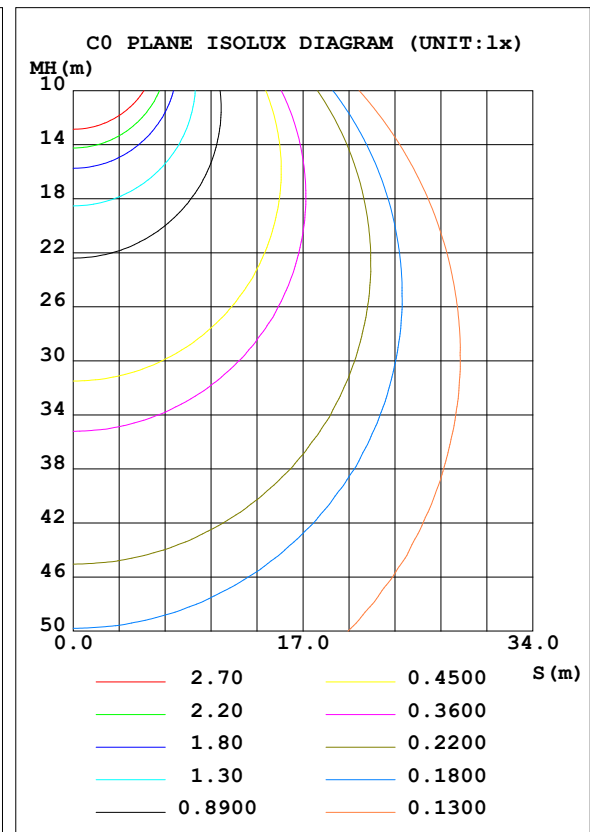
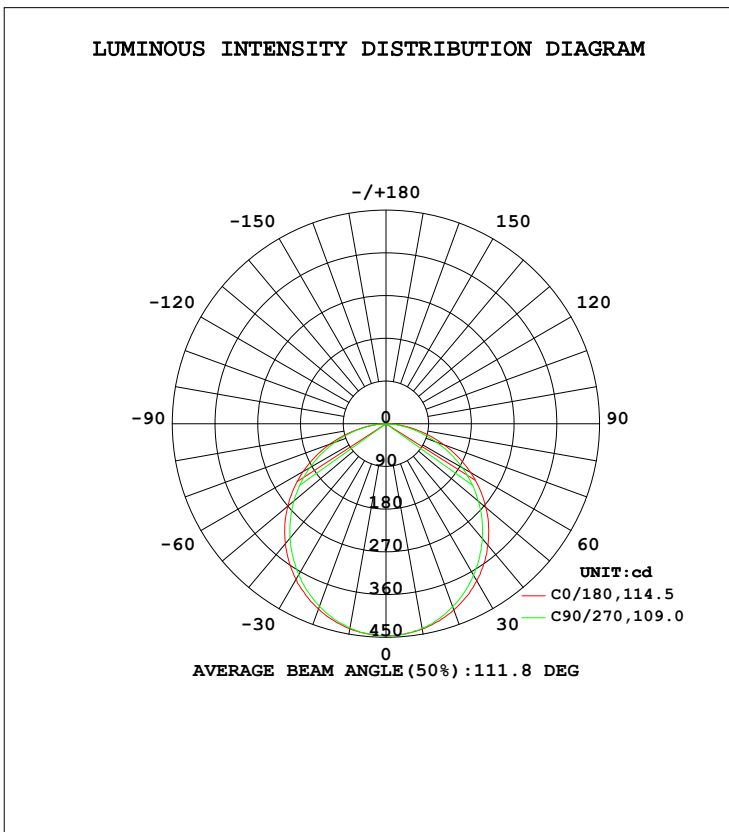


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:120.04V I:0.1510A P:17.090W PF:0.9428 Freq:60.00Hz Lamp Flux:1266.03x1 lm		
NAME: ASD-UCS-32D16CC	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: 74.08 lm/W			
MODEL	ASD-UCS-32D16CC	I <sub>max</sub> (cd)	447.6	S/MH (C0/180)	1.27
NOMINAL POWER (W)	16	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1266.0	η UP, DN (C0-180)	0.1,49.8
NOMINAL FLUX (lm)	1266.03	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0,50.1
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-32G

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	438.5	437.8	436.8	437.1	438.8	438.3	437.8	438.0	0- 10	42.23	42.23	3.34,3.34
20	415.2	412.9	409.5	412.6	417.3	413.7	410.2	413.1	10- 20	120.6	162.9	12.9,12.9
30	378.7	373.7	367.6	372.7	382.6	375.3	368.4	374.2	20- 30	182.2	345.0	27.3,27.3
40	329.6	322.2	314.7	322.2	334.3	325.4	315.9	323.0	30- 40	218.9	564.0	44.5,44.5
50	270.0	261.5	253.5	262.6	275.0	265.2	254.2	261.9	40- 50	226.8	790.7	62.5,62.5
60	201.5	193.4	185.7	194.4	206.3	196.3	186.1	193.9	50- 60	205.1	995.8	78.7,78.7
70	125.8	120.7	114.5	120.7	130.4	121.2	112.9	120.1	60- 70	156.3	1152	91,91
80	51.61	49.87	46.74	50.28	56.12	50.21	44.64	49.09	70- 80	89.05	1241	98,98
90	0.1257	0.0707	0.0665	0.0778	1.191	0.0493	0.0236	0.0266	80- 90	23.49	1265	99.9,99.9
100	0.1078	0.1253	0.1155	0.1192	0.0464	0.0463	0.0454	0.0438	90-100	0.0850	1265	99.9,99.9
110	0.1329	0.1399	0.1384	0.1395	0.0748	0.0777	0.0743	0.0704	100-110	0.0978	1265	99.9,99.9
120	0.1806	0.1866	0.1882	0.1891	0.1181	0.1151	0.1100	0.1056	110-120	0.1246	1265	99.9,99.9
130	0.2619	0.2708	0.2832	0.2765	0.1662	0.1647	0.1551	0.1526	120-130	0.1620	1265	99.9,99.9
140	0.4091	0.4473	0.4529	0.4380	0.2179	0.2193	0.2143	0.2132	130-140	0.2046	1265	99.9,99.9
150	0.5744	0.6506	0.6723	0.6341	0.2654	0.2811	0.2863	0.2764	140-150	0.2468	1266	100,100
160	0.7210	0.7707	0.7877	0.7627	0.3699	0.3618	0.3548	0.3541	150-160	0.2366	1266	100,100
170	0.7020	0.7161	0.7096	0.7120	0.4554	0.4422	0.4091	0.4103	160-170	0.1623	1266	100,100
180	0.5948	0.5544	0.5328	0.5779	0.5949	0.5837	0.5481	0.5508	170-180	0.0540	1266	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 678.24 lm

%lum = 53.6%  
 %lamp = 53.6%

Conical surface Flux(120deg): 995.79 lm

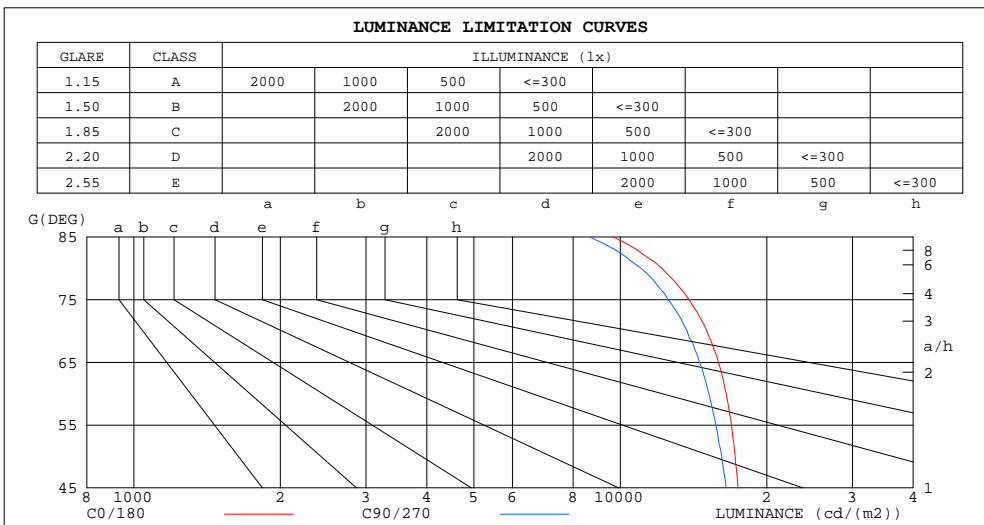
%lum = 78.7%  
 %lamp = 78.7%

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-32G

**LUMINANCE LIMITATION CURVES**

Test:U:120.04V I:0.1510A P:17.090W PF:0.9428 Freq:60.00Hz Lamp Flux:1266.03x1 lm		
NAME: ASD-UCS-32D16CC	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	9670	8648
80	12179	11032
75	13847	12554
70	15074	13721
65	15909	14542
60	16514	15221
55	16917	15724
50	17214	16162
45	17463	16496

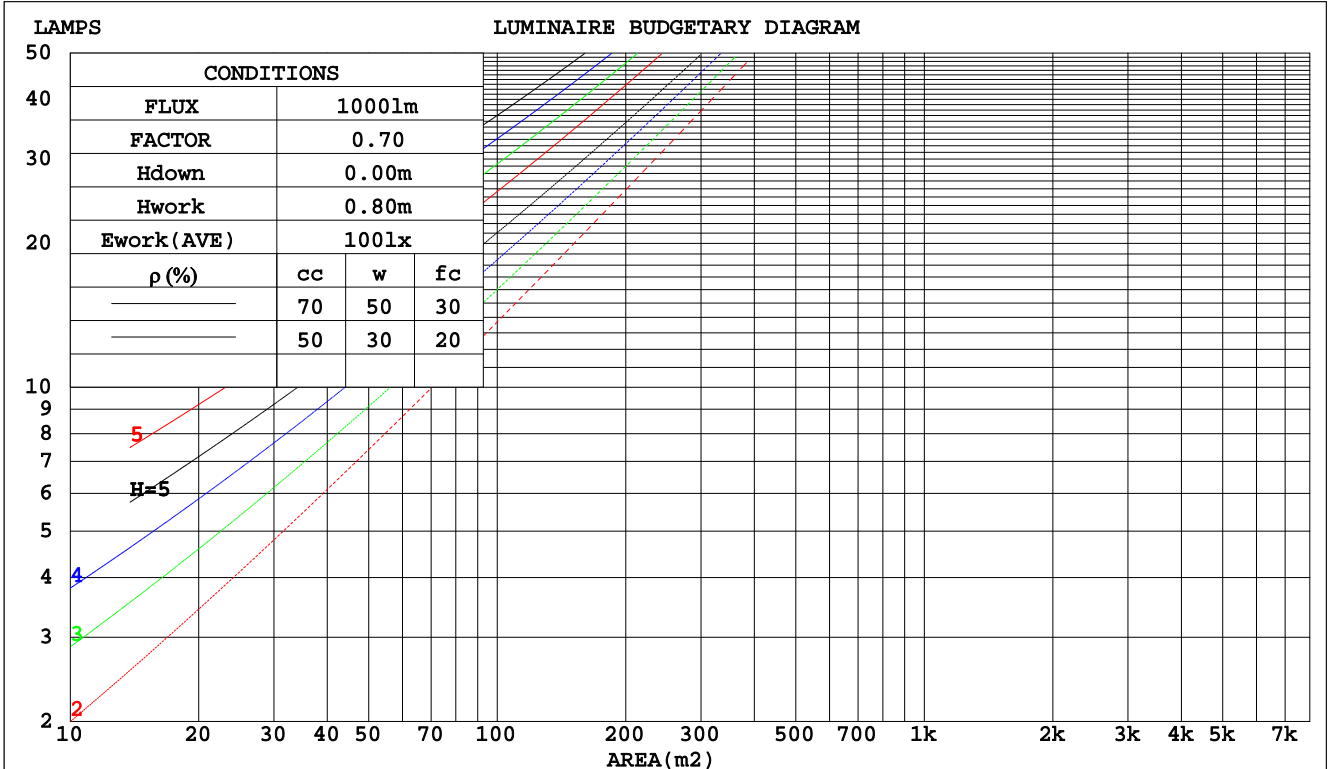
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:24.9DEG  
 Operators:Water  
 Test Date:2023-09-08

$\gamma$  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-32G

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.04V I:0.1510A P:17.090W PF:0.9428 Freq:60.00Hz Lamp Flux:1266.03x1 lm		
NAME: ASD-UCS-32D16CC	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	.90	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.40	.32	.26	.39	.31	.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-32G

WEC AND CCEC

Test:U:120.04V I:0.1510A P:17.090W PF:0.9428 Freq:60.00Hz		
Lamp Flux:1266.03x1 lm		
NAME: ASD-UCS-32D16CC	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	.310	.176	.056	.303	.173	.055	.289	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.292	.160	.049	.285	.157	.048	.274	.152	.047	.263	.147	.046	.253	.143	.045	
3.0	.270	.144	.043	.264	.142	.043	.254	.138	.042	.244	.134	.041	.236	.130	.040	
4.0	.249	.130	.038	.244	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.230	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.202	.104	.030	.196	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.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	.116	.106	.093	.080	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.085	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.042	.089	.055	.029	.051	.032	.017	.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	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.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-32G

UGR(Unified Glare Rating) Table

Test:U:120.04V I:0.1510A P:17.090W PF:0.9428 Freq:60.00Hz		
Lamp Flux:1266.03x1 lm		
NAME: ASD-UCS-32D16CC	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	21.9	23.4	22.2	23.6	23.8	21.6	23.1	21.8	23.3	23.5
3H	23.5	24.9	23.8	25.1	25.3	23.0	24.4	23.3	24.7	24.9
4H	24.1	25.4	24.4	25.7	25.9	23.6	24.9	23.9	25.2	25.5
6H	24.5	25.8	24.8	26.0	26.3	24.0	25.3	24.3	25.5	25.8
8H	24.6	25.8	25.0	26.1	26.4	24.1	25.3	24.5	25.6	25.9
12H	24.7	25.9	25.0	26.1	26.5	24.2	25.3	24.5	25.6	25.9
4H 2H	22.5	23.8	22.8	24.1	24.3	22.2	23.5	22.5	23.8	24.1
3H	24.2	25.4	24.6	25.7	26.0	23.9	25.0	24.2	25.3	25.6
4H	25.0	26.0	25.3	26.4	26.7	24.6	25.6	24.9	26.0	26.3
6H	25.5	26.5	25.9	26.8	27.2	25.1	26.0	25.5	26.4	26.7
8H	25.7	26.6	26.1	26.9	27.3	25.2	26.1	25.6	26.5	26.9
12H	25.8	26.6	26.2	27.0	27.4	25.3	26.1	25.8	26.5	26.9
8H 4H	25.2	26.1	25.6	26.5	26.8	24.8	25.7	25.3	26.1	26.5
6H	25.9	26.6	26.3	27.0	27.5	25.5	26.2	25.9	26.6	27.1
8H	26.2	26.8	26.6	27.2	27.7	25.7	26.4	26.2	26.8	27.3
12H	26.3	26.9	26.8	27.3	27.8	25.9	26.5	26.4	26.9	27.4
12H 4H	25.2	26.0	25.6	26.4	26.8	24.9	25.7	25.3	26.1	26.5
6H	25.9	26.6	26.4	27.0	27.5	25.6	26.2	26.0	26.6	27.1
8H	26.2	26.8	26.7	27.2	27.7	25.8	26.4	26.3	26.8	27.3
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, 1266 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.8)  
 Area: 0.024397 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-32G

**UTILIZATION FACTORS TABLE**

Test:U:120.04V I:0.1510A P:17.090W PF:0.9428 Freq:60.00Hz Lamp Flux:1266.03x1 lm		
NAME: ASD-UCS-32D16CC	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

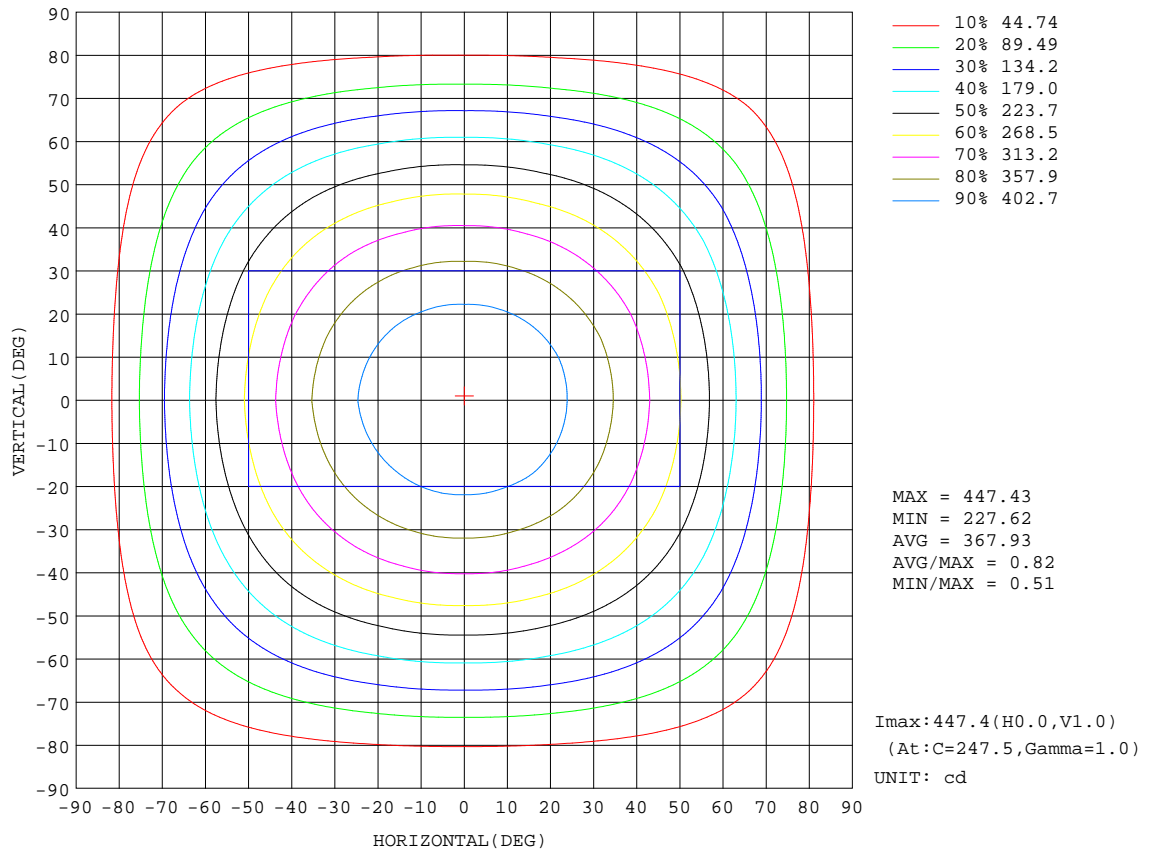
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	57	46	39	56	45	39	32
0.80	68	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	50
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	70	62
2.00	95	86	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	94	100	95	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

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-32G

**ISOCANDELA DIAGRAM**

Test:U:120.04V I:0.1510A P:17.090W PF:0.9428 Freq:60.00Hz Lamp Flux:1266.03x1 lm		
NAME: ASD-UCS-32D16CC	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

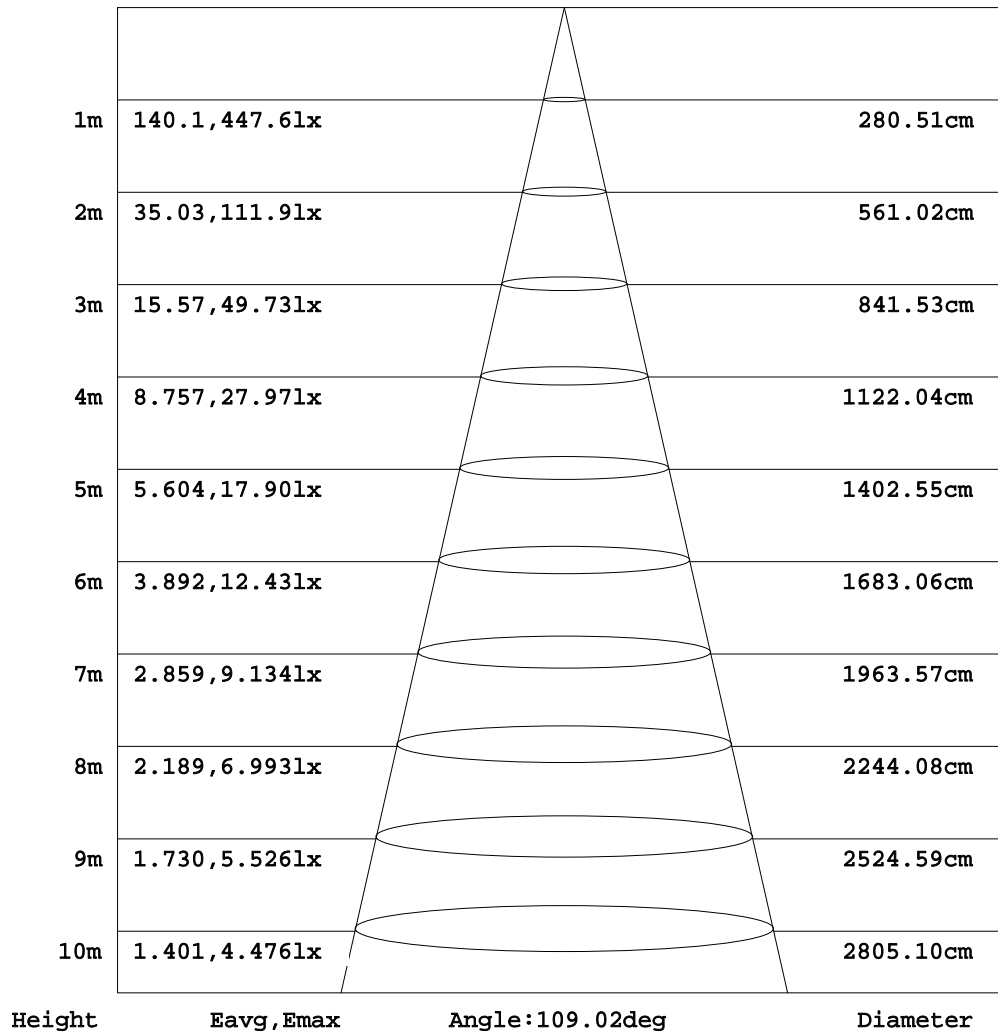
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity: 50%  
 Test Distance: 2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-32G



**AAI Figure**

Test:U:120.04V I:0.1510A P:17.090W PF:0.9428 Freq:60.00Hz Lamp Flux:1266.03x1 lm		
NAME: ASD-UCS-32D16CC	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:897.8 lm



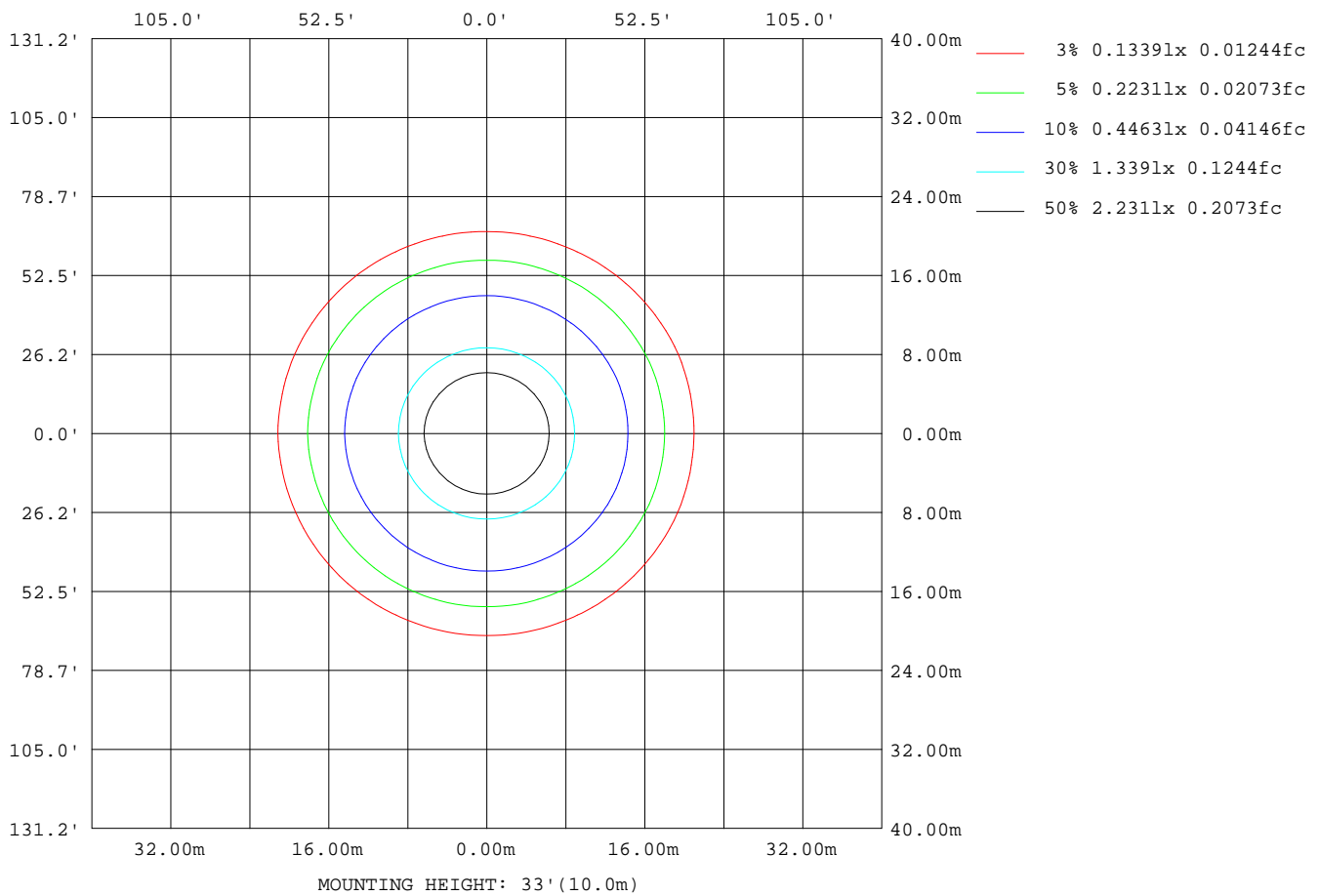
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-32G

**ISOLUX DIAGRAM**

Test:U:120.04V I:0.1510A P:17.090W PF:0.9428 Freq:60.00Hz Lamp Flux:1266.03x1 lm		
NAME: ASD-UCS-32D16CC	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-32G

LED Avg.L Report

Test:U:120.04V I:0.1510A P:17.090W PF:0.9428 Freq:60.00Hz Lamp Flux:1266.03x1 lm		
NAME: ASD-UCS-32D16CC	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

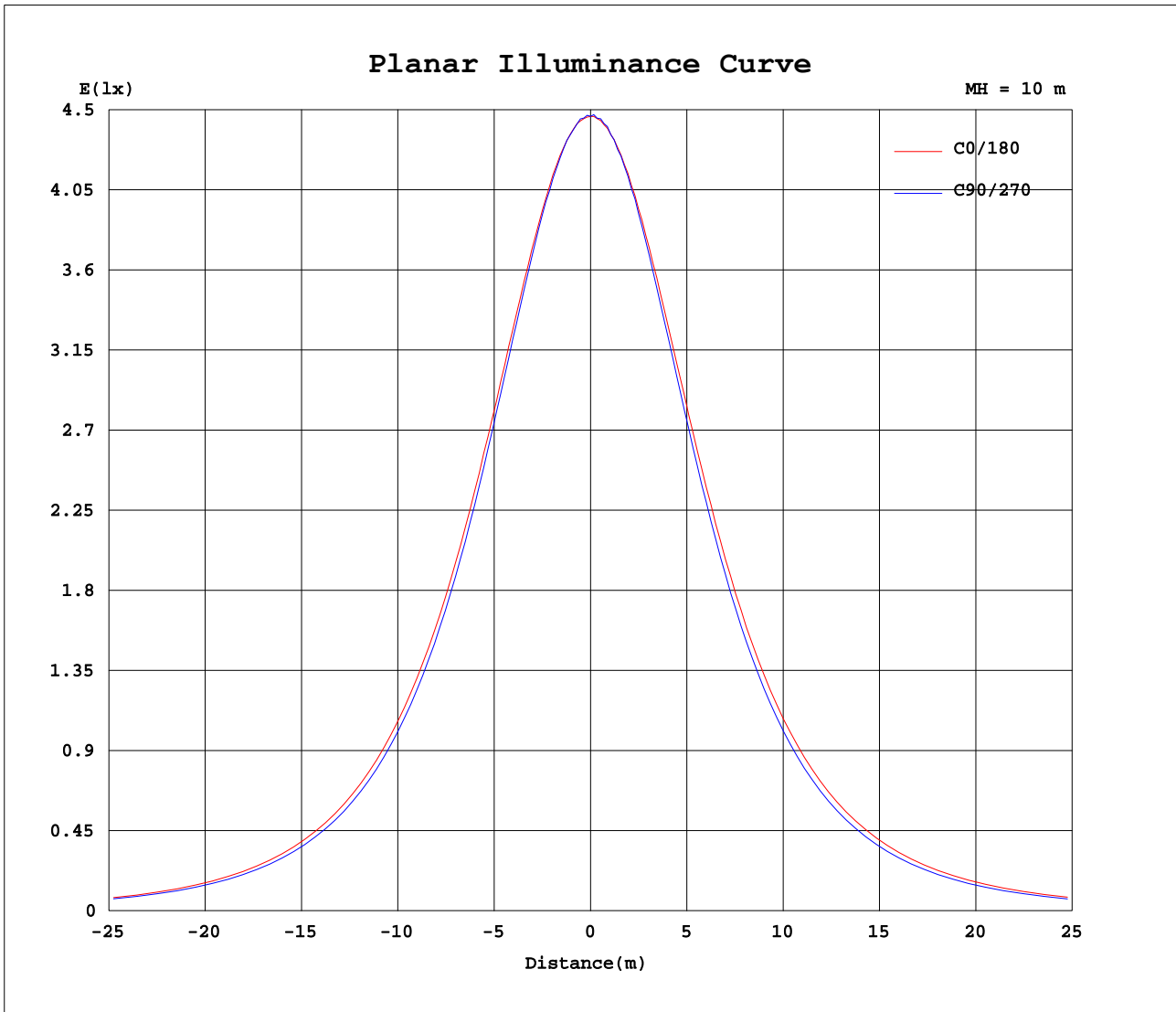
AvgL	cd/m2
L_0~180 (65) av	16154
L_0~180 (75) av	14203
L_0~180 (85) av	10681
L_90~270 (65) av	14529
L_90~270 (75) av	12408
L_90~270 (85) av	8280
L_45 (65) av	15323
L_45 (75) av	13309
L_45 (85) av	9348

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-32G

**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-32G

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.04V I:0.1510A P:17.090W PF:0.9428 Freq:60.00Hz Lamp Flux:1266.03x1 lm		
NAME: ASD-UCS-32D16CC	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	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446			
5	444	444	445	445	444	445	444	444	445	444	445	445	446	445	445	445			
10	438	438	438	437	437	438	437	439	439	438	438	437	438	438	438	438			
15	429	428	428	426	426	426	427	428	430	429	428	426	426	427	429	430			
20	415	414	413	411	409	411	413	415	417	416	414	411	410	412	413	416			
25	399	398	395	391	390	391	394	398	402	400	397	393	391	392	396	399			
30	379	377	374	369	368	369	373	377	383	380	375	370	368	370	374	378			
35	356	354	349	344	342	344	349	354	359	357	352	346	344	345	350	355			
40	330	327	322	317	315	317	322	329	334	332	325	318	316	317	323	329			
45	301	298	292	287	285	287	293	300	306	302	296	289	286	288	294	300			
50	270	267	261	255	253	256	263	269	275	272	265	258	254	255	262	269			
55	237	234	228	222	220	222	229	236	242	239	231	224	221	223	229	236			
60	201	199	193	188	186	188	194	200	206	203	196	189	186	188	194	201			
65	164	163	157	152	150	152	158	163	169	166	159	152	150	151	158	164			
70	126	125	121	116	114	116	121	125	130	127	121	115	113	115	120	126			
75	87.5	86.9	84.1	80.7	79.3	80.6	84.3	87.7	91.9	89.5	84.5	79.7	77.4	79.0	83.3	88.1			
80	51.6	51.6	49.9	47.6	46.7	47.8	50.3	52.5	56.1	54.2	50.2	46.5	44.6	45.7	49.1	53.0			
85	20.6	20.8	19.9	18.8	18.4	19.1	20.5	21.9	24.9	23.4	20.1	18.0	16.8	17.4	18.9	22.0			
90	0.13	0.08	0.07	0.07	0.07	0.07	0.08	2.30	1.19	0.54	0.05	0.03	0.02	0.02	0.03	0.12			
95	0.10	0.12	0.13	0.09	0.08	0.08	0.11	0.11	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03			
100	0.11	0.12	0.13	0.12	0.12	0.12	0.12	0.12	0.05	0.04	0.05	0.05	0.05	0.05	0.04	0.04			
105	0.12	0.13	0.13	0.13	0.12	0.12	0.13	0.12	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06			
110	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07			
115	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09			
120	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.12	0.11	0.12	0.11	0.11	0.11	0.11	0.11			
125	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.22	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13			
130	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.27	0.17	0.16	0.16	0.16	0.16	0.16	0.15	0.16			
135	0.32	0.33	0.34	0.34	0.35	0.35	0.34	0.32	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.19			
140	0.41	0.42	0.45	0.45	0.45	0.45	0.44	0.41	0.22	0.21	0.22	0.22	0.21	0.21	0.21	0.22			
145	0.49	0.52	0.56	0.58	0.58	0.57	0.55	0.50	0.24	0.24	0.25	0.26	0.26	0.25	0.25	0.26			
150	0.57	0.61	0.65	0.67	0.67	0.67	0.63	0.59	0.27	0.26	0.28	0.28	0.29	0.28	0.28	0.29			
155	0.66	0.70	0.73	0.75	0.76	0.75	0.71	0.68	0.30	0.29	0.32	0.32	0.31	0.32	0.31	0.34			
160	0.72	0.75	0.77	0.80	0.79	0.80	0.76	0.72	0.37	0.36	0.36	0.36	0.35	0.36	0.35	0.38			
165	0.73	0.74	0.76	0.78	0.79	0.77	0.76	0.72	0.41	0.41	0.39	0.40	0.38	0.39	0.38	0.41			
170	0.70	0.71	0.72	0.71	0.71	0.70	0.71	0.71	0.46	0.46	0.44	0.43	0.41	0.39	0.41	0.44			
175	0.67	0.66	0.66	0.65	0.64	0.64	0.66	0.66	0.52	0.52	0.50	0.47	0.46	0.44	0.46	0.49			
180	0.59	0.58	0.55	0.54	0.53	0.55	0.58	0.60	0.59	0.60	0.58	0.56	0.55	0.54	0.55	0.58			

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-32G