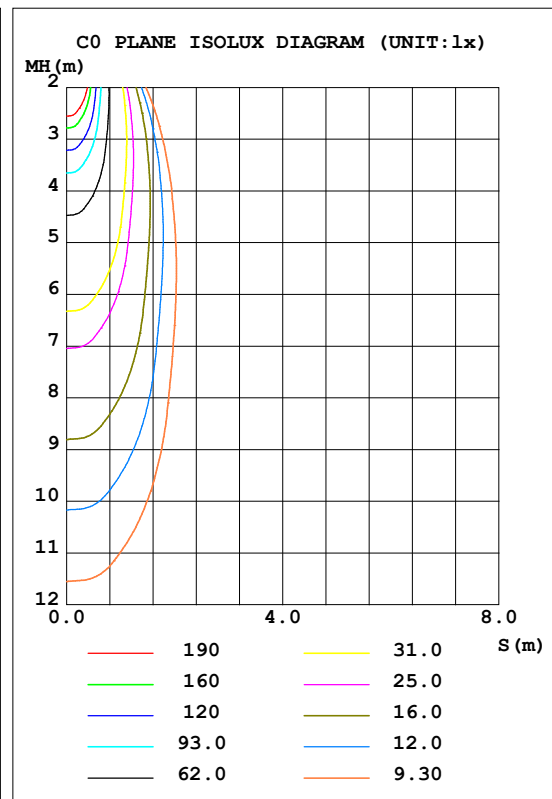
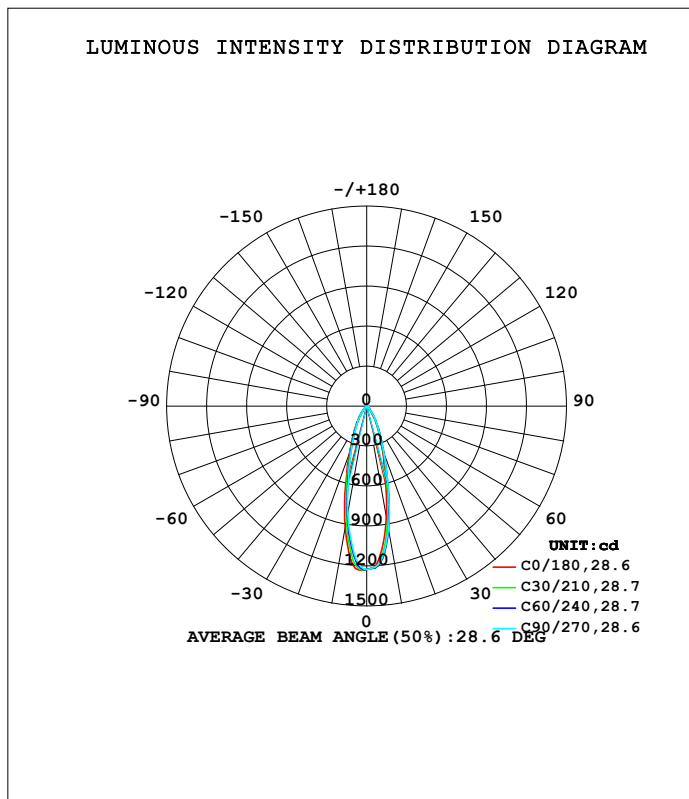


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm		
NAME: 486749-MR16-4W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 102.81 lm/W			
MODEL		I _{max} (cd)	1233	S/MH (C0/180)	0.50
NOMINAL POWER (W)	--	LOR (%)	100.0	S/MH (C90/270)	0.45
RATED VOLTAGE (V)	--	TOTAL FLUX (lm)	465.56	η UP, DN (C0-180)	0.0, 51.2
NOMINAL FLUX (lm)	465.565	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 48.8
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: 2022-04-09

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:

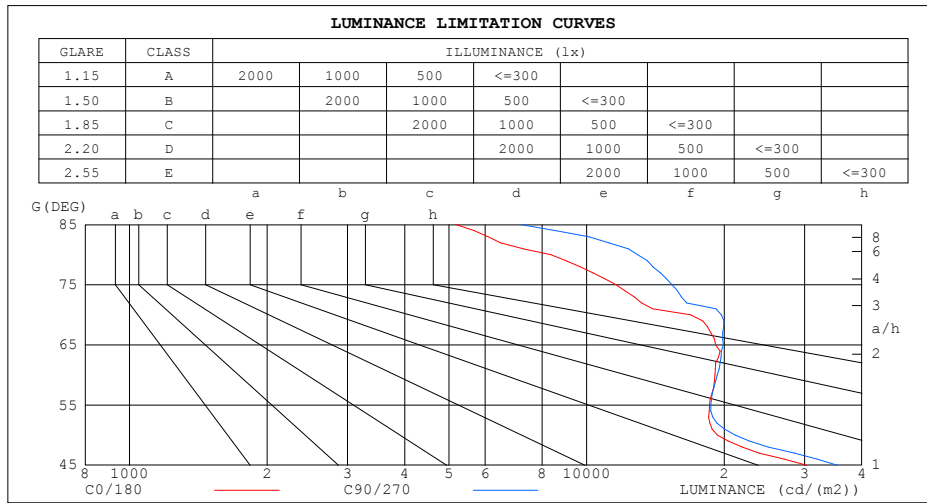
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	855.0	931.5	939.8	907.8	931.8	854.8	822.5	843.4	0- 10	100.9	100.9	21.7,21.7
20	345.3	387.7	383.4	374.2	384.0	347.8	334.3	352.2	10- 20	160.3	261.2	56.1,56.1
30	138.7	151.9	153.1	153.5	155.0	139.4	138.8	146.1	20- 30	107.4	368.6	79.2,79.2
40	42.61	50.04	52.69	51.47	52.70	45.04	45.84	48.58	30- 40	57.23	425.9	91.5,91.5
50	12.29	12.71	13.63	12.65	12.17	10.89	11.68	13.79	40- 50	19.29	445.1	95.6,95.6
60	9.429	9.427	9.674	8.716	8.120	7.574	8.230	9.750	50- 60	9.133	454.3	97.6,97.6
70	5.709	6.502	6.751	5.521	5.521	4.543	4.124	5.519	60- 70	7.374	461.7	99.2,99.2
80	1.431	2.102	2.249	1.362	1.437	1.222	1.035	1.311	70- 80	3.341	465.0	99.9,99.9
90	0	0	0	0	0.0088	0.0141	0.0097	0.0082	80- 90	0.5709	465.6	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: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-04-09

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:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm		
NAME: 486749-MR16-4W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5181	7185
80	8344	12931
75	11595	15394
70	16895	19710
65	19162	19907
60	19088	19319
55	18594	18715
50	19357	21168
45	30339	35418

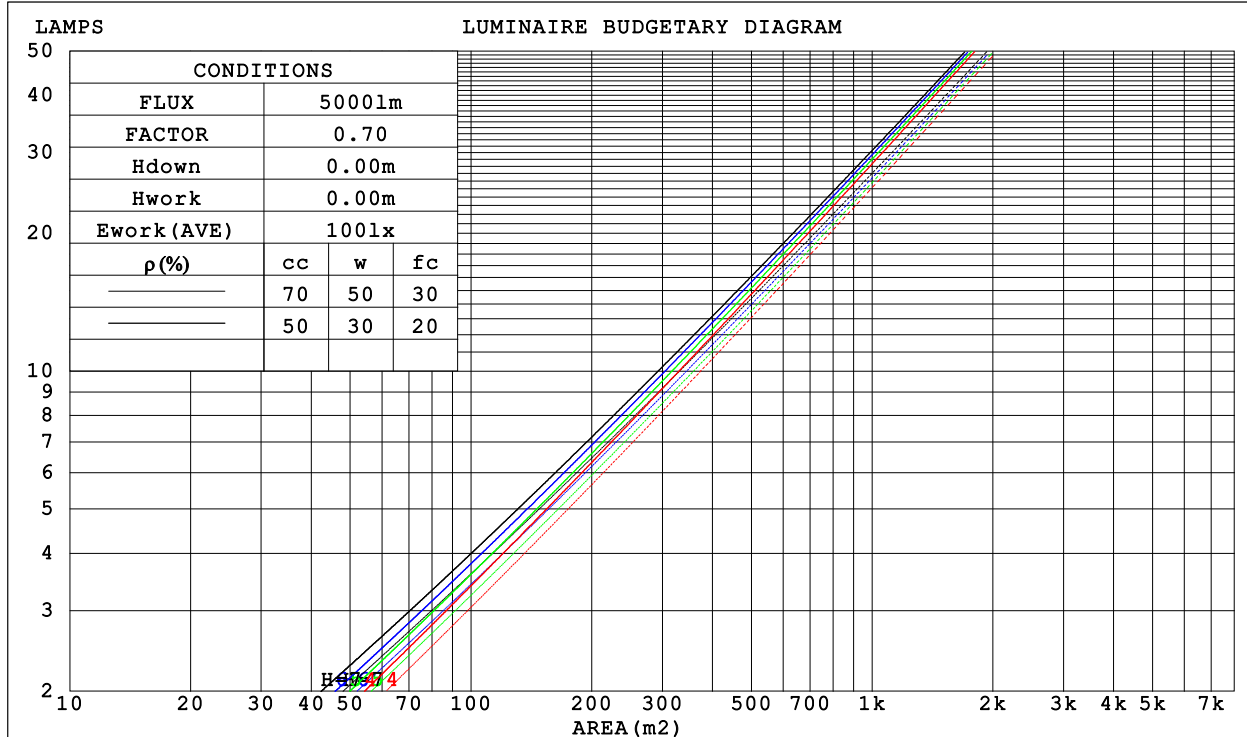
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-04-09

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:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm		
NAME: 486749-MR16-4W-3000K-25°	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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.94	.92	.90	.88
3.0	.98	.93	.90	.97	.92	.89	.94	.90	.88	.92	.89	.86	.89	.87	.85	.83
4.0	.92	.87	.84	.91	.87	.83	.89	.85	.82	.87	.84	.81	.86	.83	.80	.79
5.0	.88	.82	.78	.87	.82	.78	.85	.81	.77	.83	.80	.77	.82	.79	.76	.75
6.0	.83	.78	.74	.83	.77	.74	.81	.77	.73	.80	.76	.73	.78	.75	.72	.71
7.0	.79	.74	.70	.79	.74	.70	.78	.73	.70	.76	.72	.69	.75	.72	.69	.68
8.0	.76	.70	.67	.75	.70	.67	.74	.70	.66	.73	.69	.66	.72	.69	.66	.65
9.0	.73	.67	.64	.72	.67	.64	.71	.67	.64	.70	.66	.63	.70	.66	.63	.62
10.0	.70	.65	.61	.69	.64	.61	.68	.64	.61	.68	.64	.61	.67	.63	.61	.59



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-04-09

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:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm		
NAME: 486749-MR16-4W-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	.170	.096	.031	.163	.093	.030	.150	.086	.028	.139	.080	.026	.128	.074	.024	
2.0	.160	.088	.027	.155	.085	.026	.144	.080	.025	.134	.075	.024	.126	.071	.022	
3.0	.151	.080	.024	.146	.078	.024	.137	.074	.023	.129	.071	.022	.121	.067	.021	
4.0	.142	.074	.022	.138	.072	.021	.131	.069	.021	.123	.066	.020	.117	.063	.019	
5.0	.134	.068	.020	.131	.067	.020	.124	.065	.019	.118	.062	.019	.112	.060	.018	
6.0	.127	.064	.018	.124	.063	.018	.118	.061	.018	.113	.059	.017	.108	.057	.017	
7.0	.121	.060	.017	.118	.059	.017	.113	.057	.016	.108	.056	.016	.104	.054	.016	
8.0	.115	.056	.016	.113	.056	.016	.108	.054	.015	.104	.053	.015	.100	.051	.015	
9.0	.110	.053	.015	.108	.053	.015	.104	.051	.015	.100	.050	.014	.097	.049	.014	
10.0	.105	.050	.014	.103	.050	.014	.100	.049	.014	.096	.048	.014	.093	.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	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.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	.045	.035	.027	.014	.011	.009	
5.0	.121	.087	.061	.104	.075	.053	.072	.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	.090	.053	.029	.077	.046	.025	.054	.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:2022-04-09

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:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm										
NAME: 486749-MR16-4W-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	19.5	20.3	19.7	20.5	20.7	20.0	20.9	20.2	21.0	21.2
3H	20.2	21.0	20.4	21.2	21.4	20.7	21.5	21.0	21.7	21.9
4H	20.4	21.1	20.6	21.3	21.5	21.0	21.7	21.3	22.0	22.2
6H	20.4	21.1	20.7	21.4	21.6	21.1	21.9	21.4	22.1	22.3
8H	20.4	21.1	20.7	21.3	21.6	21.2	21.9	21.5	22.1	22.4
12H	20.4	21.0	20.7	21.3	21.6	21.2	21.8	21.5	22.1	22.4
4H 2H	19.7	20.5	20.0	20.7	20.9	20.2	20.9	20.4	21.1	21.3
3H	20.6	21.3	20.9	21.5	21.8	21.1	21.8	21.4	22.0	22.3
4H	20.9	21.4	21.2	21.7	22.0	21.5	22.1	21.8	22.4	22.7
6H	21.0	21.5	21.3	21.8	22.2	21.7	22.2	22.1	22.6	22.9
8H	21.0	21.5	21.4	21.8	22.2	21.8	22.3	22.2	22.6	23.0
12H	20.9	21.4	21.4	21.8	22.2	21.8	22.2	22.2	22.6	23.0
8H 4H	21.0	21.5	21.4	21.8	22.2	21.5	22.0	21.9	22.4	22.7
6H	21.1	21.6	21.6	21.9	22.4	21.9	22.3	22.3	22.7	23.1
8H	21.2	21.5	21.6	21.9	22.4	22.0	22.3	22.4	22.7	23.2
12H	21.2	21.5	21.6	21.9	22.4	22.0	22.3	22.5	22.7	23.2
12H 4H	20.9	21.4	21.3	21.8	22.1	21.5	21.9	21.9	22.3	22.7
6H	21.1	21.5	21.6	21.9	22.4	21.8	22.2	22.3	22.6	23.1
8H	21.2	21.5	21.6	21.9	22.4	22.0	22.3	22.4	22.7	23.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 1.2					+ 1.2 / - 1.3				
1.5H	+ 2.5 / - 1.6					+ 2.6 / - 1.3				
2.0H	+ 0.8 / - 0.6					+ 1.1 / - 0.5				

CIE Pub.117, 465.6 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.7)
Area: 0.001 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-09

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:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm		
NAME: 486749-MR16-4W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

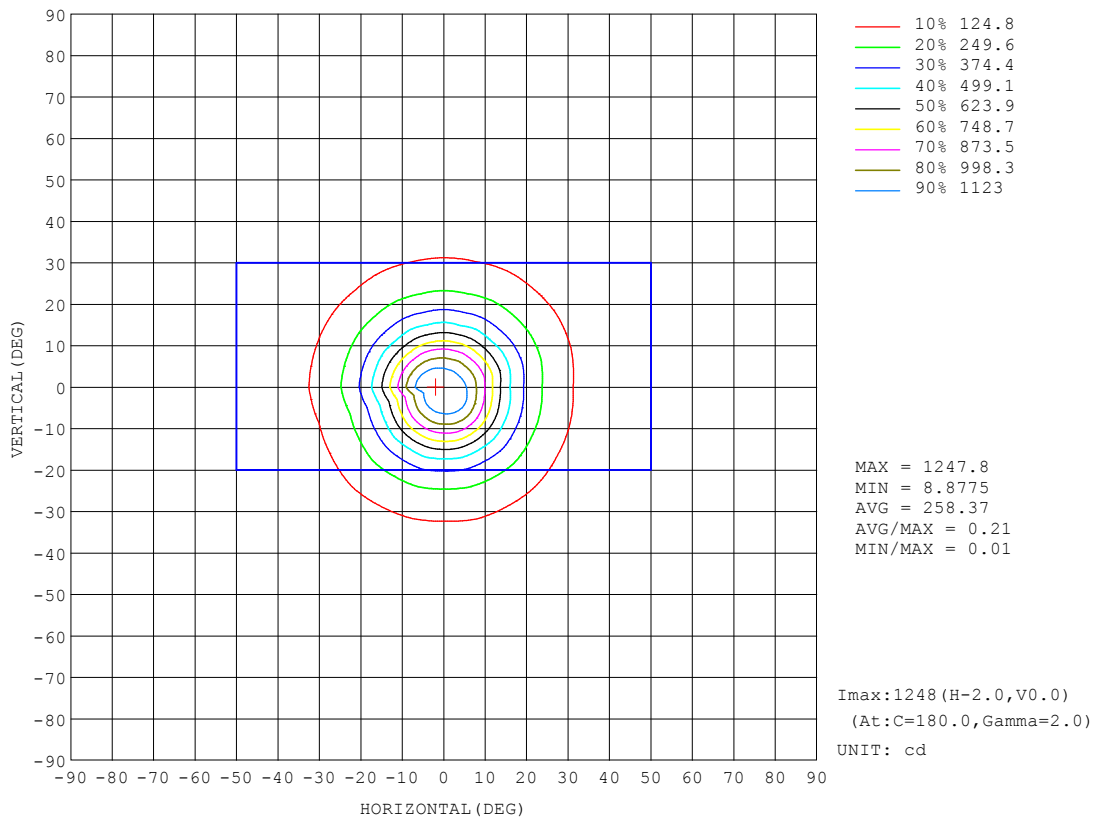
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	86	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	87	84	92	87	83	80
1.00	98	92	89	97	92	88	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	90
2.00	108	104	100	106	103	99	104	101	98	93
2.50	110	106	103	108	104	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	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:2022-04-09

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:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm		
NAME: 486749-MR16-4W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:



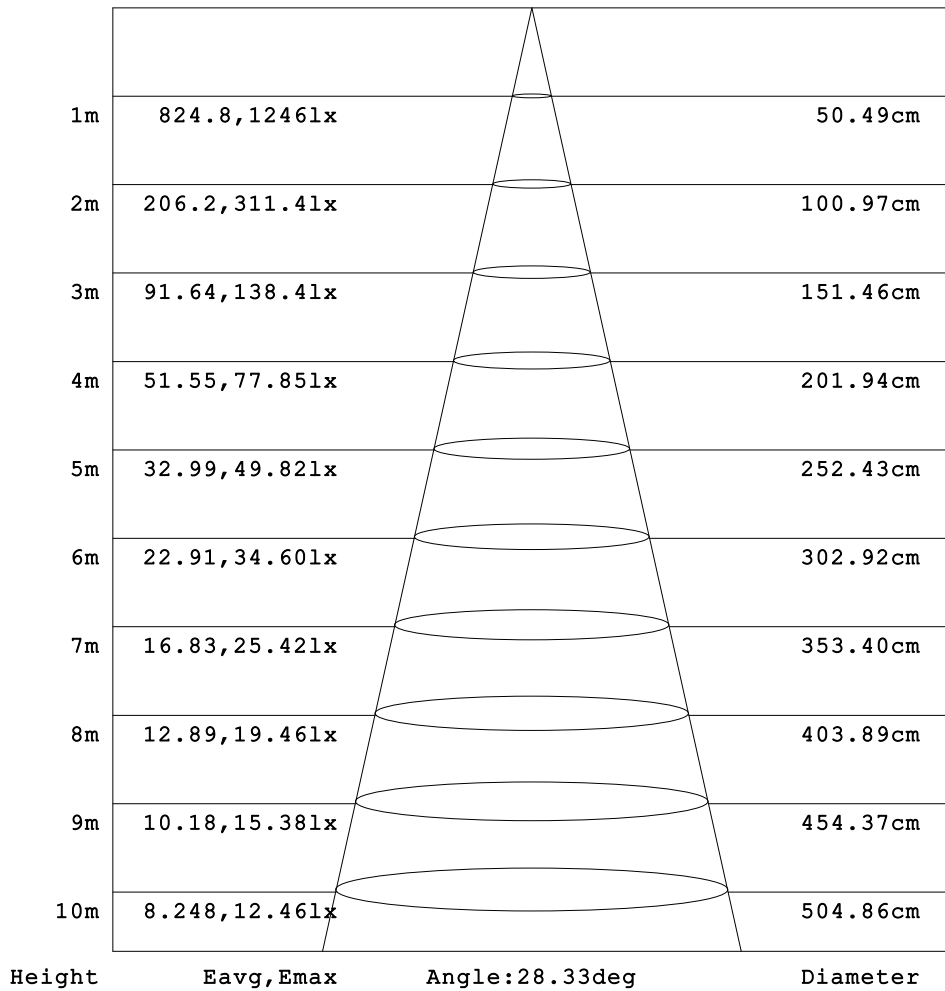
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-04-09

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:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm		
NAME: 486749-MR16-4W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

Flux out:186.0 lm



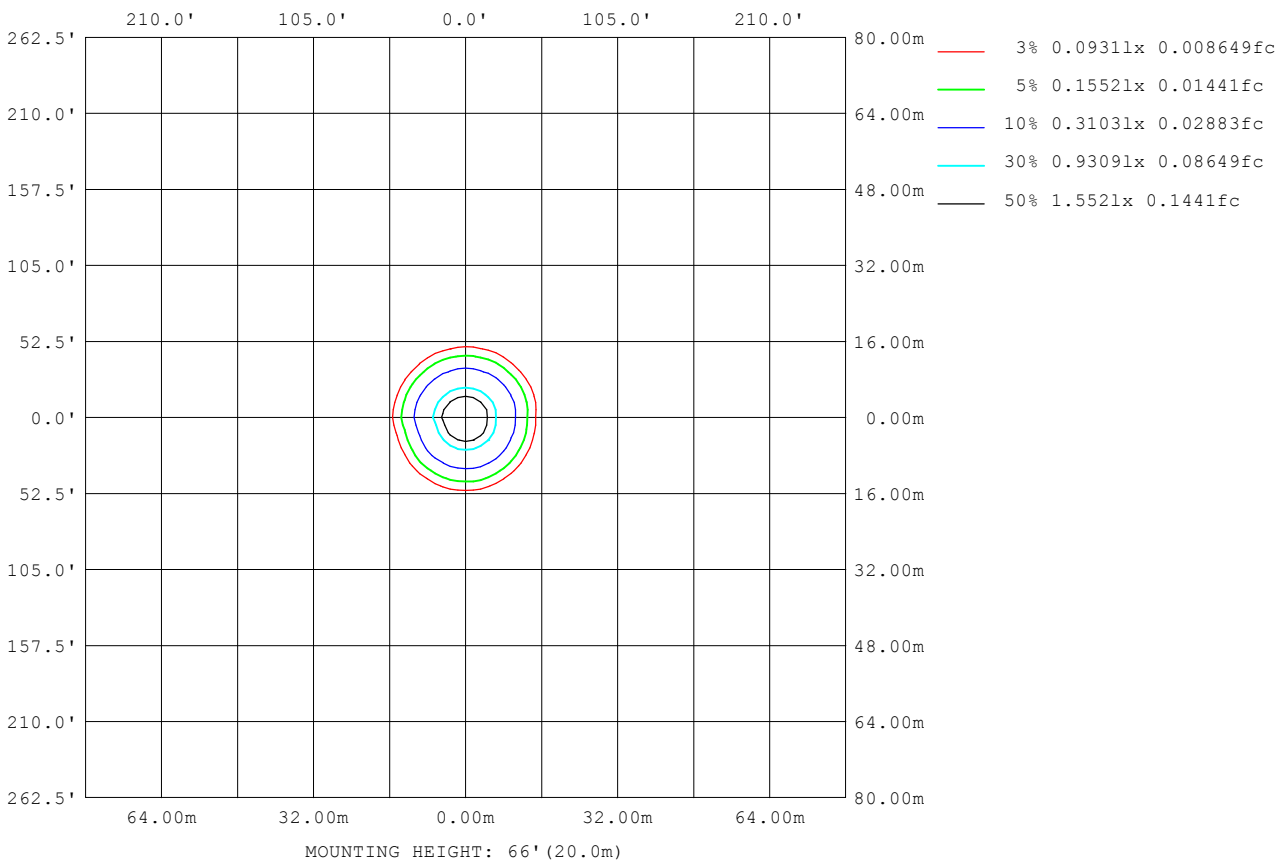
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-09

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:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm		
NAME: 486749-MR16-4W-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:2022-04-09

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:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm		
NAME: 486749-MR16-4W-3000K-25°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:35mm	Shielding Angle:

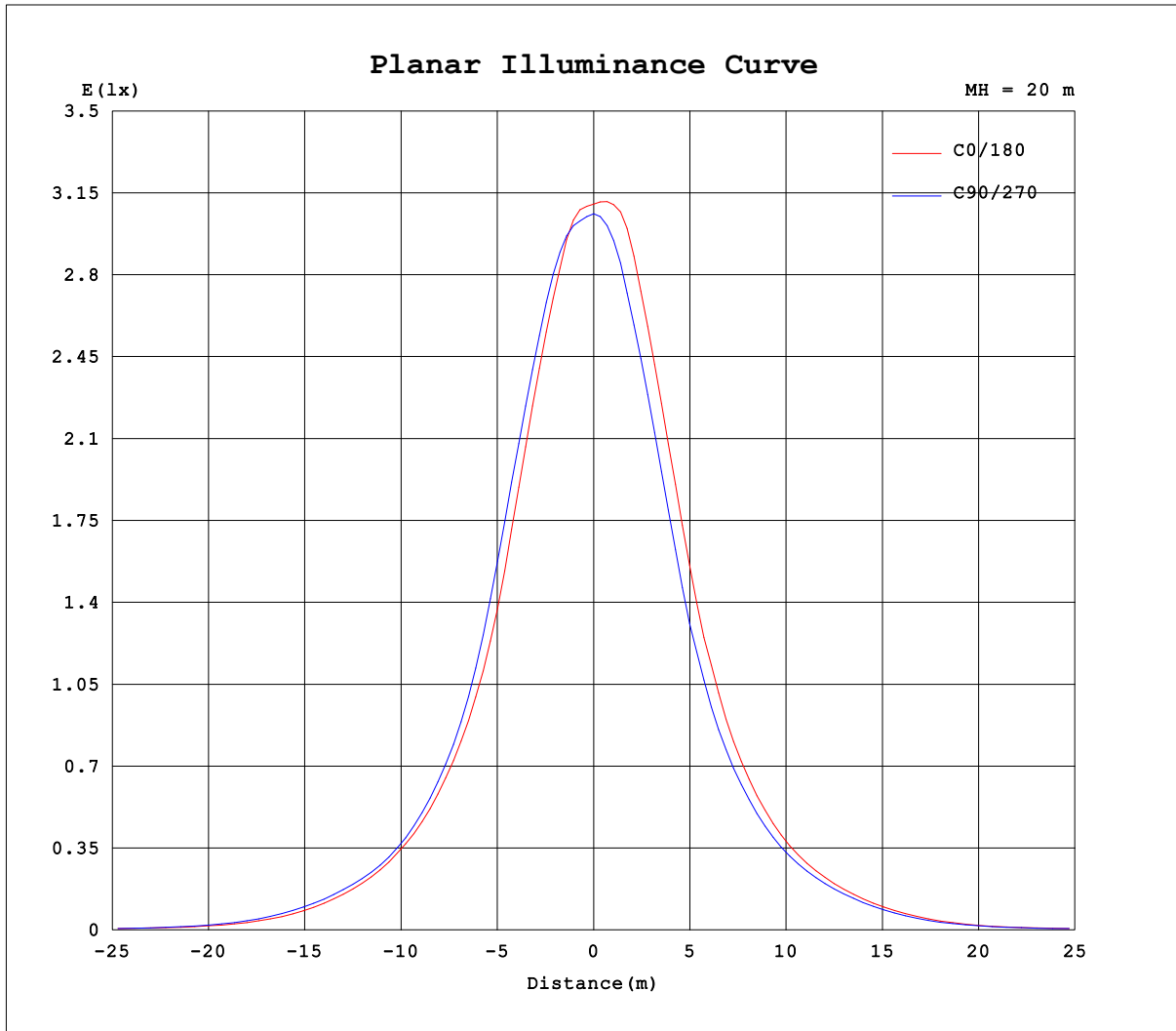
AvgL	cd/m2
L_0~180 (65) av	17670
L_0~180 (75) av	11319
L_0~180 (85) av	5429
L_90~270 (65) av	18010
L_90~270 (75) av	12306
L_90~270 (85) av	5190
L_45 (65) av	17855
L_45 (75) av	12005
L_45 (85) av	5372

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-04-09

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: 2022-04-09

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:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm		
NAME: 486749-MR16-4W-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	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226
5	1131	1151	1172	1183	1183	1180	1174	1176	1170	1168	1155	1141	1199	1184	1165	1141	1125	1108	1103
10	855	874	902	931	945	947	940	940	919	908	883	862	932	910	883	855	842	825	822
15	542	559	589	611	622	631	629	625	610	599	573	555	613	594	570	546	543	521	529
20	345	358	371	388	385	390	383	390	378	374	357	349	384	371	362	348	342	328	334
25	219	226	231	242	242	245	240	245	238	240	226	219	242	233	229	218	218	212	214
30	139	144	145	152	153	157	153	155	152	153	144	141	155	150	146	139	140	137	139
35	82.8	85.9	88.2	93.0	94.8	99.4	97.2	99.0	95.5	95.7	89.4	87.0	96.5	93.0	90.2	85.5	86.6	84.4	86.4
40	42.6	44.7	45.7	50.0	49.9	53.1	52.7	55.1	51.5	51.5	48.0	46.2	52.7	48.9	48.1	45.0	45.4	44.1	45.8
45	21.2	21.3	22.7	22.7	23.7	24.5	25.1	24.7	23.9	23.5	23.0	20.6	23.8	22.9	21.3	21.2	20.9	21.9	21.3
50	12.3	13.0	12.9	12.7	13.5	13.9	13.6	12.4	12.4	12.7	12.0	11.1	12.2	12.3	11.4	10.9	11.3	11.9	11.7
55	10.5	11.1	10.9	10.5	11.1	11.3	10.8	9.66	9.68	9.84	9.68	9.16	9.23	9.32	8.90	8.58	9.07	9.55	9.39
60	9.43	9.94	9.70	9.43	10.0	10.2	9.67	8.57	8.52	8.72	8.52	8.09	8.12	8.13	7.70	7.57	7.90	8.24	8.23
65	8.00	8.51	8.43	8.36	8.82	8.86	8.43	7.52	7.22	7.26	7.24	7.02	6.93	6.83	6.49	6.49	6.61	6.69	6.80
70	5.71	6.37	6.47	6.50	6.93	7.11	6.75	5.95	5.61	5.52	5.48	5.15	5.52	5.36	4.94	4.54	4.27	4.17	4.12
75	2.96	3.24	3.71	3.96	4.17	4.22	3.99	3.32	2.99	2.92	2.79	2.72	2.89	2.75	2.62	2.65	2.46	2.32	2.38
80	1.43	1.61	1.88	2.10	2.29	2.37	2.25	1.70	1.42	1.36	1.32	1.23	1.44	1.35	1.26	1.22	1.09	1.03	1.04
85	0.45	0.51	0.58	0.64	0.68	0.69	0.63	0.58	0.49	0.45	0.44	0.39	0.50	0.46	0.41	0.39	0.31	0.28	0.28
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:2022-04-09

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:11.925V I:0.5188A P:4.5282W PF:0.7320 Freq:60.00Hz Lamp Flux:465.565x1 lm		
NAME: 486749-MR16-4W-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	1226	1226	1226	1226	1226														
5	1098	1106	1110	1125	1142														
10	823	835	843	867	891														
15	517	543	547	567	581														
20	332	346	352	367	373														
25	215	224	227	237	238														
30	138	145	146	152	151														
35	86.0	89.8	89.4	93.5	93.9														
40	46.2	49.5	48.6	51.2	50.1														
45	22.5	23.7	24.6	24.6	24.0														
50	11.9	12.8	13.8	13.6	12.9														
55	9.59	10.5	11.2	11.1	10.3														
60	8.36	9.26	9.75	9.71	9.11														
65	7.07	7.82	8.07	8.26	7.96														
70	4.47	5.30	5.52	5.97	6.13														
75	2.46	2.74	2.90	3.02	3.27														
80	1.09	1.29	1.31	1.45	1.63														
85	0.31	0.36	0.40	0.46	0.57														
90	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:2022-04-09

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: