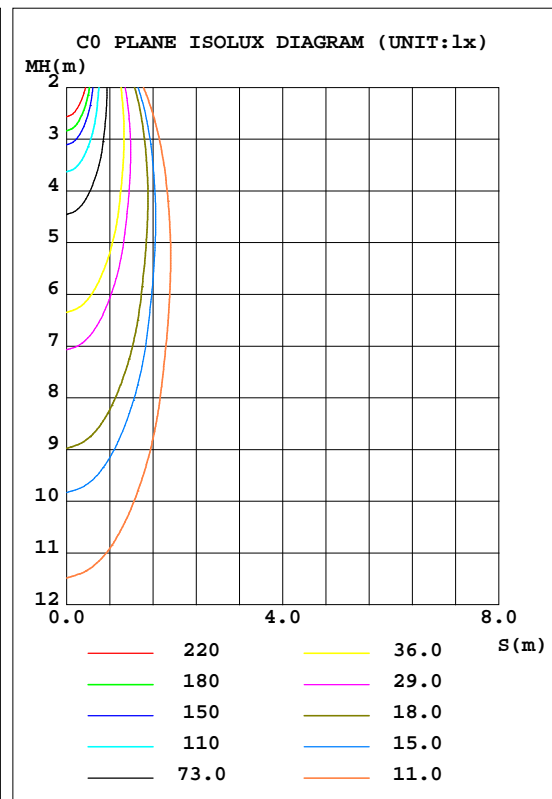
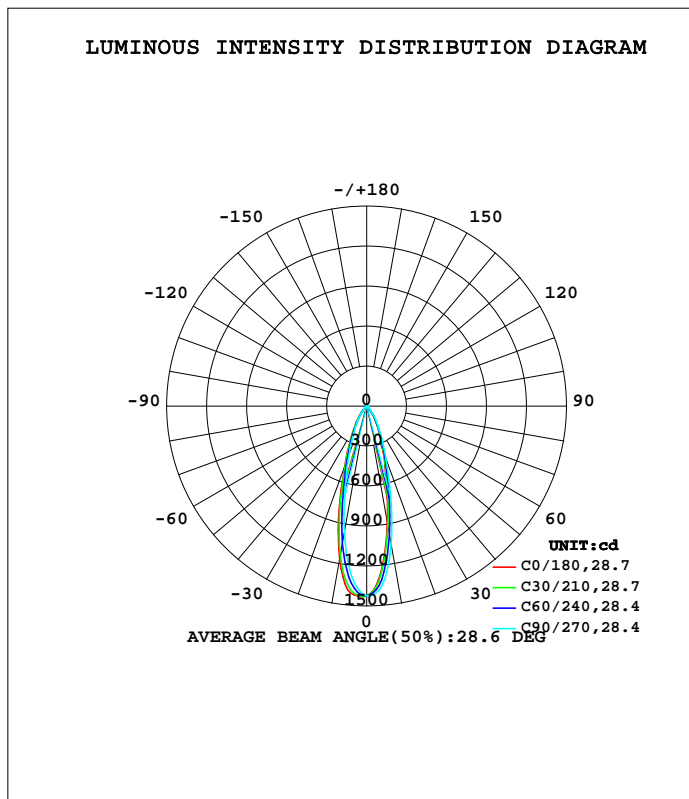


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm		
NAME: 486759-MR16-5W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 97.73 lm/W
MODEL		I <sub>max</sub> (cd)	1430	S/MH(C0/180)		0.54
NOMINAL POWER(W)	--	LOR(%)	100.0	S/MH(C90/270)		0.45
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	531.33	η UP, DN(C0-180)		0.0,49.6
NOMINAL FLUX(lm)	531.335	CIE CLASS	DIRECT	η UP, DN(C180-360)		0.0,50.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM		0.50
TEST VOLTAGE(V)	--	η down(%)	100.0	CIBSE SHR MAX		0.50



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

**ZONAL FLUX DIAGRAM:**

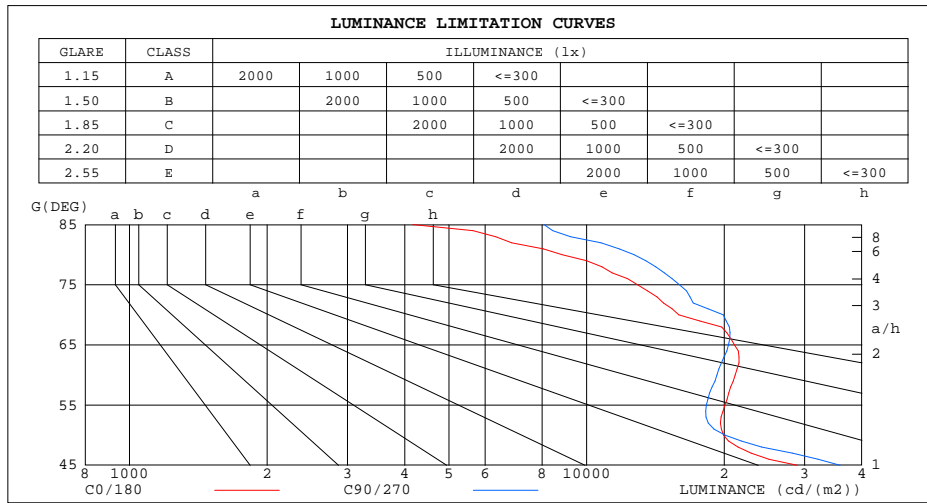
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	\$lum,lamp
10	897.9	944.6	1055	1090	1170	1102	967.2	945.2	0- 10	116.3	116.3	21.9,21.9
20	364.6	389.4	426.5	445.8	491.1	451.7	392.0	387.6	10- 20	185.7	301.9	56.8,56.8
30	145.9	153.9	169.5	178.4	187.2	170.4	154.1	159.4	20- 30	122.5	424.4	79.9,79.9
40	42.05	44.88	56.58	61.42	63.71	53.49	48.93	51.41	30- 40	63.19	487.6	91.8,91.8
50	12.57	12.50	12.94	13.07	14.71	14.00	12.64	13.44	40- 50	20.47	508.1	95.6,95.6
60	10.37	9.824	9.650	9.872	10.26	10.10	9.501	10.18	50- 60	10.01	518.1	97.5,97.5
70	5.337	5.561	6.820	6.916	7.085	6.750	5.642	5.651	60- 70	8.441	526.6	99.1,99.1
80	1.505	1.726	2.206	2.213	2.408	1.992	1.535	1.582	70- 80	4.033	530.6	99.9,99.9
90	0.0029	0.0007	0.0007	0	0.0131	0.0140	0.0134	0.0158	80- 90	0.7365	531.3	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: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2022-04-10

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.000m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm		
NAME: 486759-MR16-5W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4168	8075
80	8836	12692
75	12936	15966
70	15910	19920
65	21081	20435
60	21140	19279
55	20082	18290
50	19934	20106
45	28921	35897

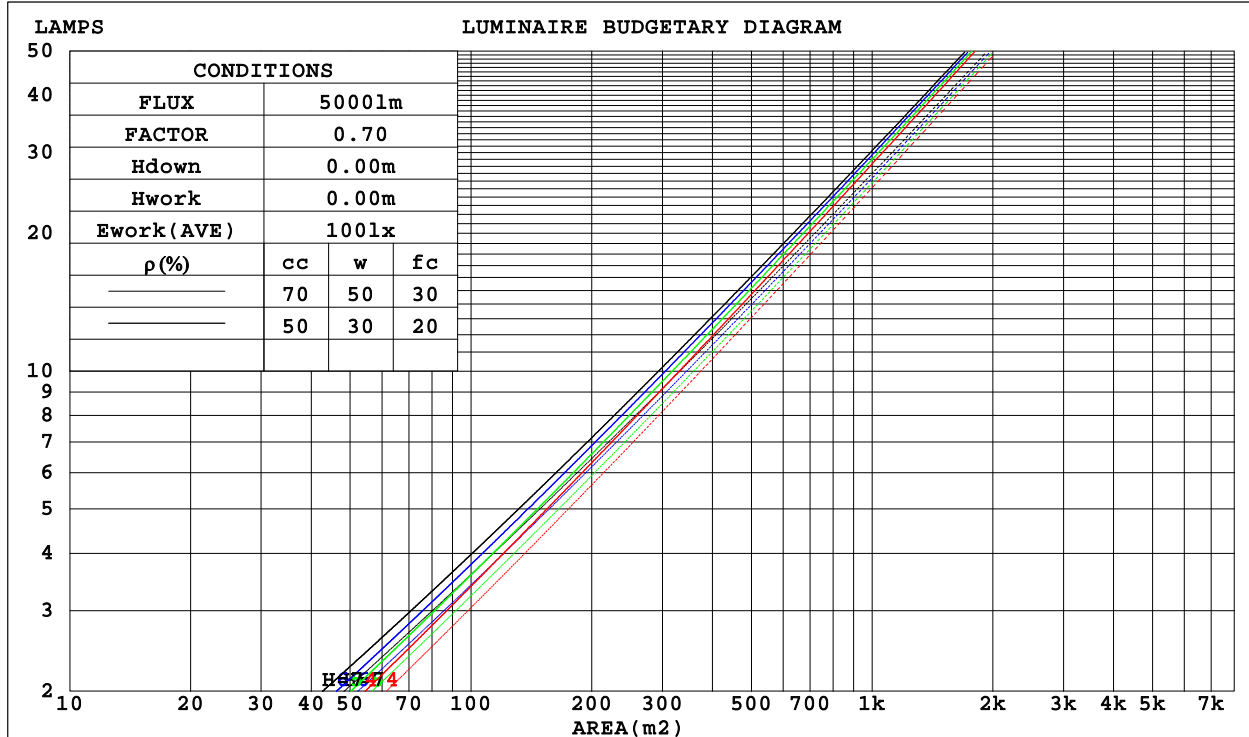
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm		
NAME: 486759-MR16-5W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.03	.99	.96	.99	.97	.94	.96	.94	.92	.94	.92	.90	.89
3.0	.98	.93	.90	.97	.93	.89	.94	.91	.88	.92	.89	.86	.90	.87	.85	.84
4.0	.93	.88	.84	.92	.87	.83	.89	.85	.82	.87	.84	.81	.86	.83	.80	.79
5.0	.88	.83	.79	.87	.82	.78	.85	.81	.78	.84	.80	.77	.82	.79	.76	.75
6.0	.84	.78	.74	.83	.78	.74	.81	.77	.74	.80	.76	.73	.79	.75	.73	.71
7.0	.80	.74	.71	.79	.74	.70	.78	.73	.70	.77	.73	.70	.76	.72	.69	.68
8.0	.76	.71	.67	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.65
9.0	.73	.68	.64	.72	.67	.64	.72	.67	.64	.71	.67	.64	.70	.66	.63	.62
10.0	.70	.65	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.67	.64	.61	.60



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm		
NAME: 486759-MR16-5W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.169	.096	.030	.162	.093	.029	.150	.086	.027	.138	.080	.026	.128	.074	.024	
2.0	.160	.087	.027	.154	.085	.026	.144	.080	.025	.134	.075	.023	.125	.071	.022	
3.0	.150	.080	.024	.145	.078	.023	.136	.074	.022	.128	.070	.022	.121	.067	.021	
4.0	.141	.073	.022	.137	.072	.021	.130	.069	.021	.123	.066	.020	.116	.063	.019	
5.0	.134	.068	.020	.130	.067	.019	.123	.064	.019	.117	.062	.018	.112	.060	.018	
6.0	.127	.063	.018	.123	.062	.018	.118	.060	.018	.112	.058	.017	.107	.057	.017	
7.0	.120	.059	.017	.118	.059	.017	.112	.057	.016	.108	.055	.016	.103	.054	.016	
8.0	.114	.056	.016	.112	.055	.016	.108	.054	.015	.103	.052	.015	.099	.051	.015	
9.0	.109	.053	.015	.107	.052	.015	.103	.051	.014	.099	.050	.014	.096	.049	.014	
10.0	.105	.050	.014	.103	.050	.014	.099	.049	.014	.096	.048	.014	.092	.047	.013	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	.171	.157	.145	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.141	.113	.091	.121	.098	.079	.083	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.130	.099	.074	.112	.085	.065	.077	.059	.045	.044	.035	.027	.014	.011	.009	
5.0	.121	.087	.062	.104	.075	.054	.071	.052	.038	.041	.031	.022	.013	.010	.007	
6.0	.113	.077	.052	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.106	.069	.044	.091	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.059	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.094	.058	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.089	.053	.029	.077	.046	.025	.053	.032	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm										
NAME: 486759-MR16-5W-3000K-25°					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:35mm			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	18.9	19.8	19.2	19.9	20.1	19.6	20.5	19.8	20.6	20.8
3H	19.7	20.4	19.9	20.6	20.8	20.3	21.1	20.6	21.3	21.5
4H	19.9	20.6	20.1	20.8	21.0	20.6	21.3	20.8	21.5	21.7
6H	19.9	20.6	20.2	20.9	21.1	20.7	21.4	21.0	21.6	21.9
8H	19.9	20.6	20.2	20.8	21.1	20.7	21.4	21.0	21.7	21.9
12H	19.9	20.5	20.2	20.8	21.1	20.7	21.4	21.0	21.6	21.9
4H 2H	19.2	19.9	19.4	20.1	20.3	19.8	20.5	20.1	20.7	21.0
3H	20.0	20.7	20.4	21.0	21.2	20.6	21.3	21.0	21.6	21.8
4H	20.3	20.9	20.7	21.2	21.5	21.0	21.6	21.3	21.9	22.2
6H	20.4	21.0	20.8	21.3	21.6	21.2	21.7	21.6	22.1	22.4
8H	20.4	20.9	20.8	21.3	21.6	21.2	21.7	21.6	22.1	22.4
12H	20.4	20.9	20.8	21.2	21.6	21.2	21.7	21.6	22.0	22.4
8H 4H	20.4	20.9	20.8	21.2	21.6	21.0	21.5	21.4	21.8	22.2
6H	20.6	21.0	21.0	21.4	21.8	21.3	21.7	21.7	22.1	22.5
8H	20.6	20.9	21.0	21.4	21.8	21.4	21.7	21.8	22.1	22.6
12H	20.6	20.9	21.0	21.3	21.8	21.4	21.7	21.8	22.1	22.6
12H 4H	20.4	20.8	20.8	21.2	21.6	21.0	21.4	21.4	21.8	22.2
6H	20.5	20.9	21.0	21.3	21.8	21.3	21.6	21.7	22.0	22.5
8H	20.6	20.9	21.0	21.3	21.8	21.3	21.6	21.8	22.1	22.5
Variations with the observer position at spacings:										
S = 1.0H	+ 1.3 / - 1.2					+ 1.6 / - 1.4				
1.5H	+ 2.8 / - 1.3					+ 3.2 / - 1.6				
2.0H	+ 0.7 / - 0.6					+ 1.4 / - 0.5				

CIE Pub.117, 531.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.2)  
Area: 0.001 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2022-04-10

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.000m [K=1.0000]  
Remarks:

UTILIZATION FACTORS TABLE

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm		
NAME: 486759-MR16-5W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

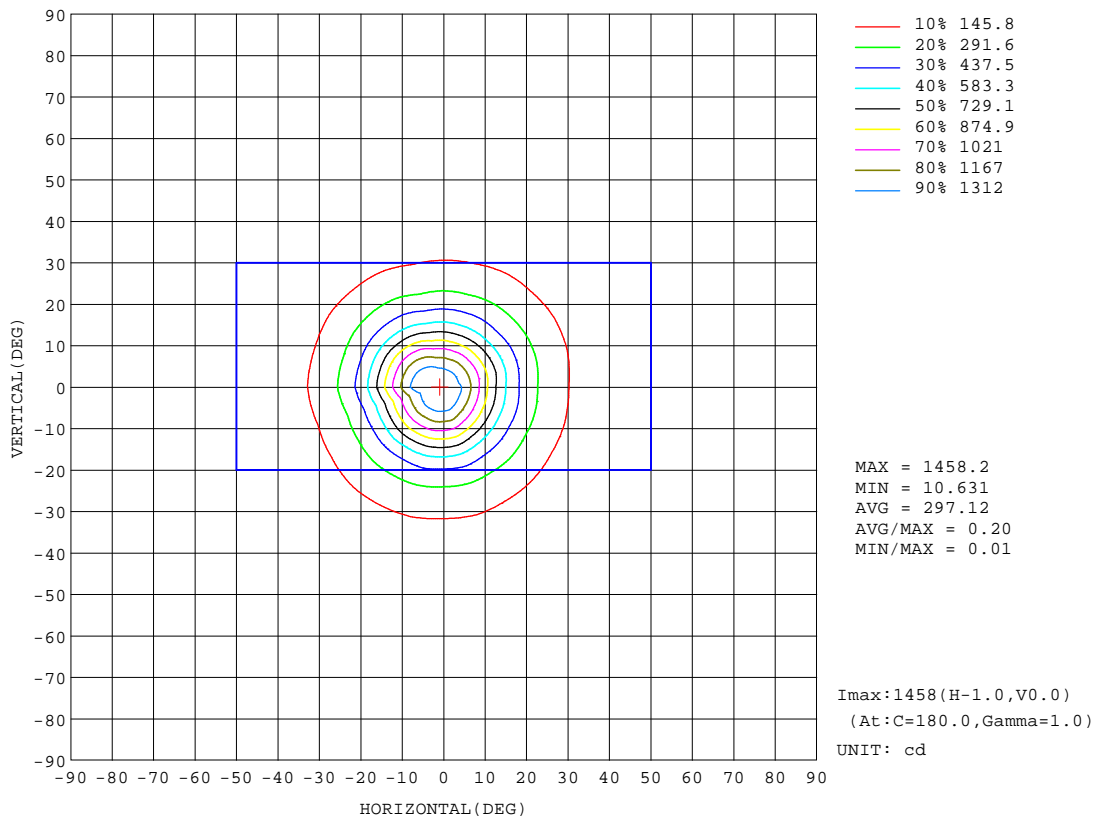
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	87	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	88	84	92	87	84	80
1.00	98	93	89	98	92	89	96	92	88	84
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	99	96	102	98	95	91
2.00	108	104	100	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	114	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	111	109	109	107	106	98
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:DAMIN  
 Test Date:2022-04-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm		
NAME: 486759-MR16-5W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-10

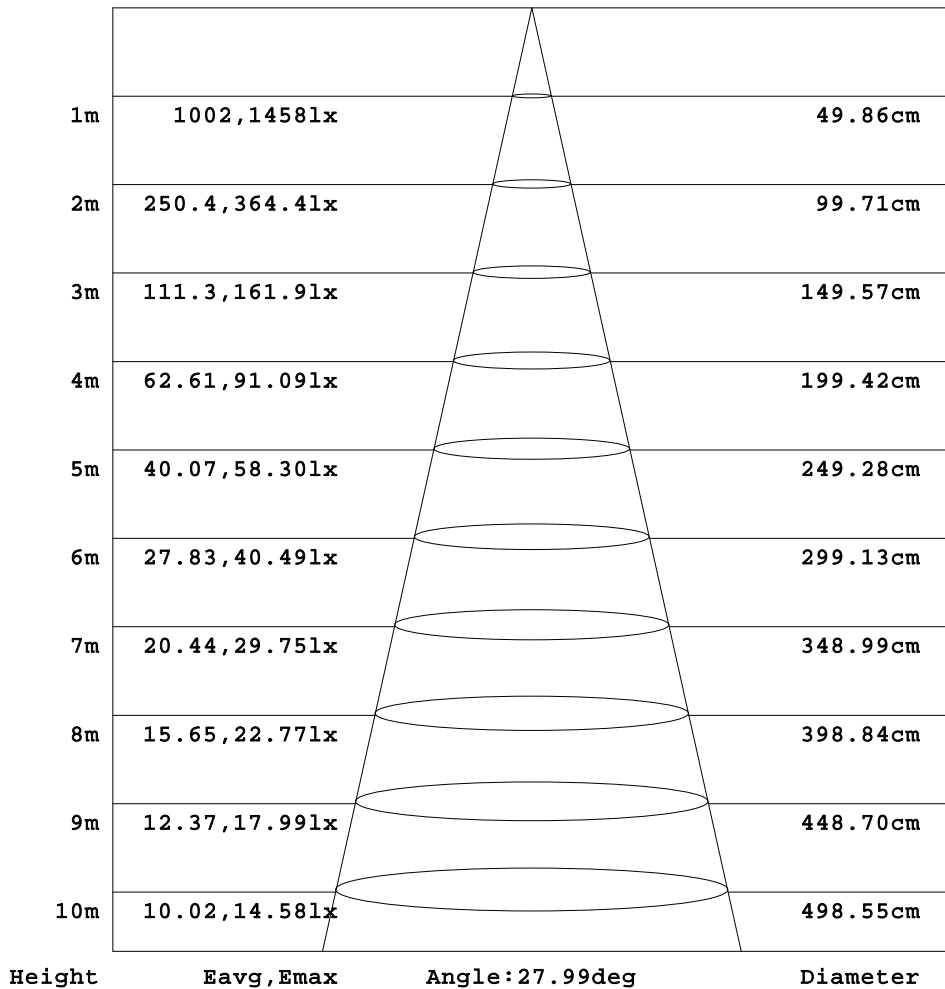
γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm		
NAME: 486759-MR16-5W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

Flux out:195.6 lm



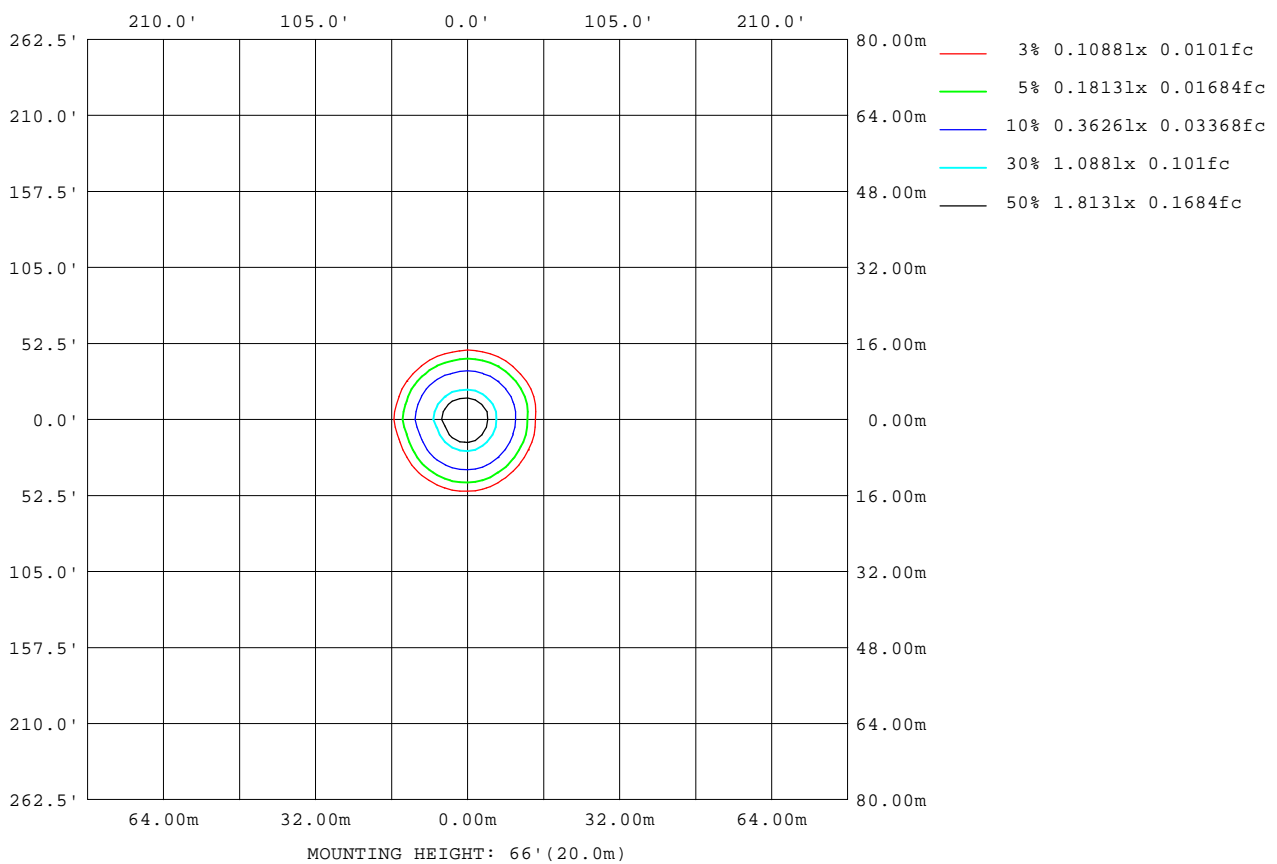
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2022-04-10

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.000m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm		
NAME: 486759-MR16-5W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2022-04-10

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.000m [K=1.0000]  
Remarks:

**LED Avg.L Report**

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm		
NAME: 486759-MR16-5W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

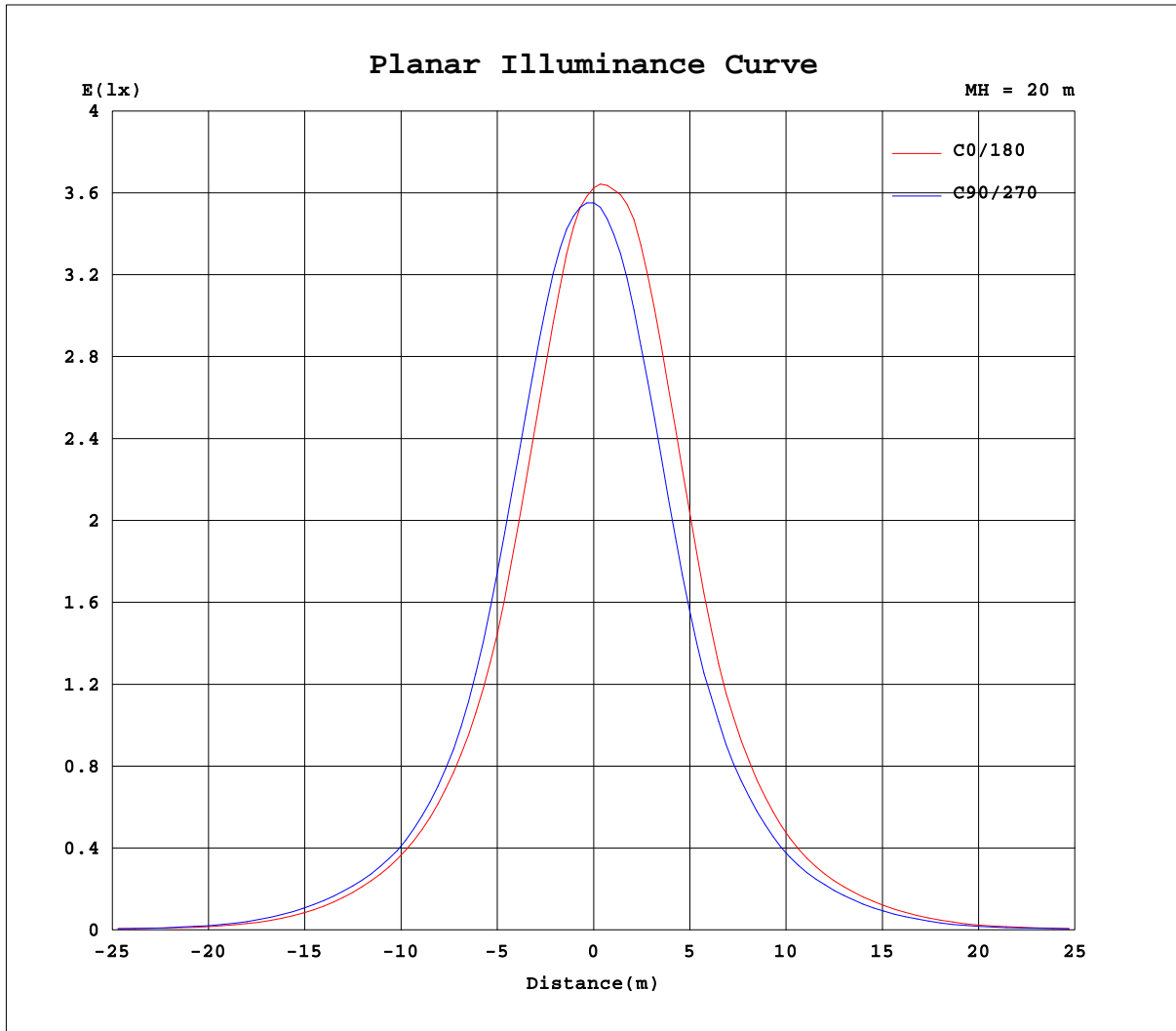
AvgL	cd/m2
L_0~180(65)av	20991
L_0~180(75)av	14730
L_0~180(85)av	6721
L_90~270(65)av	19980
L_90~270(75)av	14125
L_90~270(85)av	6382
L_45(65)av	20730
L_45(75)av	14445
L_45(85)av	6558

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2022-04-10

γ Range: 0 - 90DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
Humidity:65.0%  
Test Distance:9.000m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2022-04-10

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity: 65.0%  
 Test Distance: 9.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm		
NAME: 486759-MR16-5W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding 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	1422	1422	1422	1422	1422	1422	1422	1422	1422	1422	1422	1422	1422	1422	1422	1422	1422	1422	1422
5	1247	1253	1260	1280	1306	1340	1349	1365	1371	1382	1381	1373	1407	1396	1383	1361	1334	1298	1289
10	898	903	917	945	982	1039	1055	1077	1081	1090	1090	1090	1170	1156	1139	1102	1052	986	967
15	570	576	583	603	633	685	700	717	724	735	726	721	802	787	771	731	683	633	623
20	365	374	373	389	399	427	426	444	437	446	437	443	491	476	476	452	431	394	392
25	231	234	234	246	251	265	267	278	277	281	273	274	304	294	294	281	268	242	246
30	146	148	147	154	158	170	170	177	177	178	171	172	187	182	181	170	165	151	154
35	84.5	86.1	85.5	90.3	94.3	105	106	112	110	111	107	106	116	110	108	102	98.2	90.1	93.1
40	42.1	42.6	41.7	44.9	48.0	55.5	56.6	60.3	59.3	61.4	58.3	56.4	63.7	59.7	58.3	53.5	52.2	47.0	48.9
45	20.1	18.6	19.4	19.8	22.5	23.9	25.4	27.0	27.2	27.1	26.0	24.9	28.7	27.2	25.7	24.8	23.8	22.2	21.4
50	12.6	11.7	11.9	12.5	12.8	12.5	12.9	14.1	13.9	13.1	12.7	13.4	14.7	13.6	13.2	14.0	14.1	12.9	12.6
55	11.3	10.5	10.4	10.8	10.8	10.4	10.5	11.3	11.1	10.7	10.5	11.1	11.5	10.9	10.6	11.3	11.7	11.0	10.7
60	10.4	9.74	9.60	9.82	9.89	9.61	9.65	10.2	10.2	9.87	9.64	10.11	10.3	9.82	9.58	10.1	10.2	9.70	9.50
65	8.74	8.51	8.37	8.47	8.63	8.62	8.65	8.91	8.96	8.74	8.61	8.81	9.00	8.63	8.53	8.95	8.85	8.34	8.24
70	5.34	5.46	5.49	5.56	6.24	6.84	6.82	6.98	7.07	6.92	6.85	6.88	7.08	6.85	6.65	6.75	6.61	6.15	5.64
75	3.28	3.28	3.40	3.49	3.80	4.01	4.14	4.18	4.35	4.38	4.27	4.12	4.34	4.25	4.06	3.75	3.63	3.14	3.17
80	1.50	1.55	1.63	1.73	1.97	2.15	2.21	2.25	2.28	2.21	2.18	2.18	2.41	2.21	2.10	1.99	1.82	1.53	1.53
85	0.36	0.34	0.39	0.43	0.54	0.67	0.70	0.75	0.74	0.72	0.71	0.73	0.82	0.72	0.68	0.64	0.54	0.41	0.41
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.858V I:0.6230A P:5.4367W PF:0.7359 Freq:60.00Hz Lamp Flux:531.335x1 lm		
NAME: 486759-MR16-5W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345															
0	1422	1422	1422	1422	1422															
5	1279	1281	1279	1283	1284															
10	951	951	945	954	955															
15	610	606	605	615	619															
20	388	392	388	398	395															
25	243	252	252	256	254															
30	155	161	159	164	163															
35	92.9	97.3	97.1	100	98.3															
40	48.2	51.7	51.4	53.4	51.4															
45	23.3	23.9	23.6	23.1	23.4															
50	13.5	14.1	13.4	13.4	13.9															
55	11.3	11.7	11.3	11.2	12.0															
60	9.99	10.3	10.2	10.2	10.8															
65	8.52	8.80	8.88	9.17	9.55															
70	5.50	5.54	5.65	6.02	6.29															
75	3.15	3.31	3.34	3.52	3.68															
80	1.57	1.56	1.58	1.76	1.92															
85	0.45	0.50	0.49	0.58	0.65															
90	0.01	0.01	0.02	0.01	0.01															

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2022-04-10

γ Range: 0 - 90DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-3000H\_V1 SYSTEM V2.00.411  
 Humidity:65.0%  
 Test Distance:9.000m [K=1.0000]  
 Remarks: