12.3	14.4	12.6	3.68	3.64	1.83	0.35	0.24	0.30	0.38	3.41	3.80	3.89	11.0	9.70	8.99	4.80
90	1.13	1.41	2.14	2.65	2.68	2.03	0.92	0.41	0.29	0.21	0.25	0.35	0.55	1.86	2.40	2.50	2.29	1.61	1.17
95	1.76	1.94	2.32	2.43	1.60	0.98	0.68	0.50	0.30	0.21	0.24	0.41	0.56	0.84	1.03	1.55	2.14	1.93	2.00
100	3.60	3.48	3.29	2.89	2.50	2.02	1.56	0.97	0.45	0.24	0.26	0.65	1.16	1.69	2.15	2.59	3.09	3.43	3.88
105	5.16	5.04	4.80	4.33	3.88	3.22	2.54	1.57	0.64	0.28	0.35	0.92	1.85	2.69	3.38	3.96	4.55	4.98	5.46
110	8.03	7.92	7.69	7.12	6.55	5.63	4.45	2.65	1.05	0.39	0.46	1.42	3.15	4.65	5.81	6.60	7.36	7.83	8.40
115	10.4	10.3	10.1	9.48	8.82	7.55	5.92	3.44	1.33	0.47	0.57	1.82	4.11	6.22	7.81	8.84	9.74	10.3	10.9
120	15.1	15.1	14.9	14.0	13.0	11.1	8.44	4.71	1.83	0.65	0.78	2.38	5.59	8.94	11.4	13.1	14.4	15.1	15.9
125	19.3	19.2	19.0	17.9	16.5	14.0	10.4	5.64	2.20	0.80	0.91	2.75	6.61	11.0	14.4	16.7	18.5	19.4	20.4
130	27.8	27.8	27.4	25.8	23.5	19.3	13.6	7.11	2.77	1.06	1.16	3.36	8.22	14.6	20.1	23.9	26.9	28.2	29.8
135	36.2	35.9	35.5	33.4	29.7	23.6	16.1	8.14	3.24	1.30	1.39	3.78	9.31	17.3	24.7	30.6	35.0	36.8	38.9
140	53.5	52.6	52.1	50.1	45.9	31.8	19.9	9.69	4.00	1.78	1.85	4.44	10.7	21.3	33.4	48.9	52.8	54.1	56.8
145	63.7	63.0	62.5	60.6	60.6	40.4	22.3	10.5	4.53	2.15	2.22	4.85	11.3	23.9	42.6	62.9	61.7	63.8	66.3
150	73.9	73.2	71.4	68.2	64.6	57.2	23.5	11.1	5.30	2.86	2.89	5.37	11.3	24.8	59.6	64.2	67.8	71.9	74.8
155	76.0	74.7	71.5	66.3	58.3	43.3	20.6	11.0	5.70	3.39	3.36	5.57	10.6	20.1	41.2	57.1	64.5	70.3	74.0
160	66.0	61.8	55.6	45.9	35.0	24.7	15.8	9.49	5.36	3.47	3.49	5.28	8.87	14.5	21.7	30.2	37.4	45.2	51.3
165	46.3	41.9	36.6	30.7	24.0	17.5	11.5	7.12	4.38	3.23	3.38	4.82	7.52	11.4	16.2	21.5	26.5	31.2	37.2
170	28.4	23.4	18.3	13.8	10.0	7.64	5.60	4.08	3.03	2.64	2.94	3.97	5.70	8.18	11.1	14.6	18.0	21.4	23.5
175	14.0	10.2	7.37	5.65	4.44	3.62	2.93	2.41	2.08	2.07	2.58	3.37	4.64	6.47	8.75	11.5	14.2	17.1	10.5
180	1.42	1.89	2.78	4.08	5.69	7.69	9.66	11.5	12.6	13.5	13.7	14.0	13.8	13.9	13.6	13.5	13.2	13.1	1.42

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:10 December 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 BGE30KHO HEP LIC9W500 UNI

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.55V I:0.0487A P:10.184W PF:0.9067 Freq:49.99Hz Lamp Flux:317.029x1 lm		
NAME: Scoop LED 7.5W 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	0.94	0.93	0.94	0.94	1.00	0.97	1.03	1.01	1.04	1.03	1.05	1.00	1.02	0.97	0.97	0.94	0.95		
5	0.93	0.93	0.93	0.94	0.97	0.94	0.98	0.97	1.02	0.97	1.01	0.95	0.99	0.94	0.94	0.92	0.95		
10	1.16	1.14	1.02	0.99	0.94	0.90	0.91	0.84	0.91	0.86	0.93	0.86	0.91	0.91	0.91	0.95	0.94		
15	1.80	1.68	1.45	1.26	1.02	0.92	0.84	0.80	0.82	0.79	0.83	0.81	0.88	0.94	1.00	1.20	1.34		
20	3.79	3.45	2.87	2.13	1.52	1.08	0.77	0.61	0.68	0.63	0.69	0.72	0.90	1.38	1.90	2.47	3.04		
25	4.60	4.18	3.59	2.78	1.97	1.29	0.77	0.57	0.59	0.57	0.61	0.75	1.16	1.88	2.62	3.34	4.01		
30	5.04	4.71	4.16	3.39	2.53	1.67	0.88	0.49	0.48	0.46	0.55	0.94	1.67	2.53	3.35	4.08	4.64		
35	4.96	4.70	4.23	3.58	2.75	1.89	1.04	0.49	0.44	0.38	0.55	1.12	1.93	2.78	3.54	4.17	4.63		
40	54.4	5.30	4.21	3.59	2.91	2.10	1.24	0.53	0.41	0.37	0.58	1.38	2.20	2.94	3.57	4.22	6.67		
45	165	163	44.0	3.61	2.91	2.20	1.33	0.59	0.37	0.36	0.65	1.49	2.27	2.94	3.73	82.9	169		
50	144	143	141	109	2.95	2.25	1.49	0.69	0.34	0.35	0.81	1.61	2.34	3.37	144	148	150		
55	129	128	126	125	14.6	2.27	1.53	0.76	0.32	0.32	0.87	1.68	2.45	101	130	133	135		
60	106	105	103	102	85.4	2.39	1.67	0.92	0.38	0.47	1.05	1.84	19.8	103	107	110	112		
65	88.9	87.7	85.7	77.0	48.4	20.2	1.86	1.42	10.8	8.73	1.38	2.17	45.0	68.3	90.1	93.6	95.9		
70	63.1	61.9	52.6	30.6	32.0	11.8	3.59	2.83	2.48	2.49	3.18	5.67	24.8	32.8	45.0	68.0	70.5		
75	45.9	44.7	23.5	19.0	2.99	3.51	4.91	4.27	3.08	3.22	5.89	5.17	3.20	9.98	24.4	48.2	53.3		
80	21.5	12.8	3.06	2.34	3.63	3.19	4.72	5.96	6.32	4.17	3.55	3.02	2.80	2.57	2.26	13.7	27.8		
85	2.91	1.83	1.83	2.12	2.26	2.51	2.76	2.77	2.38	2.49	2.80	2.74	2.51	2.29	2.21	1.86	3.49		
90	1.20	1.48	1.70	1.65	1.68	1.83	2.01	2.12	1.98	2.01	2.07	1.92	1.84	1.80	1.84	1.77	1.45		
95	2.03	1.99	1.92	1.86	1.86	1.95	2.06	2.20	2.12	2.17	2.14	2.04	1.95	1.95	2.01	2.05	2.01		
100	3.94	3.71	3.48	3.13	2.94	2.79	2.79	2.81	2.78	2.80	2.85	2.81	2.95	3.06	3.36	3.52	3.71		
105	5.50	5.22	4.90	4.45	4.19	3.89	3.85	3.65	3.32	3.42	3.84	3.92	4.19	4.37	4.78	5.01	5.23		
110	8.41	8.04	7.64	7.01	6.55	6.10	5.89	5.49	5.26	5.35	5.89	6.10	6.52	6.89	7.51	7.82	8.09		
115	10.9	10.4	9.95	9.15	8.49	7.82	7.48	6.91	6.64	6.78	7.34	7.71	8.39	9.02	9.79	10.2	10.5		
120	15.8	15.2	14.5	13.2	12.1	11.0	10.3	9.51	9.15	9.36	10.2	10.9	12.0	13.0	14.2	14.8	15.3		
125	20.2	19.3	18.4	16.8	15.3	13.8	12.8	11.7	11.3	11.6	12.6	13.7	15.1	16.4	18.0	18.9	19.5		
130	29.4	28.0	26.6	23.8	21.4	19.1	17.5	16.1	15.7	16.0	17.4	19.0	21.1	23.2	25.6	27.3	28.1		
135	38.5	37.1	35.2	30.0	26.7	23.7	21.6	20.0	19.5	19.9	21.5	23.5	26.3	29.1	33.1	36.1	36.6		
140	56.5	55.4	58.2	43.1	36.9	32.6	29.7	27.6	27.0	27.5	29.5	32.2	36.2	41.1	55.5	54.0	54.1		
145	66.0	64.9	65.7	60.0	45.8	40.0	36.5	34.1	33.4	33.9	36.3	39.5	44.9	53.7	67.7	63.7	63.8		
150	74.5	74.3	73.8	76.0	71.1	55.5	49.7	46.4	45.6	46.3	49.5	54.7	67.6	77.5	73.9	73.3	72.7		
155	72.6	74.9	75.4	75.8	78.5	75.4	66.0	59.5	58.2	59.3	65.2	74.7	79.5	76.2	75.8	75.3	73.7		
160	55.1	59.4	65.6	71.5	73.5	75.0	76.4	78.1	78.3	77.9	76.2	75.1	73.7	72.7	70.1	67.0	61.7		
165	41.5	46.3	54.4	62.8	67.4	70.0	71.3	72.0	72.0	71.6	70.8	69.9	67.7	63.8	56.5	49.8	45.1		
170	28.5	33.4	38.1	42.9	47.7	52.0	54.7	56.5	56.4	55.6	53.1	50.1	45.5	41.8	38.4	35.5	32.0		
175	15.1	20.4	25.5	30.1	33.8	36.4	37.9	38.6	38.2	37.6	36.1	34.8	32.8	31.2	29.1	27.7	25.5		
180	1.99	2.91	4.25	5.97	8.01	10.1	11.9	13.1	13.8	14.2	14.3	14.3	14.1	14.0	13.6	13.5	13.1		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:10 December 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 BGE30KHO HEP LIC9W500 UNI