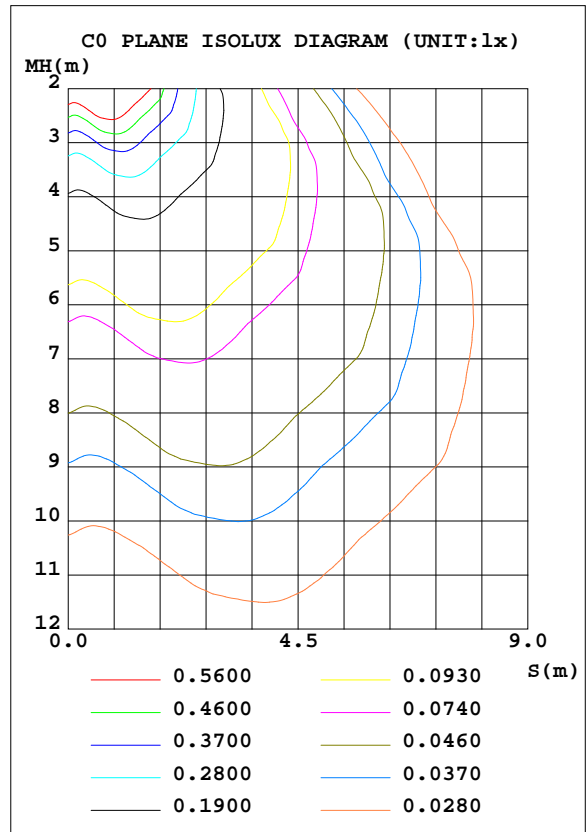
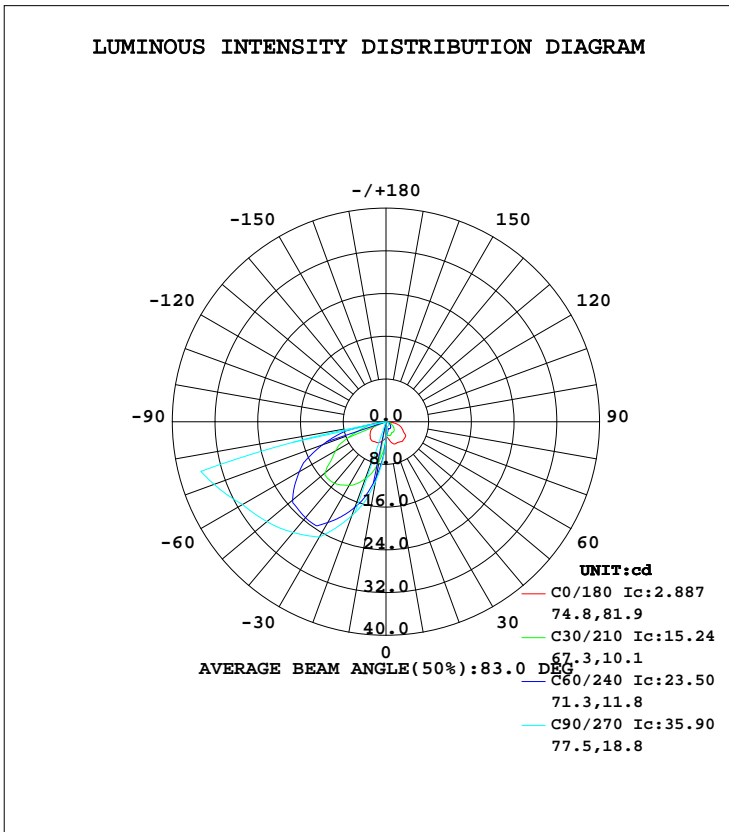


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:11.94V I:0.2803A P:3.143W PF:0.9393 Lamp Flux:1000x1 lm		
NAME: 489903-3000K	TYPE:489903-3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 27.63 lm/W			
MODEL	489903-3000K	Imax(cd)	35.90	S/MH(C0/180)	1.95
NOMINAL POWER(W)	3	LOR(%)	8.7	S/MH(C90/270)	4.96
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	43.417	η UP, DN(C0-180)	0.0,0.8
NOMINAL FLUX(lm)	500	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,7.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	8.7	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: LOW  
 Temperature:20DEG  
 Operators:G  
 Test Date:2022-11-03

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	2.938	2.449	2.289	2.704	3.289	6.140	7.154	5.816	0- 5	0.0894	0.0894	0.21,0.02
10	3.423	2.232	1.631	2.406	3.635	9.224	11.36	8.834	5- 10	0.3483	0.4377	1.01,0.09
15	4.034	2.058	0.9723	2.087	3.954	12.18	15.57	11.86	10- 15	0.7289	1.167	2.69,0.23
20	4.436	1.786	0.9453	1.708	4.179	14.94	18.69	14.79	15- 20	1.209	2.375	5.47,0.48
25	4.487	1.822	0.9184	1.713	4.266	16.48	21.80	17.23	20- 25	1.748	4.123	9.5,0.82
30	4.472	1.869	0.8914	1.740	4.315	18.07	24.92	19.36	25- 30	2.335	6.458	14.9,1.29
35	4.600	1.849	0.8532	1.718	4.432	19.48	25.99	21.64	30- 35	2.941	9.399	21.6,1.88
40	4.799	1.759	0.8150	1.642	4.398	20.63	27.07	23.60	35- 40	3.483	12.88	29.7,2.58
45	4.718	1.627	0.7768	1.522	4.174	19.94	28.14	23.02	40- 45	3.925	16.81	38.7,3.36
50	4.642	1.439	0.7082	1.363	3.931	18.83	29.10	21.61	45- 50	4.233	21.04	48.5,4.21
55	4.520	1.210	0.6396	1.165	3.603	17.45	30.05	19.76	50- 55	4.361	25.40	58.5,5.08
60	3.777	1.005	0.5710	0.9499	3.288	14.84	31.01	17.06	55- 60	4.323	29.72	68.5,5.94
65	3.442	0.7750	0.4967	0.7203	2.790	12.41	32.64	14.51	60- 65	4.143	33.87	78,6.77
70	3.055	0.5658	0.4224	0.5170	2.141	9.595	34.27	12.11	65- 70	3.787	37.66	86.7,7.53
75	2.533	0.4038	0.3481	0.3589	1.415	6.401	35.90	9.759	70- 75	3.351	41.01	94.4,8.2
80	1.756	0.2115	0	0.1733	0.7187	3.119	0	6.246	75- 80	2.049	43.05	99.2,8.61
85	0.9127	0	0	0	0.1285	0	0	0	80- 85	0.3327	43.39	99.9,8.68
90	0	0	0	0	0.0846	0	0	0	85- 90	0.0296	43.42	100,8.68
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

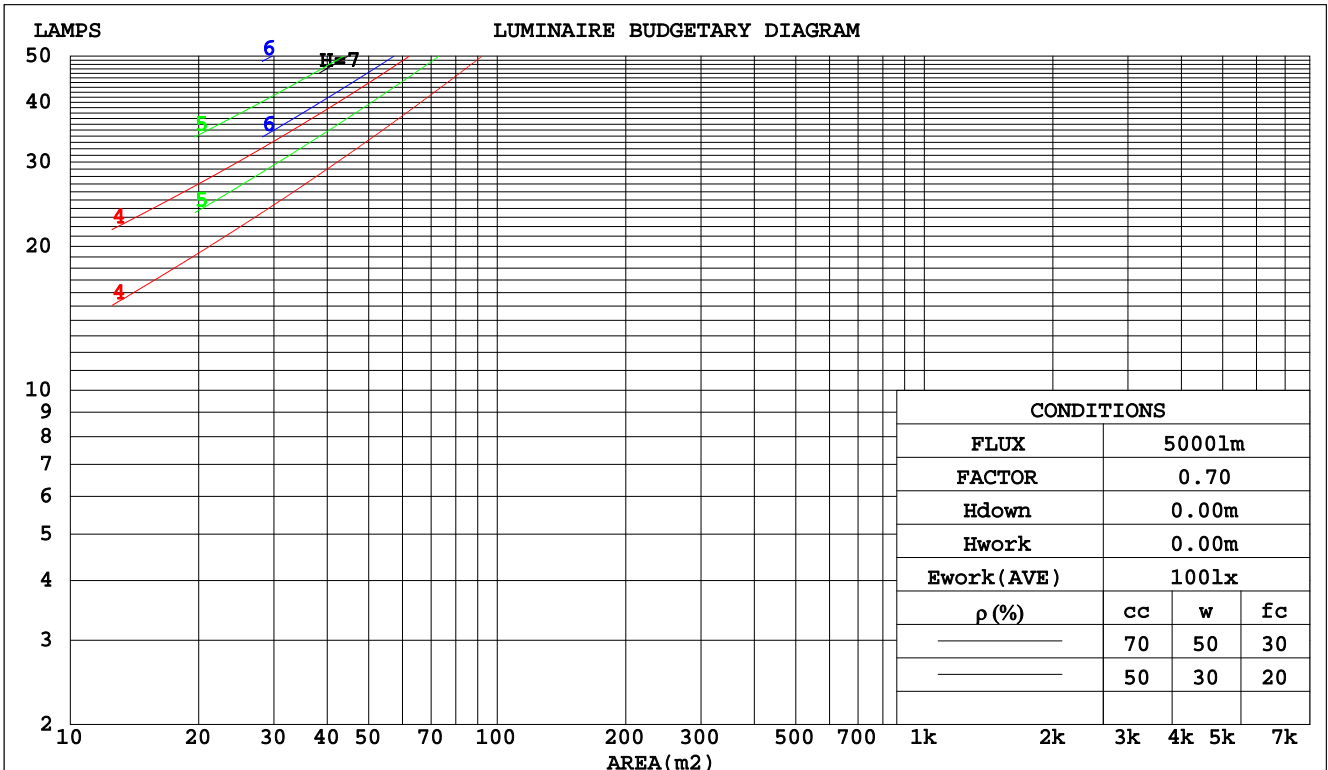
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: LOW  
Temperature:20DEG  
Operators:G  
Test Date:2022-11-03

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:11.94V I:0.2803A P:3.143W PF:0.9393 Lamp Flux:1000x1 lm		
NAME: 489903-3000K	TYPE:489903-3000K	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																
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	.10	.10	.10	.10	.10	.10	.10	.10	.10	.09	.09	.09	.09	.09	.09	.09
1.0	.09	.08	.08	.09	.08	.08	.08	.08	.08	.08	.08	.07	.08	.07	.07	.07
2.0	.07	.07	.06	.07	.07	.06	.07	.06	.06	.07	.06	.06	.06	.06	.06	.05
3.0	.06	.06	.05	.06	.05	.05	.06	.05	.05	.06	.05	.05	.05	.05	.05	.04
4.0	.05	.05	.04	.05	.05	.04	.05	.04	.04	.05	.04	.04	.05	.04	.04	.04
5.0	.05	.04	.03	.05	.04	.03	.05	.04	.03	.04	.04	.03	.04	.04	.03	.03
6.0	.04	.03	.03	.04	.03	.03	.04	.03	.03	.04	.03	.03	.04	.03	.03	.02
7.0	.04	.03	.02	.04	.03	.02	.04	.03	.02	.03	.03	.02	.03	.03	.02	.02
8.0	.03	.03	.02	.03	.03	.02	.03	.03	.02	.03	.02	.02	.03	.02	.02	.02
9.0	.03	.02	.02	.03	.02	.02	.03	.02	.02	.03	.02	.02	.03	.02	.02	.02
10.0	.03	.02	.02	.03	.02	.02	.03	.02	.02	.03	.02	.02	.03	.02	.02	.01



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: LOW  
 Temperature:20DEG  
 Operators:G  
 Test Date:2022-11-03

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:11.94V I:0.2803A P:3.143W PF:0.9393 Lamp Flux:1000x1 lm		
NAME: 489903-3000K	TYPE:489903-3000K	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	.031	.017	.006	.030	.017	.005	.029	.017	.005	.028	.016	.005	.027	.016	.005	
2.0	.029	.016	.005	.029	.016	.005	.028	.015	.005	.027	.015	.005	.026	.015	.005	
3.0	.027	.014	.004	.026	.014	.004	.025	.014	.004	.025	.013	.004	.024	.013	.004	
4.0	.025	.013	.004	.024	.013	.004	.023	.012	.004	.022	.012	.004	.022	.012	.004	
5.0	.022	.011	.003	.022	.011	.003	.021	.011	.003	.021	.011	.003	.020	.011	.003	
6.0	.021	.010	.003	.020	.010	.003	.020	.010	.003	.019	.010	.003	.018	.010	.003	
7.0	.019	.009	.003	.019	.009	.003	.018	.009	.003	.018	.009	.003	.017	.009	.003	
8.0	.018	.009	.002	.017	.009	.002	.017	.008	.002	.016	.008	.002	.016	.008	.002	
9.0	.016	.008	.002	.016	.008	.002	.016	.008	.002	.015	.008	.002	.015	.008	.002	
10.0	.015	.007	.002	.015	.007	.002	.015	.007	.002	.014	.007	.002	.014	.007	.002	

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	.017	.017	.017	.014	.014	.014	.010	.010	.010	.006	.006	.006	.002	.002	.002	
1.0	.016	.014	.011	.014	.012	.010	.009	.008	.007	.005	.005	.004	.002	.001	.001	
2.0	.015	.011	.008	.013	.010	.007	.009	.007	.005	.005	.004	.003	.002	.001	.001	
3.0	.015	.010	.006	.013	.009	.005	.009	.006	.004	.005	.003	.002	.002	.001	.001	
4.0	.014	.009	.005	.012	.008	.004	.008	.005	.003	.005	.003	.002	.002	.001	.001	
5.0	.014	.008	.004	.012	.007	.003	.008	.005	.002	.005	.003	.001	.002	.001	.000	
6.0	.013	.007	.003	.011	.006	.003	.008	.004	.002	.004	.003	.001	.001	.001	.000	
7.0	.012	.007	.003	.011	.006	.002	.007	.004	.002	.004	.002	.001	.001	.001	.000	
8.0	.012	.006	.002	.010	.005	.002	.007	.004	.001	.004	.002	.001	.001	.001	.000	
9.0	.011	.006	.002	.010	.005	.002	.007	.004	.001	.004	.002	.001	.001	.001	.000	
10.0	.011	.005	.002	.009	.005	.002	.006	.003	.001	.004	.002	.001	.001	.001	.000	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: LOW  
 Temperature:20DEG  
 Operators:G  
 Test Date:2022-11-03

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:11.94V I:0.2803A P:3.143W PF:0.9393 Lamp Flux:1000x1 lm										
NAME: 489903-3000K					TYPE:489903-3000K			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	-3.9	-2.2	-3.6	-2.0	-1.7	-12.0	-10.3	-11.7	-10.0	-9.8
3H	-1.3	0.3	-1.0	0.6	0.8	-10.7	-9.1	-10.4	-8.9	-8.6
4H	0.1	1.6	0.4	1.8	2.1	-10.1	-8.6	-9.8	-8.3	-8.0
6H	1.2	2.6	1.6	2.9	3.2	-10.0	-8.6	-9.7	-8.3	-8.0
8H	1.7	3.1	2.0	3.3	3.6	-10.1	-8.7	-9.7	-8.4	-8.1
12H	2.0	3.3	2.3	3.6	3.9	-10.1	-8.8	-9.8	-8.5	-8.2
4H 2H	-4.1	-2.5	-3.7	-2.3	-2.0	-10.6	-9.0	-10.2	-8.8	-8.5
3H	-1.3	0.0	-1.0	0.3	0.6	-9.4	-8.0	-9.0	-7.7	-7.4
4H	0.1	1.3	0.5	1.7	2.0	-8.8	-7.6	-8.4	-7.3	-6.9
6H	1.4	2.5	1.8	2.9	3.2	-8.8	-7.7	-8.3	-7.3	-6.9
8H	1.9	3.0	2.4	3.3	3.7	-8.8	-7.8	-8.4	-7.4	-7.0
12H	2.3	3.2	2.7	3.6	4.0	-8.8	-7.9	-8.4	-7.5	-7.1
8H 4H	0.0	1.1	0.5	1.4	1.8	-8.1	-7.1	-7.7	-6.7	-6.4
6H	1.4	2.3	1.9	2.7	3.1	-8.0	-7.2	-7.6	-6.8	-6.4
8H	2.0	2.8	2.5	3.2	3.6	-8.1	-7.3	-7.6	-6.9	-6.4
12H	2.5	3.1	2.9	3.6	4.0	-8.1	-7.5	-7.6	-7.0	-6.5
12H 4H	-0.0	0.9	0.4	1.3	1.7	-7.9	-7.0	-7.5	-6.6	-6.2
6H	1.4	2.1	1.8	2.6	3.0	-7.8	-7.1	-7.3	-6.6	-6.2
8H	2.0	2.6	2.5	3.1	3.6	-7.8	-7.2	-7.4	-6.7	-6.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.4					+ 0.3 / - 0.5				
1.5H	+ 1.3 / - 0.9					+ 0.4 / - 0.5				
2.0H	+ 2.0 / - 1.7					+ 0.5 / - 0.7				

CIE Pub.117 Corrected 500.0 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.4)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: LOW  
Temperature:20DEG  
Operators:G  
Test Date:2022-11-03

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:11.94V I:0.2803A P:3.143W PF:0.9393 Lamp Flux:1000x1 lm		
NAME: 489903-3000K	TYPE:489903-3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

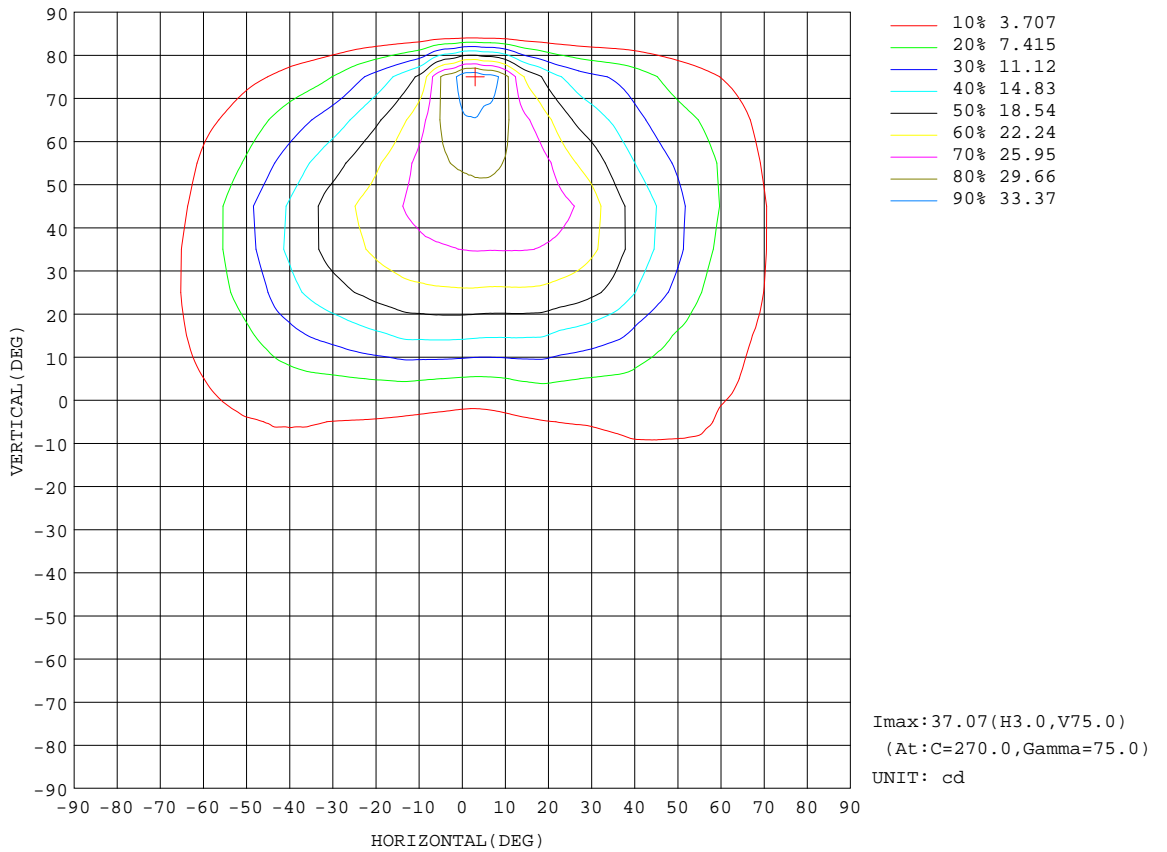
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	4	3	2	4	3	2	4	3	2	2
0.80	5	4	3	5	4	3	5	4	3	3
1.00	6	5	4	6	5	4	6	5	4	3
1.25	7	6	5	6	5	5	6	5	5	4
1.50	7	6	5	7	6	5	7	6	5	4
2.00	8	7	6	8	7	6	7	7	6	5
2.50	8	7	7	8	7	7	8	7	7	6
3.00	9	8	7	8	8	7	8	7	7	6
4.00	9	8	8	9	8	8	8	8	8	7
5.00	9	9	8	9	9	8	9	8	8	7
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: LOW  
Temperature:20DEG  
Operators:G  
Test Date:2022-11-03

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

**ISOCANDELA DIAGRAM**

Test:U:11.94V I:0.2803A P:3.143W PF:0.9393 Lamp Flux:1000x1 lm		
NAME: 489903-3000K	TYPE:489903-3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

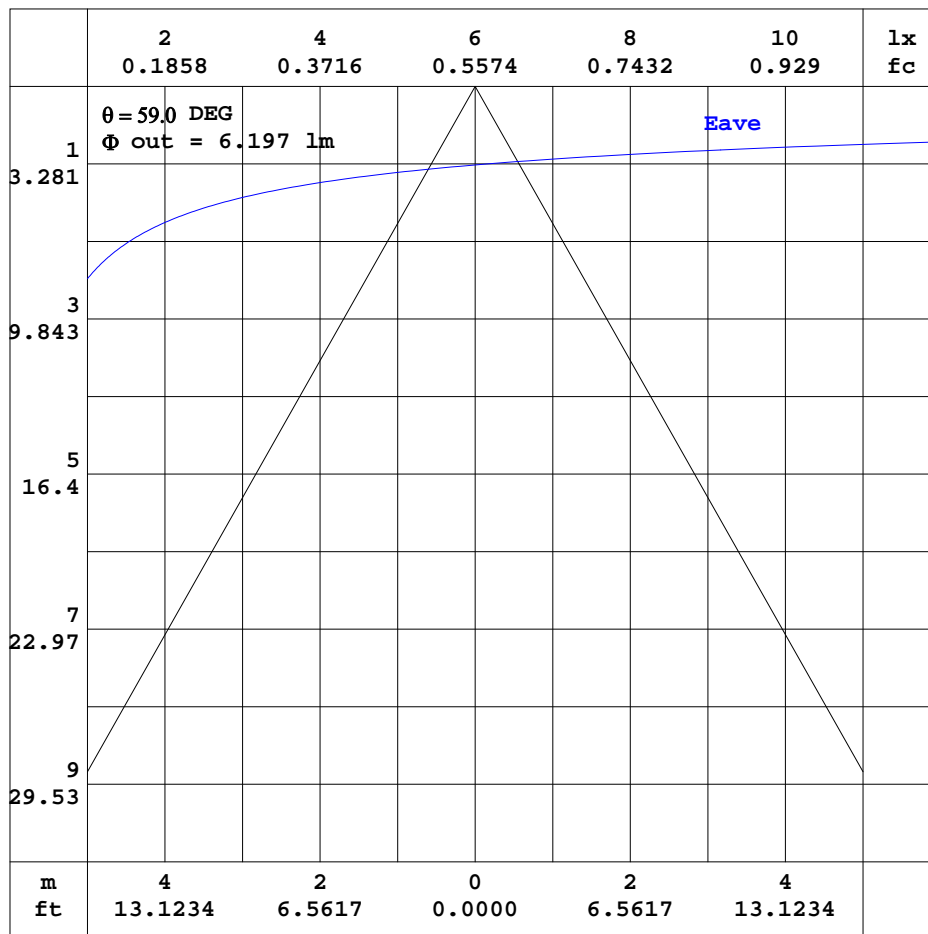


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: LOW  
 Temperature: 20DEG  
 Operators: G  
 Test Date: 2022-11-03

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.750m [K=1.0000]  
 Remarks:

AAI CURVES

Test:U:11.94V I:0.2803A P:3.143W PF:0.9393 Lamp Flux:1000x1 lm		
NAME: 489903-3000K	TYPE:489903-3000K	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.

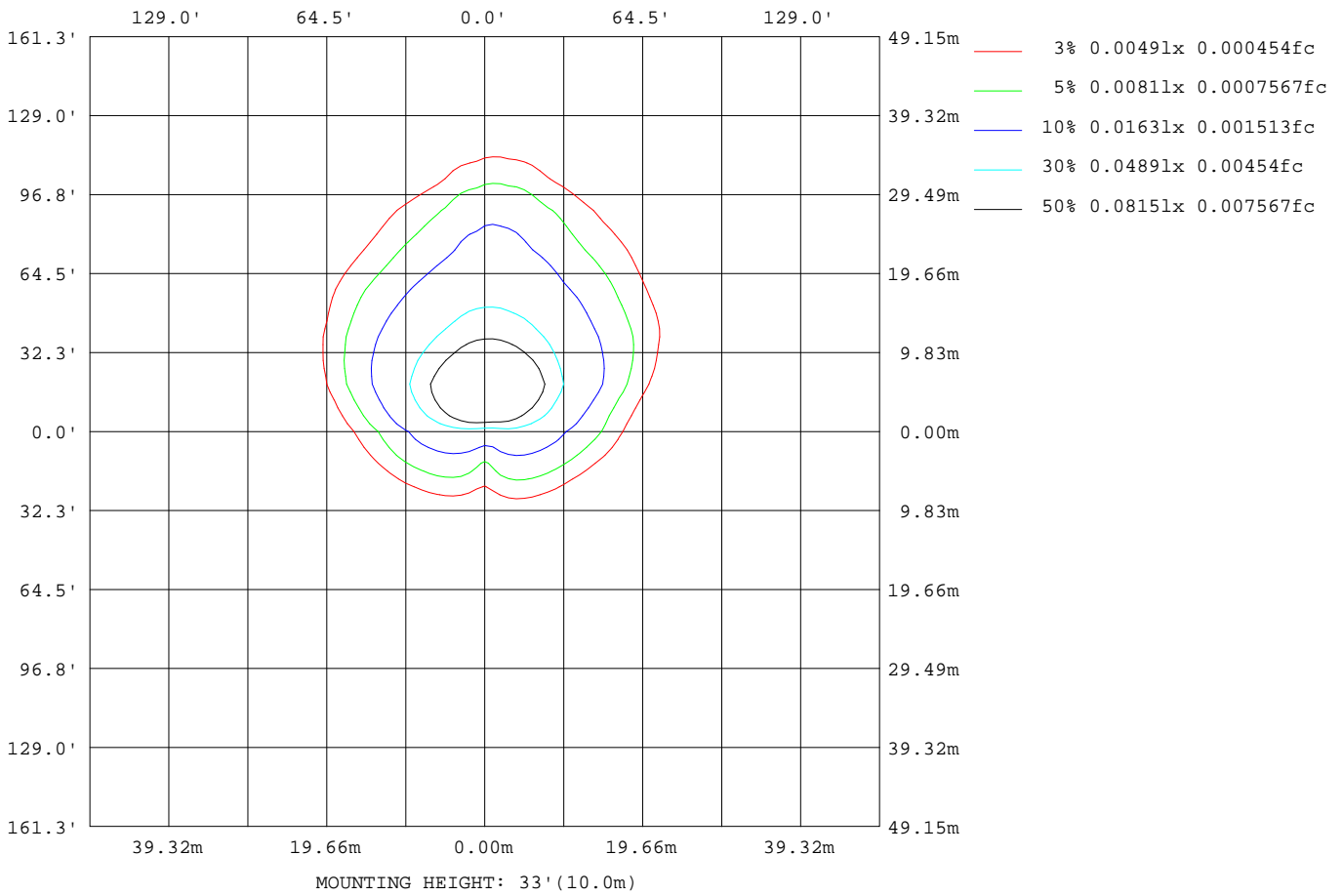
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: LOW  
Temperature:20DEG  
Operators:G  
Test Date:2022-11-03

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:



**ISOLUX DIAGRAM**

Test:U:11.94V I:0.2803A P:3.143W PF:0.9393 Lamp Flux:1000x1 lm		
NAME: 489903-3000K	TYPE:489903-3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: LOW  
 Temperature:20DEG  
 Operators:G  
 Test Date:2022-11-03

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:8.750m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:11.94V I:0.2803A P:3.143W PF:0.9393 Lamp Flux:1000x1 lm		
NAME: 489903-3000K	TYPE:489903-3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

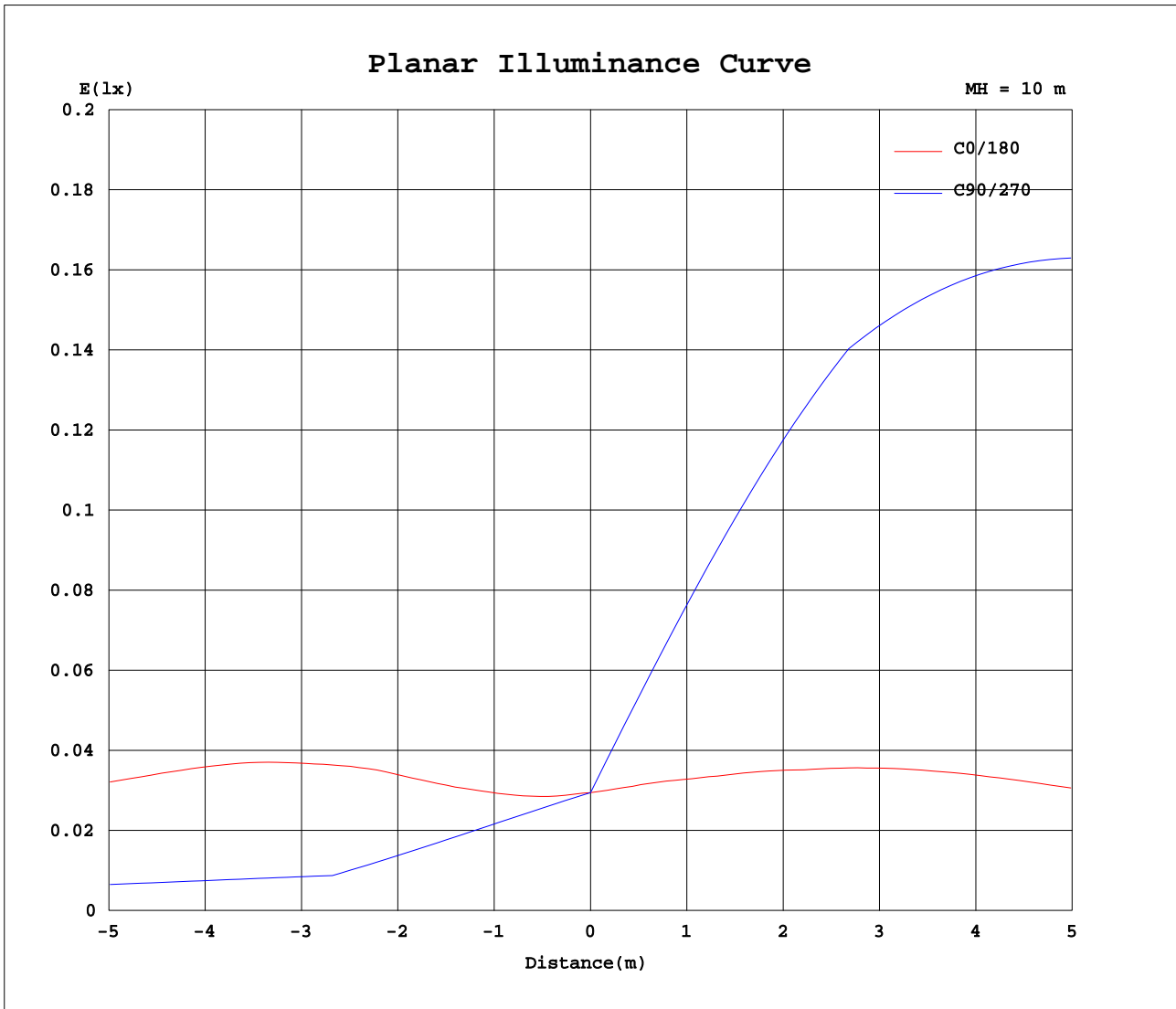
AvgL	cd/m2
L_0~180(65)av	37
L_0~180(75)av	38
L_0~180(85)av	30
L_90~270(65)av	196
L_90~270(75)av	350
L_90~270(85)av	0
L_45(65)av	84
L_45(75)av	82
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: LOW  
Temperature:20DEG  
Operators:G  
Test Date:2022-11-03

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: LOW  
 Temperature: 20DEG  
 Operators: G  
 Test Date: 2022-11-03

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 8.750m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.94V I:0.2803A P:3.143W PF:0.9393 Lamp Flux:1000x1 lm		
NAME: 489903-3000K	TYPE:489903-3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95
5	2.94	2.89	2.83	2.77	2.72	2.66	2.60	2.55	2.50	2.45	2.40	2.36	2.33	2.30	2.29	2.28	2.28	2.28	2.29
10	3.42	3.30	3.17	3.04	2.90	2.76	2.62	2.48	2.35	2.23	2.11	2.00	1.90	1.81	1.74	1.68	1.64	1.62	1.63
15	4.03	3.83	3.61	3.39	3.17	2.94	2.71	2.49	2.26	2.06	1.87	1.69	1.53	1.39	1.26	1.14	1.05	0.99	0.97
20	4.44	4.14	3.85	3.54	3.24	2.93	2.63	2.33	2.05	1.79	1.61	1.51	1.41	1.31	1.21	1.12	1.04	0.96	0.95
25	4.49	4.15	3.82	3.49	3.14	2.80	2.43	2.08	1.95	1.82	1.70	1.58	1.47	1.35	1.25	1.14	1.04	0.95	0.92
30	4.47	4.11	3.74	3.37	3.00	2.62	2.33	2.17	2.02	1.87	1.73	1.61	1.48	1.37	1.25	1.14	1.04	0.94	0.89
35	4.60	4.18	3.76	3.33	2.90	2.58	2.37	2.18	2.01	1.85	1.71	1.58	1.45	1.34	1.22	1.12	1.00	0.90	0.85
40	4.80	4.29	3.78	3.27	2.83	2.57	2.33	2.11	1.92	1.76	1.62	1.50	1.38	1.27	1.17	1.07	0.96	0.86	0.81
45	4.72	4.17	3.64	3.11	2.77	2.46	2.19	1.96	1.78	1.63	1.49	1.37	1.27	1.18	1.09	1.00	0.91	0.82	0.78
50	4.64	4.02	3.42	2.92	2.57	2.24	1.97	1.77	1.59	1.44	1.31	1.21	1.13	1.05	0.97	0.90	0.83	0.75	0.71
55	4.52	3.82	3.14	2.69	2.30	1.97	1.74	1.54	1.36	1.21	1.11	1.03	0.95	0.89	0.84	0.79	0.74	0.67	0.64
60	3.78	3.26	2.78	2.34	1.95	1.69	1.46	1.27	1.12	1.00	0.91	0.83	0.76	0.72	0.68	0.66	0.64	0.59	0.57
65	3.44	2.90	2.40	1.94	1.63	1.36	1.16	1.02	0.88	0.77	0.69	0.62	0.58	0.55	0.54	0.53	0.53	0.51	0.50
70	3.06	2.53	2.03	1.62	1.31	1.08	0.91	0.76	0.64	0.57	0.52	0.46	0.42	0.40	0.40	0.40	0.42	0.43	0.42
75	2.53	2.02	1.58	1.23	1.00	0.82	0.67	0.56	0.47	0.40	0.35	0.30	0.26	0.25	0.25	0.27	0.31	0.35	0.35
80	1.76	1.33	0.99	0.79	0.64	0.53	0.44	0.36	0.30	0.21	0.14	0.09	0.06	0.04	0.03	0.02	0.01	0.00	0.00
85	0.91	0.40	0.38	0.35	0.27	0.11	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

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: LOW  
Temperature:20DEG  
Operators:G  
Test Date:2022-11-03

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks:





LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.94V I:0.2803A P:3.143W PF:0.9393 Lamp Flux:1000x1 lm		
NAME: 489903-3000K	TYPE:489903-3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C( DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95				
5	6.95	6.82	6.67	6.48	6.28	6.06	5.82	5.55	5.26	4.97	4.66	4.33	4.00	3.65	3.30				
10	10.9	10.7	10.4	10.1	9.69	9.28	8.83	8.34	7.82	7.26	6.68	6.07	5.44	4.78	4.11				
15	14.9	14.5	14.1	13.6	13.1	12.5	11.9	11.2	10.4	9.63	8.77	7.88	6.95	5.99	5.02				
20	18.1	17.7	17.3	16.8	16.3	15.6	14.8	13.8	12.8	11.7	10.6	9.41	8.17	6.92	5.68				
25	21.2	20.8	20.3	19.8	19.1	18.2	17.2	16.1	14.6	13.1	11.6	10.2	8.76	7.34	5.91				
30	24.3	23.9	23.4	22.7	21.9	20.8	19.4	17.7	16.1	14.3	12.6	11.0	9.33	7.70	6.08				
35	25.9	25.7	25.5	25.2	24.6	23.3	21.6	19.8	17.8	15.7	13.5	11.5	9.71	7.98	6.28				
40	27.1	26.8	26.5	26.0	25.3	24.5	23.6	21.6	19.1	16.7	14.2	11.8	9.77	7.95	6.31				
45	28.2	27.9	27.4	26.6	25.7	24.5	23.0	21.4	20.1	16.9	14.0	11.3	8.89	7.35	5.98				
50	28.7	28.3	27.6	26.8	25.8	24.0	21.6	19.7	17.9	16.4	13.6	10.9	8.44	6.75	5.62				
55	29.1	28.1	26.5	24.7	23.5	21.8	19.8	17.9	16.2	14.4	12.8	10.3	7.76	6.07	5.23				
60	29.3	27.7	24.9	22.2	20.7	18.7	17.1	15.8	14.7	12.7	10.8	8.73	6.80	5.20	4.38				
65	27.6	25.1	21.9	19.4	17.9	16.2	14.5	13.3	12.1	10.9	9.09	7.41	5.90	4.67	3.89				
70	25.1	21.6	18.3	16.2	14.9	13.6	12.1	11.0	10.2	9.16	7.78	6.50	5.06	4.10	3.45				
75	22.3	18.2	15.1	13.3	12.3	11.2	9.76	8.61	8.05	7.66	6.53	5.18	4.24	3.38	2.86				
80	1.50	2.17	2.84	3.64	4.71	5.70	6.25	6.35	5.56	4.99	4.36	3.66	2.85	2.35	2.02				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2.04	1.81	1.44	1.13				
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				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: LOW  
Temperature:20DEG  
Operators:G  
Test Date:2022-11-03

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:8.750m [K=1.0000]  
Remarks: