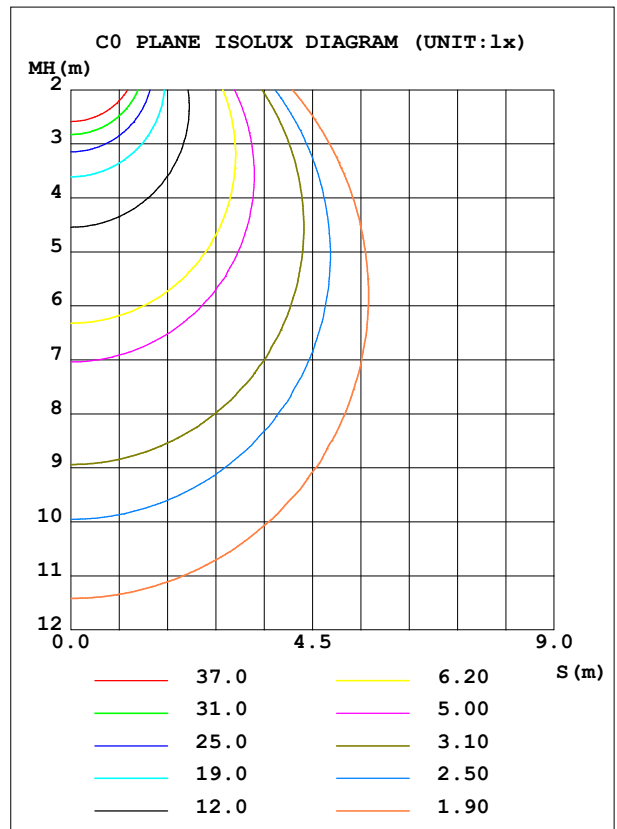
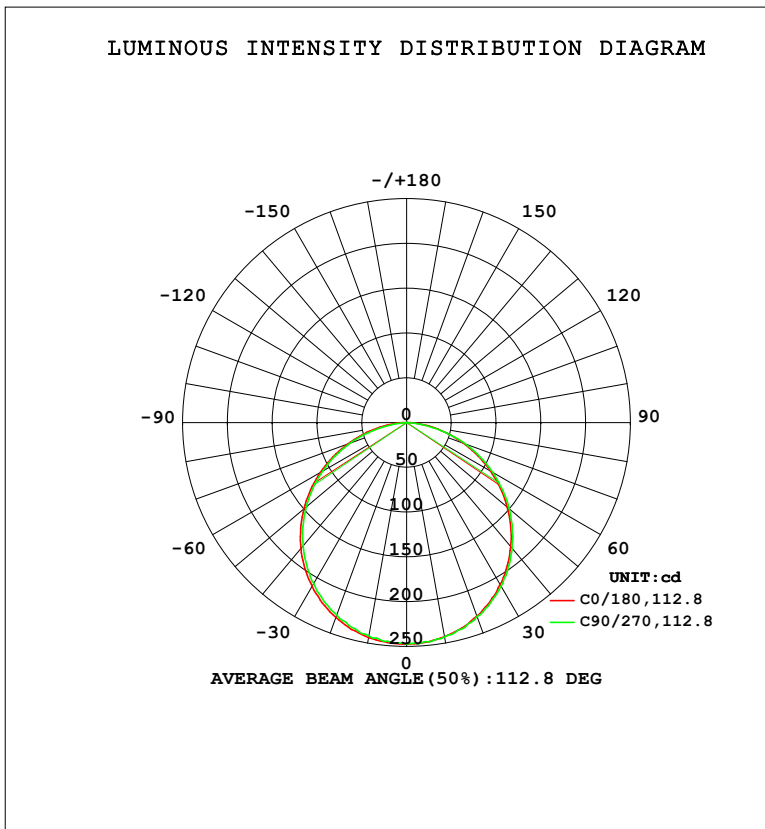


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.87V I:0.1075A P:11.062W PF:0.8587 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:708.628x1 lm		
NAME: FR-LED-4-S12W-5CCTWH-PL	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: PPL	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	248.9	S/MH (C0/180)	1.27
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	708.63	$\eta$ UP, DN (C0-180)	0.0, 50.5
NOMINAL FLUX (lm)	708.628	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 49.5
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2022-10-31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

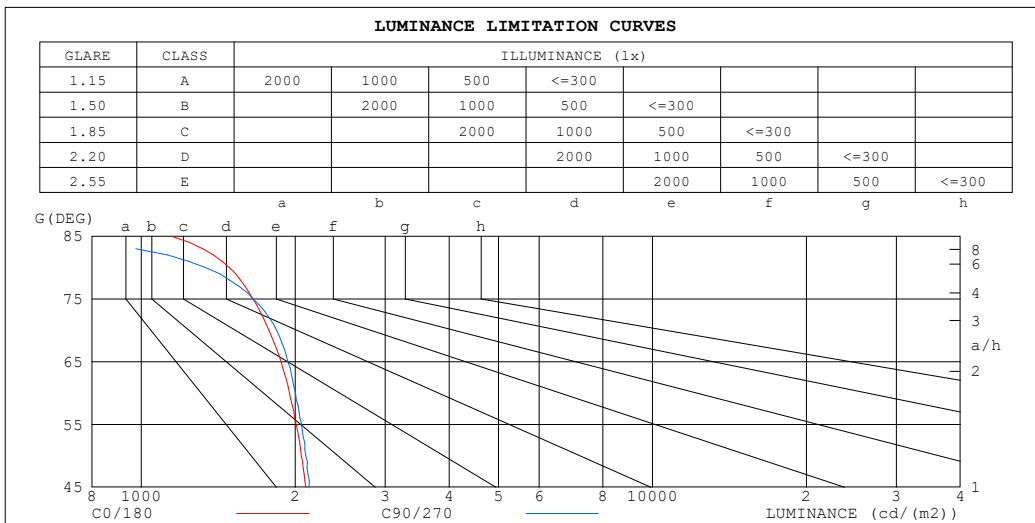
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	242.9	243.6	243.1	245.1	243.8	242.9	242.1	242.9	0- 10	23.43	23.43	3.31,3.31
20	229.9	231.8	230.7	232.7	231.4	229.7	228.5	230.3	10- 20	67.20	90.63	12.8,12.8
30	209.0	210.9	211.0	212.1	211.1	208.7	207.4	209.5	20- 30	102.1	192.7	27.2,27.2
40	181.0	183.3	183.8	185.4	183.7	180.7	180.0	180.8	30- 40	123.3	315.9	44.6,44.6
50	146.7	149.5	149.4	151.5	149.7	146.7	146.1	146.4	40- 50	128.0	443.9	62.6,62.6
60	108.1	110.5	111.0	112.1	111.0	108.2	107.8	108.3	50- 60	115.7	559.6	79,79
70	67.47	69.45	69.72	71.06	70.02	66.90	66.83	67.56	60- 70	88.45	648.0	91.4,91.4
80	28.63	26.58	25.70	30.21	30.27	23.28	22.96	27.02	70- 80	50.16	698.2	98.5,98.5
90	0.2790	0.2444	0.2350	0.2629	0.1843	0.1636	0.1614	0.1882	80- 90	10.43	708.6	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:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3 °C  
 Operators:  
 Test Date:2022-10-31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:119.87V I:0.1075A P:11.062W PF:0.8587 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:708.628x1 lm		
NAME: FR-LED-4-S12W-5CCTWH-PL	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: PPL	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1145	529
80	1486	1336
75	1654	1656
70	1778	1840
65	1876	1935
60	1949	2003
55	2009	2060
50	2057	2097
45	2097	2129

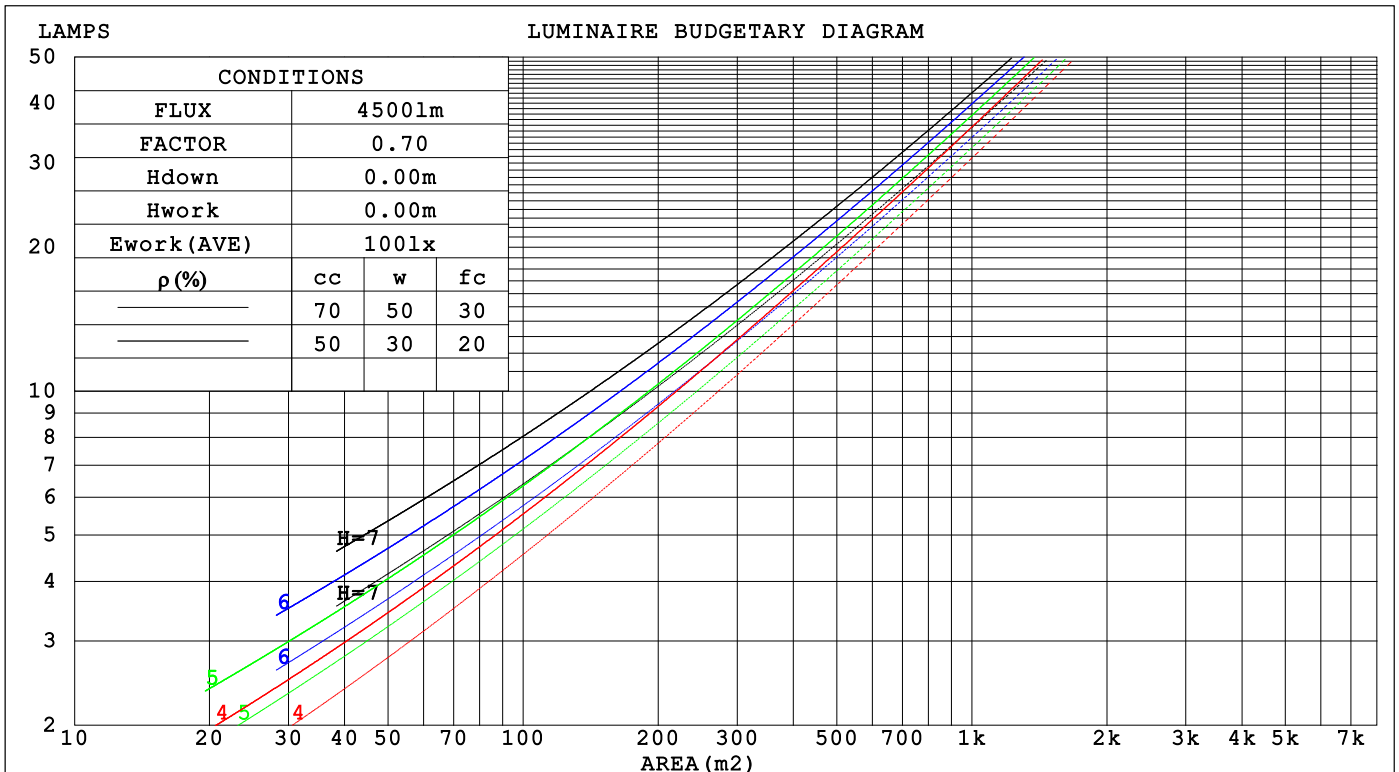
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 2022-10-31

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:119.87V I:0.1075A P:11.062W PF:0.8587 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:708.628x1 lm		
NAME: FR-LED-4-S12W-5CCTWH-PL	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: PPL	SUR.:	Shielding 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															
	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	1.00
1.0	1.04	.90	.96	1.02	.98	.94	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.74	.79	.75	.72	.70
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.56	.47	.41	.56	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.39	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2022-10-31

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:119.87V I:0.1075A P:11.062W PF:0.8587 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:708.628x1 lm		
NAME: FR-LED-4-S12W-5CCTWH-PL	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: PPL	SUR.:	Shielding Angle:

$\rho_{CC}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.306	.174	.055	.299	.171	.054	.286	.164	.052	.274	.158	.051	.263	.152	.049	
2.0	.290	.159	.049	.284	.157	.048	.272	.152	.047	.262	.147	.046	.252	.142	.045	
3.0	.269	.143	.043	.264	.141	.043	.254	.137	.042	.244	.134	.041	.235	.130	.040	
4.0	.249	.129	.038	.244	.128	.038	.235	.125	.037	.226	.122	.037	.218	.119	.036	
5.0	.230	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.203	.109	.033	
6.0	.214	.107	.031	.210	.106	.030	.203	.104	.030	.196	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.195	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.078	.022	.161	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.021	

$\rho_{CC}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.074	.141	.099	.064	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2022-10-31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:119.87V I:0.1075A P:11.062W PF:0.8587 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:708.628x1 lm		
NAME: FR-LED-4-S12W-5CCTWH-PL	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: PPL	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	16.6	18.1	16.8	18.3	18.5	16.7	18.2	16.9	18.4	18.6
3H	18.1	19.5	18.4	19.7	19.9	18.2	19.6	18.5	19.8	20.1
4H	18.7	20.0	19.0	20.3	20.5	18.8	20.1	19.1	20.4	20.6
6H	19.1	20.4	19.4	20.6	20.9	19.2	20.4	19.5	20.7	21.0
8H	19.2	20.4	19.6	20.7	21.0	19.2	20.4	19.6	20.7	21.0
12H	19.3	20.5	19.6	20.7	21.1	19.2	20.4	19.6	20.7	21.0
4H 2H	17.2	18.5	17.5	18.8	19.0	17.3	18.6	17.6	18.9	19.1
3H	18.9	20.1	19.2	20.4	20.7	19.0	20.2	19.4	20.5	20.8
4H	19.6	20.7	20.0	21.0	21.3	19.7	20.8	20.1	21.1	21.4
6H	20.2	21.1	20.6	21.5	21.8	20.2	21.1	20.6	21.5	21.8
8H	20.3	21.2	20.7	21.6	22.0	20.3	21.2	20.7	21.5	21.9
12H	20.4	21.2	20.8	21.6	22.0	20.3	21.1	20.7	21.5	21.9
8H 4H	19.9	20.8	20.3	21.1	21.5	20.0	20.8	20.4	21.2	21.6
6H	20.6	21.3	21.0	21.7	22.1	20.6	21.3	21.0	21.7	22.1
8H	20.8	21.4	21.3	21.9	22.3	20.7	21.4	21.2	21.8	22.2
12H	20.9	21.5	21.4	21.9	22.4	20.8	21.3	21.2	21.8	22.2
12H 4H	19.9	20.7	20.3	21.1	21.5	20.0	20.8	20.4	21.2	21.6
6H	20.6	21.2	21.1	21.7	22.1	20.6	21.2	21.1	21.7	22.1
8H	20.9	21.4	21.3	21.9	22.3	20.8	21.3	21.3	21.8	22.3

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.2 / - 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, 708.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.2)  
 Area: 0.111111 m2

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 22.5DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Temperature:25.3°C	Humidity:65.0%
Operators:	Test Distance:3.090m [K=1.0000]
Test Date:2022-10-31	Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:119.87V I:0.1075A P:11.062W PF:0.8587 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:708.628x1 lm		
NAME: FR-LED-4-S12W-5CCTWH-PL	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: PPL	SUR.:	Shielding Angle:

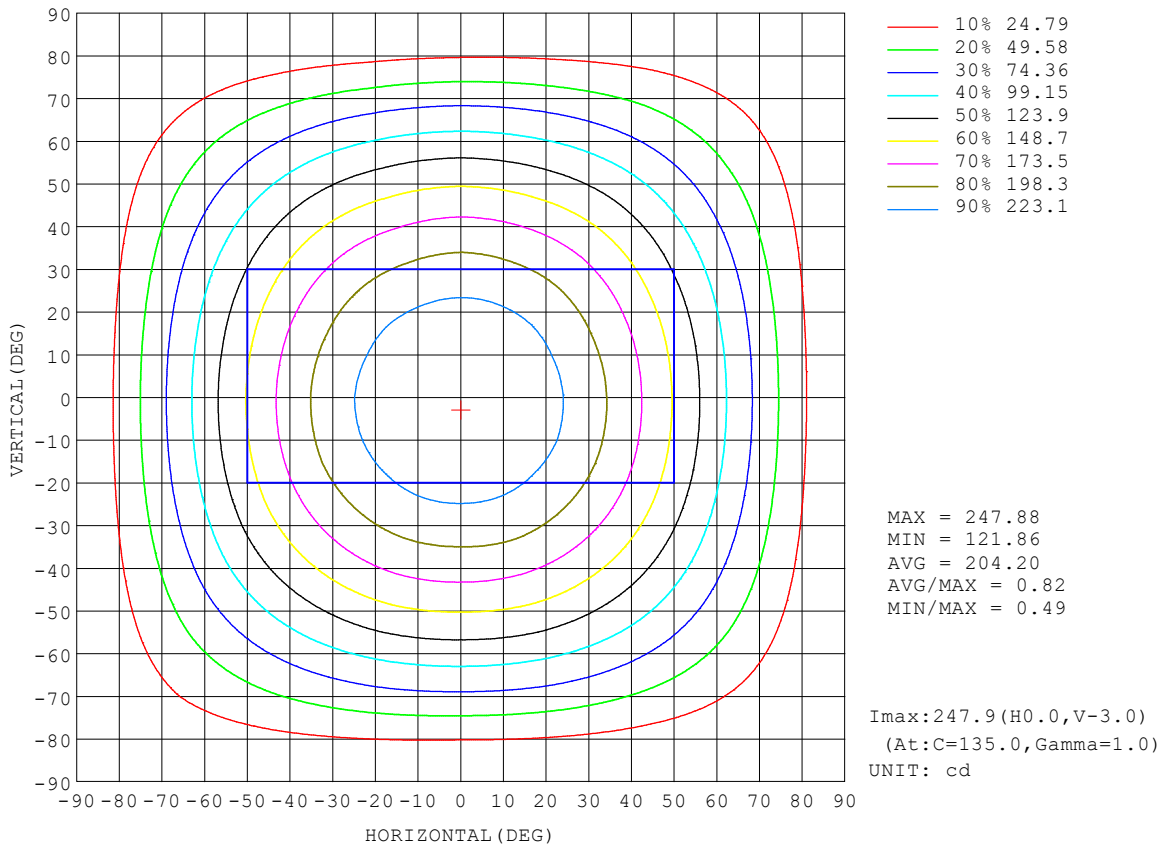
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	55	48	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	76	70	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	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:25.3°C  
 Operators:  
 Test Date:2022-10-31

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:119.87V I:0.1075A P:11.062W PF:0.8587 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:708.628x1 lm		
NAME: FR-LED-4-S12W-5CCTWH-PL	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: PPL	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2022-10-31

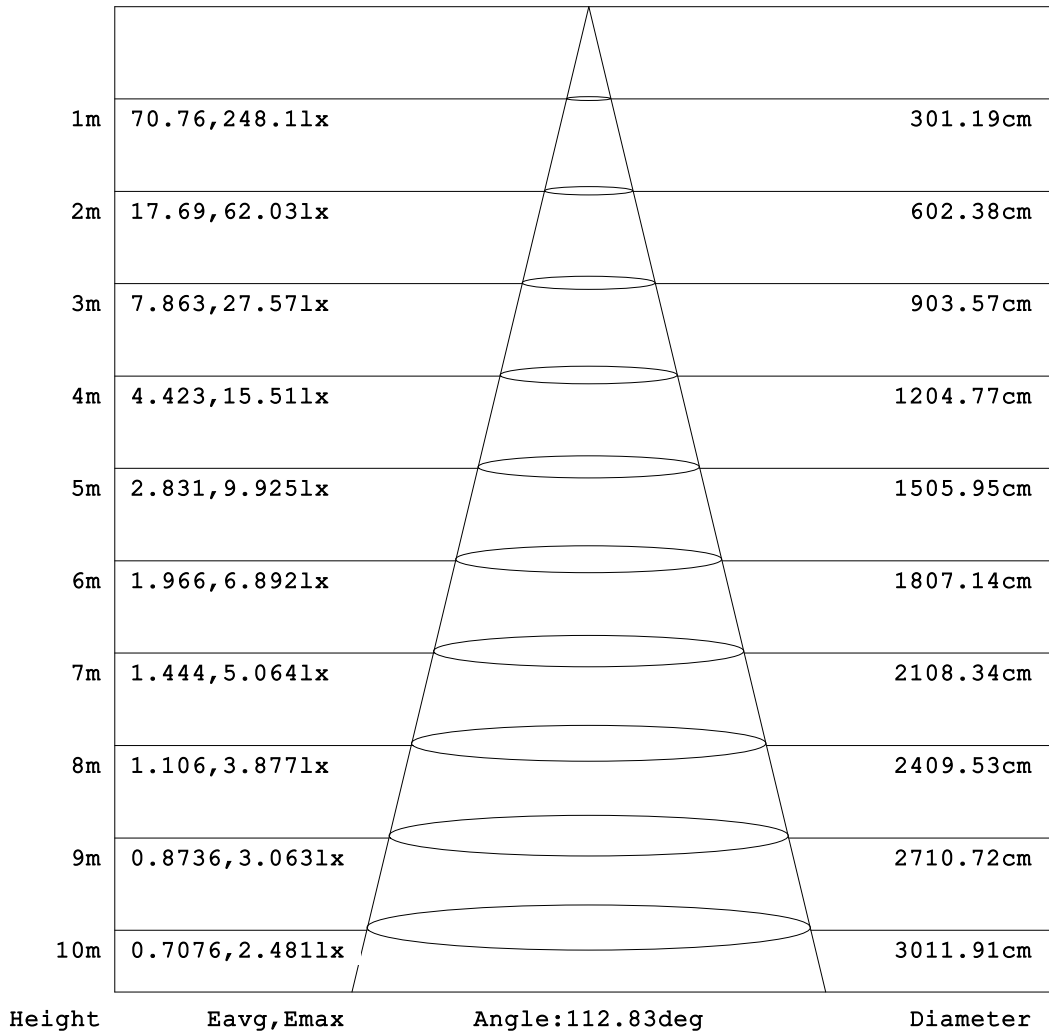
γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:119.87V I:0.1075A P:11.062W PF:0.8587 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:708.628x1 lm		
NAME: FR-LED-4-S12W-5CCTWH-PL	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: PPL	SUR.:	Shielding Angle:

Flux out:527.1 lm



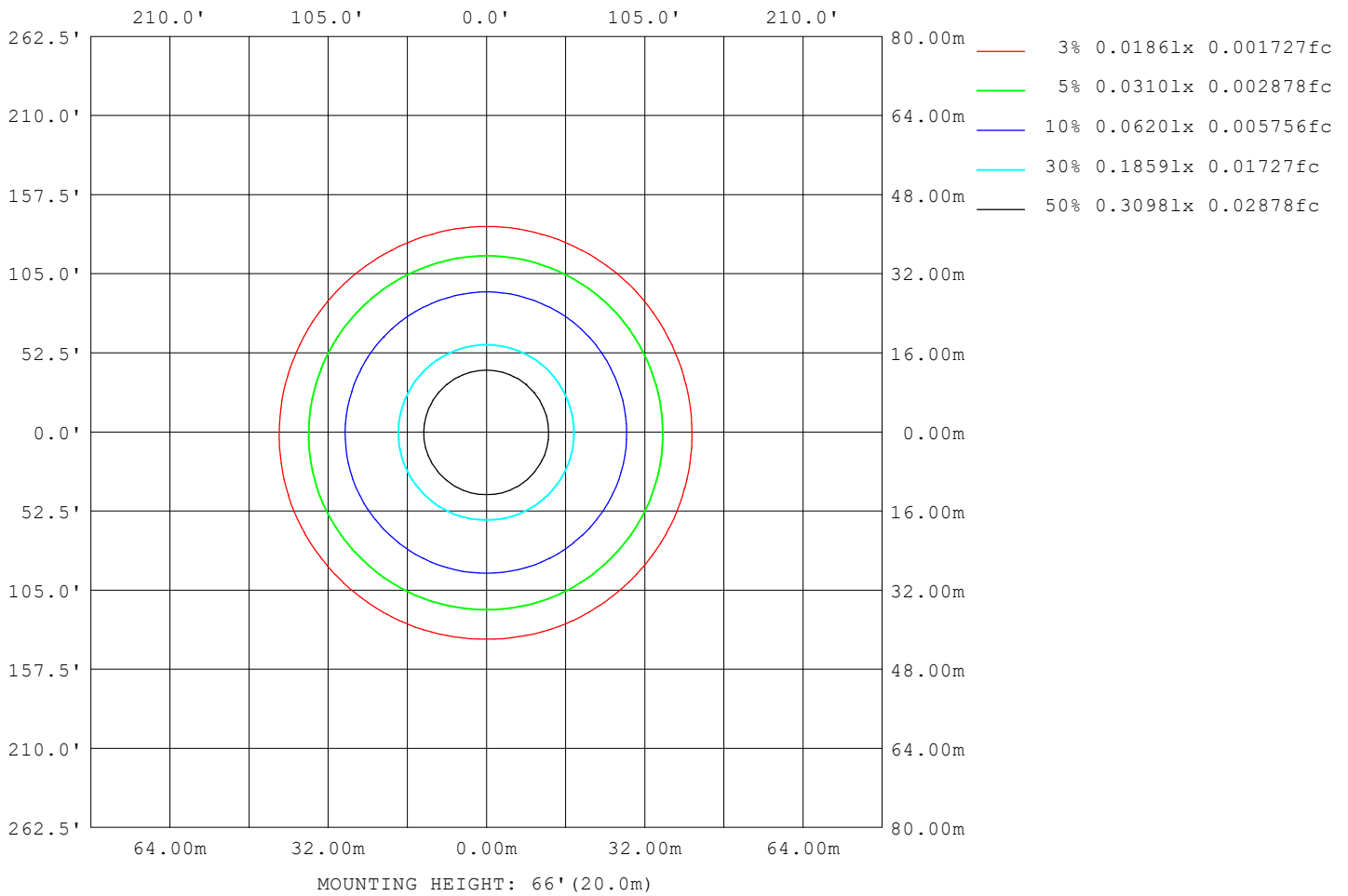
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 2022-10-31

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:119.87V I:0.1075A P:11.062W PF:0.8587 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:708.628x1 lm		
NAME: FR-LED-4-S12W-5CCTWH-PL	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: PPL	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:2022-10-31

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:119.87V I:0.1075A P:11.062W PF:0.8587 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:708.628x1 lm		
NAME: FR-LED-4-S12W-5CCTWH-PL	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: PPL	SUR.:	Shielding Angle:

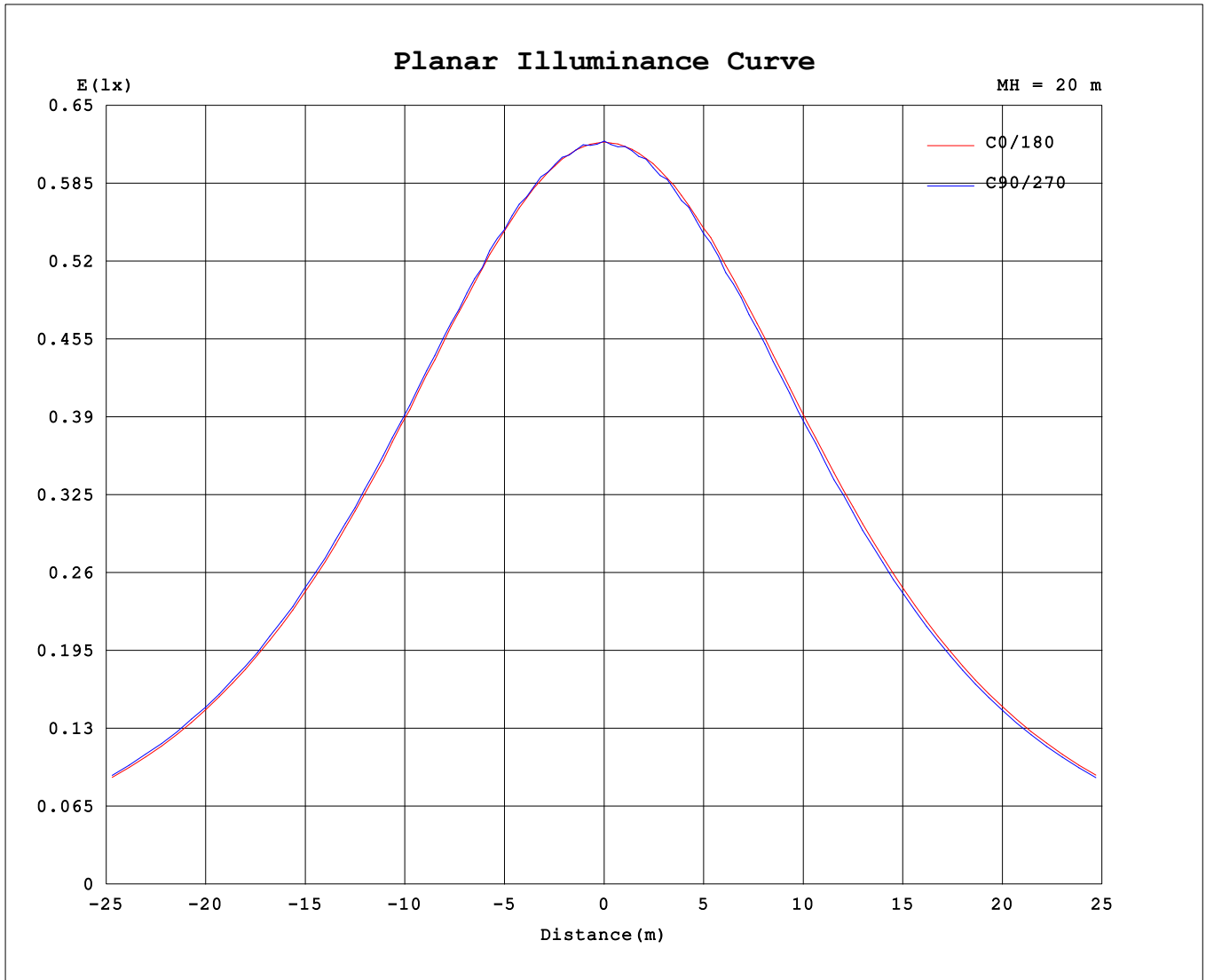
AvgL	cd/m2
L_0~180 (65) av	1902
L_0~180 (75) av	1691
L_0~180 (85) av	1175
L_90~270 (65) av	1902
L_90~270 (75) av	1600
L_90~270 (85) av	450
L_45 (65) av	1908
L_45 (75) av	1658
L_45 (85) av	751

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:  
 Test Date:2022-10-31

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators:  
 Test Date: 2022-10-31

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:119.87V I:0.1075A P:11.062W PF:0.8587 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:708.628x1 lm		
NAME: FR-LED-4-S12W-5CCTWH-PL	TYPE:	WEIGHT:
SPEC.: 2700K 90	DIM.:	SERIAL No.:
MFR.: PPL	SUR.:	Shielding Angle:

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	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247			
5	246	247	247	247	246	247	248	248	246	246	246	246	245	246	248	247			
10	243	244	244	244	243	244	245	244	244	244	243	242	242	243	243	243			
15	237	238	239	239	239	239	239	240	239	238	237	237	237	237	238	237			
20	230	231	232	233	231	233	233	233	231	230	230	229	229	230	230	230			
25	221	222	222	223	222	223	224	223	222	221	220	220	220	219	221	220			
30	209	211	211	212	211	212	212	213	211	209	209	208	207	208	210	209			
35	196	197	198	199	198	199	200	200	198	197	196	195	195	195	196	195			
40	181	183	183	184	184	185	185	185	184	182	181	179	180	180	181	180			
45	165	166	167	168	167	168	168	169	167	165	165	163	164	164	165	164			
50	147	149	150	151	149	151	151	151	150	148	147	146	146	146	146	146			
55	128	130	130	132	131	132	132	133	131	129	128	127	127	127	128	127			
60	108	110	110	112	111	112	112	113	111	109	108	107	108	108	108	107			
65	88.0	89.4	90.3	91.2	90.6	91.8	92.3	92.2	90.6	89.1	88.1	87.4	88.0	87.6	87.7	87.0			
70	67.5	68.8	69.5	70.1	69.7	70.8	71.1	71.8	70.0	68.6	66.9	65.7	66.8	67.2	67.6	66.6			
75	47.5	48.2	47.9	47.9	47.5	49.5	50.8	51.1	49.8	47.3	44.9	43.5	44.5	45.7	47.1	46.5			
80	28.6	27.9	26.6	26.2	25.7	27.9	30.2	32.0	30.3	26.4	23.3	21.7	23.0	24.6	27.0	28.0			
85	11.1	8.50	6.49	5.64	5.11	7.08	10.5	14.0	11.7	6.94	3.98	2.86	3.61	5.02	8.08	11.1			
90	0.28	0.25	0.24	0.24	0.24	0.24	0.26	0.29	0.18	0.17	0.16	0.16	0.16	0.17	0.19	0.20			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:  
 Test Date:2022-10-31

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.460  
 Humidity:65.0%  
 Test Distance:3.090m [K=1.0000]  
 Remarks: