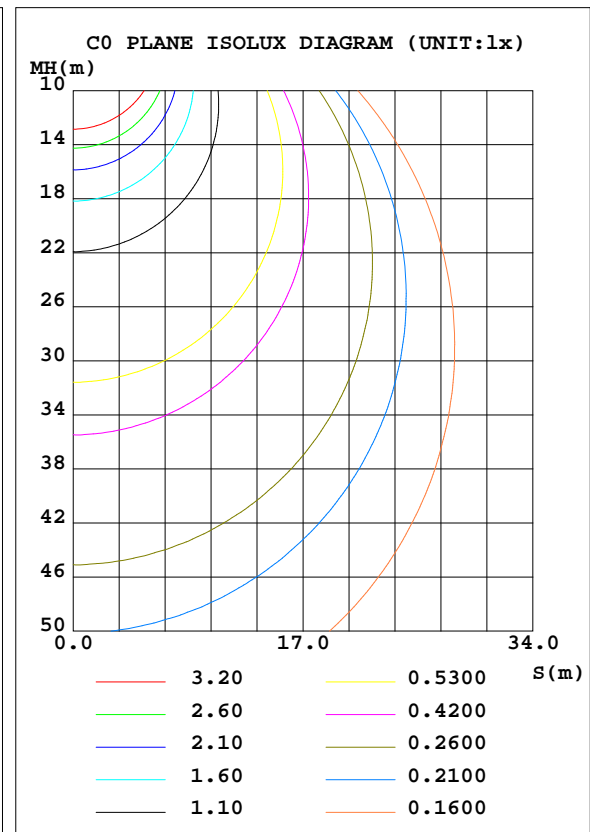
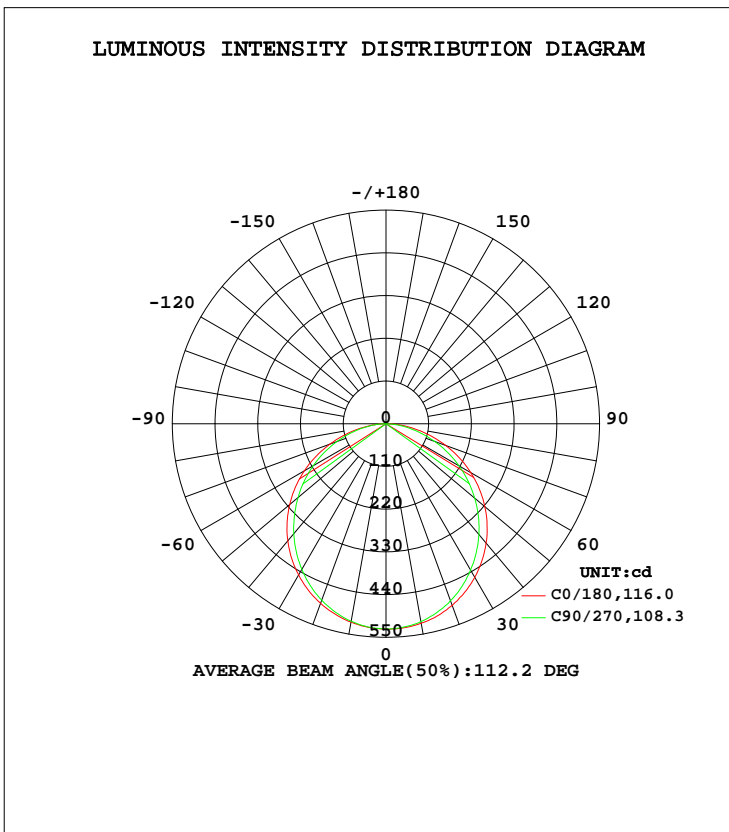


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:120.10V I:0.1819A P:20.480W PF:0.9375 Freq:60.00Hz Lamp Flux:1510.28x1 lm		
NAME: ASD-UCS-40D20CC	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: 73.74 lm/W			
MODEL	ASD-UCS-40D20CC	I <sub>max</sub> (cd)	529.2	S/MH(C0/180)	1.28
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1510.3	η UP, DN(C0-180)	0.1,49.7
NOMINAL FLUX(lm)	1510.28	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-40G

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	518.6	517.8	516.4	518.5	521.6	519.7	517.4	518.3	0- 10	49.98	49.98	3.31,3.31
20	492.0	488.0	483.5	489.3	498.1	492.2	485.3	488.9	10- 20	142.9	192.9	12.8,12.8
30	449.9	441.4	433.1	443.3	456.7	447.1	435.2	442.5	20- 30	216.0	408.9	27.1,27.1
40	393.2	380.5	369.3	383.0	401.1	387.4	372.5	382.3	30- 40	259.8	668.7	44.3,44.3
50	323.5	308.7	295.8	311.9	332.3	315.1	298.6	310.9	40- 50	269.2	937.9	62.1,62.1
60	243.0	228.7	216.6	232.0	252.5	233.9	217.3	230.3	50- 60	243.7	1182	78.2,78.2
70	153.9	143.9	134.8	146.8	163.8	147.4	133.2	144.2	60- 70	187.1	1369	90.6,90.6
80	66.04	61.73	57.53	64.42	74.05	63.55	54.52	60.94	70- 80	109.2	1478	97.9,97.9
90	3.073	0.0873	0.0824	2.907	2.472	0.0438	0.0303	0.0415	80- 90	30.65	1509	99.9,99.9
100	0.1311	0.1395	0.1376	0.1401	0.0580	0.0599	0.0581	0.0564	90-100	0.1476	1509	99.9,99.9
110	0.1601	0.1646	0.1685	0.1658	0.0933	0.0975	0.0915	0.0888	100-110	0.1181	1509	99.9,99.9
120	0.2141	0.2205	0.2266	0.2242	0.1403	0.1404	0.1315	0.1297	110-120	0.1501	1509	99.9,99.9
130	0.3098	0.3196	0.3381	0.3250	0.2006	0.1971	0.1839	0.1848	120-130	0.1929	1509	99.9,99.9
140	0.4795	0.5271	0.5403	0.5142	0.2540	0.2615	0.2543	0.2526	130-140	0.2423	1509	99.9,99.9
150	0.6608	0.7660	0.8049	0.7366	0.3129	0.3332	0.3405	0.3353	140-150	0.2915	1510	100,100
160	0.8508	0.9039	0.9311	0.8899	0.4382	0.4282	0.4244	0.4298	150-160	0.2786	1510	100,100
170	0.8180	0.8472	0.8483	0.8347	0.5402	0.5096	0.4753	0.4999	160-170	0.1915	1510	100,100
180	0.7103	0.6746	0.6492	0.6917	0.7093	0.6927	0.6483	0.6589	170-180	0.0642	1510	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 804.31 lm

%lum = 53.3%  
 %lamp = 53.3%

Conical surface Flux(120deg): 1181.6 lm

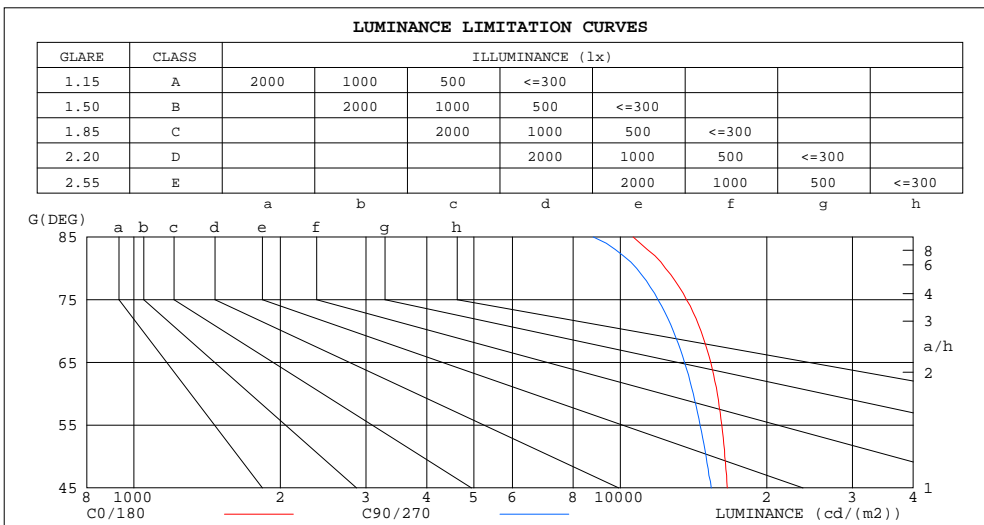
%lum = 78.2%  
 %lamp = 78.2%

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-40G

**LUMINANCE LIMITATION CURVES**

Test:U:120.10V I:0.1819A P:20.480W PF:0.9375 Freq:60.00Hz Lamp Flux:1510.28x1 lm		
NAME: ASD-UCS-40D20CC	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	10622	8800
80	12388	10805
75	13673	11953
70	14657	12853
65	15342	13548
60	15832	14125
55	16173	14590
50	16393	15006
45	16592	15376

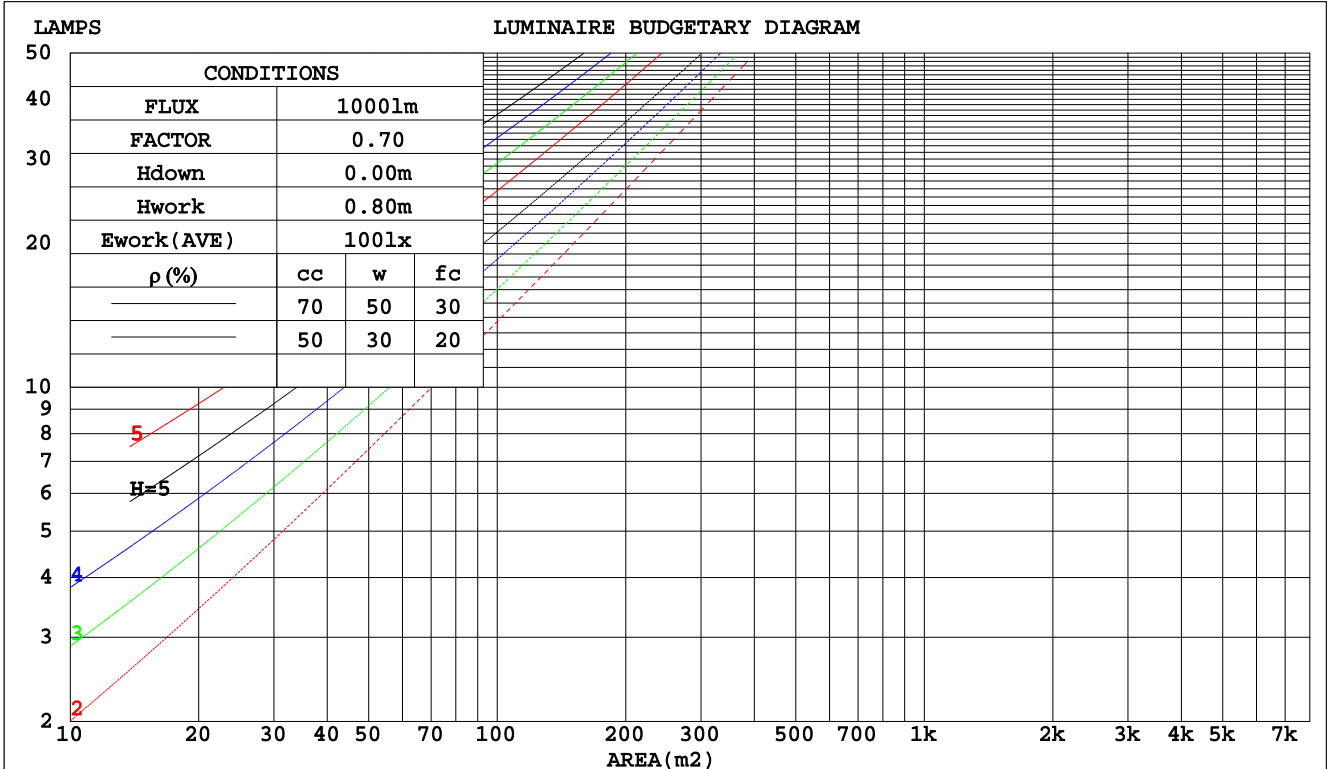
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Water  
 Test Date: 2023-09-08

$\gamma$  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-40G

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.1819A P:20.480W PF:0.9375 Freq:60.00Hz Lamp Flux:1510.28x1 lm		
NAME: ASD-UCS-40D20CC	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	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.52	.62	.56	.52	.50
5.0	.63	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.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-40G

WEC AND CCEC

Test:U:120.10V I:0.1819A P:20.480W PF:0.9375 Freq:60.00Hz		
Lamp Flux:1510.28x1 lm		
NAME: ASD-UCS-40D20CC	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	.313	.178	.056	.305	.174	.055	.292	.168	.054	.280	.161	.052	.269	.156	.050	
2.0	.294	.161	.049	.287	.158	.049	.276	.153	.048	.265	.148	.046	.255	.144	.045	
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.246	.135	.041	.237	.131	.041	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.219	.114	.033	.211	.111	.033	.204	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.172	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.161	.078	.022	.157	.077	.022	.152	.076	.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	.164	.164	.164	.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	.059	.059	.046	.035	.019	.015	.011	
3.0	.166	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.136	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.048	.129	.079	.042	.089	.055	.029	.052	.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-40G

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.1819A P:20.480W PF:0.9375 Freq:60.00Hz										
Lamp Flux:1510.28x1 lm										
NAME: ASD-UCS-40D20CC					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	21.1	22.7	21.4	22.9	23.1	20.6	22.2	20.9	22.4	22.6
3H	22.7	24.1	23.0	24.4	24.6	22.1	23.5	22.4	23.8	24.0
4H	23.4	24.7	23.7	25.0	25.2	22.7	24.1	23.0	24.3	24.6
6H	23.8	25.1	24.2	25.4	25.7	23.1	24.4	23.5	24.7	25.0
8H	24.0	25.2	24.3	25.5	25.8	23.3	24.5	23.6	24.8	25.1
12H	24.1	25.2	24.4	25.5	25.8	23.3	24.5	23.7	24.8	25.1
4H 2H	21.7	23.0	22.0	23.3	23.5	21.3	22.6	21.6	22.9	23.2
3H	23.5	24.7	23.8	24.9	25.3	23.0	24.1	23.3	24.4	24.7
4H	24.2	25.3	24.6	25.6	26.0	23.7	24.8	24.1	25.1	25.4
6H	24.8	25.8	25.2	26.2	26.5	24.2	25.2	24.6	25.5	25.9
8H	25.1	25.9	25.5	26.3	26.7	24.4	25.3	24.8	25.7	26.1
12H	25.2	26.0	25.6	26.4	26.8	24.5	25.4	25.0	25.7	26.1
8H 4H	24.5	25.4	24.9	25.8	26.1	24.0	24.9	24.4	25.3	25.6
6H	25.2	26.0	25.7	26.4	26.8	24.7	25.4	25.1	25.8	26.3
8H	25.5	26.2	26.0	26.6	27.1	25.0	25.6	25.4	26.0	26.5
12H	25.8	26.3	26.2	26.8	27.3	25.1	25.7	25.6	26.2	26.6
12H 4H	24.5	25.3	24.9	25.7	26.1	24.0	24.8	24.4	25.2	25.6
6H	25.3	26.0	25.8	26.4	26.8	24.8	25.4	25.2	25.9	26.3
8H	25.6	26.2	26.1	26.6	27.1	25.1	25.6	25.6	26.1	26.6
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					+ 0.1 / - 0.3				

CIE Pub.117, 1510 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.4)  
 Area: 0.03069 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-40G

**UTILIZATION FACTORS TABLE**

Test:U:120.10V I:0.1819A P:20.480W PF:0.9375 Freq:60.00Hz Lamp Flux:1510.28x1 lm		
NAME: ASD-UCS-40D20CC	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

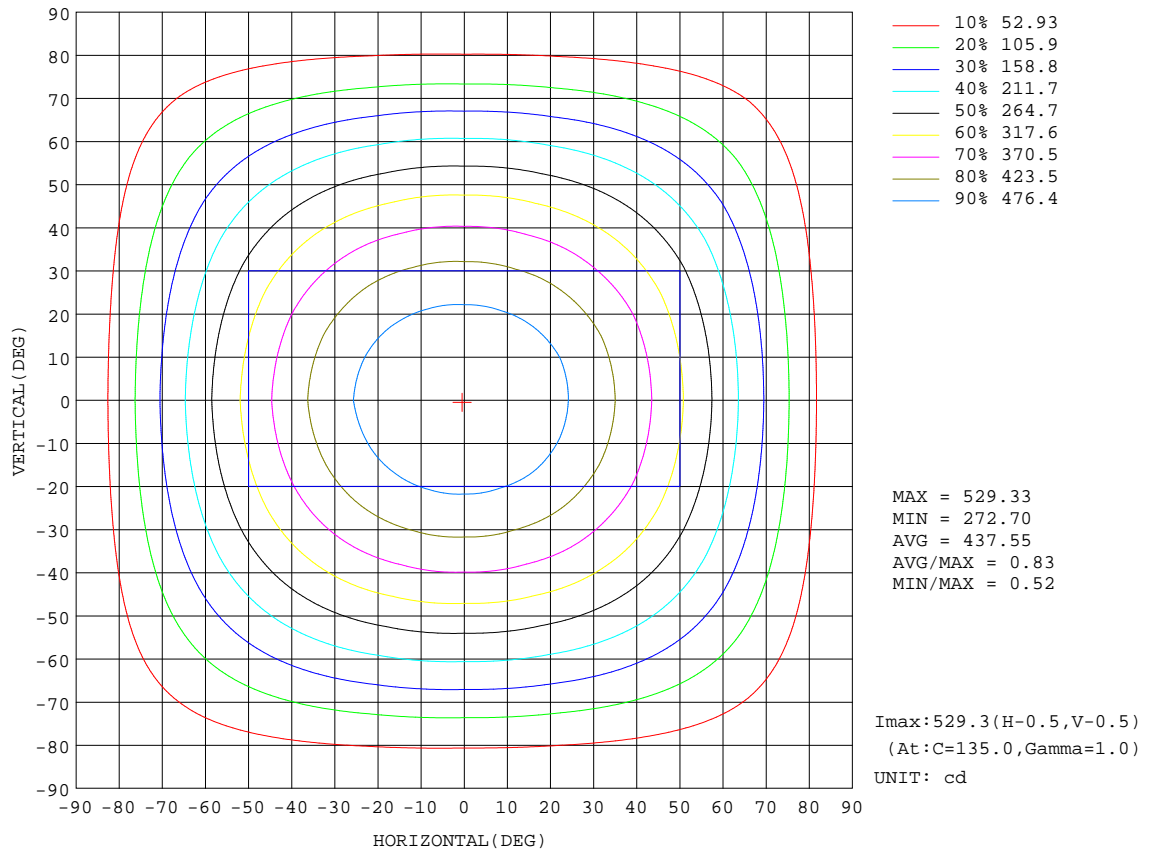
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	88	96	91	86	78
4.00	106	100	96	104	99	94	99	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-40G

**ISOCANDELA DIAGRAM**

Test:U:120.10V I:0.1819A P:20.480W PF:0.9375 Freq:60.00Hz Lamp Flux:1510.28x1 lm		
NAME: ASD-UCS-40D20CC	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



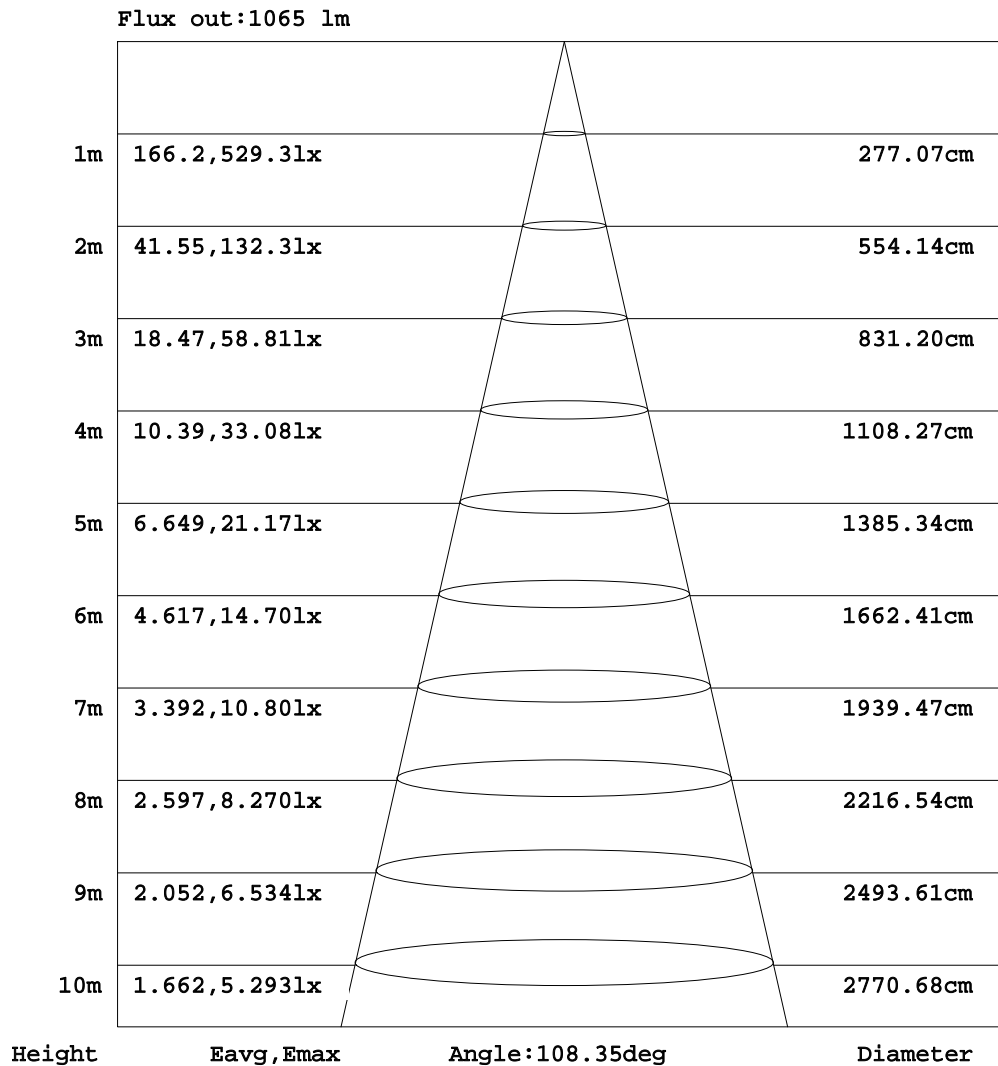
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Water  
 Test Date: 2023-09-08

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-40G



**AAI Figure**

Test:U:120.10V I:0.1819A P:20.480W PF:0.9375 Freq:60.00Hz Lamp Flux:1510.28x1 lm		
NAME: ASD-UCS-40D20CC	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



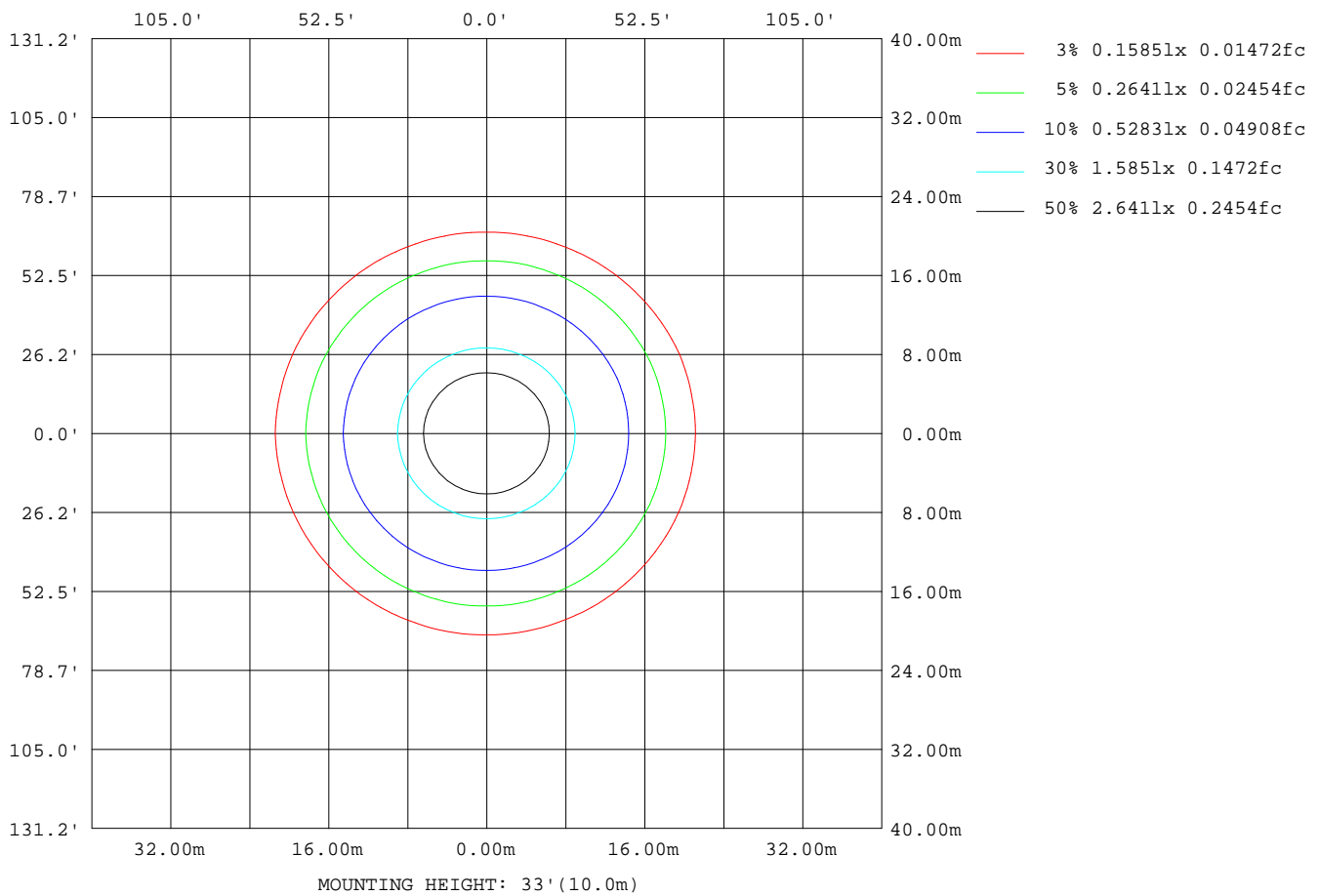
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-40G

**ISOLUX DIAGRAM**

Test:U:120.10V I:0.1819A P:20.480W PF:0.9375 Freq:60.00Hz Lamp Flux:1510.28x1 lm		
NAME: ASD-UCS-40D20CC	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-40G

LED Avg.L Report

Test:U:120.10V I:0.1819A P:20.480W PF:0.9375 Freq:60.00Hz Lamp Flux:1510.28x1 lm		
NAME: ASD-UCS-40D20CC	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

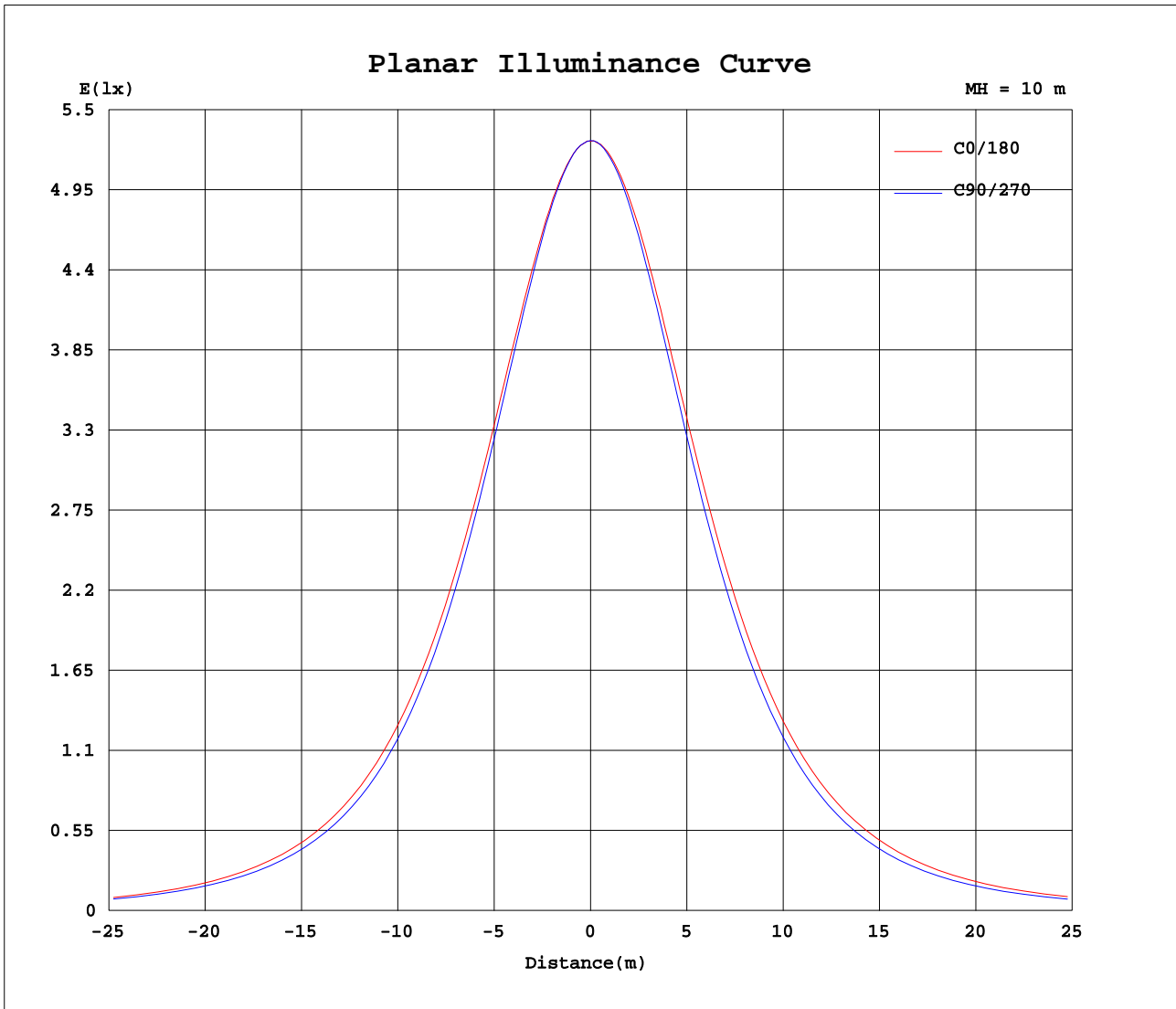
AvgL	cd/m2
L_0~180(65)av	15727
L_0~180(75)av	14251
L_0~180(85)av	11892
L_90~270(65)av	13533
L_90~270(75)av	11785
L_90~270(85)av	8327
L_45(65)av	14542
L_45(75)av	12934
L_45(85)av	9867

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-40G

**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-40G

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.1819A P:20.480W PF:0.9375 Freq:60.00Hz Lamp Flux:1510.28x1 lm		
NAME: ASD-UCS-40D20CC	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	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528	528			
5	526	526	526	525	525	526	527	527	527	527	527	526	525	526	526	527			
10	519	518	518	517	516	517	518	520	522	521	520	518	517	518	518	519			
15	508	507	505	503	502	505	506	509	512	511	508	506	504	505	506	508			
20	492	491	488	485	483	486	489	493	498	497	492	487	485	486	489	492			
25	473	471	468	463	460	463	468	474	479	477	471	466	463	464	468	473			
30	450	447	441	435	433	436	443	451	457	454	447	440	435	437	442	449			
35	424	420	413	406	403	406	415	424	431	427	419	410	405	408	414	422			
40	393	389	380	372	369	374	383	393	401	397	387	378	373	375	382	391			
45	360	356	346	336	333	338	349	360	368	363	352	341	337	339	348	358			
50	324	319	309	299	296	301	312	324	332	327	315	304	299	302	311	321			
55	285	280	269	260	257	262	273	285	294	288	275	264	258	262	271	282			
60	243	239	229	220	217	221	232	244	253	246	234	222	217	221	230	242			
65	199	195	186	178	176	180	190	200	209	203	191	180	175	178	187	198			
70	154	151	144	137	135	139	147	156	164	158	147	137	133	136	144	154			
75	109	107	102	96.5	94.9	98.0	104	111	118	113	104	95.8	92.4	94.6	101	108			
80	66.0	65.3	61.7	58.6	57.5	60.5	64.4	68.9	74.1	70.4	63.5	57.3	54.5	56.2	60.9	66.6			
85	28.4	28.1	26.1	24.1	23.5	25.1	28.0	30.9	35.2	32.4	26.5	22.3	21.0	21.4	25.0	29.4			
90	3.07	2.94	0.09	0.08	0.08	2.50	2.91	3.61	2.47	0.62	0.04	0.03	0.03	0.03	0.04	0.08			
95	0.12	0.13	0.13	0.10	0.10	0.10	0.14	0.13	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
100	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06			
105	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07			
110	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.16	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09			
115	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.11	0.11	0.12	0.11	0.11	0.11	0.11	0.11			
120	0.21	0.22	0.22	0.22	0.23	0.22	0.22	0.22	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13			
125	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.26	0.17	0.17	0.17	0.16	0.16	0.15	0.16	0.16			
130	0.31	0.32	0.32	0.33	0.34	0.33	0.33	0.31	0.20	0.20	0.20	0.20	0.18	0.19	0.18	0.19			
135	0.38	0.39	0.40	0.41	0.42	0.41	0.40	0.37	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.23			
140	0.48	0.50	0.53	0.53	0.54	0.54	0.51	0.48	0.25	0.25	0.26	0.26	0.25	0.25	0.25	0.26			
145	0.59	0.61	0.67	0.69	0.69	0.68	0.64	0.58	0.29	0.29	0.30	0.31	0.30	0.31	0.30	0.30			
150	0.66	0.71	0.77	0.80	0.80	0.80	0.74	0.67	0.31	0.31	0.33	0.33	0.34	0.34	0.34	0.34			
155	0.77	0.82	0.86	0.89	0.91	0.88	0.83	0.79	0.36	0.34	0.38	0.37	0.37	0.39	0.38	0.40			
160	0.85	0.88	0.90	0.95	0.93	0.94	0.89	0.84	0.44	0.43	0.43	0.42	0.42	0.43	0.43	0.46			
165	0.85	0.88	0.89	0.92	0.94	0.91	0.89	0.85	0.49	0.48	0.46	0.46	0.45	0.47	0.46	0.50			
170	0.82	0.83	0.85	0.85	0.85	0.83	0.83	0.82	0.54	0.54	0.51	0.49	0.48	0.47	0.50	0.53			
175	0.79	0.79	0.79	0.78	0.77	0.76	0.79	0.79	0.61	0.61	0.59	0.56	0.54	0.53	0.56	0.60			
180	0.71	0.69	0.67	0.65	0.65	0.66	0.69	0.71	0.71	0.71	0.69	0.67	0.65	0.65	0.66	0.70			

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-40G