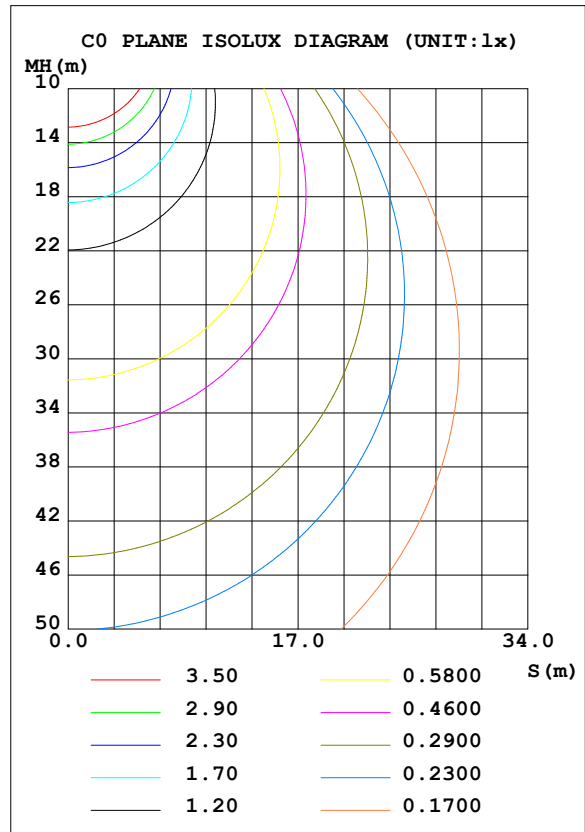
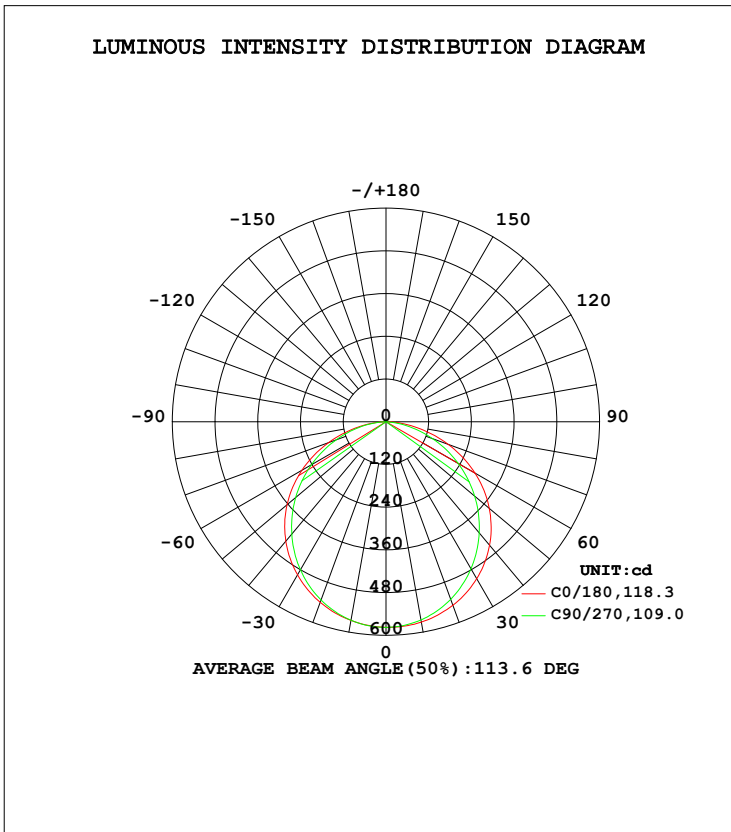


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:120.03V I:0.2042A P:23.210W PF:0.9470 Freq:60.00Hz Lamp Flux:1667.13x1 lm		
NAME: ASD-UCS-48D24CC	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			
MODEL	ASD-UCS-48D24CC	Imax (cd)	578.1	S/MH (C0/180)	1.31
NOMINAL POWER (W)	24	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1667.1	η UP, DN (C0-180)	0.1, 50.2
NOMINAL FLUX (lm)	1667.13	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.7
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: 2023-09-09

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-48G

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	566.8	566.9	566.2	568.9	571.4	568.9	565.5	566.1	0- 10	54.65	54.65	3.28,3.28
20	540.0	536.6	533.1	540.8	548.6	540.5	531.0	534.4	10- 20	156.7	211.3	12.7,12.7
30	496.7	488.5	480.4	493.9	509.3	493.6	477.1	485.3	20- 30	238.0	449.4	27,27
40	437.8	424.7	411.7	430.7	452.6	429.6	407.5	420.4	30- 40	288.2	737.6	44.2,44.2
50	363.0	346.5	331.3	353.0	378.8	350.9	325.3	341.5	40- 50	300.4	1038	62.3,62.3
60	272.8	256.7	242.3	262.9	288.8	259.6	234.4	250.9	50- 60	272.4	1310	78.6,78.6
70	171.6	160.1	149.1	165.0	185.8	160.3	139.7	153.4	60- 70	207.7	1518	91.1,91.1
80	71.48	66.86	61.47	69.92	80.89	63.91	51.10	59.60	70- 80	118.2	1636	98.2,98.2
90	0.1811	0.2234	0.3425	0.2789	0.3963	0.0383	0.0361	0.0382	80- 90	29.07	1665	99.9,99.9
100	0.1461	0.1347	0.1301	0.1347	0.0599	0.0667	0.0619	0.0618	90-100	0.1083	1665	99.9,99.9
110	0.1708	0.1699	0.1696	0.1723	0.0974	0.1074	0.0991	0.0979	100-110	0.1234	1666	99.9,99.9
120	0.2366	0.2338	0.2340	0.2370	0.1538	0.1561	0.1434	0.1431	110-120	0.1605	1666	99.9,99.9
130	0.3362	0.3420	0.3565	0.3469	0.2188	0.2169	0.2020	0.2045	120-130	0.2086	1666	99.9,99.9
140	0.5107	0.5633	0.5732	0.5485	0.2766	0.2796	0.2803	0.2806	130-140	0.2620	1666	99.9,99.9
150	0.7119	0.8276	0.8572	0.7999	0.3388	0.3440	0.3704	0.3637	140-150	0.3125	1667	100,100
160	0.8979	0.9631	1.011	0.9431	0.4677	0.4471	0.4634	0.4669	150-160	0.3001	1667	100,100
170	0.8809	0.9007	0.9111	0.9006	0.5809	0.5397	0.5072	0.5332	160-170	0.2052	1667	100,100
180	0.7649	0.7200	0.7066	0.7484	0.7643	0.7455	0.6957	0.7072	170-180	0.0690	1667	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 888.75 lm

%lum = 53.3%  
 %lamp = 53.3%

Conical surface Flux(120deg): 1310.4 lm

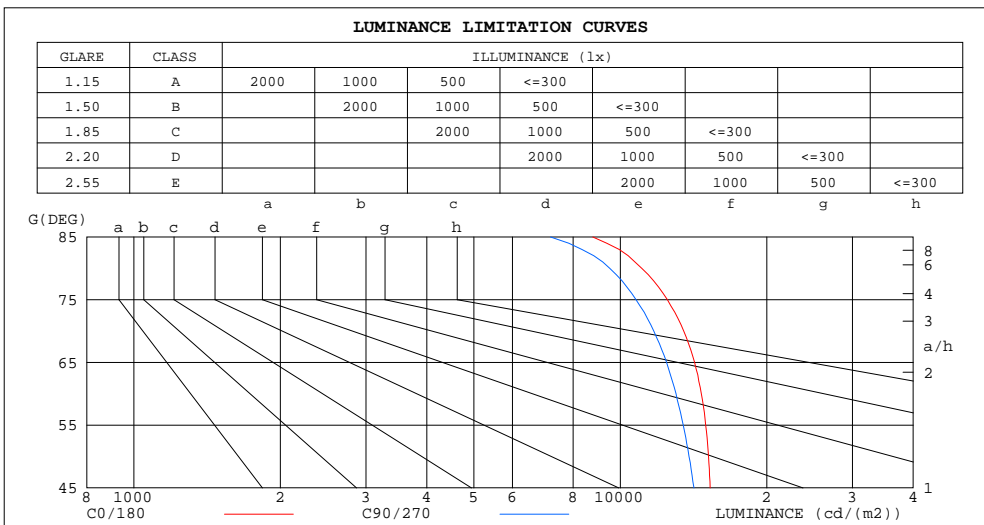
%lum = 78.6%  
 %lamp = 78.6%

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

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-48G

**LUMINANCE LIMITATION CURVES**

Test:U:120.03V I:0.2042A P:23.210W PF:0.9470 Freq:60.00Hz Lamp Flux:1667.13x1 lm		
NAME: ASD-UCS-48D24CC	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	8776	7189
80	11070	9511
75	12494	10771
70	13496	11714
65	14214	12445
60	14671	13022
55	14978	13465
50	15187	13847
45	15292	14166

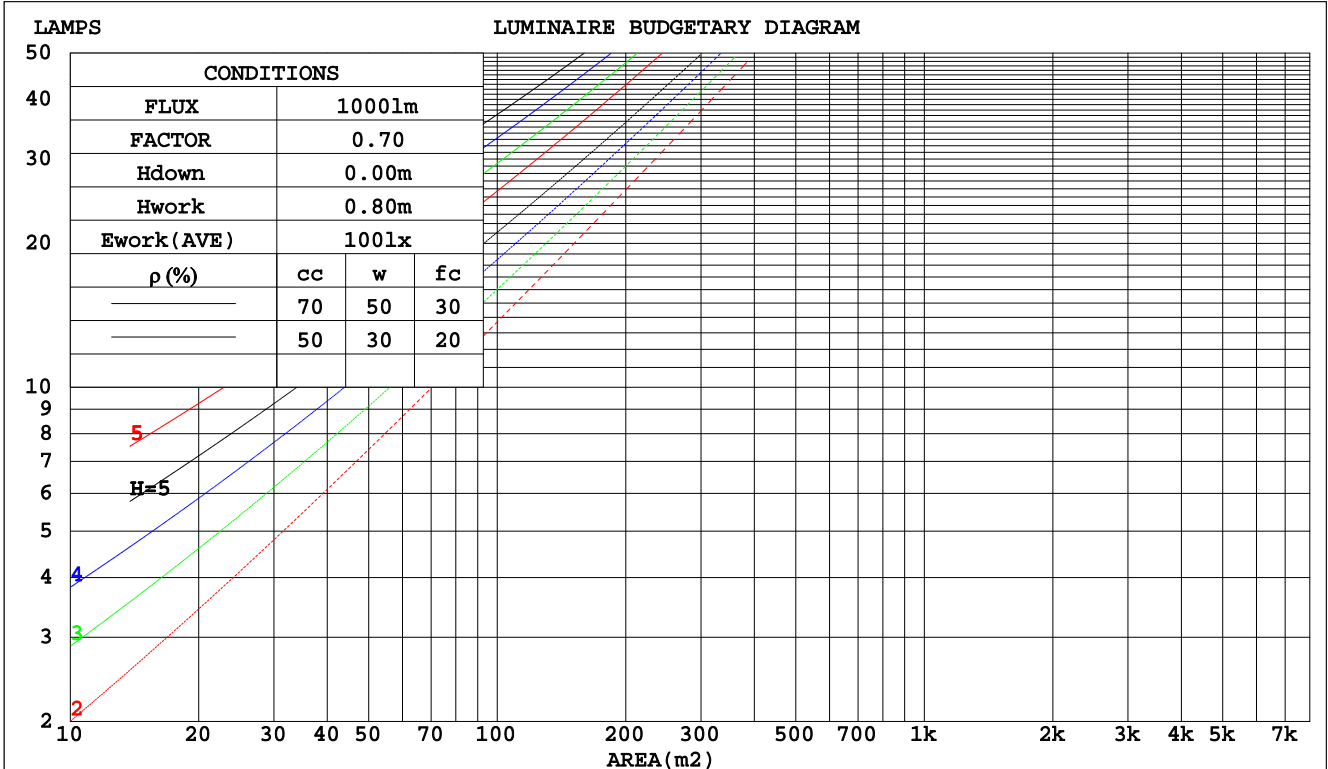
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 24.9DEG  
 Operators: Water  
 Test Date: 2023-09-09

$\gamma$  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-48G

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.03V I:0.2042A P:23.210W PF:0.9470 Freq:60.00Hz Lamp Flux:1667.13x1 lm		
NAME: ASD-UCS-48D24CC	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	.88	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.54	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.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:2023-09-09

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-48G

WEC AND CCEC

Test:U:120.03V I:0.2042A P:23.210W PF:0.9470 Freq:60.00Hz		
Lamp Flux:1667.13x1 lm		
NAME: ASD-UCS-48D24CC	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	.309	.176	.056	.302	.172	.055	.289	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.292	.160	.049	.286	.157	.048	.274	.152	.047	.263	.148	.046	.253	.143	.045	
3.0	.270	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040	
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	.218	.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	.089	.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	.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	.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	.012	.015	.009	.004	
8.0	.130	.070	.029	.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:2023-09-09

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-48G

UGR(Unified Glare Rating) Table

Test:U:120.03V I:0.2042A P:23.210W PF:0.9470 Freq:60.00Hz										
Lamp Flux:1667.13x1 lm										
NAME: ASD-UCS-48D24CC				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	20.6	22.1	20.9	22.3	22.5	20.1	21.6	20.3	21.8	22.0
3H	22.2	23.6	22.5	23.8	24.1	21.5	22.9	21.8	23.2	23.4
4H	22.8	24.1	23.1	24.4	24.7	22.1	23.4	22.4	23.7	23.9
6H	23.2	24.5	23.6	24.8	25.1	22.5	23.8	22.8	24.0	24.3
8H	23.4	24.6	23.7	24.9	25.2	22.6	23.8	22.9	24.1	24.4
12H	23.4	24.6	23.8	24.9	25.2	22.7	23.8	23.0	24.1	24.4
4H 2H	21.1	22.5	21.5	22.7	23.0	20.7	22.1	21.0	22.3	22.6
3H	22.9	24.1	23.3	24.4	24.7	22.4	23.5	22.7	23.8	24.1
4H	23.7	24.8	24.1	25.1	25.4	23.1	24.1	23.4	24.5	24.8
6H	24.3	25.2	24.7	25.6	25.9	23.6	24.5	24.0	24.9	25.2
8H	24.4	25.3	24.9	25.7	26.1	23.7	24.6	24.2	25.0	25.4
12H	24.6	25.4	25.0	25.8	26.2	23.8	24.6	24.3	25.0	25.4
8H 4H	23.9	24.8	24.3	25.2	25.6	23.4	24.2	23.8	24.6	25.0
6H	24.6	25.4	25.1	25.8	26.2	24.0	24.8	24.5	25.2	25.6
8H	24.9	25.6	25.4	26.0	26.4	24.3	24.9	24.7	25.3	25.8
12H	25.1	25.7	25.6	26.1	26.6	24.4	25.0	24.9	25.4	25.9
12H 4H	23.9	24.7	24.3	25.1	25.5	23.4	24.2	23.8	24.6	25.0
6H	24.7	25.3	25.1	25.8	26.2	24.1	24.7	24.5	25.2	25.6
8H	25.0	25.6	25.5	26.0	26.5	24.4	24.9	24.8	25.4	25.9
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, 1667 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.8)  
 Area: 0.0372 m2

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

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-48G

**UTILIZATION FACTORS TABLE**

Test:U:120.03V I:0.2042A P:23.210W PF:0.9470 Freq:60.00Hz Lamp Flux:1667.13x1 lm		
NAME: ASD-UCS-48D24CC	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

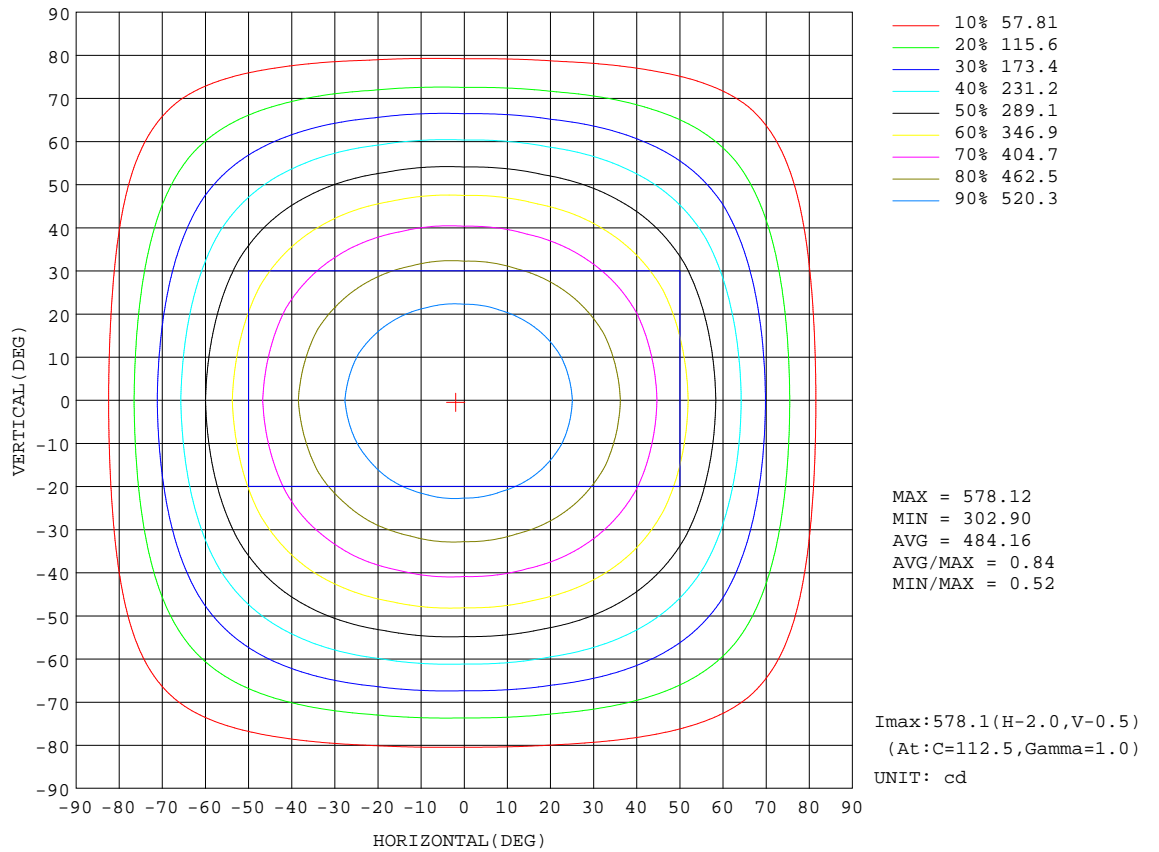
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	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	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	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:2023-09-09

$\gamma$  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-48G

**ISOCANDELA DIAGRAM**

Test:U:120.03V I:0.2042A P:23.210W PF:0.9470 Freq:60.00Hz Lamp Flux:1667.13x1 lm		
NAME: ASD-UCS-48D24CC	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:2023-09-09

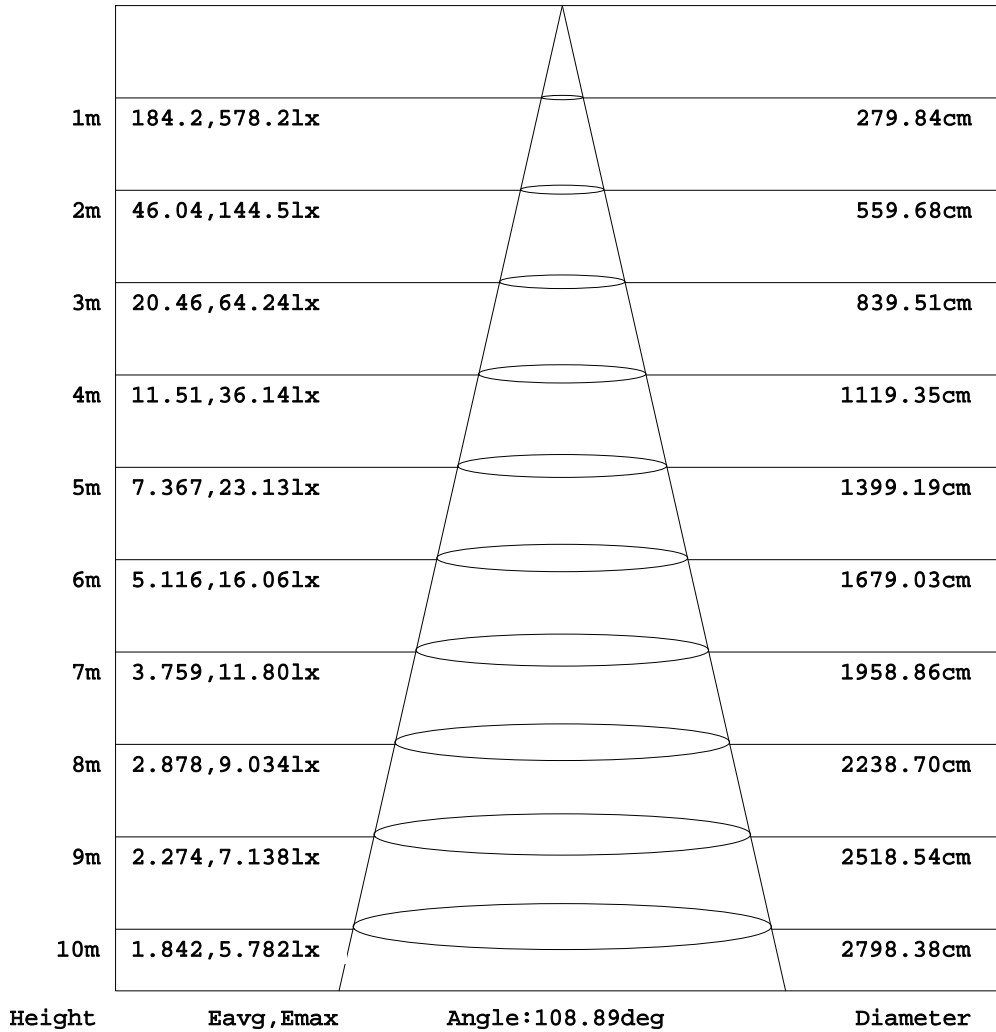
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.00.446  
 Humidity:50%  
 Test Distance:2.513m [K=1.0000]  
 Remarks: Model No: UCL-31B-48G



**AAI Figure**

Test:U:120.03V I:0.2042A P:23.210W PF:0.9470 Freq:60.00Hz Lamp Flux:1667.13x1 lm		
NAME: ASD-UCS-48D24CC	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:1180 lm



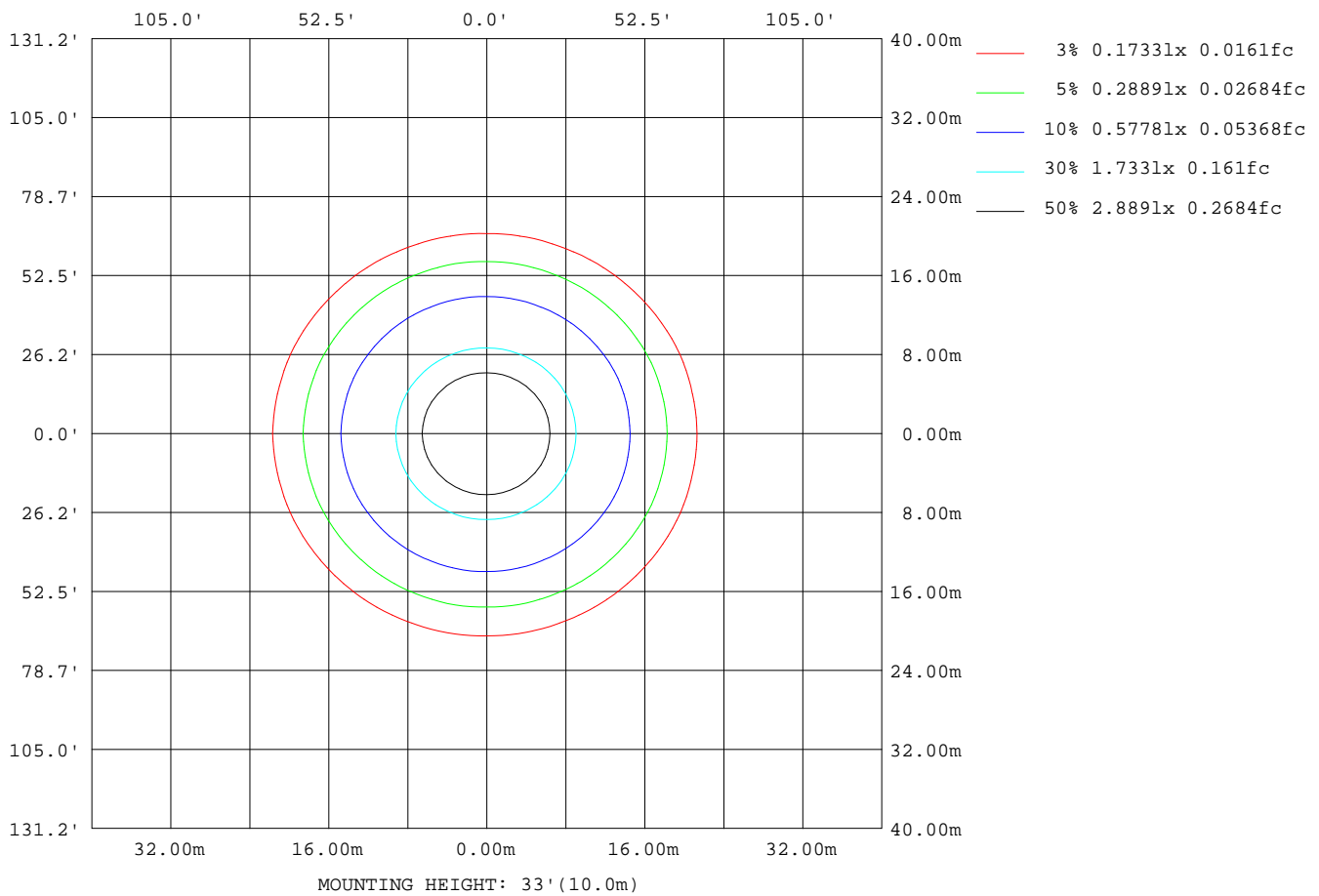
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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-48G

**ISOLUX DIAGRAM**

Test:U:120.03V I:0.2042A P:23.210W PF:0.9470 Freq:60.00Hz Lamp Flux:1667.13x1 lm		
NAME: ASD-UCS-48D24CC	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:2023-09-09

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-48G

LED Avg.L Report

Test:U:120.03V I:0.2042A P:23.210W PF:0.9470 Freq:60.00Hz Lamp Flux:1667.13x1 lm		
NAME: ASD-UCS-48D24CC	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

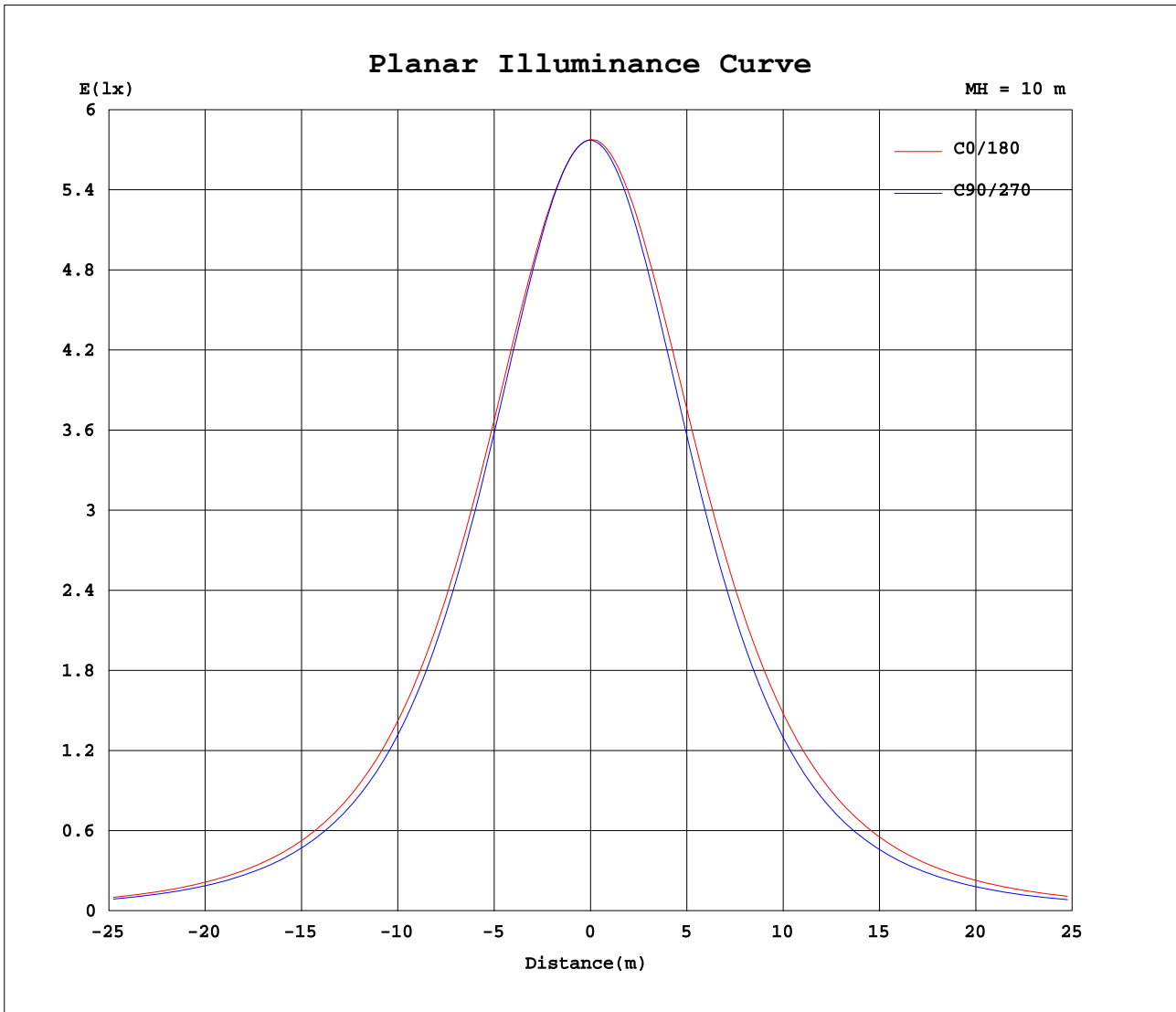
AvgL	cd/m2
L_0~180 (65) av	14691
L_0~180 (75) av	13108
L_0~180 (85) av	9886
L_90~270 (65) av	12179
L_90~270 (75) av	10235
L_90~270 (85) av	5256
L_45 (65) av	13300
L_45 (75) av	11504
L_45 (85) av	7246

Standard: GB/T 29293-2012

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

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-48G

**Planar Illuminance Curve**



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

$\gamma$  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-48G

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.03V I:0.2042A P:23.210W PF:0.9470 Freq:60.00Hz Lamp Flux:1667.13x1 lm		
NAME: ASD-UCS-48D24CC	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	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578	578			
5	574	575	575	575	575	576	576	576	576	576	576	575	574	574	574	574			
10	567	567	567	566	566	568	569	570	571	571	569	567	565	565	566	566			
15	556	556	554	552	552	555	557	560	562	561	557	553	551	551	552	554			
20	540	539	537	533	533	536	541	545	549	546	541	535	531	531	534	538			
25	520	519	515	510	509	513	520	526	532	528	519	511	506	507	512	517			
30	497	495	489	482	480	485	494	503	509	505	494	483	477	479	485	493			
35	469	467	458	450	448	454	465	476	483	477	464	451	444	446	455	465			
40	438	435	425	415	412	418	431	445	453	445	430	415	407	410	420	433			
45	402	399	387	376	373	379	394	409	418	410	392	376	368	371	383	397			
50	363	359	346	335	331	338	353	369	379	370	351	334	325	329	341	357			
55	319	315	303	291	287	294	309	326	336	326	307	289	281	284	298	314			
60	273	269	257	245	242	249	263	279	289	279	260	242	234	238	251	267			
65	223	220	209	199	196	202	215	229	239	229	210	194	187	190	203	218			
70	172	169	160	152	149	154	165	177	186	177	160	146	140	142	153	167			
75	120	119	112	106	104	108	116	126	132	124	110	98.6	93.3	95.6	105	116			
80	71.5	71.4	66.9	62.7	61.5	64.2	69.9	76.2	80.9	74.8	63.9	55.2	51.1	53.0	59.6	68.6			
85	28.4	28.9	26.3	23.9	23.3	24.9	28.2	31.9	35.7	30.6	21.4	13.5	10.8	11.9	18.1	26.5			
90	0.18	0.14	0.22	0.29	0.34	0.34	0.28	3.08	0.40	0.04	0.04	0.04	0.04	0.04	0.04	0.04			
95	0.13	0.13	0.12	0.11	0.11	0.11	0.12	0.12	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05			
100	0.15	0.14	0.13	0.13	0.13	0.13	0.13	0.14	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.07			
105	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.08	0.08	0.09	0.08	0.08	0.08	0.08	0.08			
110	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.10	0.10	0.11	0.10	0.10	0.10	0.10	0.10			
115	0.20	0.20	0.20	0.19	0.20	0.20	0.20	0.20	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.13			
120	0.24	0.24	0.23	0.23	0.23	0.24	0.24	0.23	0.15	0.15	0.16	0.15	0.14	0.14	0.14	0.15			
125	0.28	0.29	0.28	0.28	0.28	0.29	0.28	0.28	0.19	0.19	0.19	0.18	0.17	0.17	0.18	0.18			
130	0.34	0.35	0.34	0.35	0.36	0.36	0.35	0.33	0.22	0.22	0.22	0.22	0.20	0.21	0.20	0.22			
135	0.41	0.42	0.43	0.43	0.45	0.44	0.42	0.40	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.26			
140	0.51	0.53	0.56	0.57	0.57	0.57	0.55	0.50	0.28	0.27	0.28	0.29	0.28	0.28	0.28	0.29			
145	0.61	0.65	0.71	0.73	0.74	0.72	0.69	0.62	0.31	0.31	0.31	0.34	0.33	0.33	0.33	0.34			
150	0.71	0.77	0.83	0.86	0.86	0.85	0.80	0.74	0.34	0.34	0.34	0.36	0.37	0.37	0.36	0.38			
155	0.83	0.87	0.92	0.96	0.98	0.96	0.89	0.84	0.39	0.37	0.39	0.40	0.40	0.42	0.41	0.44			
160	0.90	0.93	0.96	1.03	1.01	1.01	0.94	0.91	0.47	0.46	0.45	0.45	0.46	0.47	0.47	0.50			
165	0.91	0.93	0.95	0.99	1.01	0.97	0.94	0.92	0.53	0.52	0.48	0.48	0.49	0.50	0.49	0.53			
170	0.88	0.89	0.90	0.91	0.91	0.90	0.90	0.89	0.58	0.58	0.54	0.52	0.51	0.50	0.53	0.57			
175	0.86	0.85	0.85	0.83	0.83	0.83	0.84	0.86	0.66	0.67	0.63	0.59	0.59	0.56	0.60	0.64			
180	0.76	0.75	0.72	0.70	0.71	0.71	0.75	0.77	0.76	0.77	0.75	0.72	0.70	0.70	0.71	0.75			

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

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-48G