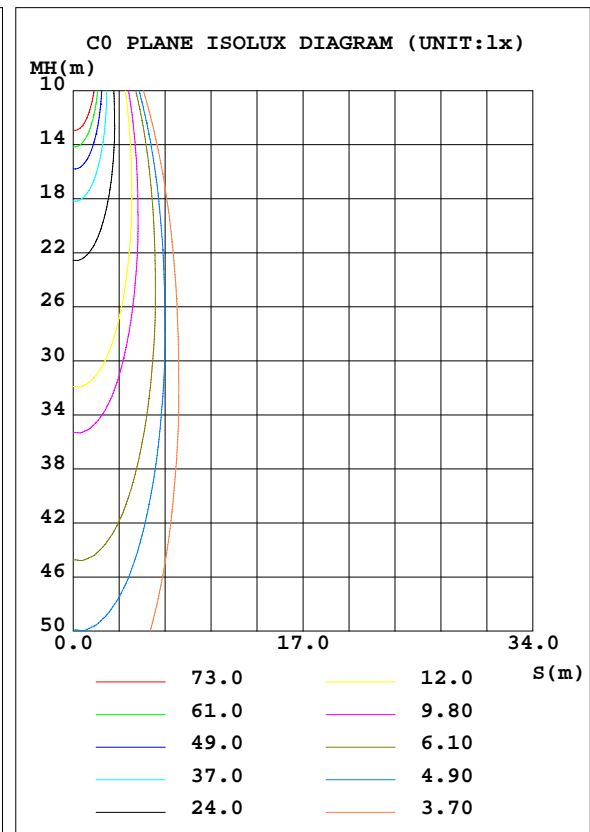
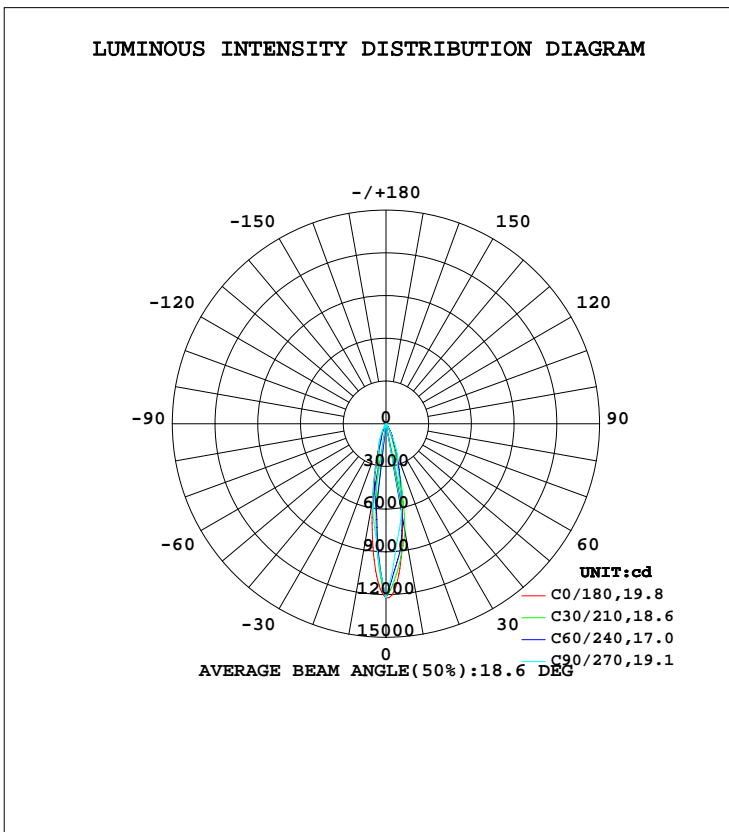


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:47.19V I:0.4928A P:23.25W PF:1.000 Freq:60.00Hz Lamp Flux:2031.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:3020K-Ra91	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 87.37 lm/W			
MODEL	Z22Y-16T-3000K-24W	I _{max} (cd)	12224	S/MH(C0/180)	0.31
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	0.30
RATED VOLTAGE(V)	48	TOTAL FLUX(lm)	2031.5	η UP, DN(C0-180)	0.0,54.1
NOMINAL FLUX(lm)	2031.49	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,45.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	48	η down(%)	100.0	CIBSE SHR MAX	1.00



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:sunny
 Test Date:2023-04-10

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:8.500m [K=1.0000]
 Remarks: SDCM0.9

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	662.0	694.7	632.2	426.5	547.4	388.1	546.6	644.7	0- 10	739.4	739.4	36.4,36.4
20	172.0	206.5	233.1	91.60	108.3	68.80	144.5	143.5	10- 20	808.2	1548	76.2,76.2
30	34.39	49.12	24.26	25.72	18.74	19.81	15.41	34.24	20- 30	345.6	1893	93.2,93.2
40	8.029	8.153	10.73	5.950	5.521	4.909	7.158	6.062	30- 40	90.17	1983	97.6,97.6
50	3.108	3.233	2.871	2.477	2.276	1.910	2.105	2.323	40- 50	34.23	2018	99.3,99.3
60	0.2323	0.8428	0.6810	0.6164	0.2846	0.3536	0.2531	0.4656	50- 60	12.30	2030	99.9,99.9
70	0	0	0.2270	0	0	0	0.0844	0	60- 70	1.561	2031	100,100
80	0	0	0	0	0	0	0	0	70- 80	0.1110	2031	100,100
90	0	0	0	0	0	0	0	0	80- 90	0	2031	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

Conical surface Flux(90deg): 2004.4 lm

%lum = 98.7%
 %lamp = 98.7%

Conical surface Flux(120deg): 2029.8 lm

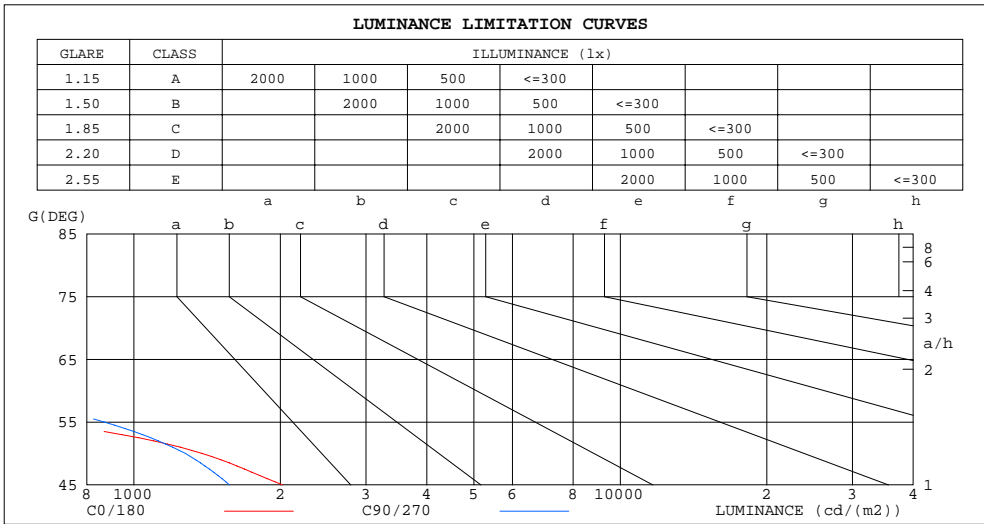
%lum = 99.9%
 %lamp = 99.9%

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:sunny
 Test Date:2023-04-10

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:8.500m [K=1.0000]
 Remarks: SDCM0.9

LUMINANCE LIMITATION CURVES

Test:U:47.19V I:0.4928A P:23.25W PF:1.000 Freq:60.00Hz Lamp Flux:2031.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:3020K-Ra91	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	0	190
65	0	302
60	133	389
55	642	869
50	1381	1276
45	2019	1572

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sunny
Test Date:2023-04-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.500m [K=1.0000]
Remarks: SDCM0.9

WEC AND CCEC

Test:U:47.19V I:0.4928A P:23.25W PF:1.000 Freq:60.00Hz Lamp Flux:2031.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:3020K-Ra91	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.138	.079	.025	.132	.075	.024	.119	.069	.022	.108	.062	.020	.098	.057	.018	
2.0	.129	.071	.022	.123	.068	.021	.113	.063	.020	.104	.058	.018	.095	.054	.017	
3.0	.120	.064	.019	.116	.062	.019	.107	.058	.018	.099	.054	.017	.092	.051	.016	
4.0	.113	.059	.017	.109	.057	.017	.102	.054	.016	.095	.051	.015	.089	.048	.015	
5.0	.107	.054	.016	.103	.053	.015	.097	.051	.015	.091	.048	.014	.086	.046	.014	
6.0	.101	.051	.014	.098	.050	.014	.093	.048	.014	.088	.046	.013	.083	.044	.013	
7.0	.096	.047	.013	.093	.047	.013	.089	.045	.013	.084	.043	.013	.080	.042	.012	
8.0	.091	.045	.013	.089	.044	.012	.085	.043	.012	.081	.041	.012	.078	.040	.012	
9.0	.087	.042	.012	.085	.042	.012	.082	.040	.011	.078	.039	.011	.075	.038	.011	
10.0	.084	.040	.011	.082	.040	.011	.079	.039	.011	.076	.038	.011	.073	.037	.011	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.168	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.136	.113	.095	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.123	.098	.079	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.113	.086	.066	.097	.074	.057	.067	.052	.040	.039	.030	.024	.012	.010	.008	
6.0	.104	.076	.055	.089	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.097	.068	.047	.083	.059	.041	.057	.041	.029	.033	.024	.017	.011	.008	.006	
8.0	.090	.061	.041	.077	.053	.036	.054	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.084	.055	.035	.073	.048	.031	.050	.034	.022	.029	.020	.013	.010	.007	.004	
10.0	.079	.050	.031	.069	.044	.027	.048	.031	.019	.028	.018	.012	.009	.006	.004	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sunny
Test Date:2023-04-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.500m [K=1.0000]
Remarks: SDCM0.9

UGR(Unified Glare Rating) Table

Test:U:47.19V I:0.4928A P:23.25W PF:1.000 Freq:60.00Hz Lamp Flux:2031.49x1 lm										
NAME:					TYPE:			WEIGHT:		
SPEC.:3020K-Ra91					DIM.:			SERIAL No.:		
MFR.:					SUR.:			Shielding 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	4.8	5.5	5.0	5.6	5.8	3.9	4.5	4.1	4.7	4.8
3H	4.7	5.3	4.9	5.5	5.6	3.8	4.4	4.0	4.6	4.7
4H	4.6	5.2	4.8	5.4	5.6	3.7	4.3	3.9	4.5	4.7
6H	4.5	5.0	4.8	5.3	5.5	3.6	4.1	3.9	4.4	4.6
8H	4.4	5.0	4.7	5.2	5.5	3.5	4.1	3.8	4.3	4.6
12H	4.4	4.9	4.7	5.2	5.4	3.5	4.0	3.8	4.3	4.5
4H 2H	4.6	5.2	4.9	5.4	5.6	3.7	4.3	3.9	4.5	4.7
3H	4.5	5.0	4.8	5.2	5.5	3.6	4.1	3.9	4.3	4.6
4H	4.4	4.8	4.7	5.1	5.4	3.5	4.0	3.8	4.2	4.5
6H	4.3	4.7	4.6	5.0	5.3	3.4	3.8	3.7	4.1	4.5
8H	4.2	4.6	4.6	4.9	5.3	3.3	3.7	3.7	4.1	4.4
12H	4.1	4.5	4.5	4.9	5.3	3.3	3.6	3.7	4.0	4.4
8H 4H	4.2	4.6	4.6	4.9	5.3	3.3	3.7	3.7	4.1	4.4
6H	4.1	4.4	4.5	4.8	5.2	3.2	3.5	3.6	3.9	4.3
8H	4.0	4.3	4.5	4.7	5.2	3.1	3.4	3.6	3.9	4.3
12H	4.0	4.2	4.4	4.7	5.1	3.1	3.3	3.6	3.8	4.2
12H 4H	4.1	4.5	4.6	4.9	5.3	3.3	3.6	3.7	4.0	4.4
6H	4.0	4.3	4.5	4.7	5.2	3.1	3.4	3.6	3.9	4.3
8H	4.0	4.2	4.4	4.7	5.1	3.1	3.3	3.6	3.8	4.2
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / - 9.5					+ 2.4 / - 6.6				
1.5H	+ 3.6 / - 3.8					+ 3.9 / - 3.9				
2.0H	+ 5.0 / -15.0					+ 3.2 / -12.4				

CIE Pub.117, 2031 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.5)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sunny
Test Date:2023-04-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.500m [K=1.0000]
Remarks: SDCM0.9

UTILIZATION FACTORS TABLE

Test:U:47.19V I:0.4928A P:23.25W PF:1.000 Freq:60.00Hz Lamp Flux:2031.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:3020K-Ra91	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

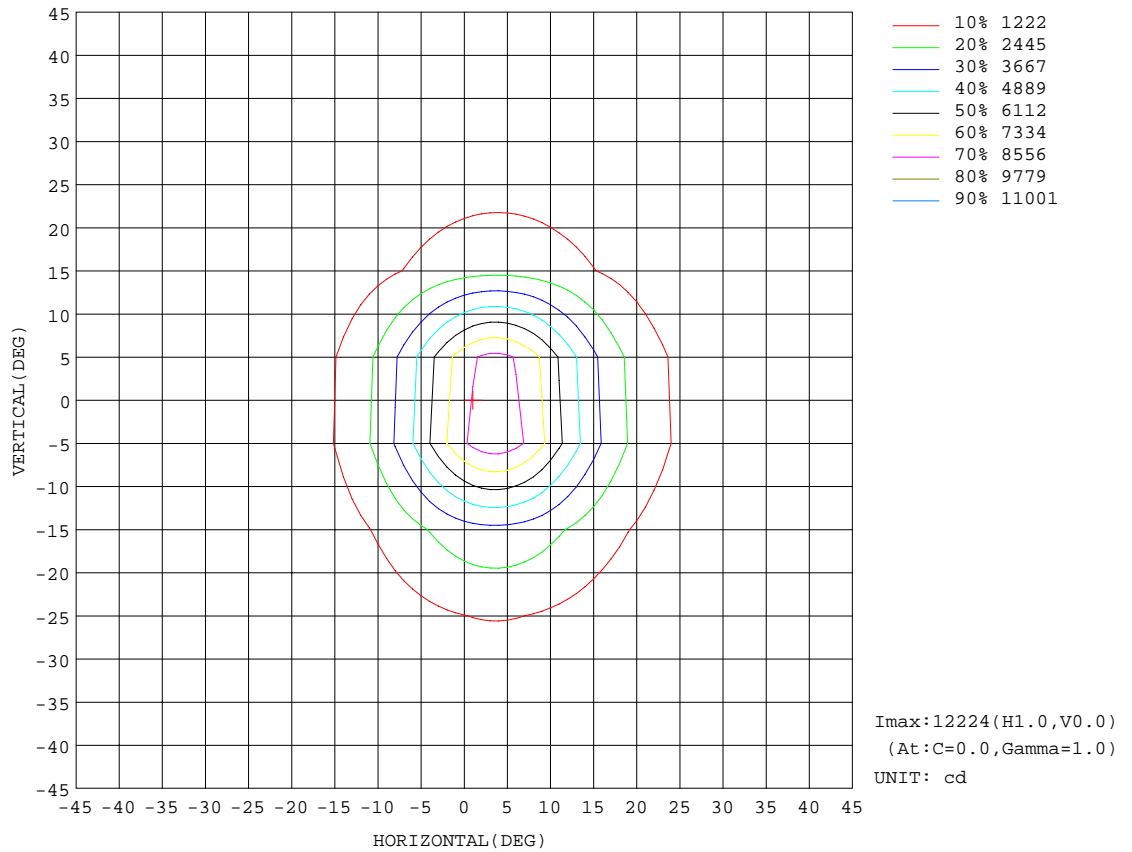
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	84	81	90	84	81	89	84	80	77
0.80	97	92	88	97	91	88	95	91	88	85
1.00	101	96	93	100	96	92	99	95	92	88
1.25	105	100	97	104	99	96	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	116	113	112	113	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sunny
Test Date:2023-04-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.500m [K=1.0000]
Remarks: SDCM0.9

ISOCANDELA DIAGRAM

Test:U:47.19V I:0.4928A P:23.25W PF:1.000 Freq:60.00Hz Lamp Flux:2031.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:3020K-Ra91	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

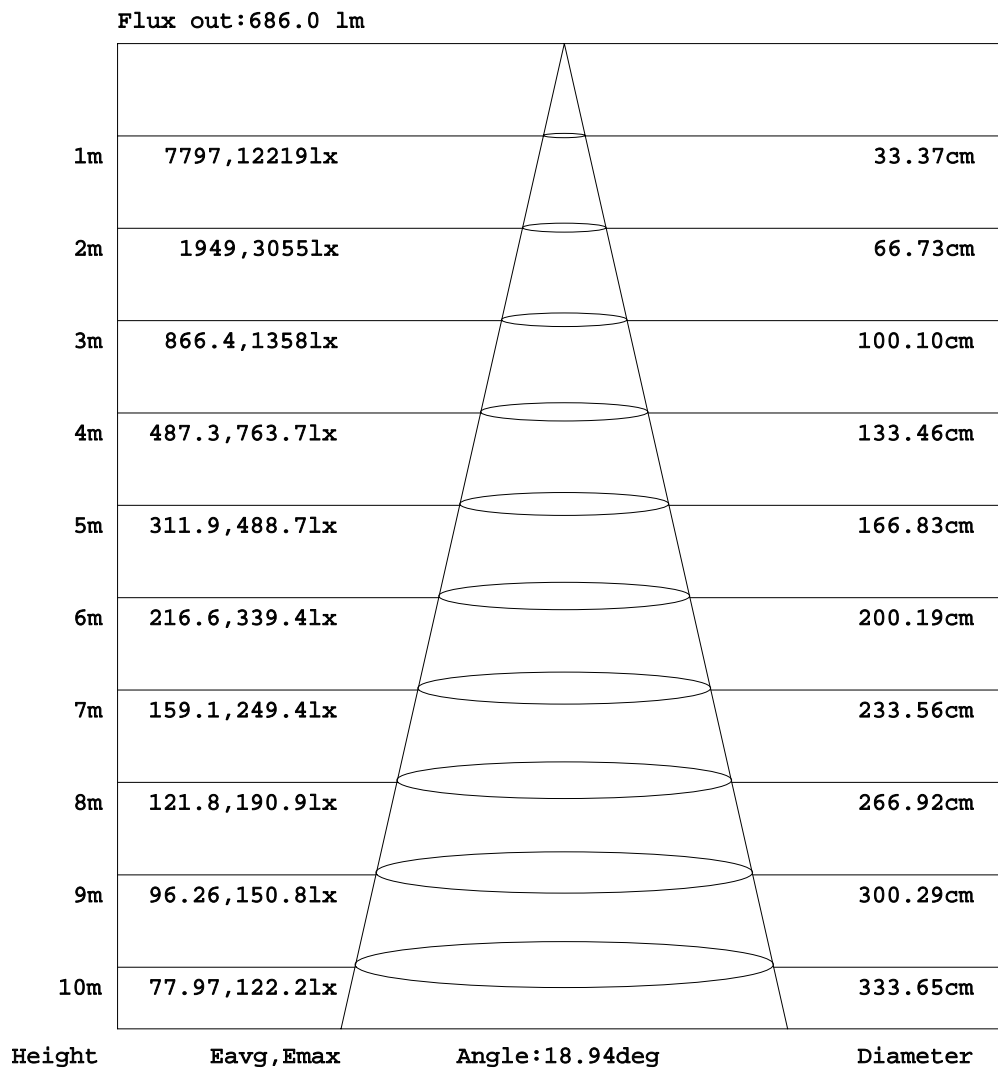


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sunny
Test Date:2023-04-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.500m [K=1.0000]
Remarks: SDCM0.9

AAI Figure

Test:U:47.19V I:0.4928A P:23.25W PF:1.000 Freq:60.00Hz Lamp Flux:2031.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:3020K-Ra91	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

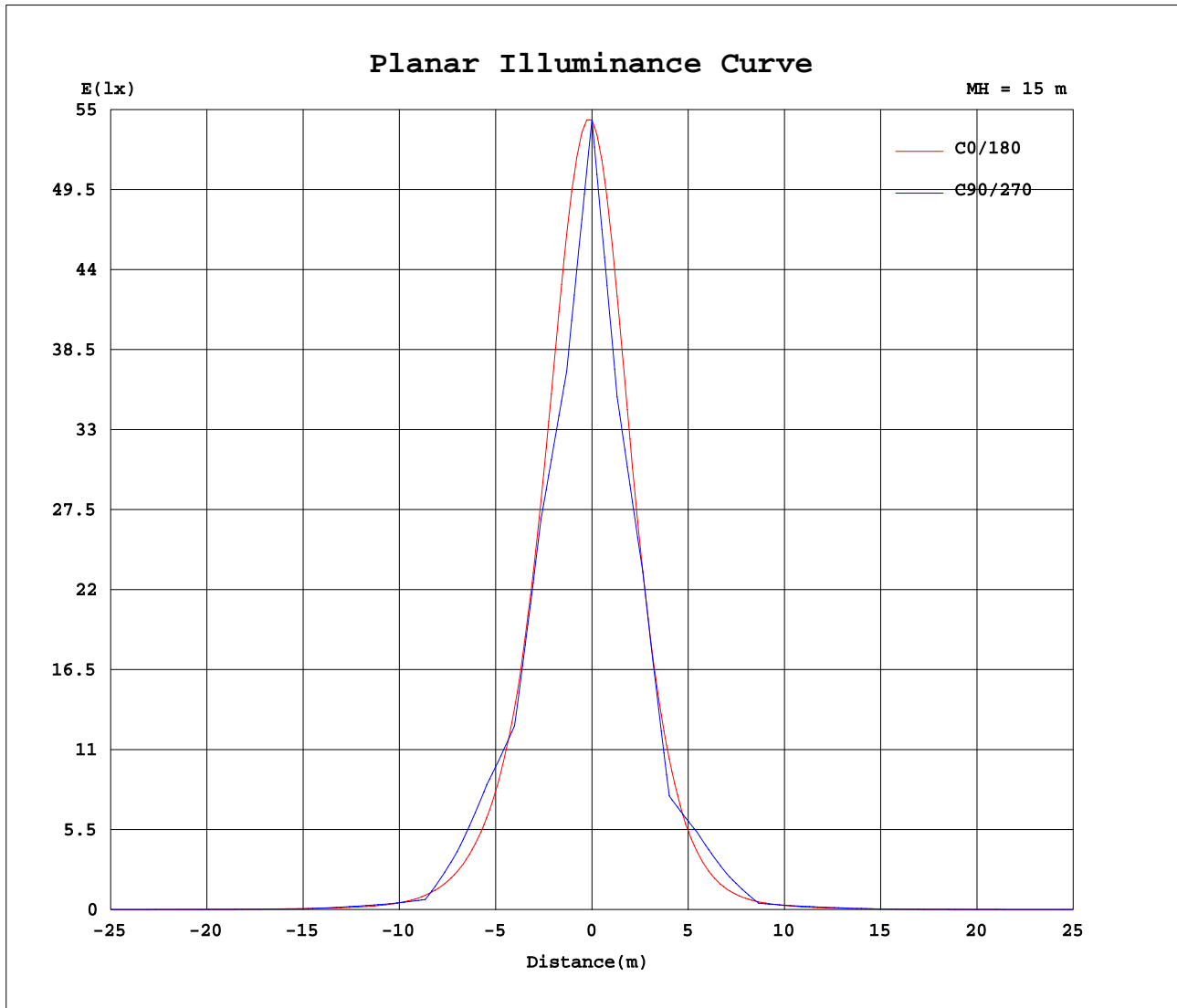


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sunny
Test Date:2023-04-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.500m [K=1.0000]
Remarks: SDCM0.9

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:sunny
 Test Date:2023-04-10

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:8.500m [K=1.0000]
 Remarks: SDCM0.9

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:47.19V I:0.4928A P:23.25W PF:1.000 Freq:60.00Hz Lamp Flux:2031.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:3020K-Ra91	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: x10cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222
5	1057	1046	1036	1028	1022	1016	1011	1006	999	990	981	970	955	940	921	902	883	861	842
10	662	670	684	702	723	747	769	741	716	695	676	661	651	643	638	635	635	634	632
15	346	366	391	422	445	414	385	357	329	336	351	364	373	375	372	362	348	332	316
20	172	189	210	225	200	175	157	173	190	207	214	215	217	219	222	227	230	233	233
25	79.3	93.2	110	98.5	81.0	79.5	93.3	109	106	101	96.4	103	114	124	132	136	135	129	121
30	34.4	43.6	49.2	38.7	36.1	46.2	50.8	46.0	42.1	49.1	56.6	61.9	59.3	54.6	47.7	39.5	31.8	26.4	24.3
35	15.2	20.2	19.9	15.3	20.7	22.8	19.0	20.7	25.5	26.0	22.1	14.9	15.2	16.6	17.6	18.1	18.1	17.6	16.8
40	8.03	10.5	9.11	9.52	11.4	9.18	10.5	12.2	10.3	8.15	9.37	10.7	11.2	11.2	11.2	11.1	11.0	10.9	10.7
45	5.00	6.43	5.07	6.66	5.64	5.95	6.26	4.99	5.50	6.25	6.13	5.86	5.76	5.70	5.44	5.00	4.52	4.12	3.89
50	3.11	3.93	3.56	3.89	3.59	3.80	3.26	3.71	3.55	3.23	3.35	3.25	3.07	2.99	2.95	2.93	2.90	2.90	2.87
55	1.29	1.92	2.32	1.57	2.18	1.71	2.22	1.75	1.84	2.04	1.96	1.87	1.88	1.89	1.89	1.87	1.84	1.80	1.74
60	0.23	0.44	0.76	0.76	0.41	0.88	0.62	0.78	0.81	0.84	0.99	1.04	0.96	0.87	0.80	0.75	0.71	0.69	0.68
65	0.00	0.01	0.02	0.04	0.14	0.06	0.15	0.18	0.32	0.33	0.19	0.05	0.18	0.29	0.37	0.42	0.44	0.46	0.45
70	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.00	0.00	0.00	0.05	0.11	0.16	0.18	0.20	0.22	0.22	0.23
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.02	0.02	0.01	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sunny
Test Date:2023-04-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.500m [K=1.0000]
Remarks: SDCM0.9

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:47.19V I:0.4928A P:23.25W PF:1.000 Freq:60.00Hz Lamp Flux:2031.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:3020K-Ra91	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222
5	822	805	790	777	768	762	760	761	765	774	786	800	818	840	865	894	925	960	923
10	625	614	597	576	550	521	490	458	426	396	368	343	367	397	429	464	503	547	501
15	301	290	282	277	273	271	269	267	266	257	224	195	171	149	168	195	225	258	223
20	228	217	201	181	159	137	116	96.5	91.6	98.6	104	107	91.0	74.5	61.2	72.0	89.3	108	88.5
25	111	103	96.0	90.4	85.4	80.5	75.6	67.5	52.6	40.5	31.3	37.1	40.7	37.7	29.5	25.7	34.1	43.0	33.7
30	25.0	27.2	29.2	29.9	29.1	27.0	24.2	25.1	25.7	25.1	19.8	15.3	15.2	17.3	15.8	12.5	14.7	18.7	14.4
35	15.7	14.7	13.7	12.8	12.0	11.3	10.8	10.6	9.66	9.54	10.5	10.2	7.97	7.85	9.11	7.40	7.41	9.56	7.30
40	10.4	9.87	9.16	8.31	7.40	6.54	6.01	5.99	5.95	5.55	4.90	5.33	5.57	4.46	4.83	4.80	4.26	5.52	4.21
45	3.86	4.03	4.26	4.44	4.53	4.53	4.28	3.79	3.33	3.47	3.65	3.12	3.18	3.28	2.75	3.31	2.62	3.52	2.59
50	2.82	2.72	2.62	2.49	2.35	2.20	2.23	2.39	2.48	2.13	1.96	2.31	1.92	1.94	1.82	1.93	1.58	2.28	1.52
55	1.68	1.62	1.57	1.54	1.52	1.51	1.47	1.27	0.95	1.08	1.20	0.90	1.15	0.73	1.04	0.58	0.66	1.05	0.61
60	0.68	0.68	0.68	0.67	0.65	0.62	0.58	0.63	0.62	0.41	0.19	0.41	0.23	0.34	0.10	0.07	0.15	0.28	0.12
65	0.42	0.39	0.34	0.28	0.22	0.13	0.05	0.08	0.12	0.12	0.10	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
70	0.22	0.21	0.19	0.15	0.11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.01	0.02	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sunny
Test Date:2023-04-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.500m [K=1.0000]
Remarks: SDCM0.9

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:47.19V I:0.4928A P:23.25W PF:1.000 Freq:60.00Hz Lamp Flux:2031.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:3020K-Ra91	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--3

UNIT: x10cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222
5	889	858	830	806	785	768	754	743	736	732	732	736	743	753	767	783	802	821	842
10	459	421	386	353	325	344	365	388	412	437	461	483	503	519	531	540	547	549	552
15	192	162	141	157	175	197	221	225	221	216	210	203	196	190	187	189	195	207	222
20	70.3	58.0	68.3	80.9	92.7	87.3	79.7	68.8	67.8	79.0	91.0	103	115	126	135	141	145	145	145
25	24.8	27.5	34.2	35.9	31.5	25.0	30.9	38.6	48.0	52.5	54.8	57.1	59.3	62.0	65.4	69.9	75.1	80.2	84.0
30	12.0	14.6	15.6	13.3	12.8	16.1	19.7	19.8	19.1	18.3	19.7	20.6	20.5	19.4	17.7	16.1	15.4	16.6	20.0
35	7.08	8.45	7.13	6.99	8.65	8.83	7.98	7.95	8.44	8.32	8.49	8.79	9.13	9.53	10.00	10.5	11.0	11.4	11.6
40	4.62	4.57	4.12	4.98	4.70	4.28	4.71	4.91	4.87	4.83	5.17	5.67	6.12	6.52	6.83	7.04	7.16	7.23	7.29
45	3.21	2.63	3.05	2.88	2.79	3.17	2.94	2.75	3.07	3.43	3.57	3.52	3.40	3.23	3.09	2.99	2.99	3.12	3.38
50	1.82	1.64	1.72	1.62	1.99	1.65	1.71	1.91	1.78	1.65	1.70	1.83	1.91	1.98	2.05	2.08	2.10	2.13	2.15
55	0.49	0.87	0.55	0.86	0.63	0.90	0.74	0.54	0.82	1.05	1.11	1.09	1.06	1.07	1.09	1.13	1.16	1.20	1.25
60	0.04	0.06	0.20	0.14	0.24	0.02	0.19	0.35	0.39	0.38	0.36	0.31	0.27	0.27	0.27	0.26	0.25	0.26	0.28
65	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.06	0.05	0.00	0.00	0.00	0.01	0.06	0.11	0.15	0.17	0.17	0.16
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.07	0.08	0.08	0.08	0.07
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sunny
Test Date:2023-04-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.500m [K=1.0000]
Remarks: SDCM0.9

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:47.19V I:0.4928A P:23.25W PF:1.000 Freq:60.00Hz Lamp Flux:2031.49x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:3020K-Ra91	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--4

UNIT: x10cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222	1222				
5	862	882	901	918	934	948	960	971	981	990	998	1007	1018	1029	1042				
10	555	562	572	585	601	621	645	671	701	733	717	700	685	673	665				
15	239	255	268	278	283	284	282	287	321	354	388	422	405	380	360				
20	143	142	141	141	141	142	143	142	138	134	157	185	212	202	185				
25	85.6	84.6	81.2	76.2	70.1	66.4	70.1	73.2	75.9	70.5	64.9	71.4	90.8	104	90.3				
30	24.9	30.5	35.6	39.5	41.9	38.9	34.2	29.7	32.5	35.9	34.3	29.5	34.7	45.9	41.8				
35	11.5	11.3	10.8	10.1	10.2	15.3	18.3	18.1	15.0	14.2	16.9	16.2	13.3	18.4	19.3				
40	7.36	7.43	7.49	7.53	7.33	6.69	6.06	7.71	9.15	8.15	7.41	9.10	8.16	8.46	10.0				
45	3.67	3.92	4.10	4.15	4.24	4.45	4.64	4.26	3.99	5.04	4.95	4.84	5.80	4.73	6.19				
50	2.17	2.21	2.26	2.31	2.42	2.44	2.32	2.65	2.88	2.61	3.14	3.06	3.44	3.27	3.78				
55	1.28	1.30	1.31	1.31	1.29	1.31	1.27	1.20	1.27	1.70	1.19	1.70	1.27	2.01	1.80				
60	0.32	0.37	0.45	0.56	0.66	0.60	0.47	0.43	0.40	0.33	0.55	0.24	0.56	0.60	0.39				
65	0.13	0.08	0.01	0.00	0.00	0.11	0.19	0.16	0.04	0.01	0.03	0.07	0.02	0.00	0.01				
70	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00				
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:sunny
Test Date:2023-04-10

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.500m [K=1.0000]
Remarks: SDCM0.9