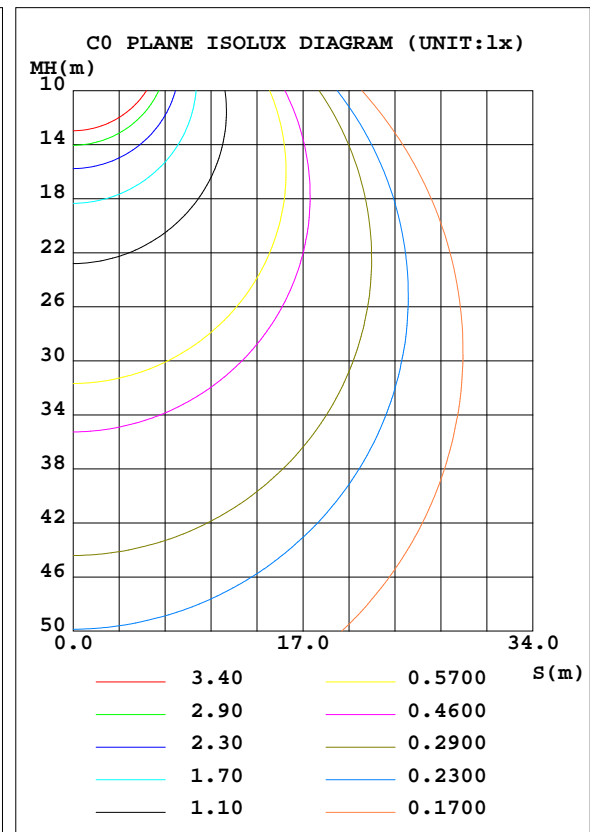
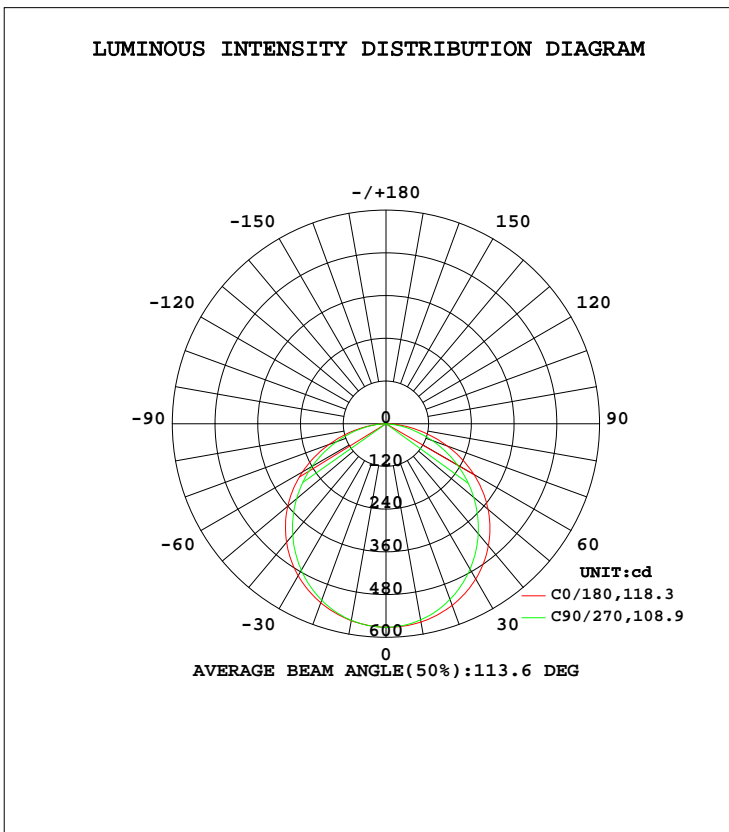


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.04V I:0.2046A P:23.230W PF:0.9458 Freq:60.00Hz Lamp Flux:1650.07x1 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				Eff: 71.03 lm/W
MODEL	ASD-UCS-48D24CC	I _{max} (cd)	571.9	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)	1650.1	η UP, DN(C0-180)	0.1,50.2	
NOMINAL FLUX(lm)	1650.07	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	561.7	560.9	560.7	563.3	565.6	562.8	559.4	560.1	0- 10	54.10	54.10	3.28,3.28
20	535.3	531.7	528.0	535.4	543.0	534.5	525.5	529.4	10- 20	155.1	209.2	12.7,12.7
30	493.1	484.2	475.6	489.4	503.5	487.9	472.2	481.0	20- 30	235.7	444.9	27,27
40	434.7	420.5	407.3	426.5	447.2	424.7	403.1	416.6	30- 40	285.3	730.2	44.3,44.3
50	360.1	343.1	327.7	349.2	374.4	346.6	321.7	338.5	40- 50	297.3	1028	62.3,62.3
60	270.8	254.4	239.6	259.9	285.3	256.3	231.9	248.7	50- 60	269.6	1297	78.6,78.6
70	170.6	158.7	147.5	163.1	183.4	158.3	137.8	152.2	60- 70	205.5	1503	91.1,91.1
80	71.07	66.43	60.76	69.11	79.98	62.98	50.51	59.08	70- 80	117.0	1620	98.2,98.2
90	0.1526	0.2236	0.3375	0.2817	0.4132	0.0368	0.0349	0.0382	80- 90	28.76	1648	99.9,99.9
100	0.1443	0.1322	0.1267	0.1326	0.0594	0.0648	0.0600	0.0609	90-100	0.1063	1648	99.9,99.9
110	0.1681	0.1665	0.1656	0.1696	0.0970	0.1055	0.0972	0.0972	100-110	0.1212	1649	99.9,99.9
120	0.2329	0.2301	0.2290	0.2339	0.1526	0.1529	0.1407	0.1415	110-120	0.1580	1649	99.9,99.9
130	0.3333	0.3374	0.3505	0.3415	0.2168	0.2140	0.1988	0.2014	120-130	0.2055	1649	99.9,99.9
140	0.5052	0.5559	0.5656	0.5418	0.2743	0.2753	0.2768	0.2774	130-140	0.2587	1649	99.9,99.9
150	0.7045	0.8170	0.8456	0.7908	0.3382	0.3388	0.3657	0.3596	140-150	0.3088	1649	100,100
160	0.8902	0.9511	0.9986	0.9328	0.4664	0.4409	0.4568	0.4614	150-160	0.2966	1650	100,100
170	0.8722	0.8906	0.8997	0.8904	0.5777	0.5320	0.4997	0.5270	160-170	0.2029	1650	100,100
180	0.7552	0.7113	0.6952	0.7389	0.7592	0.7361	0.6873	0.6993	170-180	0.0682	1650	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 879.85 lm

%lum = 53.3%
%lamp = 53.3%

Conical surface Flux(120deg): 1297.1 lm

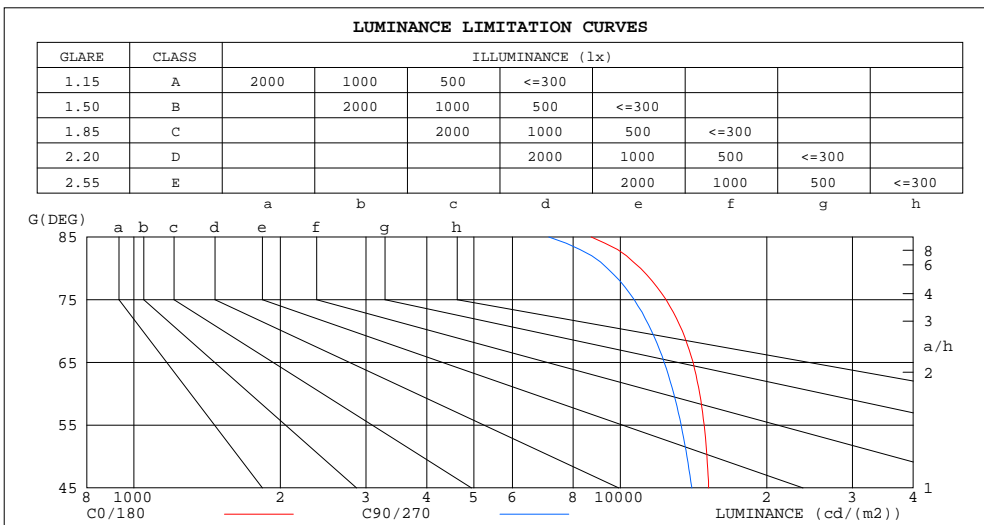
%lum = 78.6%
%lamp = 78.6%

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:120.04V I:0.2046A P:23.230W PF:0.9458 Freq:60.00Hz Lamp Flux:1650.07x1 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	8711	7128
80	11007	9408
75	12420	10683
70	13415	11592
65	14114	12308
60	14567	12885
55	14876	13336
50	15068	13706
45	15180	14029

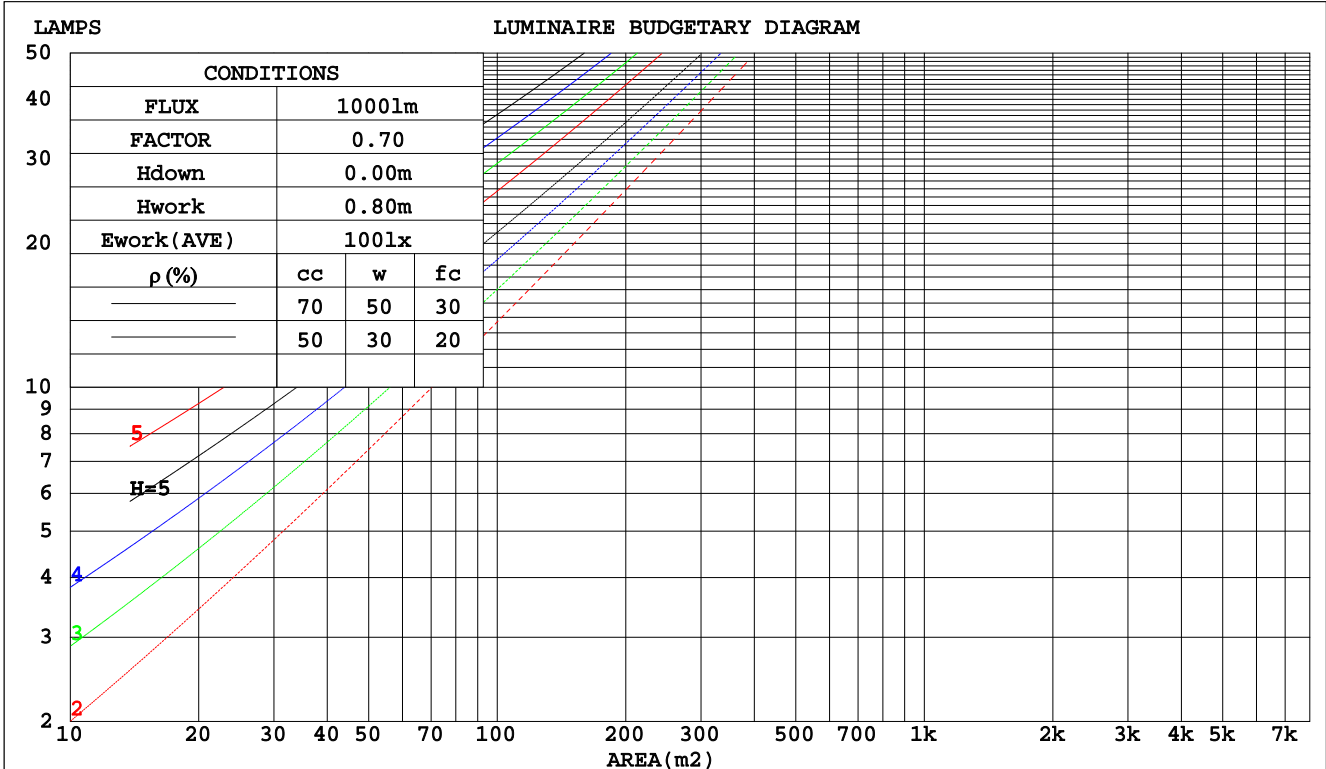
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.9DEG
 Operators: Water
 Test Date: 2023-09-09

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.04V I:0.2046A P:23.230W PF:0.9458 Freq:60.00Hz Lamp Flux:1650.07x1 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:120.04V I:0.2046A P:23.230W PF:0.9458 Freq:60.00Hz		
Lamp Flux:1650.07x1 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	.265	.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	.098	.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	.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:120.04V I:0.2046A P:23.230W PF:0.9458 Freq:60.00Hz										
Lamp Flux:1650.07x1 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	24.2	23.1	24.4	24.7	22.1	23.4	22.4	23.7	23.9
6H	23.3	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	23.0	24.1	24.4
12H	23.5	24.6	23.8	24.9	25.2	22.7	23.8	23.0	24.1	24.4
4H 2H	21.2	22.5	21.5	22.8	23.0	20.7	22.1	21.1	22.3	22.6
3H	22.9	24.1	23.3	24.4	24.7	22.4	23.5	22.7	23.8	24.2
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	26.0	23.6	24.5	24.0	24.9	25.3
8H	24.5	25.4	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	24.7	24.3	25.0	25.4
8H 4H	23.9	24.8	24.3	25.2	25.6	23.4	24.3	23.8	24.6	25.0
6H	24.7	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	26.5	24.3	24.9	24.7	25.4	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	24.8	24.4	25.1	25.5	23.4	24.2	23.8	24.6	25.0
6H	24.7	25.4	25.2	25.8	26.2	24.1	24.8	24.6	25.2	25.6
8H	25.0	25.6	25.5	26.0	26.5	24.4	24.9	24.9	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, 1650 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.7)
 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:120.04V I:0.2046A P:23.230W PF:0.9458 Freq:60.00Hz Lamp Flux:1650.07x1 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

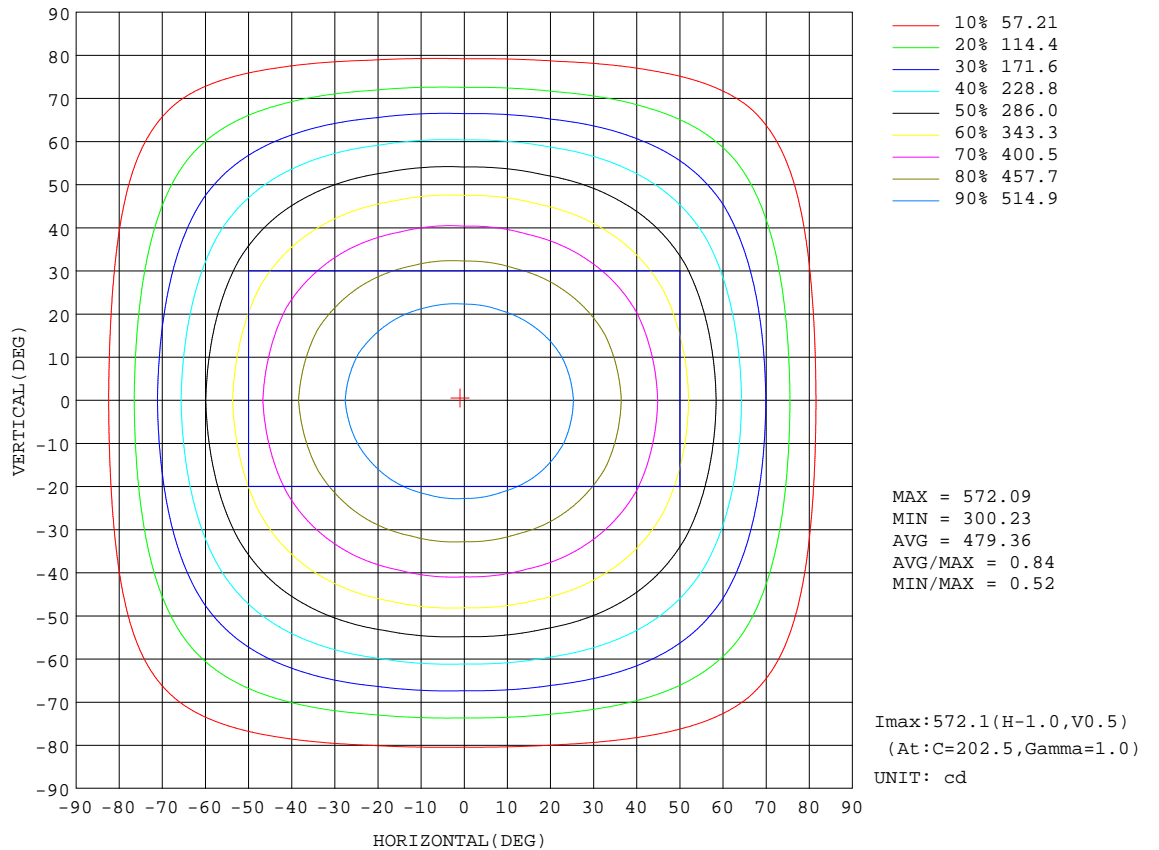
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	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

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

ISOCANDELA DIAGRAM

Test:U:120.04V I:0.2046A P:23.230W PF:0.9458 Freq:60.00Hz Lamp Flux:1650.07x1 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



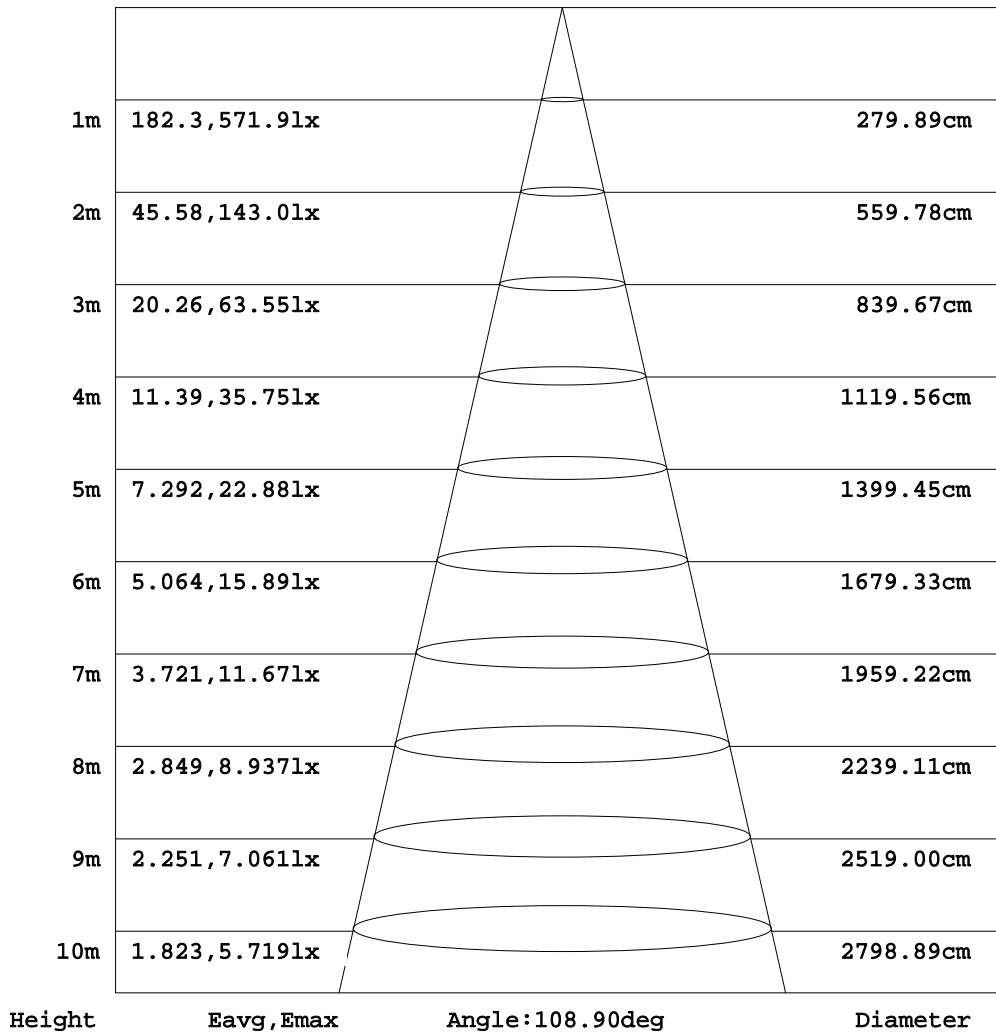
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.9DEG
 Operators:Water
 Test Date:2023-09-09

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:120.04V I:0.2046A P:23.230W PF:0.9458 Freq:60.00Hz Lamp Flux:1650.07x1 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:1168 lm



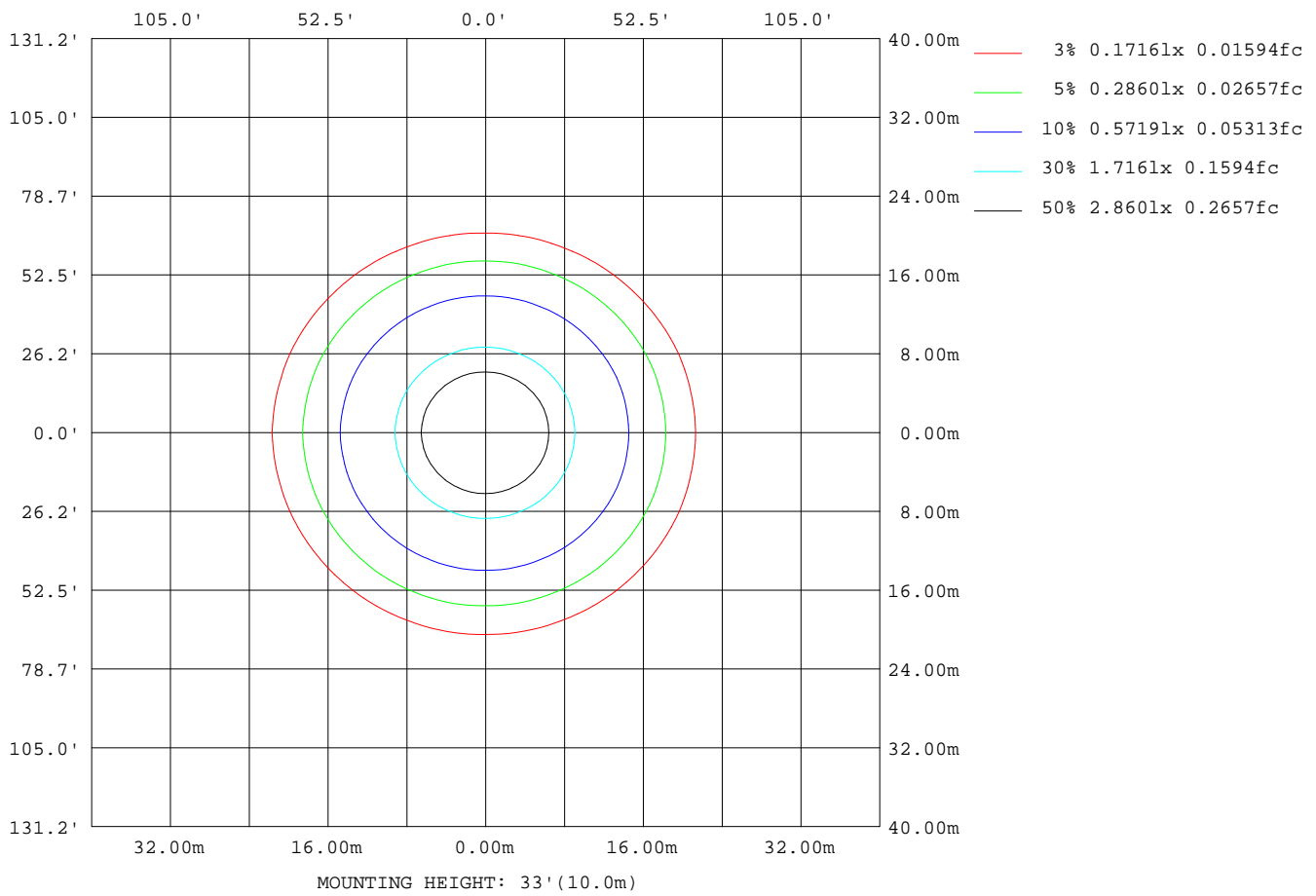
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.04V I:0.2046A P:23.230W PF:0.9458 Freq:60.00Hz Lamp Flux:1650.07x1 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:120.04V I:0.2046A P:23.230W PF:0.9458 Freq:60.00Hz Lamp Flux:1650.07x1 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

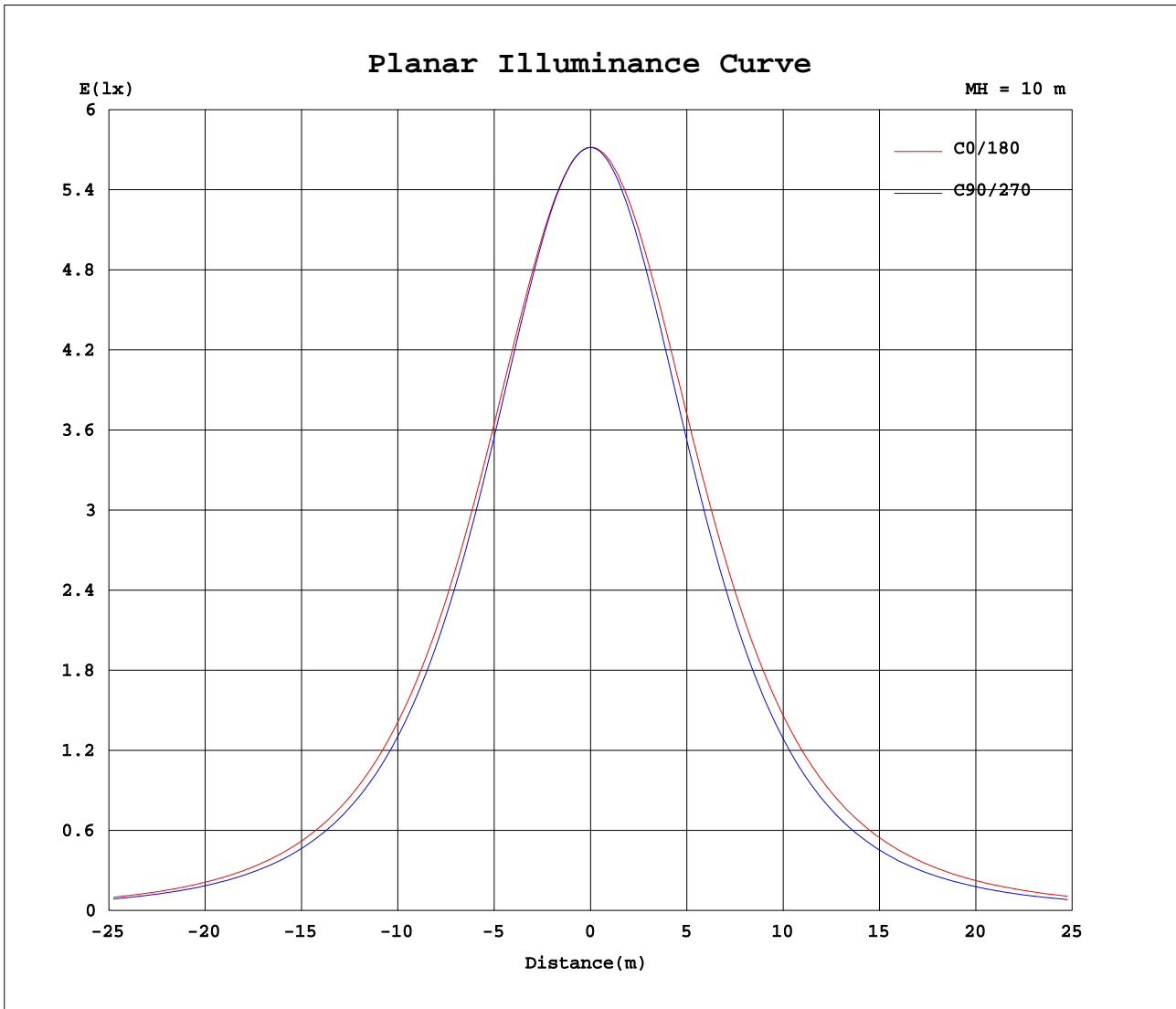
AvgL	cd/m2
L_0~180(65)av	14543
L_0~180(75)av	12979
L_0~180(85)av	9772
L_90~270(65)av	12039
L_90~270(75)av	10137
L_90~270(85)av	5198
L_45(65)av	13159
L_45(75)av	11384
L_45(85)av	7178

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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.04V I:0.2046A P:23.230W PF:0.9458 Freq:60.00Hz Lamp Flux:1650.07x1 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	572	572	572	572	572	572	572	572	572	572	572	572	572	572	572	572			
5	569	569	569	569	569	569	570	570	570	570	570	569	569	568	568	569			
10	562	561	561	561	561	562	563	565	566	565	563	561	559	559	560	561			
15	550	550	548	547	547	549	552	554	556	554	551	547	545	545	547	550			
20	535	534	532	529	528	531	535	540	543	540	534	529	526	526	529	534			
25	516	515	510	505	504	507	515	521	526	522	514	505	501	502	507	513			
30	493	491	484	478	476	480	489	498	503	498	488	478	472	474	481	489			
35	466	463	454	446	443	449	460	471	478	472	458	446	439	442	451	461			
40	435	431	420	411	407	413	427	440	447	440	425	410	403	406	417	429			
45	399	395	383	373	369	375	390	404	413	405	387	372	364	367	379	394			
50	360	356	343	331	328	334	349	365	374	365	347	330	322	325	339	354			
55	317	313	300	288	284	291	306	322	332	322	303	286	278	281	295	311			
60	271	267	254	243	240	246	260	275	285	275	256	240	232	236	249	265			
65	222	218	207	197	193	199	212	226	235	226	208	192	185	189	201	216			
70	171	168	159	150	147	152	163	175	183	174	158	144	138	141	152	166			
75	120	118	111	105	103	106	115	124	130	122	109	97.4	92.4	94.8	104	115			
80	71.1	70.9	66.4	62.2	60.8	63.3	69.1	75.2	80.0	73.5	63.0	54.5	50.5	52.5	59.1	68.2			
85	28.2	28.7	26.2	23.8	23.1	24.6	28.0	31.5	35.1	30.2	21.0	13.2	10.6	11.8	18.0	26.2			
90	0.15	0.14	0.22	0.29	0.34	0.34	0.28	3.05	0.41	0.04	0.04	0.04	0.03	0.04	0.04	0.04			
95	0.13	0.12	0.12	0.11	0.11	0.11	0.11	0.12	0.04	0.05	0.05	0.05	0.05	0.04	0.05	0.05			
100	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07			
105	0.15	0.15	0.15	0.15	0.14	0.15	0.15	0.15	0.08	0.08	0.08	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	0.19	0.20	0.20	0.19	0.12	0.12	0.13	0.13	0.12	0.12	0.12	0.12			
120	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.15			
125	0.28	0.28	0.28	0.28	0.28	0.29	0.28	0.27	0.19	0.18	0.19	0.18	0.17	0.17	0.17	0.18			
130	0.33	0.34	0.34	0.35	0.35	0.35	0.34	0.33	0.22	0.21	0.21	0.22	0.20	0.21	0.20	0.21			
135	0.40	0.42	0.42	0.43	0.44	0.44	0.42	0.39	0.25	0.25	0.24	0.25	0.24	0.24	0.24	0.26			
140	0.51	0.52	0.56	0.56	0.57	0.57	0.54	0.50	0.27	0.27	0.28	0.29	0.28	0.27	0.28	0.29			
145	0.61	0.64	0.70	0.72	0.73	0.71	0.68	0.61	0.31	0.30	0.31	0.33	0.33	0.33	0.32	0.33			
150	0.70	0.75	0.82	0.85	0.85	0.84	0.79	0.73	0.34	0.33	0.34	0.36	0.37	0.36	0.36	0.37			
155	0.82	0.86	0.91	0.95	0.97	0.95	0.88	0.83	0.39	0.37	0.39	0.40	0.40	0.41	0.41	0.43			
160	0.89	0.92	0.95	1.02	1.00	1.00	0.93	0.90	0.47	0.45	0.44	0.45	0.46	0.46	0.46	0.49			
165	0.91	0.92	0.94	0.98	1.00	0.96	0.93	0.91	0.53	0.52	0.48	0.48	0.48	0.50	0.49	0.53			
170	0.87	0.88	0.89	0.90	0.90	0.89	0.89	0.88	0.58	0.57	0.53	0.51	0.50	0.49	0.53	0.56			
175	0.85	0.84	0.84	0.82	0.82	0.82	0.84	0.85	0.66	0.66	0.62	0.59	0.58	0.55	0.59	0.64			
180	0.76	0.74	0.71	0.69	0.70	0.70	0.74	0.76	0.76	0.76	0.74	0.71	0.69	0.69	0.70	0.74			

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