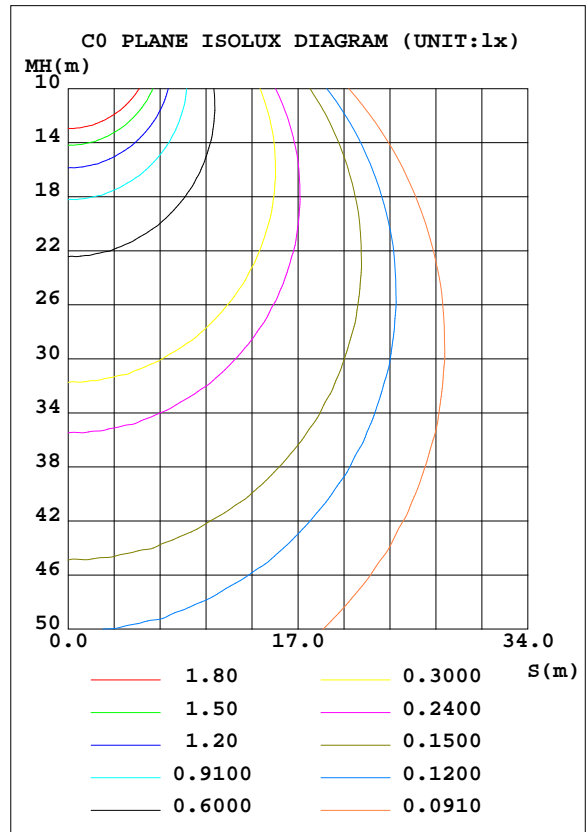
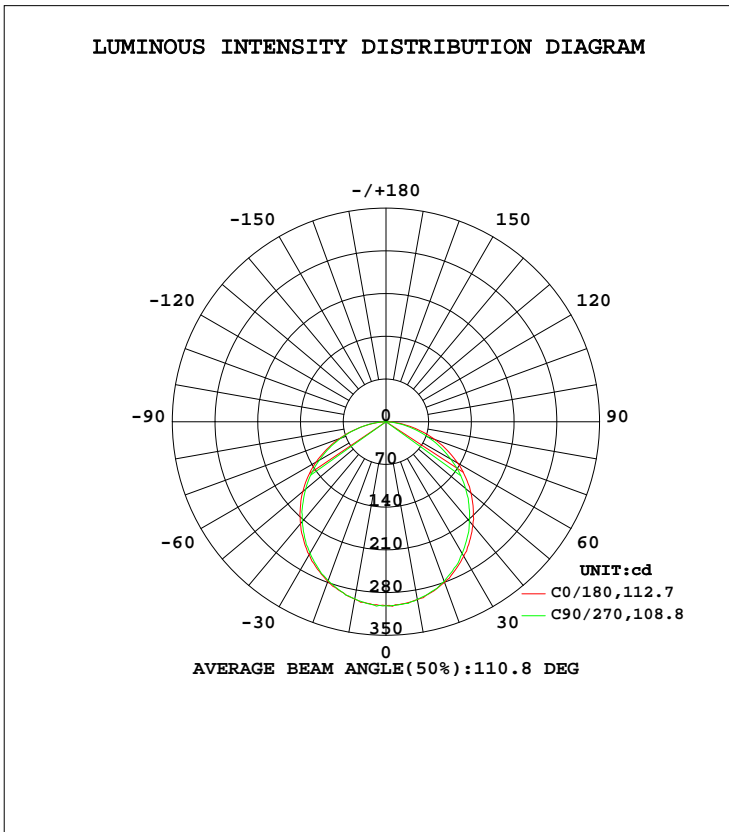


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:120.07V I:0.1081A P:12.380W PF:0.9538 Freq:60.00Hz Lamp Flux:844.947x1 lm		
NAME: ASD-UCS-24D12CC	TYPE: N/A	WEIGHT: N/A
SPEC.: N/A	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 68.25 lm/W
MODEL	ASD-UCS-24D12CC	I <sub>max</sub> (cd)	302.5	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	844.95	η UP, DN(C0-180)	0.1,50.1	
NOMINAL FLUX(lm)	844.947	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.8	
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Water  
 Test Date:2023-09-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:50%  
 Test Distance:2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	295.4	294.5	294.7	295.3	296.0	296.2	295.7	295.3	0- 10	28.50	28.50	3.37,3.37
20	278.5	276.6	276.9	278.0	279.9	279.1	278.7	277.9	10- 20	81.34	109.8	13,13
30	251.7	250.0	248.7	251.5	254.6	252.1	249.7	251.6	20- 30	122.6	232.4	27.5,27.5
40	218.0	215.8	213.3	216.9	221.7	216.9	212.9	216.6	30- 40	146.9	379.3	44.9,44.9
50	177.9	174.9	171.7	175.9	181.8	175.9	170.3	174.7	40- 50	151.7	531.0	62.8,62.8
60	132.1	129.6	126.5	130.5	136.2	128.6	122.7	127.1	50- 60	136.7	667.6	79,79
70	81.60	81.00	78.52	81.70	85.10	78.74	73.59	77.56	60- 70	103.5	771.2	91.3,91.3
80	31.97	33.04	32.26	33.66	35.05	30.62	27.12	29.91	70- 80	58.24	829.4	98.2,98.2
90	0.0598	0.0433	0.0400	0.0490	0.4901	0.0147	0.0123	0.0127	80- 90	14.65	844.0	99.9,99.9
100	0.0696	0.0821	0.0716	0.0811	0.0295	0.0286	0.0291	0.0264	90-100	0.0461	844.1	99.9,99.9
110	0.0870	0.0921	0.0904	0.0944	0.0489	0.0491	0.0487	0.0453	100-110	0.0636	844.2	99.9,99.9
120	0.1192	0.1234	0.1243	0.1263	0.0741	0.0738	0.0726	0.0700	110-120	0.0815	844.2	99.9,99.9
130	0.1760	0.1807	0.1884	0.1851	0.1075	0.1082	0.1026	0.1004	120-130	0.1068	844.3	99.9,99.9
140	0.2749	0.2990	0.3030	0.2954	0.1429	0.1452	0.1426	0.1399	130-140	0.1361	844.5	99.9,99.9
150	0.3878	0.4374	0.4538	0.4285	0.1763	0.1877	0.1919	0.1830	140-150	0.1654	844.6	100,100
160	0.4887	0.5198	0.5332	0.5155	0.2432	0.2449	0.2437	0.2329	150-160	0.1595	844.8	100,100
170	0.4631	0.4855	0.4806	0.4733	0.3021	0.2887	0.2797	0.2751	160-170	0.1090	844.9	100,100
180	0.3959	0.3754	0.3628	0.3811	0.3943	0.3891	0.3680	0.3651	170-180	0.0363	844.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 455.81 lm

%lum = 53.9%  
 %lamp = 53.9%

Conical surface Flux(120deg): 667.64 lm

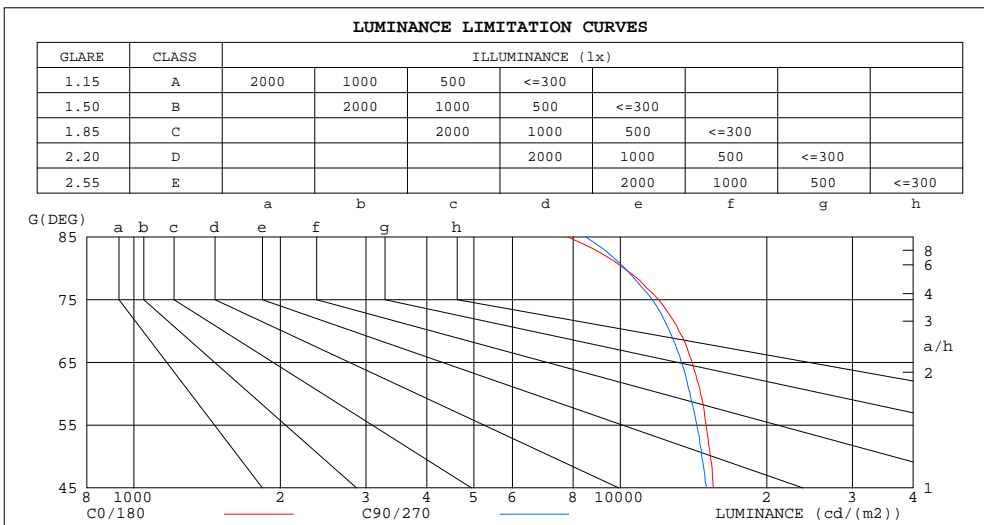
%lum = 79.0%  
 %lamp = 79.0%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Water  
 Test Date:2023-09-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:50%  
 Test Distance:2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G

**LUMINANCE LIMITATION CURVES**

Test:U:120.07V I:0.1081A P:12.380W PF:0.9538 Freq:60.00Hz Lamp Flux:844.947x1 lm		
NAME: ASD-UCS-24D12CC	TYPE: N/A	WEIGHT: N/A
SPEC.: N/A	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	7792	8485
80	10180	10220
75	11985	11634
70	13194	12631
65	14063	13352
60	14613	13917
55	15016	14364
50	15309	14701
45	15533	15057

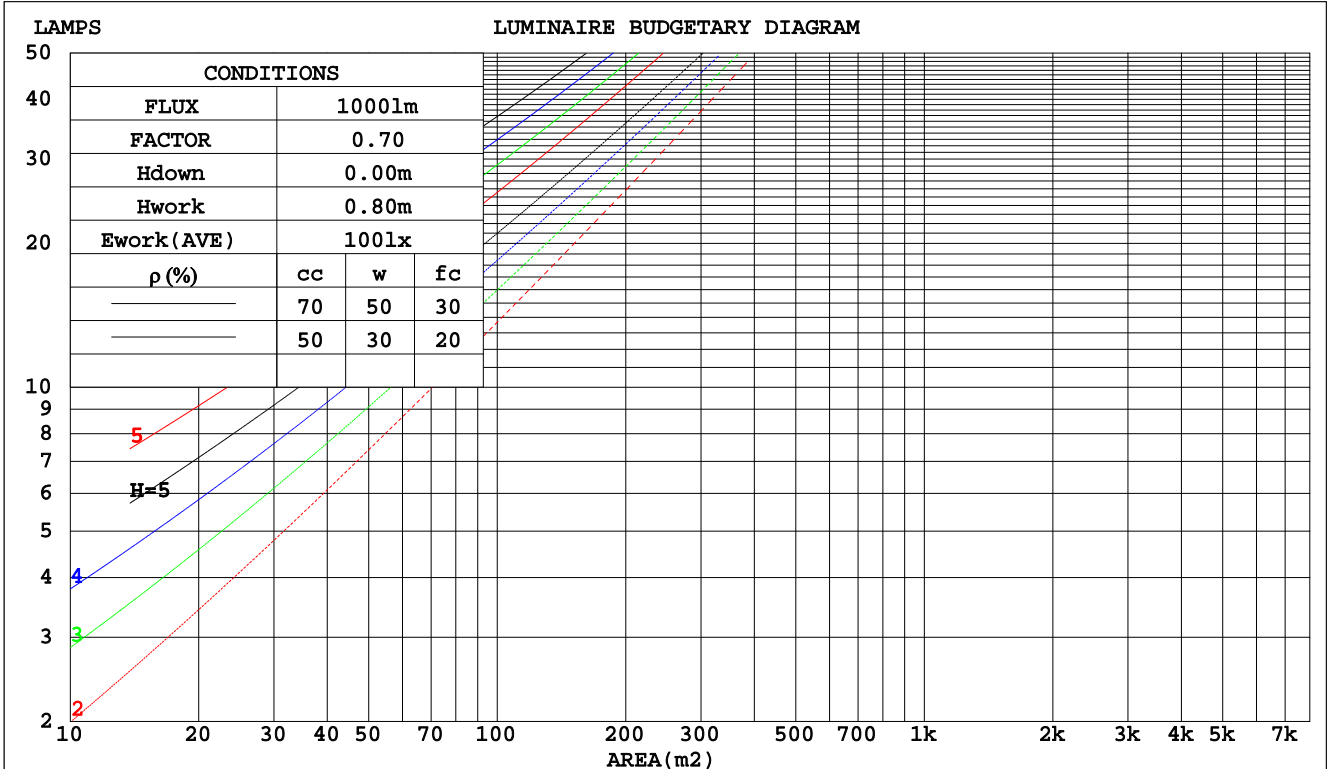
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Water  
 Test Date: 2023-09-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity: 50%  
 Test Distance: 2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.07V I:0.1081A P:12.380W PF:0.9538 Freq:60.00Hz Lamp Flux:844.947x1 lm		
NAME: ASD-UCS-24D12CC	TYPE: N/A	WEIGHT: N/A
SPEC.: N/A	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio      Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.74	.79	.75	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.70	.62	.55	.69	.61	.54	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.51	.45	.40	.38
7.0	.51	.43	.36	.51	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.26	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Water  
 Test Date:2023-09-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:50%  
 Test Distance:2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G

WEC AND CCEC

Test:U:120.07V I:0.1081A P:12.380W PF:0.9538 Freq:60.00Hz		
Lamp Flux:844.947x1 lm		
NAME: ASD-UCS-24D12CC	TYPE: N/A	WEIGHT: N/A
SPEC.: N/A	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.307	.175	.055	.300	.171	.054	.287	.165	.053	.275	.158	.051	.263	.153	.049	
2.0	.290	.159	.049	.284	.156	.048	.272	.151	.047	.261	.147	.046	.251	.142	.045	
3.0	.269	.143	.043	.263	.141	.042	.253	.137	.042	.243	.133	.041	.234	.130	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.226	.121	.037	.218	.118	.036	
5.0	.230	.117	.034	.225	.116	.034	.217	.113	.033	.209	.111	.033	.202	.108	.032	
6.0	.213	.107	.031	.209	.106	.030	.202	.103	.030	.195	.101	.030	.189	.099	.030	
7.0	.198	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.177	.092	.027	
8.0	.185	.091	.025	.182	.090	.025	.176	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.152	.075	.021	.147	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.135	.155	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.086	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.102	.059	.135	.088	.052	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.042	.089	.055	.030	.051	.032	.018	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.130	.070	.030	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.106	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.070	.037	.014	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Water  
 Test Date:2023-09-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:50%  
 Test Distance:2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G

UGR(Unified Glare Rating) Table

Test:U:120.07V I:0.1081A P:12.380W PF:0.9538 Freq:60.00Hz										
Lamp Flux:844.947x1 lm										
NAME: ASD-UCS-24D12CC					TYPE: N/A			WEIGHT: N/A		
SPEC.: N/A					DIM.: N/A			SERIAL No.: N/A		
MFR.: ASD Lighting Corp					SUR.: N/A			Shielding Angle: N/A		
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	22.9	24.4	23.2	24.6	24.8	22.7	24.2	23.0	24.4	24.6
3H	24.4	25.8	24.7	26.1	26.3	24.2	25.6	24.5	25.8	26.1
4H	25.0	26.4	25.3	26.6	26.9	24.8	26.1	25.1	26.4	26.6
6H	25.4	26.7	25.7	26.9	27.2	25.2	26.4	25.5	26.7	27.0
8H	25.5	26.7	25.9	27.0	27.3	25.3	26.5	25.6	26.8	27.1
12H	25.6	26.7	25.9	27.0	27.3	25.4	26.5	25.7	26.8	27.1
4H 2H	23.5	24.8	23.8	25.1	25.3	23.3	24.7	23.6	24.9	25.2
3H	25.2	26.4	25.6	26.7	27.0	25.0	26.2	25.4	26.5	26.8
4H	25.9	27.0	26.3	27.3	27.6	25.7	26.8	26.1	27.1	27.4
6H	26.4	27.4	26.8	27.7	28.1	26.2	27.2	26.6	27.5	27.9
8H	26.6	27.5	27.0	27.8	28.2	26.4	27.3	26.8	27.7	28.0
12H	26.7	27.5	27.1	27.9	28.3	26.5	27.3	26.9	27.7	28.1
8H 4H	26.2	27.1	26.6	27.4	27.8	26.0	26.9	26.4	27.2	27.6
6H	26.8	27.6	27.3	28.0	28.4	26.7	27.4	27.1	27.8	28.2
8H	27.1	27.7	27.5	28.1	28.6	26.9	27.6	27.4	28.0	28.4
12H	27.2	27.8	27.7	28.2	28.7	27.1	27.6	27.6	28.1	28.6
12H 4H	26.2	27.0	26.6	27.4	27.8	26.0	26.8	26.4	27.2	27.6
6H	26.9	27.5	27.3	27.9	28.4	26.7	27.4	27.2	27.8	28.2
8H	27.1	27.7	27.6	28.1	28.6	27.0	27.6	27.5	28.0	28.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 844.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.6)  
 Area: 0.018135 m2

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Water  
 Test Date:2023-09-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:50%  
 Test Distance:2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G

**UTILIZATION FACTORS TABLE**

Test:U:120.07V I:0.1081A P:12.380W PF:0.9538 Freq:60.00Hz Lamp Flux:844.947x1 lm		
NAME: ASD-UCS-24D12CC	TYPE: N/A	WEIGHT: N/A
SPEC.: N/A	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

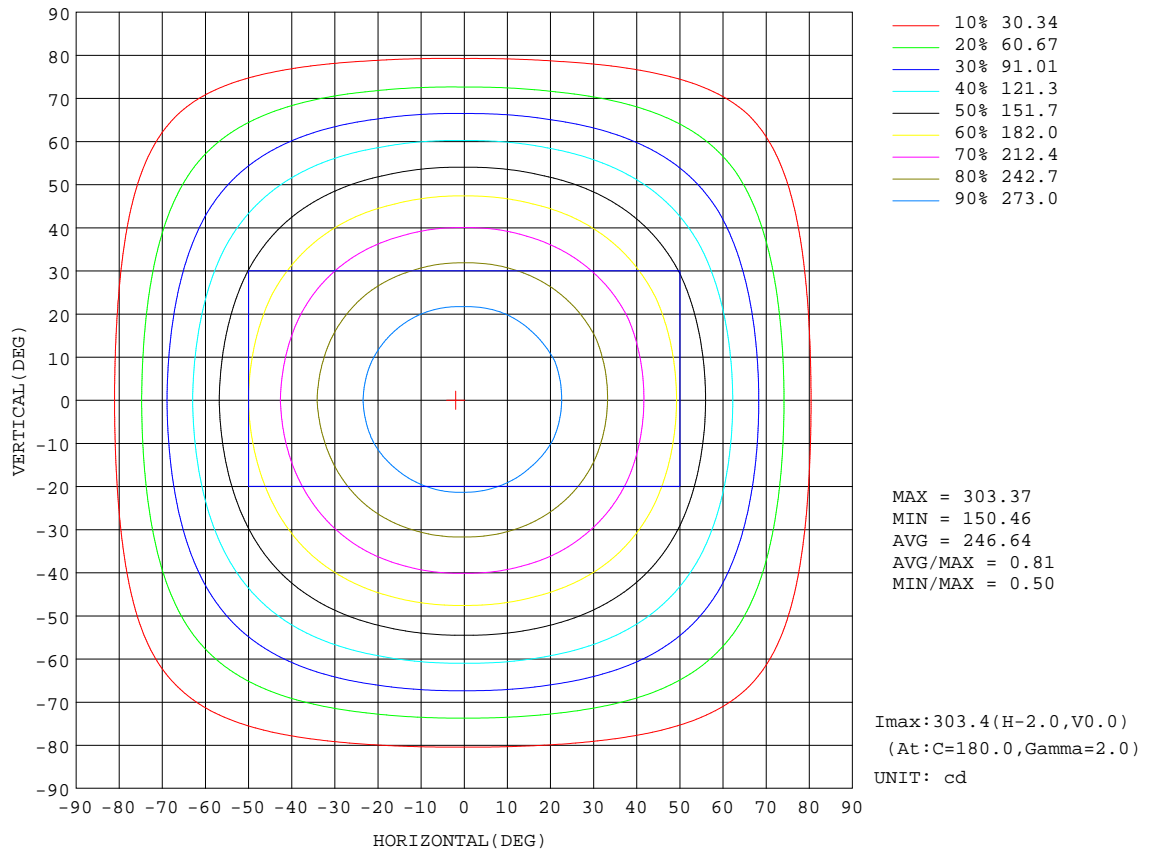
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	66	82	72	65	79	71	64	57
1.50	88	78	71	87	77	71	84	76	70	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Water  
 Test Date:2023-09-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:50%  
 Test Distance:2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G

**ISOCANDELA DIAGRAM**

Test:U:120.07V I:0.1081A P:12.380W PF:0.9538 Freq:60.00Hz Lamp Flux:844.947x1 lm		
NAME: ASD-UCS-24D12CC	TYPE: N/A	WEIGHT: N/A
SPEC.: N/A	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Water  
 Test Date: 2023-09-08

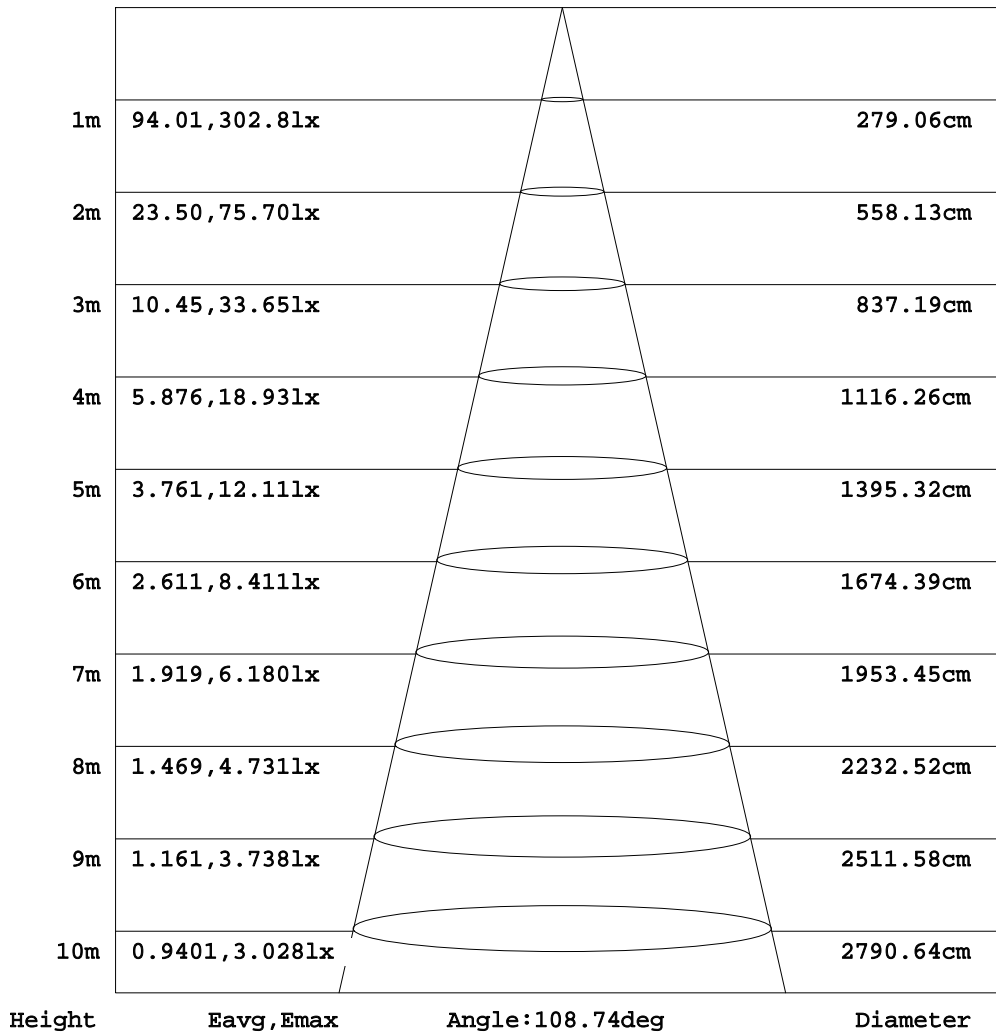
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity: 50%  
 Test Distance: 2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G



**AAI Figure**

Test:U:120.07V I:0.1081A P:12.380W PF:0.9538 Freq:60.00Hz Lamp Flux:844.947x1 lm		
NAME: ASD-UCS-24D12CC	TYPE: N/A	WEIGHT: N/A
SPEC.: N/A	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

Flux out:602.4 lm



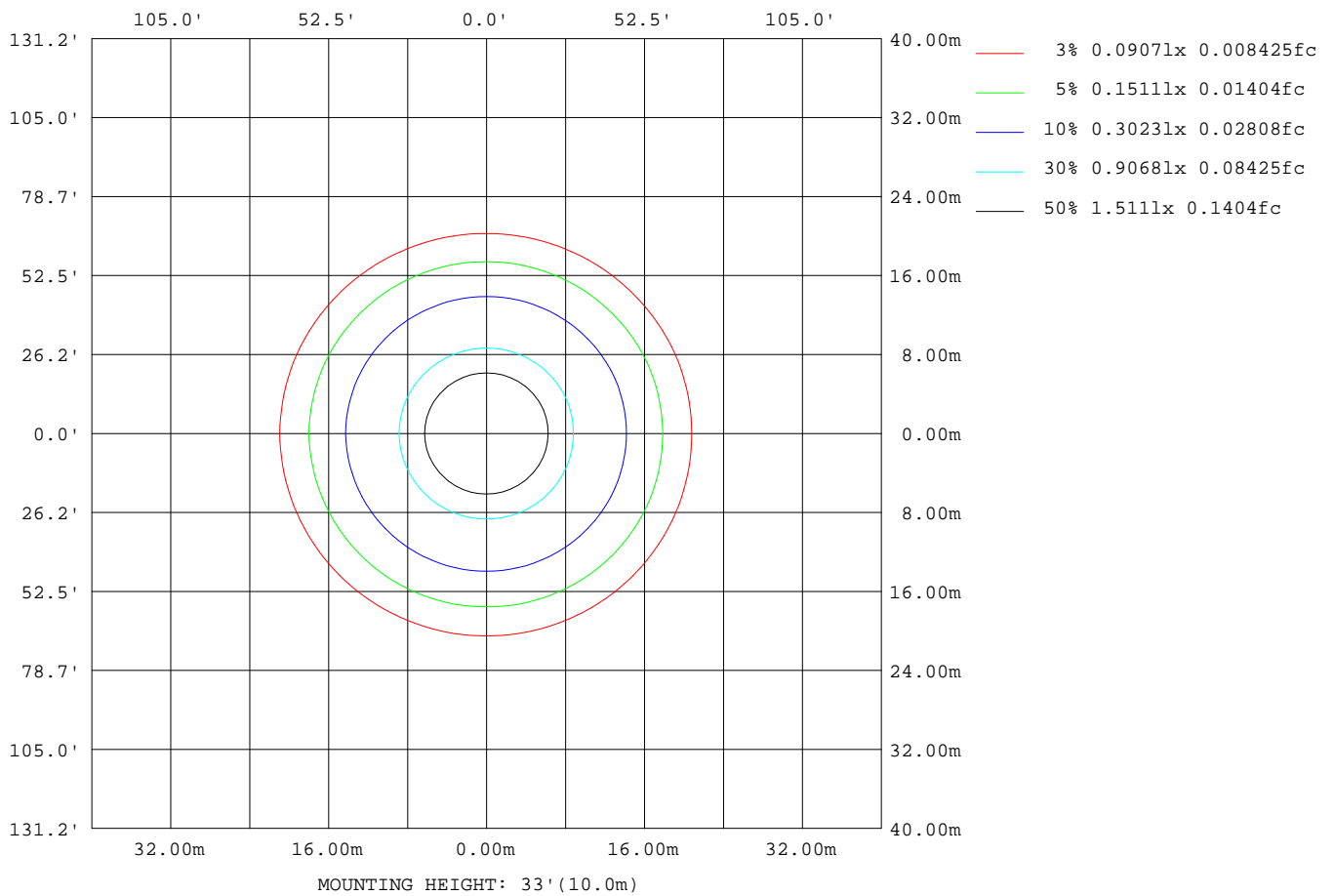
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 24.9DEG  
Operators: Water  
Test Date: 2023-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
Humidity: 50%  
Test Distance: 2.513m [K=1.0000]  
Remarks: Model No: UCL-31B-24G

**ISOLUX DIAGRAM**

Test:U:120.07V I:0.1081A P:12.380W PF:0.9538 Freq:60.00Hz Lamp Flux:844.947x1 lm		
NAME: ASD-UCS-24D12CC	TYPE: N/A	WEIGHT: N/A
SPEC.: N/A	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Water  
 Test Date:2023-09-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:50%  
 Test Distance:2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G

LED Avg.L Report

Test:U:120.07V I:0.1081A P:12.380W PF:0.9538 Freq:60.00Hz Lamp Flux:844.947x1 lm		
NAME: ASD-UCS-24D12CC	TYPE: N/A	WEIGHT: N/A
SPEC.: N/A	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

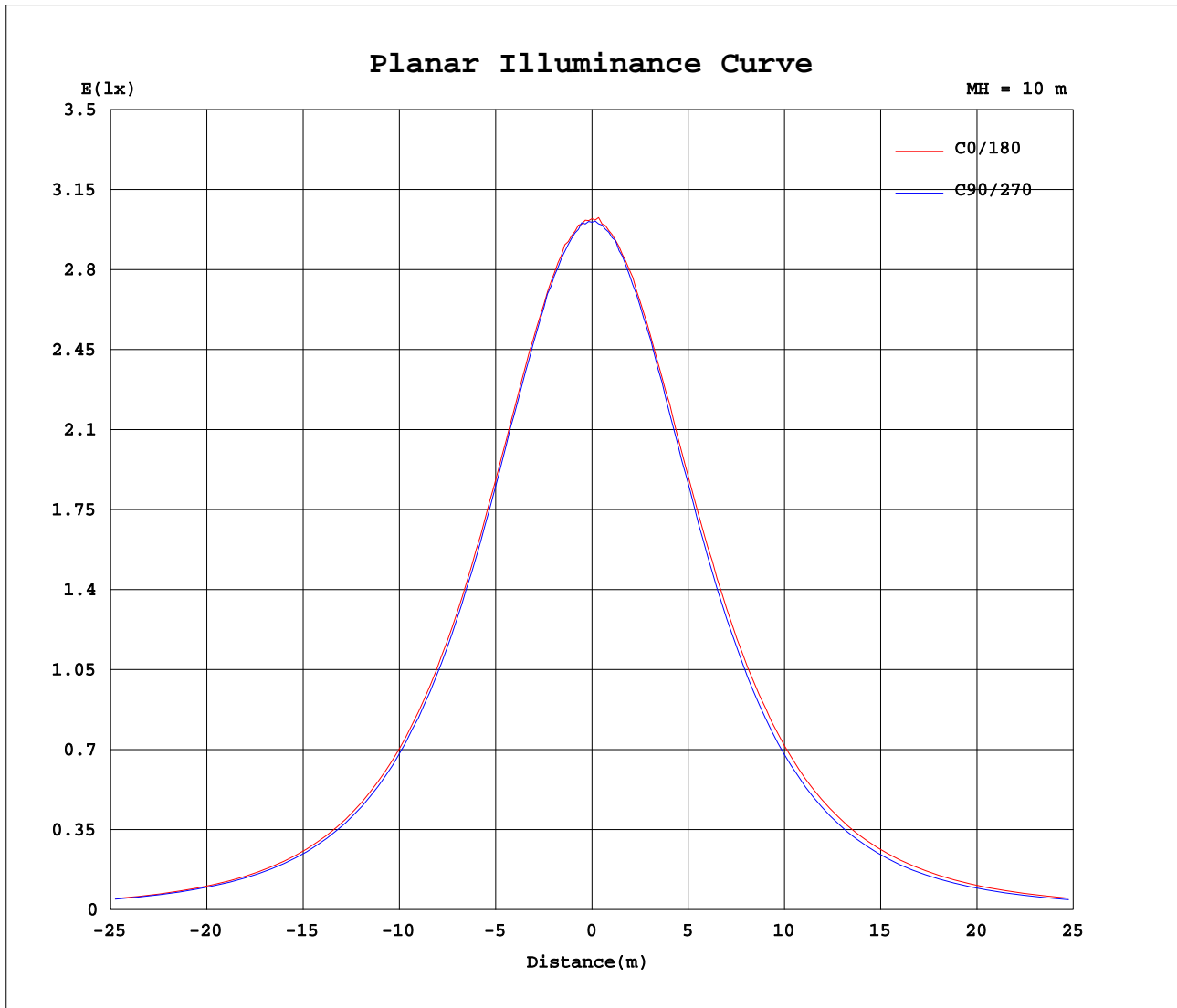
AvgL	cd/m2
L_0~180(65)av	14234
L_0~180(75)av	12305
L_0~180(85)av	8574
L_90~270(65)av	13092
L_90~270(75)av	11089
L_90~270(85)av	7010
L_45(65)av	13635
L_45(75)av	11715
L_45(85)av	7831

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Water  
 Test Date:2023-09-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:50%  
 Test Distance:2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Water  
 Test Date: 2023-09-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity: 50%  
 Test Distance: 2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.07V I:0.1081A P:12.380W PF:0.9538 Freq:60.00Hz Lamp Flux:844.947x1 lm		
NAME: ASD-UCS-24D12CC	TYPE: N/A	WEIGHT: N/A
SPEC.: N/A	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301			
5	299	299	299	300	300	301	300	301	300	299	299	301	300	300	300	300			
10	295	295	295	295	295	296	295	296	296	296	296	297	296	296	295	295			
15	288	288	287	287	287	288	288	290	289	288	288	289	288	289	288	289			
20	278	278	277	277	277	278	278	280	280	280	279	279	279	278	278	279			
25	266	266	264	264	264	265	266	268	268	268	266	265	265	266	266	267			
30	252	251	250	249	249	250	251	254	255	254	252	250	250	251	252	253			
35	236	235	233	233	232	234	236	237	239	237	235	233	232	233	235	237			
40	218	218	216	214	213	215	217	219	222	220	217	214	213	214	217	220			
45	199	198	196	194	194	195	197	199	202	200	197	194	192	194	196	199			
50	178	177	175	173	172	173	176	179	182	180	176	172	170	172	175	179			
55	156	155	153	151	150	151	153	156	160	157	153	149	147	149	152	156			
60	132	132	130	127	126	128	130	133	136	134	129	125	123	124	127	132			
65	107	107	105	104	103	104	106	109	111	109	104	100	98.1	99.3	103	107			
70	81.6	82.1	81.0	79.3	78.5	79.5	81.7	83.4	85.1	82.8	78.7	75.2	73.6	74.5	77.6	81.4			
75	56.1	56.7	56.3	55.3	54.7	55.5	57.0	58.8	59.4	57.2	53.7	50.9	49.4	50.2	52.9	56.0			
80	32.0	33.0	33.0	32.7	32.3	32.9	33.7	34.0	35.0	33.4	30.6	28.3	27.1	27.8	29.9	32.5			
85	12.3	13.2	13.5	13.5	13.4	13.7	13.8	13.8	14.8	13.5	11.3	9.46	8.72	9.12	10.8	12.9			
90	0.06	0.05	0.04	0.04	0.04	0.04	0.05	0.09	0.49	0.12	0.01	0.01	0.01	0.01	0.01	0.04			
95	0.06	0.08	0.08	0.05	0.05	0.05	0.08	0.08	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02			
100	0.07	0.08	0.08	0.08	0.07	0.08	0.08	0.08	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
105	0.08	0.08	0.09	0.08	0.08	0.08	0.09	0.08	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
110	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
115	0.10	0.10	0.11	0.10	0.10	0.11	0.11	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06			
120	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07			
125	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.09			
130	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.18	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10			
135	0.21	0.22	0.23	0.23	0.24	0.24	0.23	0.21	0.13	0.13	0.12	0.13	0.12	0.12	0.12	0.13			
140	0.27	0.29	0.30	0.30	0.30	0.31	0.30	0.27	0.14	0.14	0.15	0.14	0.14	0.14	0.14	0.14			
145	0.33	0.35	0.38	0.39	0.39	0.39	0.37	0.34	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17			
150	0.39	0.42	0.44	0.45	0.45	0.45	0.43	0.40	0.18	0.17	0.19	0.19	0.19	0.19	0.18	0.19			
155	0.46	0.48	0.49	0.50	0.51	0.51	0.48	0.47	0.20	0.19	0.22	0.22	0.21	0.21	0.21	0.22			
160	0.49	0.50	0.52	0.54	0.53	0.54	0.52	0.50	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.25			
165	0.49	0.50	0.52	0.53	0.54	0.52	0.51	0.49	0.27	0.27	0.26	0.27	0.26	0.26	0.26	0.27			
170	0.46	0.47	0.49	0.48	0.48	0.47	0.47	0.47	0.30	0.30	0.29	0.28	0.28	0.27	0.28	0.29			
175	0.44	0.44	0.45	0.44	0.43	0.43	0.44	0.45	0.35	0.34	0.34	0.32	0.31	0.30	0.31	0.33			
180	0.40	0.39	0.38	0.37	0.36	0.36	0.38	0.40	0.39	0.39	0.39	0.38	0.37	0.36	0.37	0.38			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Water  
 Test Date:2023-09-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:50%  
 Test Distance:2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-24G