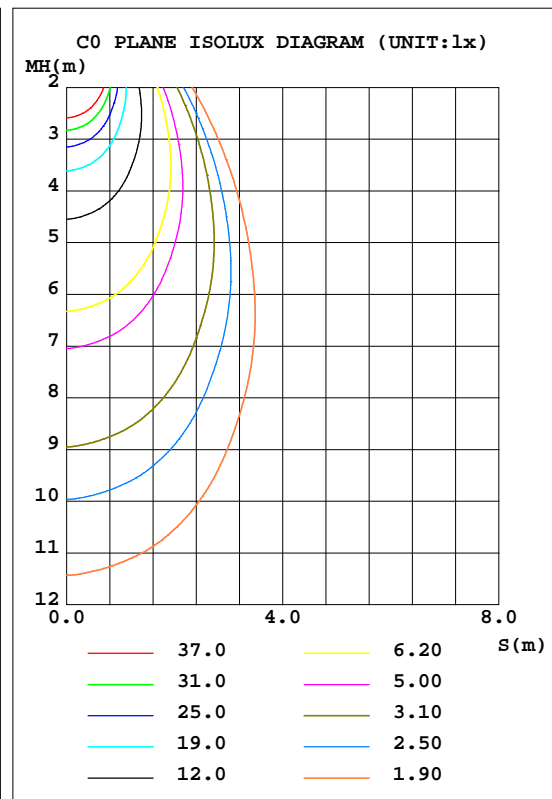
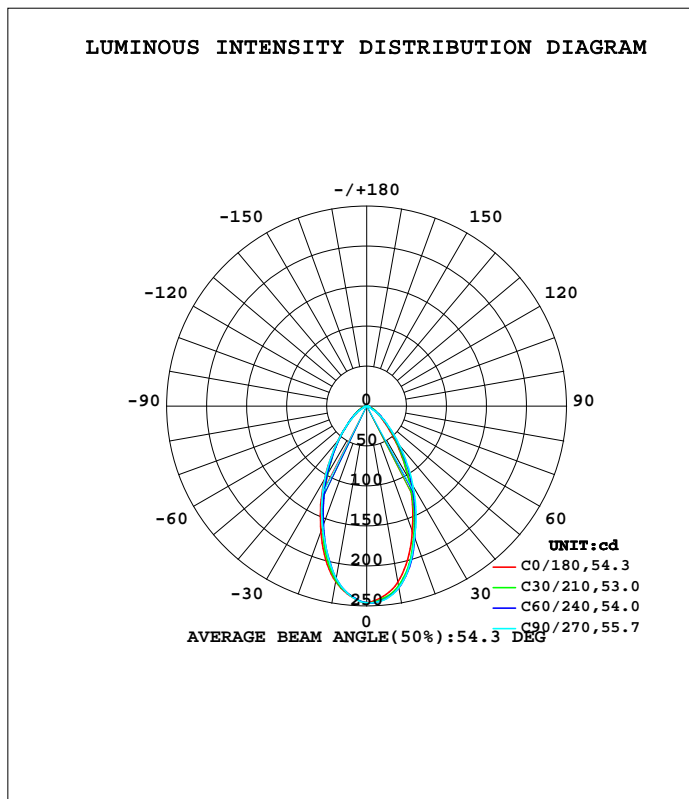


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm		
NAME: 486709-MR16-2W-3000K-60°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 102.66 lm/W			
MODEL		I _{max} (cd)	246.4	S/MH(C0/180)	0.81
NOMINAL POWER(W)	--	LOR(%)	100.0	S/MH(C90/270)	0.79
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	246.41	η UP,DN(C0-180)	0.0,51.5
NOMINAL FLUX(lm)	246.407	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	--	η down(%)	100.0	CIBSE SHR MAX	0.85



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-05-29

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	223.7	230.9	230.6	226.4	223.2	220.0	219.2	222.3	0- 10	22.41	22.41	9.09,9.09
20	167.1	176.5	175.4	170.4	167.3	158.9	161.4	163.5	10- 20	55.25	77.65	31.5,31.5
30	105.5	109.8	116.8	106.2	105.5	96.82	104.7	99.24	20- 30	62.07	139.7	56.7,56.7
40	54.75	60.02	63.89	57.36	55.11	52.46	54.89	53.07	30- 40	49.20	188.9	76.7,76.7
50	25.79	29.47	30.52	28.13	25.26	26.46	25.01	26.43	40- 50	30.73	219.7	89.1,89.1
60	12.00	14.26	8.855	13.54	11.99	12.79	8.524	12.85	50- 60	16.66	236.3	95.9,95.9
70	5.075	4.136	2.576	4.280	5.259	4.248	2.813	4.848	60- 70	7.159	243.5	98.8,98.8
80	2.396	0.5715	0.0456	0.4641	2.227	0.4800	0.0291	0.9334	70- 80	2.612	246.1	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	0.3206	246.4	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): 206.45 lm

%lum = 83.8%
%lamp = 83.8%

Conical surface Flux(120deg): 236.31 lm

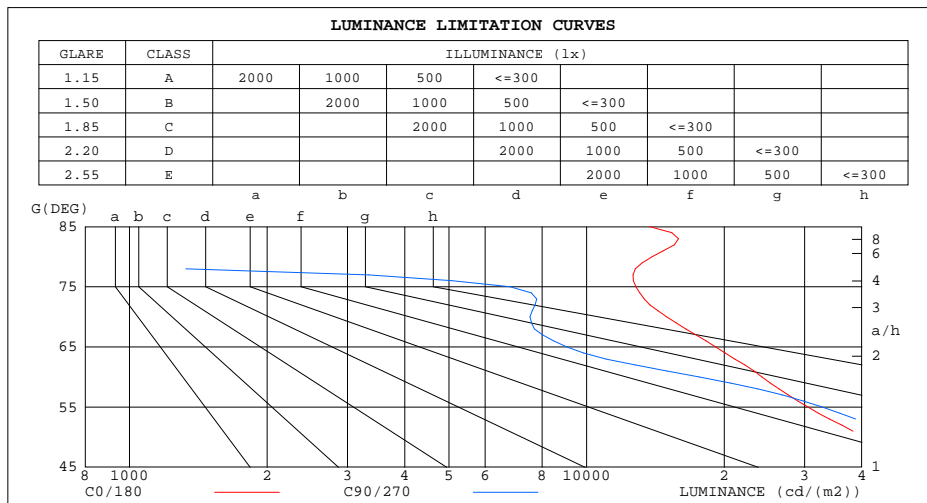
%lum = 95.9%
%lamp = 95.9%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-29

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:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm		
NAME: 486709-MR16-2W-3000K-60°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	13728	1
80	13917	262
75	12815	6803
70	14967	7518
65	19160	9052
60	24213	17683
55	30519	32812
50	40470	47404
45	53934	63060

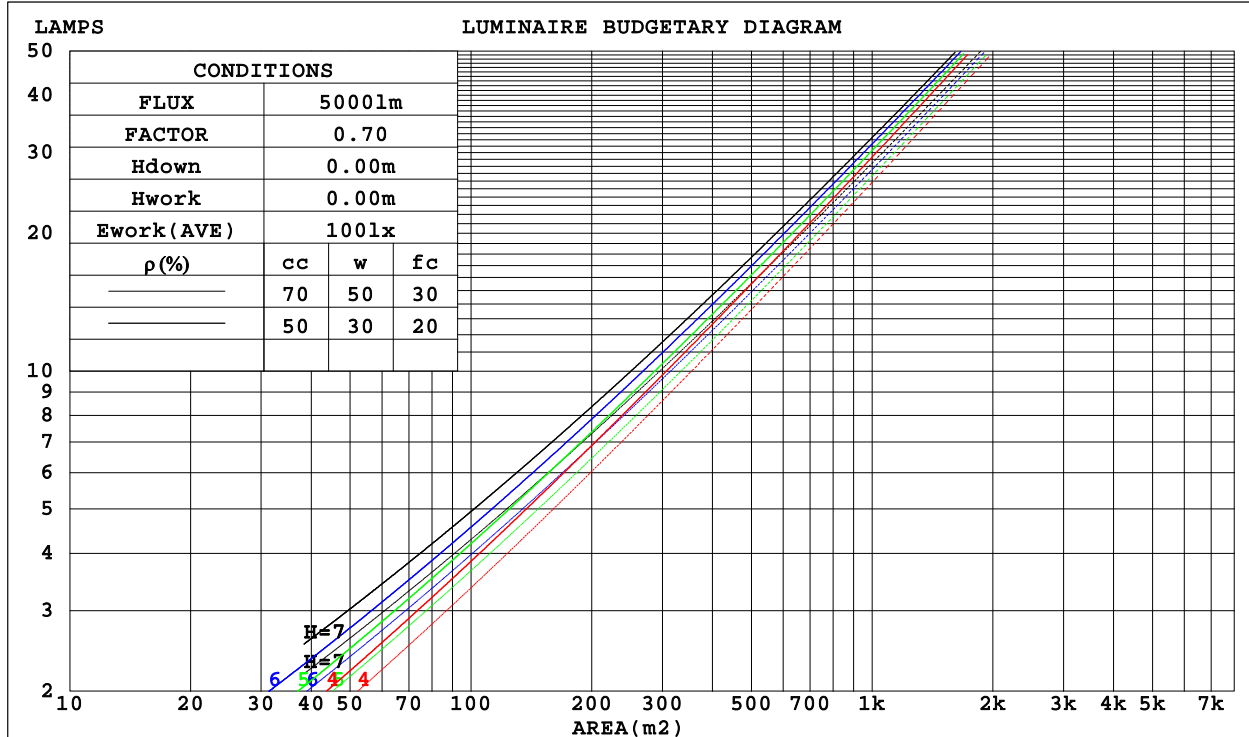
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-29

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:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm		
NAME: 486709-MR16-2W-3000K-60°	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	1.09	1.06	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.98	.96	.96	.94	.93	.91
2.0	.00	.95	.91	.98	.94	.90	.95	.91	.88	.92	.89	.86	.89	.87	.85	.83
3.0	.92	.86	.81	.90	.85	.81	.88	.83	.79	.85	.81	.78	.83	.80	.77	.75
4.0	.85	.78	.73	.83	.77	.73	.81	.76	.72	.79	.75	.71	.77	.73	.70	.68
5.0	.78	.71	.66	.77	.71	.66	.75	.70	.66	.74	.69	.65	.72	.68	.64	.63
6.0	.73	.66	.61	.72	.65	.61	.70	.64	.60	.69	.64	.60	.67	.63	.59	.58
7.0	.68	.61	.56	.67	.60	.56	.65	.60	.55	.64	.59	.55	.63	.58	.55	.53
8.0	.63	.56	.52	.63	.56	.52	.61	.56	.51	.60	.55	.51	.59	.55	.51	.49
9.0	.59	.53	.48	.59	.52	.48	.58	.52	.48	.57	.51	.48	.56	.51	.48	.46
10.0	.56	.49	.45	.55	.49	.45	.54	.49	.45	.54	.48	.45	.53	.48	.44	.43



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-05-29

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:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm		
NAME: 486709-MR16-2W-3000K-60°	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	.207	.118	.037	.200	.114	.036	.187	.107	.034	.176	.101	.033	.165	.096	.031	
2.0	.200	.110	.034	.194	.107	.033	.183	.102	.032	.173	.097	.030	.164	.093	.029	
3.0	.190	.101	.030	.185	.099	.030	.176	.095	.029	.167	.092	.028	.159	.088	.027	
4.0	.180	.094	.028	.176	.092	.027	.168	.089	.027	.160	.086	.026	.153	.083	.025	
5.0	.171	.087	.025	.167	.086	.025	.160	.083	.025	.153	.081	.024	.147	.079	.024	
6.0	.162	.081	.023	.159	.080	.023	.152	.078	.023	.146	.076	.022	.141	.074	.022	
7.0	.154	.076	.022	.151	.075	.021	.145	.073	.021	.140	.072	.021	.135	.070	.021	
8.0	.146	.071	.020	.143	.070	.020	.138	.069	.020	.133	.068	.019	.129	.066	.019	
9.0	.139	.067	.019	.136	.066	.019	.132	.065	.018	.128	.064	.018	.124	.063	.018	
10.0	.132	.063	.018	.130	.063	.018	.126	.062	.017	.122	.061	.017	.118	.060	.017	

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	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.149	.114	.086	.128	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.140	.099	.069	.120	.086	.060	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.132	.088	.056	.113	.076	.049	.078	.053	.034	.045	.031	.020	.015	.010	.007	
6.0	.125	.079	.047	.107	.069	.041	.074	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.118	.072	.039	.102	.062	.034	.070	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.113	.066	.034	.097	.057	.029	.067	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.107	.061	.029	.092	.053	.026	.064	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.102	.056	.026	.088	.049	.023	.061	.034	.016	.036	.020	.010	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-29

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:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm										
NAME: 486709-MR16-2W-3000K-60°					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	23.5	24.6	23.7	24.8	24.9	23.7	24.8	23.9	24.9	25.1
3H	23.7	24.8	24.0	25.0	25.2	23.6	24.6	23.8	24.8	25.0
4H	23.8	24.8	24.1	25.0	25.2	23.5	24.5	23.8	24.7	25.0
6H	23.9	24.8	24.2	25.0	25.3	23.5	24.4	23.8	24.6	24.9
8H	23.9	24.8	24.3	25.1	25.3	23.4	24.3	23.7	24.5	24.8
12H	24.0	24.8	24.3	25.1	25.4	23.4	24.2	23.7	24.5	24.8
4H 2H	23.6	24.5	23.9	24.8	25.0	23.7	24.7	24.0	24.9	25.1
3H	24.0	24.8	24.3	25.1	25.3	23.7	24.5	24.0	24.8	25.1
4H	24.1	24.8	24.4	25.1	25.5	23.7	24.4	24.0	24.7	25.1
6H	24.2	24.9	24.6	25.2	25.6	23.6	24.3	24.0	24.6	24.9
8H	24.3	24.9	24.7	25.3	25.6	23.5	24.2	23.9	24.5	24.9
12H	24.4	24.9	24.8	25.3	25.7	23.5	24.1	23.9	24.4	24.8
8H 4H	24.0	24.6	24.4	25.0	25.3	23.6	24.2	24.0	24.6	25.0
6H	24.2	24.7	24.6	25.1	25.5	23.5	24.0	24.0	24.4	24.9
8H	24.3	24.7	24.7	25.2	25.6	23.5	23.9	23.9	24.3	24.8
12H	24.4	24.8	24.8	25.2	25.7	23.4	23.8	23.9	24.3	24.7
12H 4H	24.0	24.5	24.4	24.9	25.3	23.6	24.1	24.0	24.5	24.9
6H	24.1	24.6	24.6	25.0	25.4	23.5	23.9	23.9	24.4	24.8
8H	24.2	24.6	24.7	25.1	25.5	23.4	23.8	23.9	24.3	24.7
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 1.5					+ 1.4 / - 2.3				
1.5H	+ 1.2 / - 1.1					+ 1.6 / - 1.2				
2.0H	+ 1.8 / - 1.7					+ 2.8 / - 4.0				

CIE Pub.117, 246.4 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -4.9)
Area: 0.001 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-29

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:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm		
NAME: 486709-MR16-2W-3000K-60°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

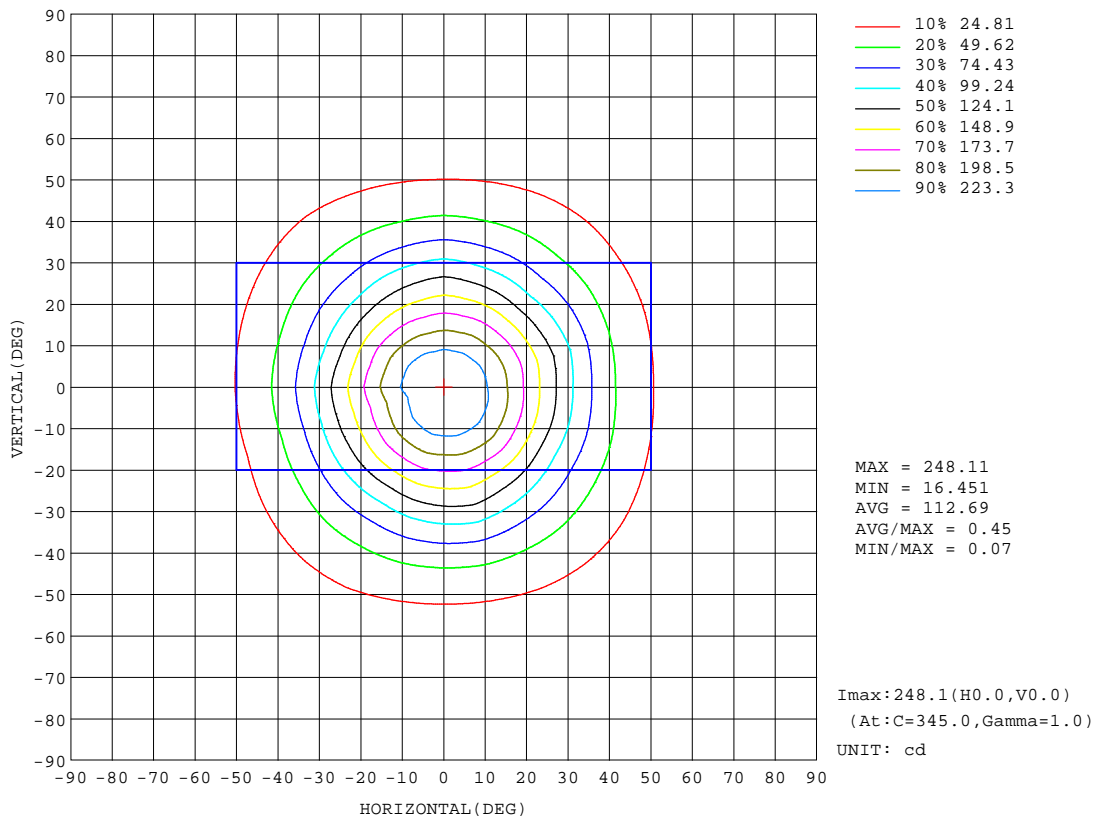
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	77	68	64	76	68	63	75	68	63	59
0.80	86	78	73	85	77	73	83	77	72	68
1.00	92	85	80	91	84	80	89	84	79	74
1.25	97	90	86	96	90	85	94	89	85	80
1.50	101	95	90	99	94	90	97	92	89	83
2.00	105	100	95	103	98	95	100	96	93	87
2.50	107	102	98	105	101	98	102	99	96	89
3.00	109	105	101	107	103	100	104	101	98	91
4.00	112	108	105	110	107	104	106	103	101	94
5.00	113	110	108	111	108	106	107	105	103	95
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:2022-05-29

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:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm		
NAME: 486709-MR16-2W-3000K-60°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:



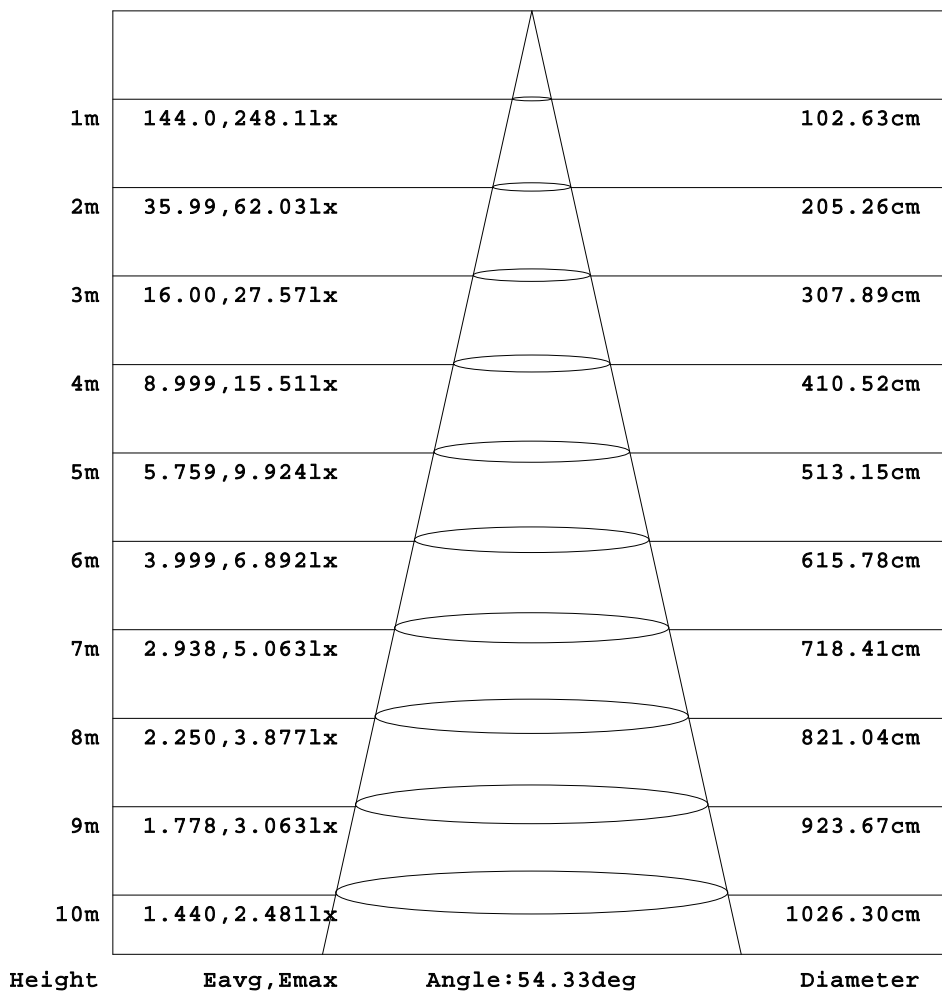
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-05-29

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:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm		
NAME: 486709-MR16-2W-3000K-60°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

Flux out:127.9 lm



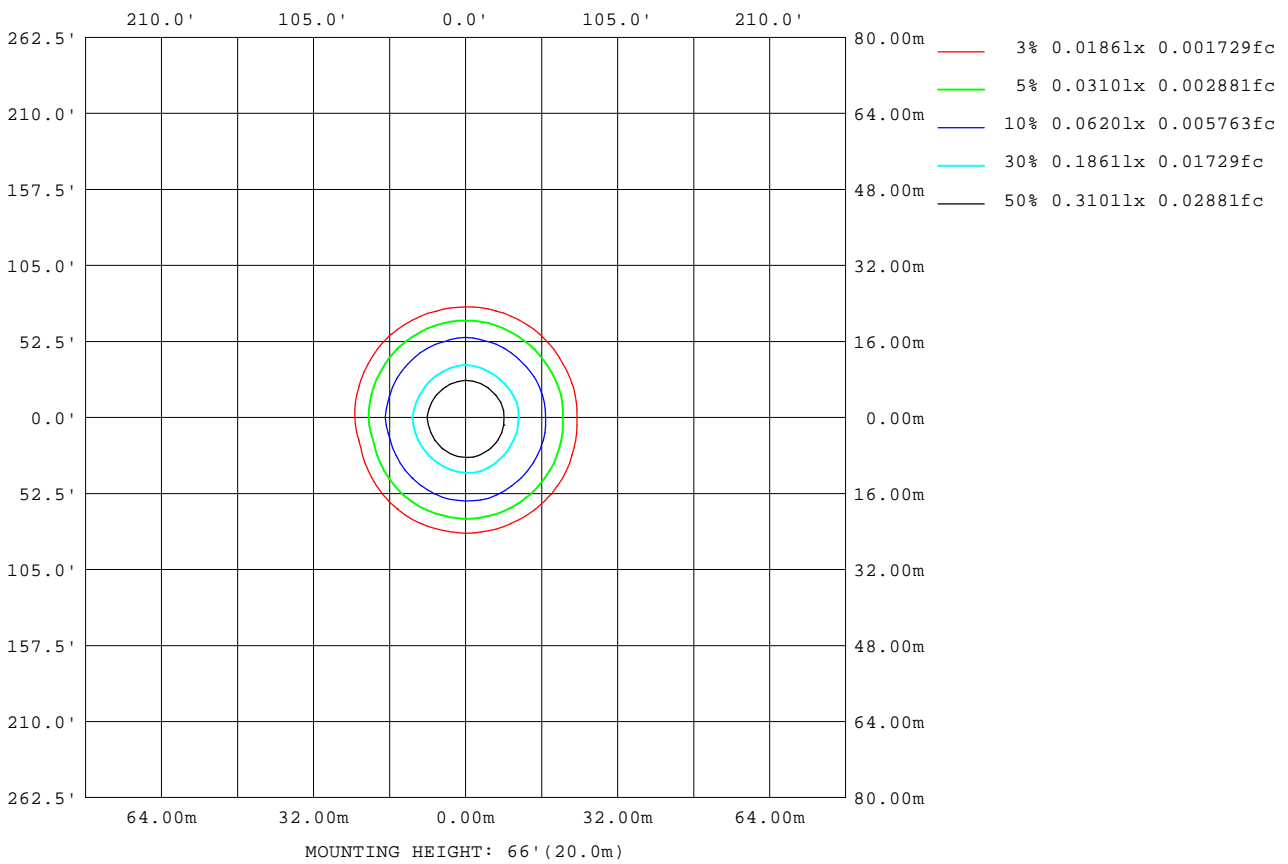
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-29

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:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm		
NAME: 486709-MR16-2W-3000K-60°	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:2022-05-29

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:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm		
NAME: 486709-MR16-2W-3000K-60°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

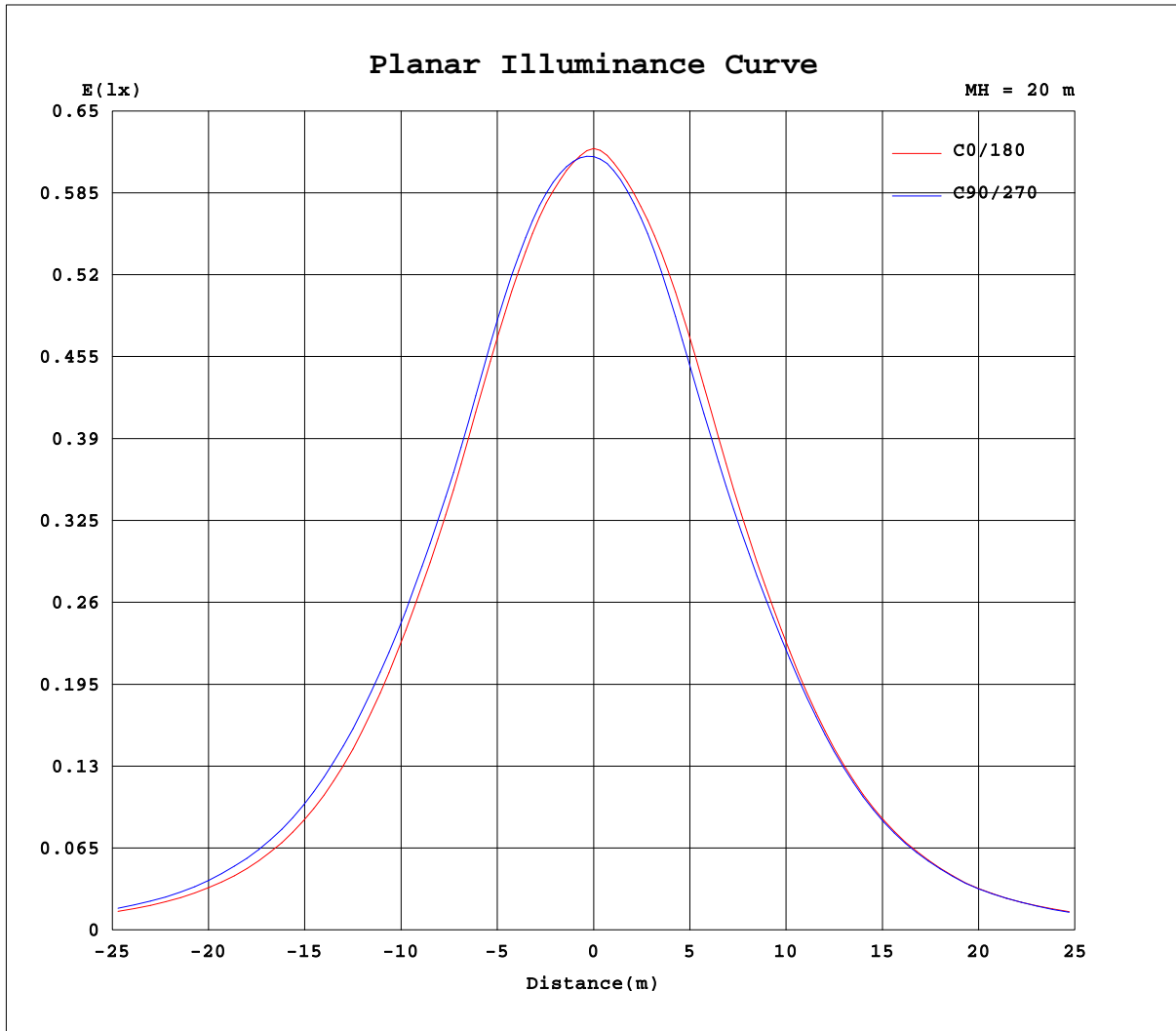
AvgL	cd/m2
L_0~180(65)av	19137
L_0~180(75)av	12845
L_0~180(85)av	11940
L_90~270(65)av	9284
L_90~270(75)av	7115
L_90~270(85)av	0
L_45(65)av	19889
L_45(75)av	9288
L_45(85)av	124

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-29

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: 2022-05-29

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:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm		
NAME: 486709-MR16-2W-3000K-60°	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	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246	246
5	239	241	241	243	243	244	243	243	241	240	238	237	238	237	238	237	237	237	238
10	224	227	229	231	231	232	231	230	228	226	223	221	223	221	222	220	219	218	219
15	199	202	205	208	208	209	207	208	204	203	198	195	199	195	195	192	191	189	191
20	167	170	172	177	176	178	175	175	172	170	167	165	167	162	162	159	158	158	161
25	136	138	139	142	143	148	146	144	139	137	135	135	136	130	128	126	127	129	133
30	106	107	106	110	113	120	117	113	107	106	105	104	106	99.4	97.5	96.8	99.3	101	105
35	77.3	79.1	79.1	82.4	85.6	90.4	88.6	85.5	80.8	79.3	76.5	75.2	77.7	74.0	73.2	72.2	73.7	74.9	77.3
40	54.7	57.1	57.7	60.0	61.6	64.8	63.9	62.6	59.0	57.4	54.0	52.6	55.1	52.9	53.2	52.5	53.1	53.3	54.9
45	37.8	39.1	40.9	41.7	43.6	44.9	44.7	43.7	42.3	39.9	37.7	35.3	37.1	37.1	36.8	37.4	36.9	37.3	37.2
50	25.8	27.1	28.7	29.5	30.0	30.2	30.5	29.8	29.6	28.1	26.1	24.0	25.3	25.7	25.9	26.5	25.6	25.2	25.0
55	17.4	18.6	19.9	20.5	20.5	19.4	18.9	19.5	20.6	19.5	17.8	16.3	17.1	17.5	18.1	18.4	17.5	16.6	16.3
60	12.0	12.8	13.8	14.3	12.4	9.72	8.86	10.2	12.8	13.5	12.4	11.5	12.0	12.2	12.7	12.8	11.2	9.09	8.52
65	8.03	8.49	9.13	8.69	5.61	4.07	3.83	4.18	6.20	8.38	8.08	7.59	8.15	8.21	8.46	8.10	5.54	4.18	4.02
70	5.08	5.23	5.47	4.14	2.96	2.71	2.58	2.59	2.90	4.28	4.88	4.76	5.26	5.26	5.31	4.25	3.09	2.82	2.81
75	3.29	3.11	2.91	2.31	2.19	1.93	1.76	1.81	2.02	2.22	2.76	2.99	3.36	3.29	3.04	2.49	2.25	1.95	1.92
80	2.40	2.06	1.56	0.57	0.06	0.05	0.05	0.04	0.05	0.46	1.36	1.97	2.23	2.18	1.58	0.48	0.02	0.03	0.03
85	1.19	0.54	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.16	0.89	0.29	0.01	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:2022-05-29

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:11.991V I:0.2960A P:2.4001W PF:0.6762 Freq:60.00Hz Lamp Flux:246.407x1 lm		
NAME: 486709-MR16-2W-3000K-60°	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	246	246	246	246	246													
5	238	239	239	240	240													
10	219	221	222	225	226													
15	191	194	196	199	201													
20	160	162	164	167	171													
25	131	131	130	134	140													
30	101	101	99.2	104	110													
35	75.3	75.0	73.8	77.5	80.7													
40	53.8	54.0	53.1	55.2	56.3													
45	37.6	37.1	37.5	37.6	39.2													
50	25.6	26.2	26.4	26.2	26.8													
55	17.3	18.1	18.4	18.1	18.1													
60	9.89	12.2	12.8	12.6	12.5													
65	4.54	6.69	8.45	8.42	8.43													
70	2.95	3.37	4.85	5.20	5.34													
75	2.17	2.43	2.60	3.06	3.44													
80	0.03	0.12	0.93	1.90	2.42													
85	0.00	0.00	0.02	0.05	1.41													
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:2022-05-29

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: