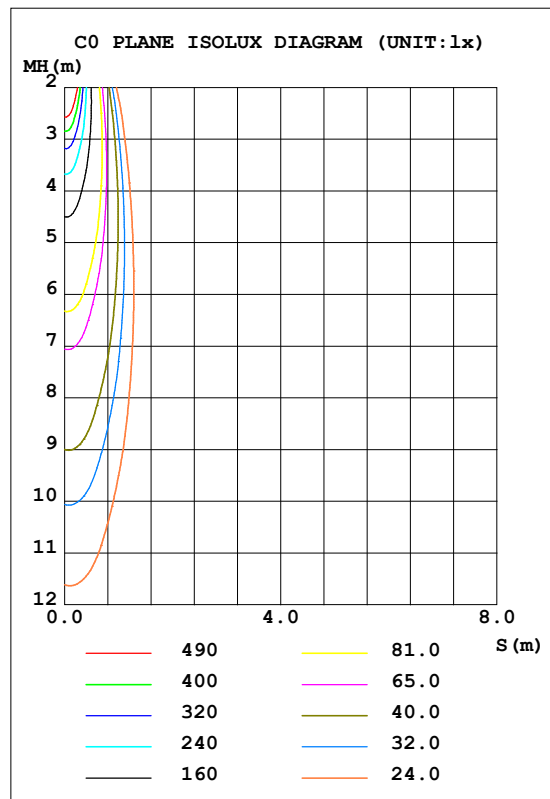
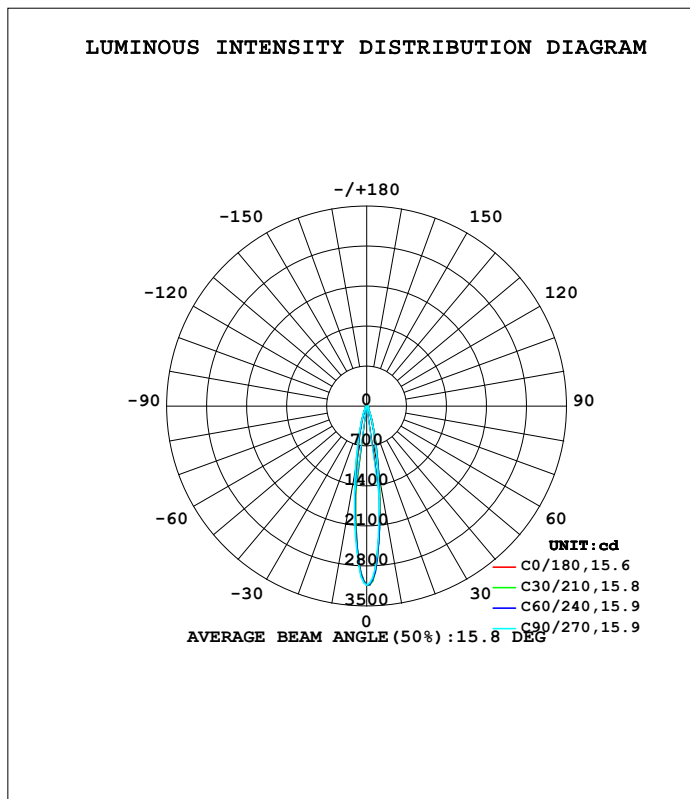


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm		
NAME: 486748-MR16-4W-3000K-15°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.65 lm/W			
MODEL		I _{max} (cd)	3155	S/MH (C0/180)	0.25
NOMINAL POWER (W)	--	LOR (%)	100.0	S/MH (C90/270)	0.27
RATED VOLTAGE (V)	--	TOTAL FLUX (lm)	438.80	η UP, DN (C0-180)	0.0,50.9
NOMINAL FLUX (lm)	438.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0,49.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	--	η down (%)	100.0	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-06-01

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1227	1234	1150	1071	999.1	1033	1140	1184	0- 10	180.5	180.5	41.1,41.1
20	269.7	257.6	257.8	234.7	229.2	208.0	243.4	249.0	10- 20	150.0	330.5	75.3,75.3
30	70.11	62.48	69.74	62.31	61.99	51.52	63.56	59.85	20- 30	58.39	388.8	88.6,88.6
40	21.70	20.49	22.61	22.09	20.43	19.10	21.49	20.36	30- 40	22.63	411.5	93.8,93.8
50	11.92	11.57	11.92	12.35	11.44	11.12	12.35	11.86	40- 50	12.01	423.5	96.5,96.5
60	7.127	7.044	6.627	7.267	6.758	6.683	6.709	7.282	50- 60	8.252	431.7	98.4,98.4
70	4.111	3.634	2.044	3.745	3.874	3.568	2.405	3.946	60- 70	5.084	436.8	99.6,99.6
80	1.550	0.1640	0.0254	0.1562	1.375	0.1484	0.0209	0.2346	70- 80	1.829	438.7	100,100
90	0	0	0	0	0	0	0	0	80- 90	0.1459	438.8	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		

Conical surface Flux(90deg): 418.05 lm

%lum = 95.3%
%lamp = 95.3%

Conical surface Flux(120deg): 431.74 lm

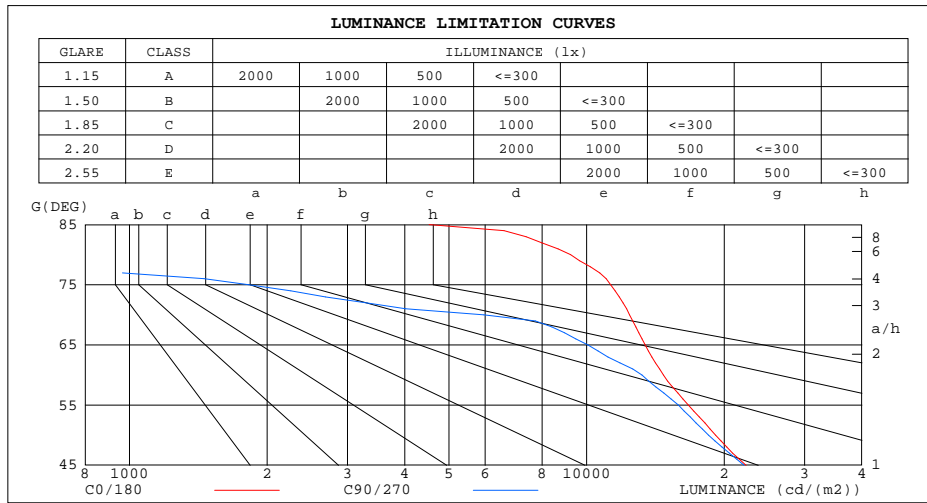
%lum = 98.4%
%lamp = 98.4%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-01

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:

LUMINANCE LIMITATION CURVES

Test:U:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm		
NAME: 486748-MR16-4W-3000K-15°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4525	0
80	9226	146
75	11290	1825
70	12422	5961
65	13434	10071
60	14731	13222
55	16693	15880
50	19169	18500
45	22332	22131

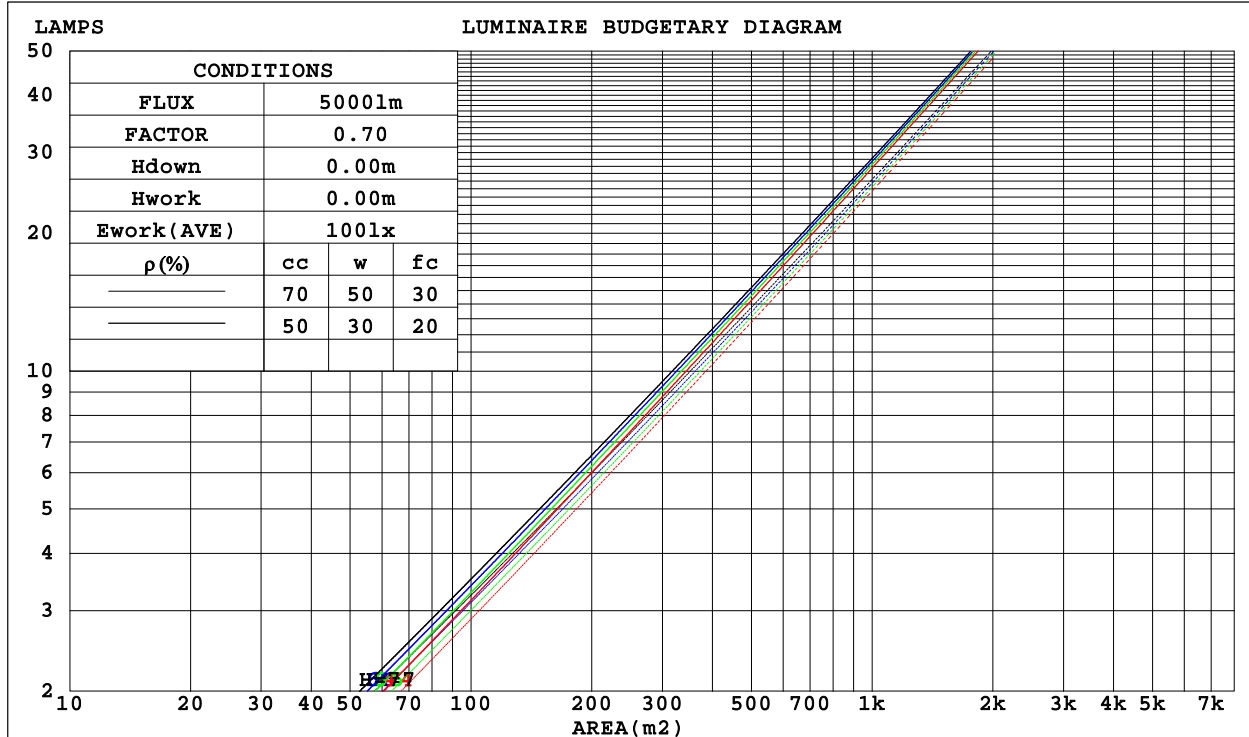
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-06-01

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:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm		
NAME: 486748-MR16-4W-3000K-15°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	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 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	1.12	1.10	1.09	1.10	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.01	.99	.98	.98	.96
2.0	1.07	1.04	1.01	1.05	1.02	.99	1.02	.99	.98	.99	.97	.96	.96	.95	.94	.92
3.0	1.02	.98	.95	1.01	.97	.94	.98	.95	.93	.96	.93	.91	.94	.92	.90	.89
4.0	.98	.93	.90	.97	.93	.90	.95	.91	.89	.93	.90	.88	.91	.89	.87	.86
5.0	.94	.90	.86	.93	.89	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.83
6.0	.91	.86	.83	.90	.86	.83	.89	.85	.82	.87	.84	.82	.86	.83	.81	.80
7.0	.88	.83	.80	.87	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.78
8.0	.85	.81	.78	.85	.81	.78	.84	.80	.77	.83	.79	.77	.82	.79	.77	.76
9.0	.83	.78	.76	.82	.78	.76	.81	.78	.75	.81	.77	.75	.80	.77	.75	.74
10.0	.80	.76	.74	.80	.76	.74	.79	.76	.73	.79	.76	.73	.78	.75	.73	.72



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-06-01

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:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm		
NAME: 486748-MR16-4W-3000K-15°	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	.145	.082	.026	.138	.079	.025	.126	.072	.023	.114	.066	.021	.104	.060	.019	
2.0	.135	.074	.023	.129	.071	.022	.119	.066	.021	.110	.061	.019	.101	.057	.018	
3.0	.126	.067	.020	.121	.065	.020	.112	.061	.019	.104	.057	.018	.097	.054	.017	
4.0	.117	.061	.018	.113	.059	.018	.106	.056	.017	.099	.053	.016	.093	.051	.015	
5.0	.110	.056	.016	.107	.055	.016	.101	.052	.015	.095	.050	.015	.089	.048	.014	
6.0	.104	.052	.015	.101	.051	.015	.095	.049	.014	.090	.047	.014	.086	.045	.013	
7.0	.098	.048	.014	.095	.048	.014	.091	.046	.013	.086	.044	.013	.082	.043	.013	
8.0	.093	.045	.013	.091	.045	.013	.087	.043	.012	.083	.042	.012	.079	.041	.012	
9.0	.088	.043	.012	.086	.042	.012	.083	.041	.012	.079	.040	.011	.076	.039	.011	
10.0	.084	.040	.011	.082	.040	.011	.079	.039	.011	.076	.038	.011	.073	.037	.011	

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	.169	.158	.147	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.117	.130	.114	.101	.089	.079	.071	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.095	.117	.098	.082	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.124	.098	.078	.107	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.114	.086	.065	.098	.074	.057	.067	.052	.040	.039	.030	.024	.013	.010	.008	
6.0	.105	.076	.055	.090	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.097	.068	.047	.084	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.091	.061	.041	.078	.053	.035	.054	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.085	.055	.035	.073	.048	.031	.051	.034	.022	.029	.020	.013	.010	.007	.004	
10.0	.080	.051	.031	.069	.044	.027	.048	.031	.019	.028	.018	.011	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-01

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:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm										
NAME: 486748-MR16-4W-3000K-15°					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	16.4	17.1	16.6	17.2	17.4	16.0	16.7	16.2	16.8	17.0
3H	17.3	17.9	17.5	18.1	18.3	16.3	17.0	16.6	17.2	17.4
4H	17.7	18.3	17.9	18.5	18.7	16.3	16.9	16.5	17.1	17.3
6H	17.9	18.5	18.2	18.7	19.0	16.2	16.8	16.5	17.0	17.2
8H	18.0	18.5	18.3	18.8	19.0	16.2	16.7	16.5	17.0	17.2
12H	18.0	18.5	18.3	18.8	19.0	16.1	16.6	16.4	16.9	17.2
4H 2H	16.7	17.3	17.0	17.5	17.7	16.3	16.9	16.6	17.2	17.4
3H	17.8	18.3	18.1	18.6	18.8	16.8	17.3	17.1	17.6	17.8
4H	18.3	18.8	18.6	19.1	19.4	16.7	17.2	17.1	17.5	17.8
6H	18.6	19.0	19.0	19.4	19.7	16.6	17.1	17.0	17.4	17.7
8H	18.7	19.1	19.1	19.4	19.8	16.6	17.0	16.9	17.3	17.7
12H	18.7	19.1	19.1	19.4	19.8	16.5	16.9	16.9	17.3	17.6
8H 4H	18.2	18.6	18.6	19.0	19.3	16.7	17.2	17.1	17.5	17.9
6H	18.6	18.9	19.0	19.3	19.7	16.6	17.0	17.1	17.4	17.8
8H	18.7	19.0	19.1	19.4	19.8	16.6	16.9	17.0	17.3	17.7
12H	18.7	18.9	19.1	19.4	19.8	16.5	16.8	17.0	17.2	17.7
12H 4H	18.2	18.5	18.6	18.9	19.3	16.7	17.1	17.1	17.4	17.8
6H	18.5	18.8	19.0	19.2	19.7	16.6	16.9	17.0	17.3	17.7
8H	18.6	18.9	19.1	19.3	19.8	16.5	16.8	17.0	17.2	17.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.9 / - 1.0				
1.5H	+ 0.8 / - 0.4					+ 1.5 / - 0.8				
2.0H	+ 0.7 / - 0.6					+ 1.0 / - 1.0				

CIE Pub.117, 438.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.9)
Area: 0.001 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-01

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:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm		
NAME: 486748-MR16-4W-3000K-15°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

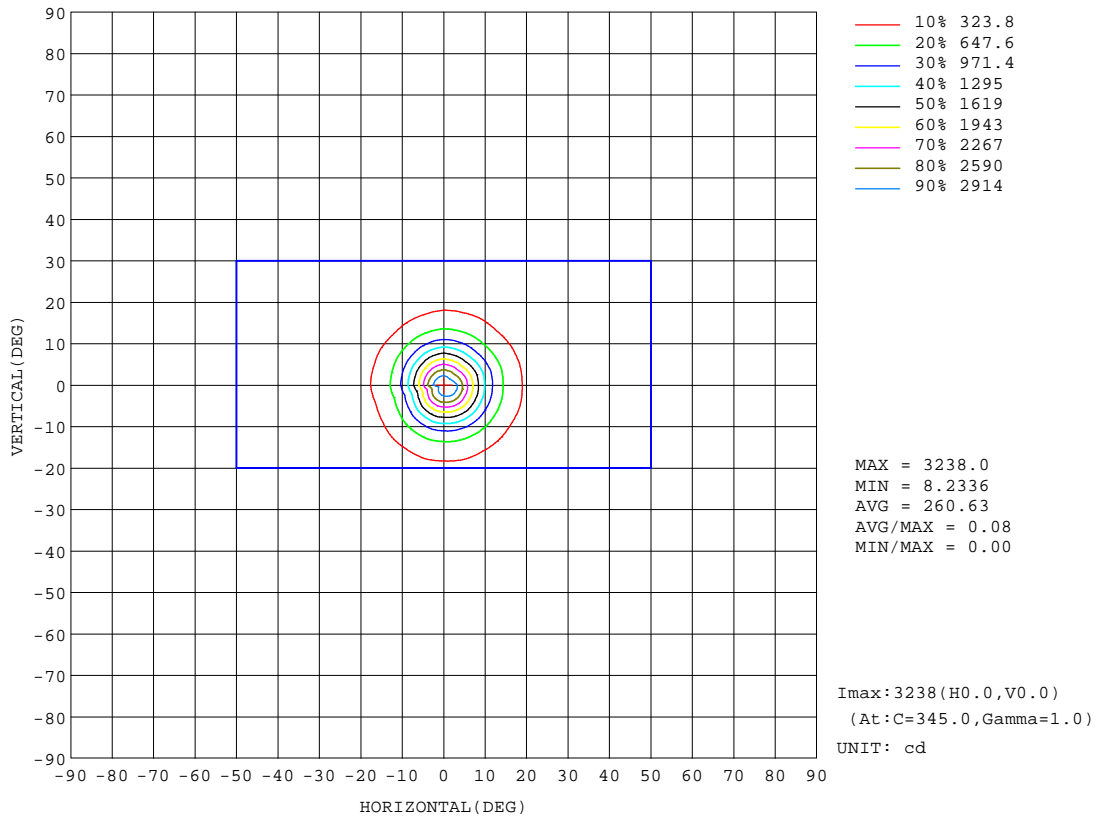
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	88	81	78	87	81	78	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	95	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	109	104	101	107	103	100	104	101	99	94
2.50	110	106	103	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
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:2022-06-01

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:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm		
NAME: 486748-MR16-4W-3000K-15°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:



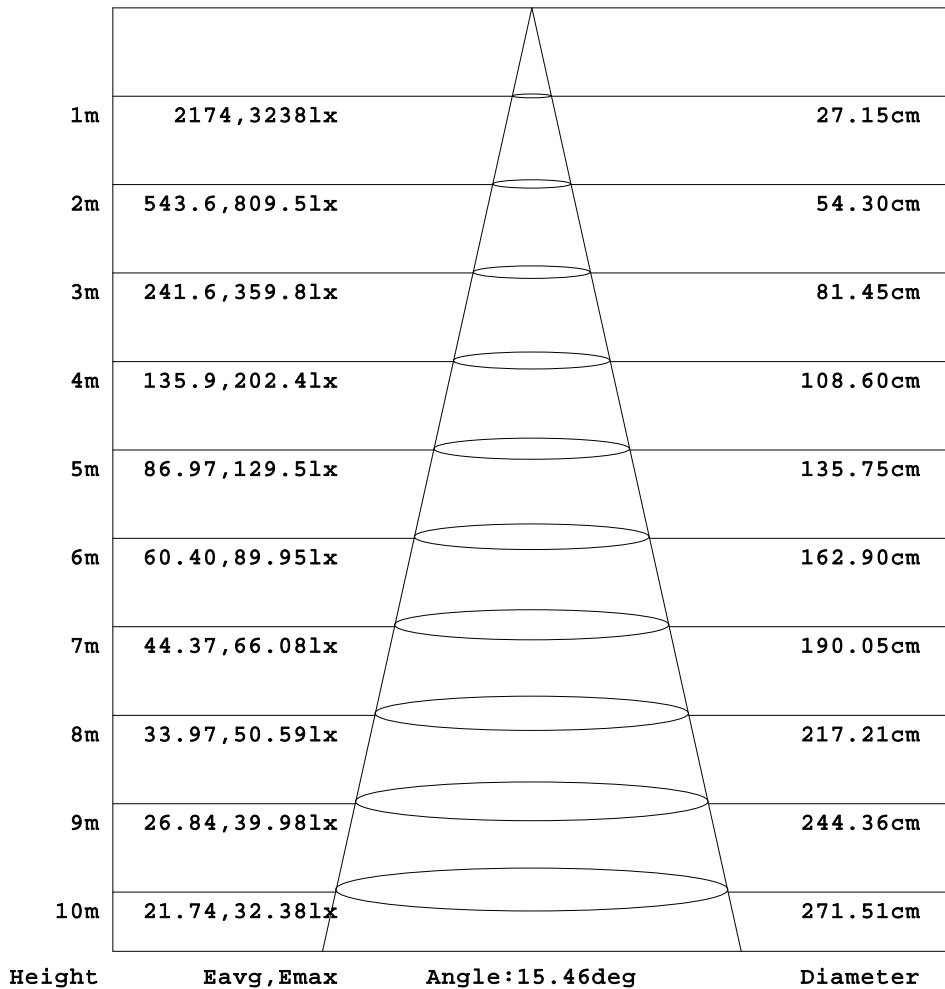
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-06-01

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:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm		
NAME: 486748-MR16-4W-3000K-15°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

Flux out:134.9 lm



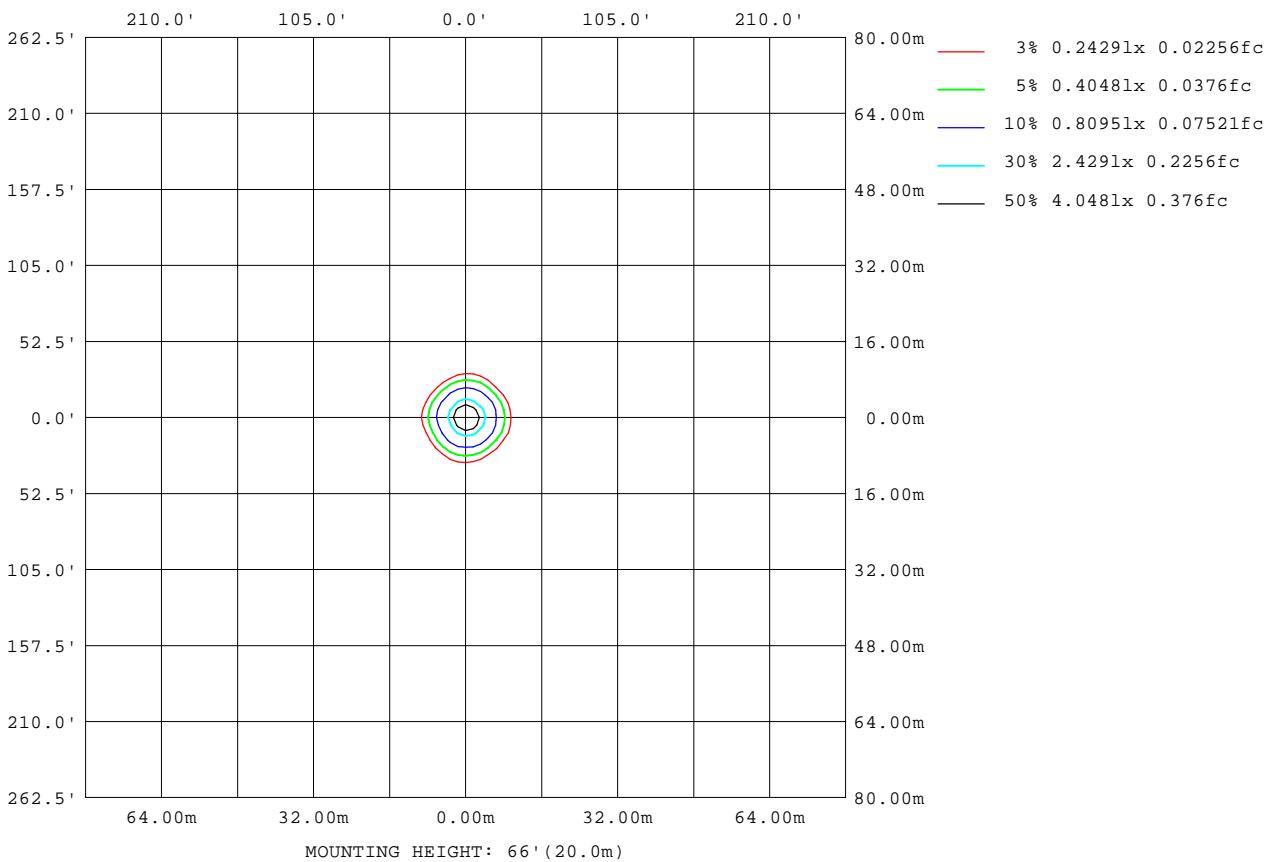
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-01

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:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm		
NAME: 486748-MR16-4W-3000K-15°	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:2022-06-01

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:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm		
NAME: 486748-MR16-4W-3000K-15°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

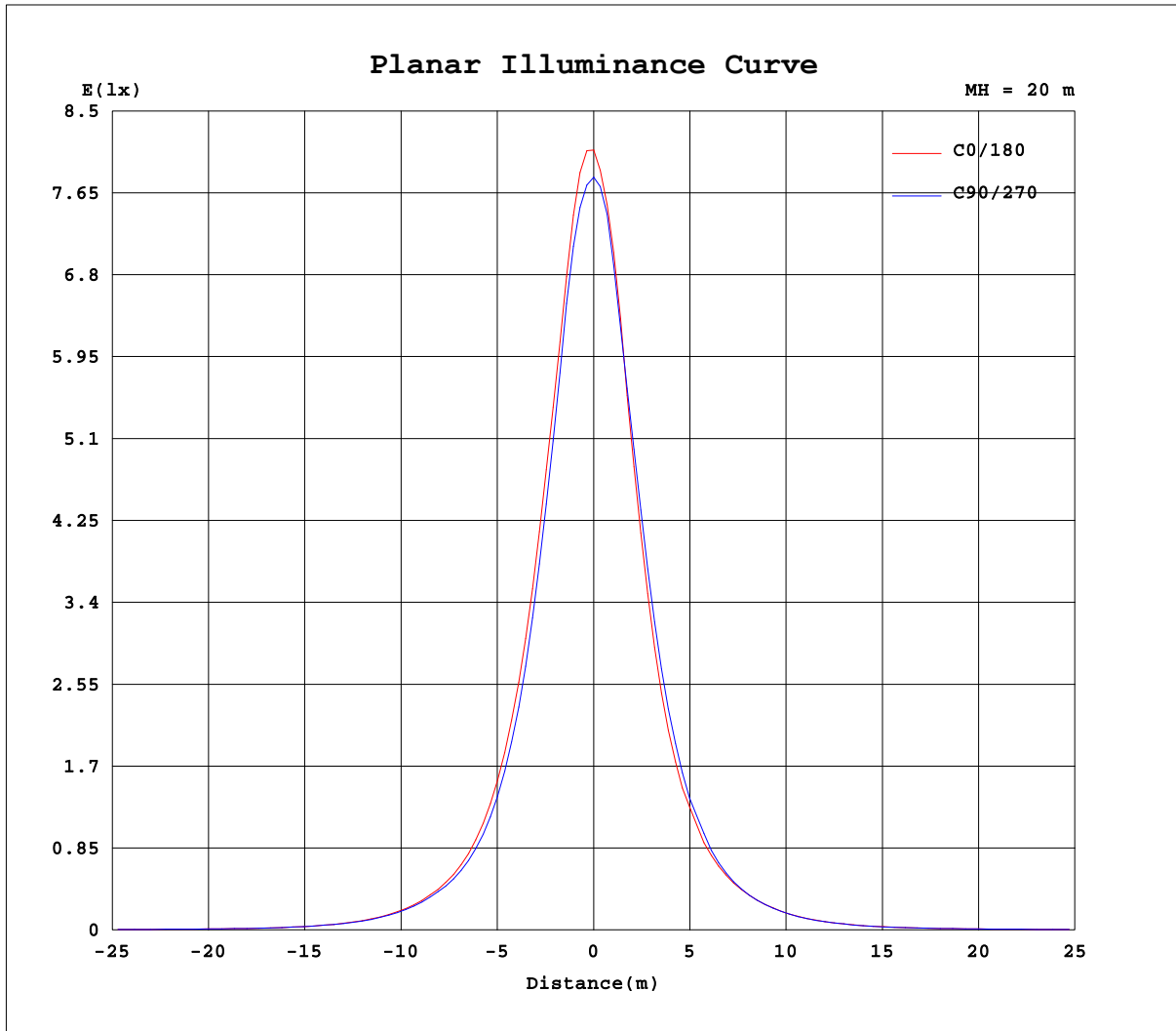
AvgL	cd/m2
L_0~180 (65) av	12661
L_0~180 (75) av	10534
L_0~180 (85) av	3502
L_90~270 (65) av	10193
L_90~270 (75) av	1780
L_90~270 (85) av	0
L_45 (65) av	12764
L_45 (75) av	6460
L_45 (85) av	35

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-01

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: 2022-06-01

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:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm		
NAME: 486748-MR16-4W-3000K-15°	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	3133	3133	3133	3133	3133	3133	3133	3133	3133	3133	3133	3133	3133	3133	3133	3133	3133	3133	3133
5	2390	2423	2417	2442	2412	2395	2347	2354	2311	2267	2163	2081	2173	2153	2172	2178	2222	2248	2281
10	1227	1246	1231	1234	1203	1184	1150	1147	1101	1071	1000	955	999	995	1021	1033	1075	1107	1140
15	564	574	562	574	546	556	524	537	502	504	457	444	470	451	473	456	490	491	528
20	270	275	260	258	252	263	258	258	240	235	219	222	229	218	214	208	213	223	243
25	138	136	123	122	119	130	135	134	120	116	109	114	120	109	103	97.2	102	108	123
30	70.1	69.9	63.1	62.5	61.4	66.5	69.7	70.6	63.8	62.3	58.6	60.0	62.0	56.7	54.2	51.5	54.4	57.0	63.6
35	36.7	36.2	34.6	33.6	34.2	35.7	37.8	37.9	36.5	35.3	34.5	33.7	33.8	32.2	30.3	30.0	30.5	32.7	34.4
40	21.7	21.4	21.0	20.5	21.1	21.4	22.6	22.5	22.6	22.1	22.1	21.1	20.4	19.9	19.0	19.1	19.7	21.1	21.5
45	15.3	15.4	15.1	14.9	14.9	15.2	15.7	16.0	16.1	16.2	16.1	15.6	15.0	14.3	14.1	14.3	14.8	15.6	16.0
50	11.9	11.9	11.7	11.6	11.4	11.6	11.9	12.2	12.4	12.4	12.4	12.1	11.4	11.1	10.9	11.1	11.5	12.0	12.4
55	9.27	9.31	9.16	9.04	8.88	8.95	9.13	9.36	9.56	9.48	9.49	9.24	8.75	8.56	8.51	8.64	8.88	9.25	9.46
60	7.13	7.17	7.10	7.04	6.80	6.60	6.63	6.93	7.28	7.27	7.29	7.12	6.76	6.62	6.61	6.68	6.79	6.80	6.71
65	5.49	5.52	5.46	5.36	4.81	4.32	4.27	4.58	5.24	5.51	5.58	5.46	5.21	5.10	5.08	5.11	4.92	4.51	4.35
70	4.11	4.12	4.04	3.63	2.87	2.35	2.04	2.56	3.09	3.75	4.07	4.00	3.87	3.79	3.74	3.57	2.89	2.52	2.41
75	2.83	2.83	2.65	1.50	0.60	0.49	0.47	0.54	0.67	1.58	2.60	2.66	2.63	2.58	2.47	1.62	0.59	0.48	0.45
80	1.55	1.54	0.50	0.16	0.02	0.02	0.03	0.02	0.02	0.16	0.47	1.29	1.37	1.33	0.53	0.15	0.02	0.02	0.02
85	0.38	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.23	0.10	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: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-01

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:11.950V I:0.4900A P:4.3167W PF:0.7372 Freq:60.00Hz Lamp Flux:438.8x1 lm		
NAME: 486748-MR16-4W-3000K-15°	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	3133	3133	3133	3133	3133														
5	2260	2293	2315	2415	2498														
10	1138	1162	1184	1262	1325														
15	516	547	543	594	611														
20	248	253	249	270	285														
25	126	123	117	127	136														
30	63.9	62.7	59.8	64.5	69.9														
35	34.7	33.3	33.1	34.2	37.6														
40	21.6	20.6	20.4	20.8	22.4														
45	15.6	15.1	14.9	15.1	15.8														
50	12.0	11.8	11.9	12.1	12.5														
55	9.23	9.23	9.31	9.52	9.84														
60	6.78	7.07	7.28	7.47	7.63														
65	4.48	5.12	5.59	5.78	5.90														
70	2.60	3.09	3.95	4.29	4.44														
75	0.48	0.71	1.98	2.90	3.10														
80	0.02	0.03	0.23	1.06	1.73														
85	0.00	0.00	0.01	0.02	0.46														
90	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-01

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: