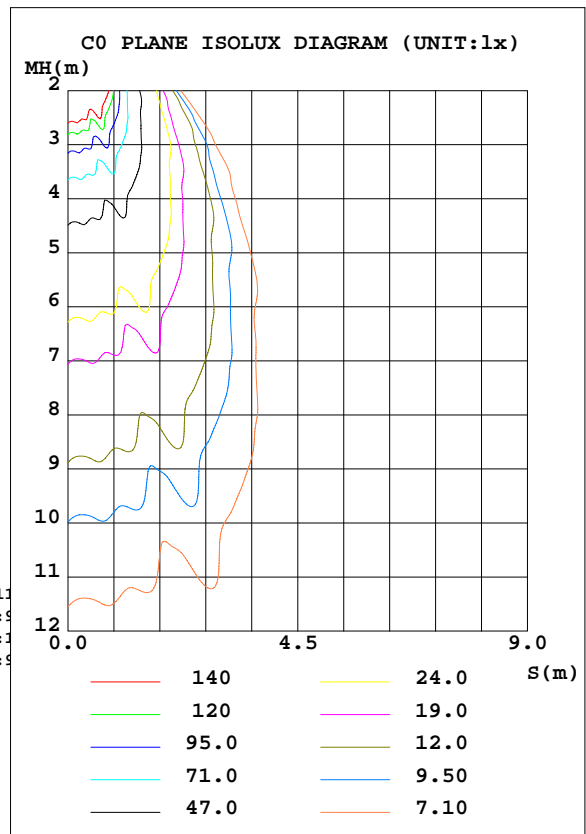
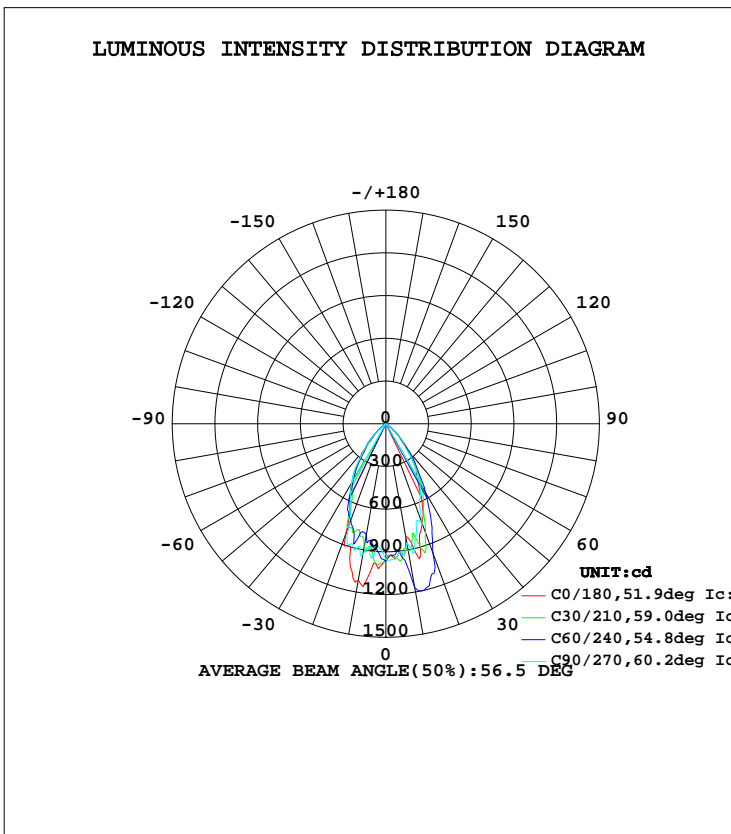


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm		
NAME: ASD-OLCLR-1D9CC-BZ 4000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104.02 lm/W			
MODEL: ASD-OLCLR-1D9CC-BZ-4000K		I <sub>max</sub> (cd)	1248	S/MH(C0/180)	0.89
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.87
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1002.2	η UP, DN(C0-180)	1.0,45.5
NOMINAL FLUX(lm)	1002.16	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1,52.3
LAMPS INSIDE	1	η up(%)	2.2	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	120	η down(%)	97.8	CIBSE SHR MAX	0.80



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-01

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	801.4	948.5	850.3	748.5	1115	775.0	934.7	1075	0- 10	88.44	88.44	8.83,8.83
20	746.5	808.9	750.1	565.9	818.7	704.8	756.4	1099	10- 20	244.9	333.3	33.3,33.3
30	437.1	480.4	481.6	409.0	484.7	490.9	484.3	594.3	20- 30	282.3	615.6	61.4,61.4
40	233.6	249.0	208.2	159.9	237.3	232.4	230.5	323.0	30- 40	216.3	831.9	83,83
50	62.86	82.42	83.88	38.85	56.13	55.16	61.48	109.9	40- 50	108.0	940.0	93.8,93.8
60	9.515	10.06	12.67	14.28	17.43	14.44	9.281	11.16	50- 60	24.32	964.3	96.2,96.2
70	4.746	4.868	4.854	4.536	5.779	5.735	5.773	5.982	60- 70	7.285	971.6	96.9,96.9
80	3.599	3.708	3.814	3.477	4.566	4.546	4.474	4.970	70- 80	5.126	976.7	97.5,97.5
90	2.635	2.603	2.658	2.418	3.261	3.290	3.354	3.629	80- 90	3.901	980.6	97.8,97.8
100	2.361	2.341	2.330	2.303	2.819	2.873	2.927	3.108	90-100	3.045	983.6	98.2,98.2
110	2.330	2.349	2.357	2.480	2.823	2.827	2.819	2.838	100-110	2.752	986.4	98.4,98.4
120	2.615	2.650	2.738	2.954	3.224	3.196	3.120	2.923	110-120	2.718	989.1	98.7,98.7
130	3.142	3.240	3.300	3.540	3.991	3.851	3.733	3.385	120-130	2.873	992.0	99,99
140	3.804	3.902	3.985	4.237	4.696	4.586	4.465	4.159	130-140	2.986	995.0	99.3,99.3
150	4.486	4.507	4.594	4.591	5.199	5.168	5.111	4.856	140-150	2.835	997.8	99.6,99.6
160	4.972	4.980	5.014	4.961	5.461	5.415	5.512	5.388	150-160	2.318	1000	99.8,99.8
170	5.368	5.377	5.364	5.369	5.573	5.596	5.669	5.646	160-170	1.514	1002	99.9,99.9
180	5.762	5.700	5.758	5.673	5.754	5.700	5.750	5.669	170-180	0.5332	1002	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

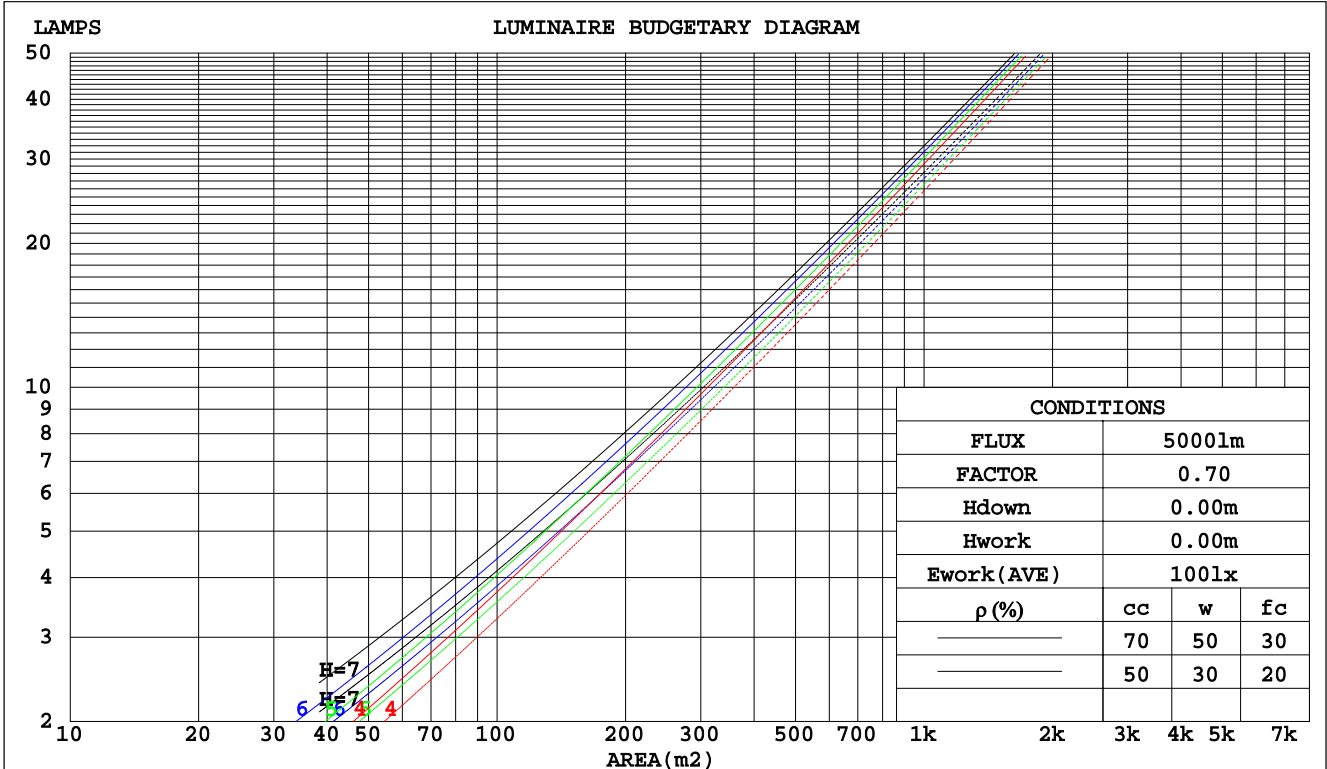
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.09	1.07	1.04	1.07	1.05	1.02	1.02	1.01	.99	.98	.97	.95	.95	.93	.92	.90
2.0	1.01	.97	.93	.99	.95	.92	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.93	.88	.84	.92	.87	.83	.89	.85	.81	.86	.83	.80	.83	.81	.78	.76
4.0	.87	.81	.76	.85	.80	.75	.83	.78	.74	.80	.76	.73	.78	.75	.72	.70
5.0	.80	.74	.70	.79	.73	.69	.77	.72	.68	.75	.71	.67	.74	.70	.67	.65
6.0	.75	.69	.64	.74	.68	.64	.72	.67	.63	.71	.66	.62	.69	.65	.62	.60
7.0	.70	.64	.59	.69	.63	.59	.68	.62	.58	.66	.62	.58	.65	.61	.57	.56
8.0	.66	.59	.55	.65	.59	.55	.64	.58	.54	.62	.58	.54	.61	.57	.54	.52
9.0	.62	.55	.51	.61	.55	.51	.60	.54	.51	.59	.54	.50	.58	.53	.50	.49
10.0	.58	.52	.48	.58	.52	.48	.57	.51	.47	.56	.51	.47	.55	.50	.47	.46



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-03-01

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

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	.195	.111	.035	.188	.107	.034	.174	.100	.032	.161	.093	.030	.149	.087	.028	
2.0	.186	.102	.031	.180	.099	.031	.168	.093	.029	.157	.088	.028	.147	.083	.026	
3.0	.177	.094	.028	.172	.092	.028	.161	.087	.027	.152	.083	.026	.143	.079	.025	
4.0	.168	.087	.026	.164	.086	.025	.155	.082	.024	.146	.079	.024	.138	.075	.023	
5.0	.160	.082	.024	.156	.080	.023	.148	.077	.023	.141	.074	.022	.134	.071	.021	
6.0	.152	.076	.022	.149	.075	.022	.142	.073	.021	.135	.070	.021	.129	.068	.020	
7.0	.145	.072	.020	.142	.071	.020	.136	.069	.020	.130	.066	.019	.124	.064	.019	
8.0	.139	.068	.019	.136	.067	.019	.130	.065	.019	.125	.063	.018	.120	.061	.018	
9.0	.132	.064	.018	.130	.063	.018	.125	.062	.017	.120	.060	.017	.115	.058	.017	
10.0	.127	.061	.017	.124	.060	.017	.120	.059	.016	.115	.057	.016	.111	.056	.016	

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	.207	.207	.207	.177	.177	.177	.121	.121	.121	.069	.069	.069	.022	.022	.022	
1.0	.189	.174	.160	.162	.149	.138	.111	.103	.095	.064	.059	.055	.020	.019	.018	
2.0	.175	.149	.127	.150	.128	.110	.103	.089	.077	.059	.052	.045	.019	.017	.015	
3.0	.163	.130	.104	.140	.113	.090	.096	.078	.063	.056	.046	.037	.018	.015	.012	
4.0	.154	.116	.087	.132	.100	.076	.091	.070	.053	.052	.041	.032	.017	.013	.010	
5.0	.146	.105	.074	.125	.091	.065	.086	.063	.046	.050	.037	.027	.016	.012	.009	
6.0	.138	.096	.065	.119	.083	.057	.082	.058	.040	.048	.034	.024	.015	.011	.008	
7.0	.132	.088	.057	.114	.076	.050	.079	.054	.035	.046	.032	.021	.015	.010	.007	
8.0	.127	.082	.052	.109	.071	.045	.075	.050	.032	.044	.030	.019	.014	.010	.006	
9.0	.121	.077	.047	.105	.067	.041	.072	.047	.029	.042	.028	.017	.014	.009	.006	
10.0	.117	.073	.043	.101	.063	.038	.070	.044	.027	.041	.026	.016	.013	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-01

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm										
NAME:					TYPE:LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			PROTECTION ANGLE:		
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	10.5	11.5	10.7	11.7	11.9	10.3	11.3	10.6	11.5	11.8
3H	10.3	11.2	10.6	11.5	11.7	10.2	11.1	10.5	11.3	11.6
4H	10.2	11.1	10.6	11.4	11.6	10.1	11.0	10.4	11.2	11.5
6H	10.2	11.0	10.5	11.3	11.6	10.1	10.9	10.4	11.2	11.5
8H	10.2	11.0	10.5	11.3	11.6	10.1	10.8	10.4	11.1	11.4
12H	10.2	10.9	10.5	11.2	11.6	10.1	10.8	10.4	11.1	11.5
4H 2H	10.2	11.1	10.5	11.3	11.6	10.1	10.9	10.4	11.2	11.5
3H	10.1	10.8	10.4	11.1	11.5	9.9	10.7	10.3	11.0	11.3
4H	10.0	10.7	10.4	11.0	11.4	9.9	10.6	10.3	10.9	11.3
6H	10.0	10.6	10.4	11.0	11.4	9.9	10.5	10.3	10.8	11.2
8H	10.0	10.6	10.4	11.0	11.4	9.9	10.4	10.3	10.8	11.3
12H	10.1	10.6	10.5	11.0	11.4	10.0	10.5	10.4	10.9	11.3
8H 4H	9.9	10.5	10.3	10.9	11.3	9.8	10.3	10.2	10.7	11.1
6H	9.9	10.4	10.4	10.8	11.3	9.8	10.3	10.3	10.7	11.1
8H	10.0	10.4	10.5	10.8	11.3	9.9	10.3	10.3	10.7	11.2
12H	10.1	10.4	10.6	10.9	11.4	10.0	10.3	10.5	10.8	11.3
12H 4H	9.9	10.4	10.3	10.8	11.2	9.7	10.2	10.2	10.6	11.1
6H	9.9	10.3	10.4	10.8	11.2	9.8	10.2	10.3	10.6	11.1
8H	10.0	10.3	10.5	10.8	11.3	9.9	10.2	10.4	10.7	11.2
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 6.6					+ 2.4 / - 5.7				
1.5H	+ 3.4 / - 7.0					+ 3.4 / - 6.2				
2.0H	+ 6.3 / - 4.8					+ 5.3 / - 4.3				

CIE Pub.117 Corrected 1002 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.0)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-01

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

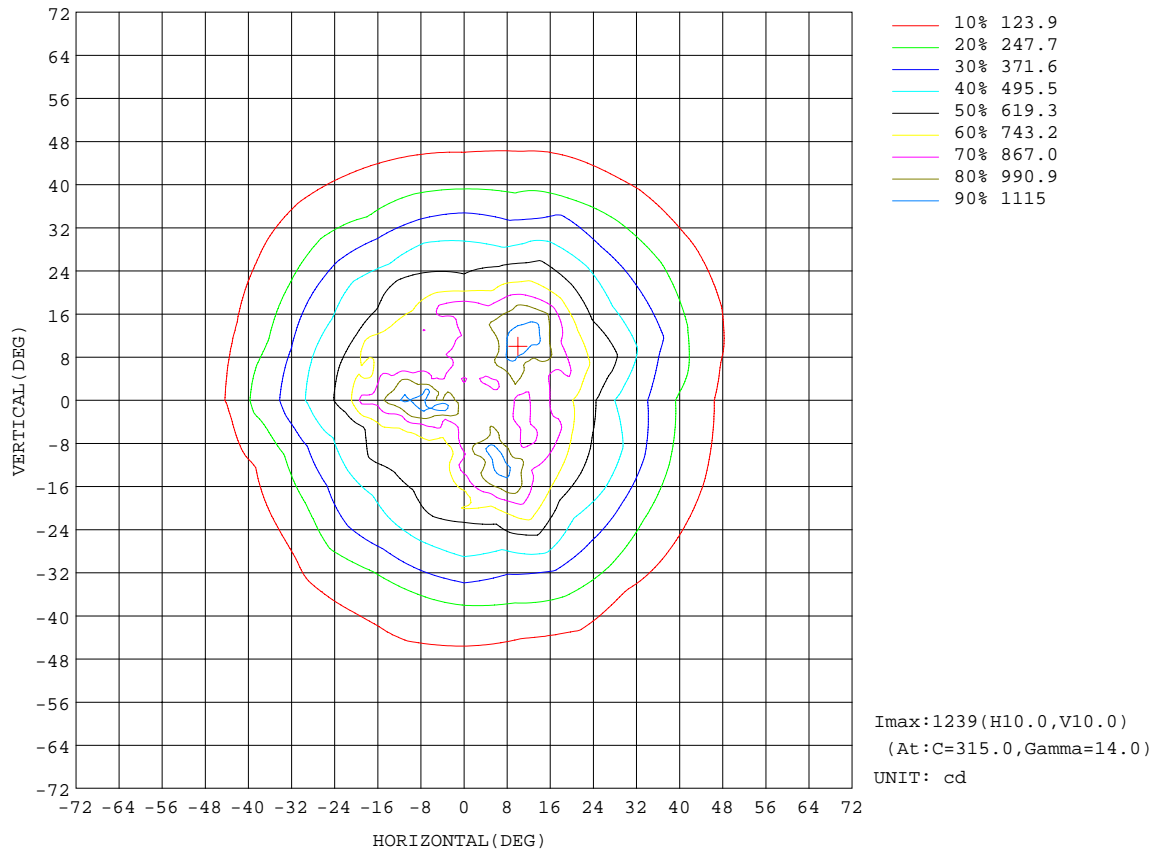
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	81	73	69	80	73	69	79	73	69	65
0.80	89	82	78	88	82	78	87	81	77	73
1.00	95	88	84	94	88	84	92	87	83	78
1.25	99	93	89	98	93	89	96	91	88	83
1.50	103	97	93	101	96	92	98	94	91	86
2.00	106	101	97	104	100	97	101	98	95	89
2.50	108	103	100	106	102	99	103	99	97	90
3.00	110	106	103	108	104	101	104	101	99	92
4.00	112	109	106	110	107	104	106	103	101	94
5.00	113	111	108	111	109	107	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

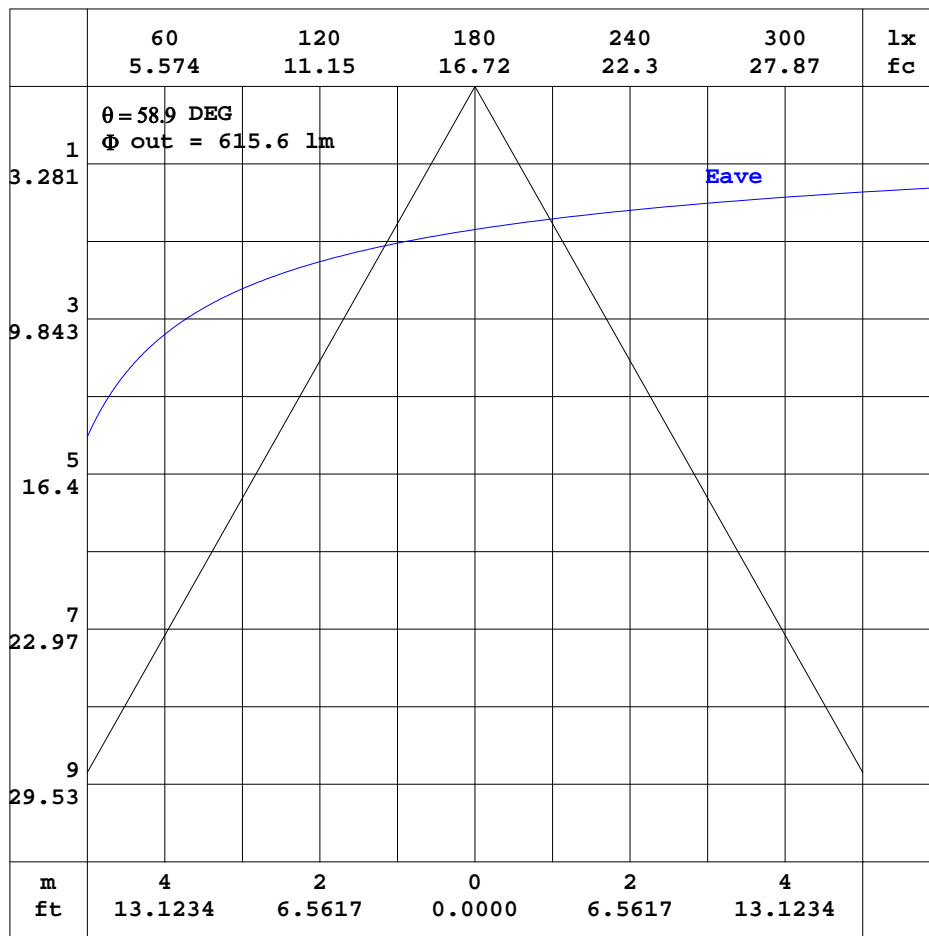


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-01

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

AAI CURVES

Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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

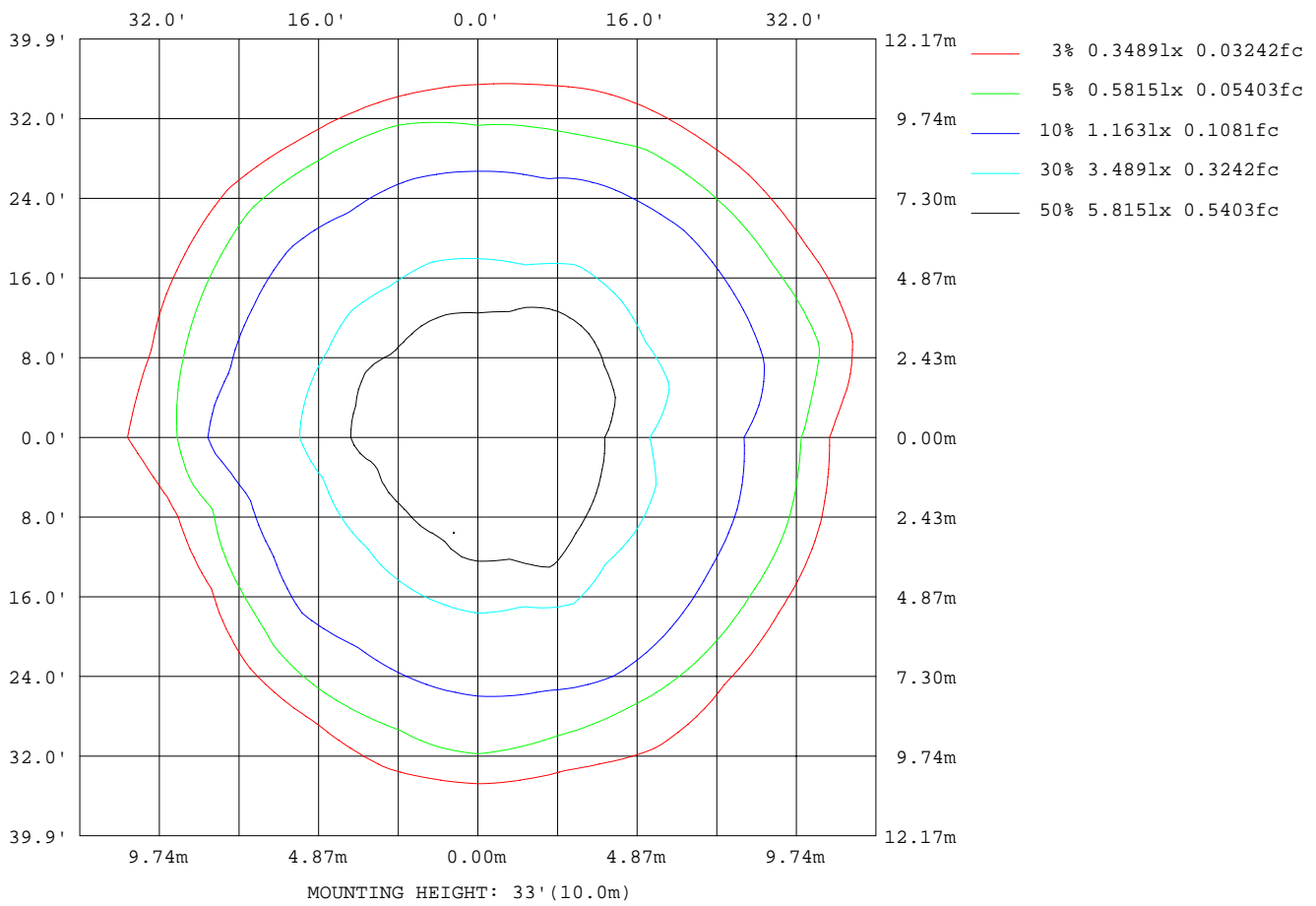
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-03-01

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

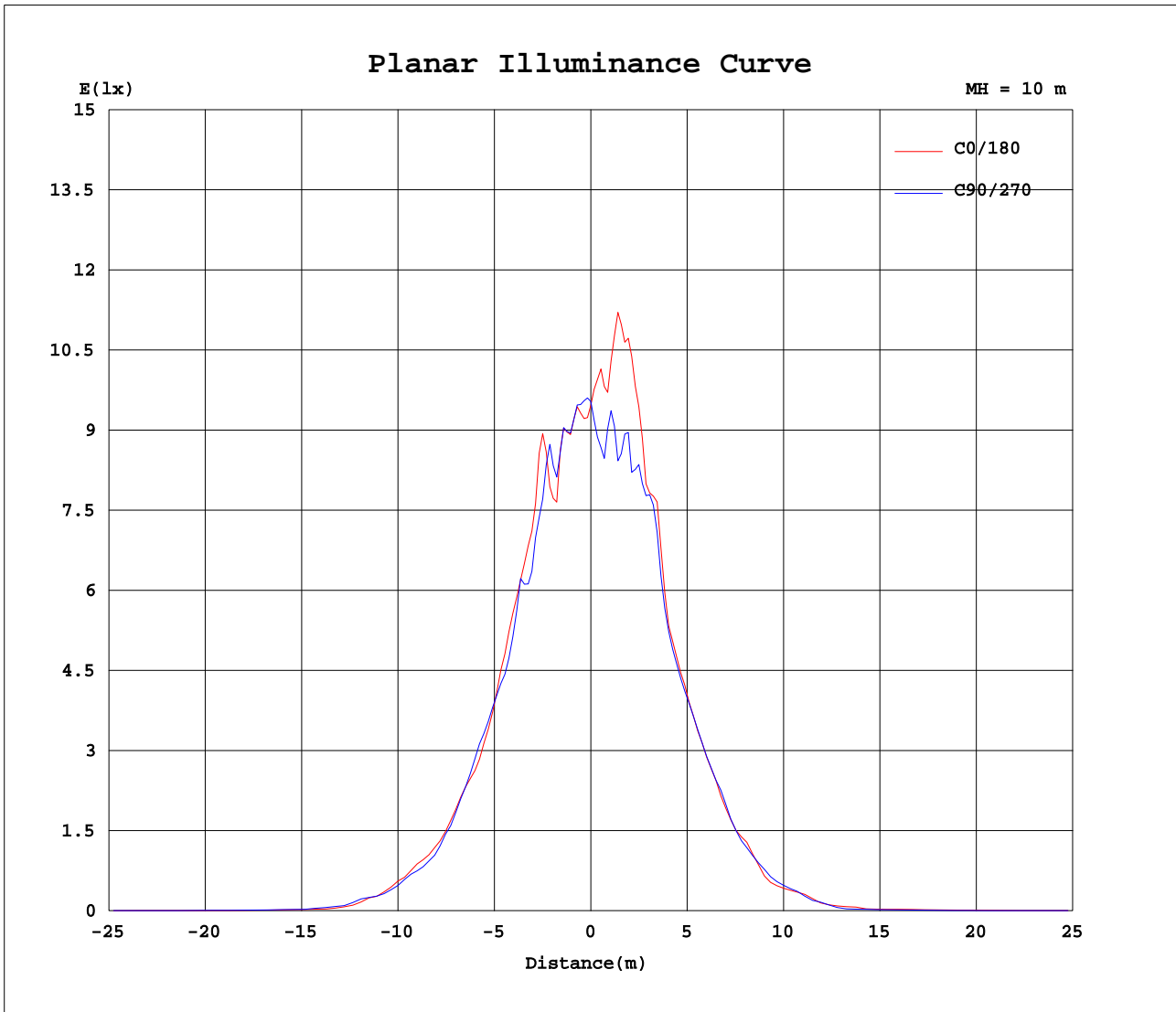
AvgL	cd/m2
L_0~180(65)av	170
L_0~180(75)av	189
L_0~180(85)av	410
L_90~270(65)av	148
L_90~270(75)av	189
L_90~270(85)av	420
L_45(65)av	146
L_45(75)av	195
L_45(85)av	414

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-03-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-03-01

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	947	958	955	963	965	967	953	989	989	992	989	992	947	958	955	963	965	967	953
5	932	953	951	921	899	898	931	855	829	859	1023	1204	982	992	965	877	880	881	913
10	801	838	906	949	1168	1053	850	710	723	749	791	1037	1115	1036	883	775	796	852	935
15	951	900	849	989	1179	1002	818	674	727	676	652	780	982	901	770	757	875	833	888
20	747	804	816	809	967	753	750	676	602	566	638	580	819	736	779	705	721	775	756
25	606	615	629	633	754	590	572	541	515	483	496	500	599	584	558	588	629	607	585
30	437	515	511	480	557	458	482	436	399	409	363	376	485	477	474	491	459	495	484
35	346	369	360	364	382	314	335	293	267	275	234	239	350	312	328	354	335	356	363
40	234	237	229	249	261	213	208	177	162	160	153	128	237	209	203	232	218	230	231
45	158	150	142	124	138	126	134	135	101	94.3	75.6	74.2	120	110	127	153	145	152	135
50	62.9	64.0	64.2	82.4	68.4	80.3	83.9	45.3	45.7	38.9	36.2	31.5	56.1	71.0	65.9	55.2	70.6	65.1	61.5
55	16.0	17.0	16.0	15.6	17.9	18.1	25.3	17.6	17.0	19.8	16.4	14.2	19.1	19.9	20.9	18.8	17.7	15.8	14.9
60	9.51	12.1	10.1	10.1	18.2	11.4	12.7	14.3	11.4	14.3	9.75	8.10	17.4	12.6	14.4	14.4	11.9	11.2	9.28
65	5.55	5.95	5.58	5.70	5.81	5.82	6.19	5.71	5.47	5.44	5.23	5.12	8.83	6.74	6.88	6.71	6.58	6.42	6.28
70	4.75	4.89	4.87	4.87	4.80	4.82	4.85	4.67	4.53	4.54	4.45	4.48	5.78	5.71	5.73	5.74	5.72	5.69	5.77
75	4.34	4.62	4.63	4.61	4.51	4.42	4.45	4.22	4.09	4.13	4.00	4.01	5.42	5.26	5.28	5.49	5.44	5.38	5.34
80	3.60	3.64	3.66	3.71	3.68	3.75	3.81	3.61	3.55	3.48	3.44	3.42	4.57	4.56	4.60	4.55	4.56	4.51	4.47
85	3.08	3.08	3.08	3.18	3.20	3.32	3.49	3.25	3.01	2.85	2.77	2.73	4.08	4.09	4.08	4.05	4.06	3.98	3.83
90	2.63	2.61	2.62	2.60	2.61	2.61	2.66	2.51	2.45	2.42	2.44	2.42	3.26	3.27	3.30	3.29	3.31	3.35	3.35
95	2.48	2.46	2.47	2.46	2.47	2.43	2.43	2.36	2.35	2.32	2.34	2.33	2.98	3.00	3.00	3.04	3.05	3.10	3.11
100	2.36	2.35	2.36	2.34	2.36	2.33	2.33	2.32	2.30	2.30	2.32	2.32	2.82	2.85	2.85	2.87	2.88	2.92	2.93
105	2.32	2.32	2.32	2.31	2.31	2.30	2.30	2.32	2.32	2.35	2.35	2.36	2.78	2.79	2.79	2.81	2.80	2.83	2.83
110	2.33	2.35	2.34	2.35	2.33	2.36	2.36	2.40	2.43	2.48	2.51	2.50	2.82	2.80	2.83	2.83	2.83	2.81	2.82
115	2.44	2.47	2.46	2.47	2.45	2.50	2.51	2.58	2.63	2.69	2.73	2.74	2.97	2.95	2.95	2.96	2.95	2.93	2.91
120	2.61	2.65	2.65	2.65	2.66	2.71	2.74	2.81	2.87	2.95	3.00	3.04	3.22	3.20	3.20	3.20	3.18	3.15	3.12
125	2.85	2.90	2.90	2.92	2.94	2.98	3.00	3.07	3.15	3.23	3.31	3.38	3.57	3.53	3.51	3.51	3.47	3.45	3.40
130	3.14	3.18	3.20	3.24	3.27	3.29	3.30	3.35	3.44	3.54	3.64	3.71	3.99	3.93	3.86	3.85	3.81	3.79	3.73
135	3.45	3.49	3.54	3.57	3.60	3.62	3.61	3.68	3.80	3.91	3.99	4.04	4.36	4.33	4.24	4.21	4.16	4.12	4.09
140	3.80	3.84	3.89	3.90	3.92	3.96	3.99	4.03	4.15	4.24	4.31	4.33	4.70	4.67	4.62	4.59	4.51	4.50	4.46
145	4.16	4.19	4.22	4.20	4.23	4.28	4.32	4.30	4.39	4.46	4.51	4.60	4.98	4.96	4.93	4.93	4.86	4.85	4.80
150	4.49	4.48	4.49	4.51	4.54	4.58	4.59	4.50	4.54	4.59	4.73	4.81	5.20	5.18	5.16	5.17	5.14	5.14	5.11
155	4.75	4.72	4.76	4.78	4.80	4.82	4.83	4.70	4.71	4.77	4.90	4.98	5.36	5.34	5.33	5.32	5.31	5.36	5.35
160	4.97	4.94	4.99	4.98	5.00	5.03	5.01	4.89	4.91	4.96	5.06	5.14	5.46	5.42	5.43	5.41	5.42	5.47	5.51
165	5.17	5.18	5.19	5.19	5.20	5.21	5.19	5.08	5.12	5.14	5.21	5.30	5.52	5.50	5.49	5.50	5.50	5.56	5.62
170	5.37	5.37	5.38	5.38	5.40	5.38	5.36	5.27	5.33	5.37	5.42	5.48	5.57	5.58	5.58	5.60	5.62	5.64	5.67
175	5.60	5.58	5.57	5.54	5.55	5.55	5.56	5.47	5.53	5.58	5.61	5.65	5.70	5.64	5.68	5.71	5.70	5.72	5.73
180	5.76	5.70	5.68	5.70	5.72	5.73	5.76	5.63	5.66	5.67	5.75	5.82	5.75	5.70	5.68	5.70	5.72	5.73	5.75

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-01

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0819A P:9.634W PF:0.9807 Lamp Flux:1002.16x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG)\ γ (DEG)	285	300	315	330	345														
0	989	989	992	989	992														
5	881	871	857	873	890														
10	904	922	1075	1028	989														
15	974	1074	1231	972	914														
20	781	998	1099	892	896														
25	634	750	778	728	727														
30	461	604	594	557	604														
35	350	429	437	424	446														
40	238	306	323	319	352														
45	138	173	182	210	221														
50	85.6	88.5	110	122	127														
55	14.9	16.0	23.1	28.3	40.7														
60	9.05	12.5	11.2	12.5	17.4														
65	6.39	6.64	6.80	7.19	10.7														
70	5.81	5.88	5.98	6.06	6.12														
75	5.61	5.90	5.94	5.96	5.80														
80	4.57	4.81	4.97	5.15	5.22														
85	4.00	4.20	4.35	4.42	4.40														
90	3.43	3.53	3.63	3.70	3.74														
95	3.20	3.27	3.33	3.37	3.38														
100	3.00	3.05	3.11	3.12	3.14														
105	2.86	2.89	2.94	2.93	2.95														
110	2.80	2.81	2.84	2.83	2.84														
115	2.83	2.84	2.83	2.83	2.84														
120	3.00	2.95	2.92	2.93	2.92														
125	3.25	3.16	3.11	3.11	3.12														
130	3.58	3.47	3.38	3.37	3.37														
135	3.95	3.85	3.75	3.70	3.69														
140	4.31	4.23	4.16	4.08	4.07														
145	4.64	4.57	4.53	4.46	4.46														
150	4.92	4.87	4.86	4.82	4.85														
155	5.19	5.15	5.16	5.14	5.17														
160	5.40	5.36	5.39	5.41	5.41														
165	5.51	5.52	5.55	5.57	5.60														
170	5.59	5.62	5.65	5.66	5.72														
175	5.61	5.62	5.69	5.75	5.82														
180	5.63	5.66	5.67	5.75	5.82														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-03-01

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks: