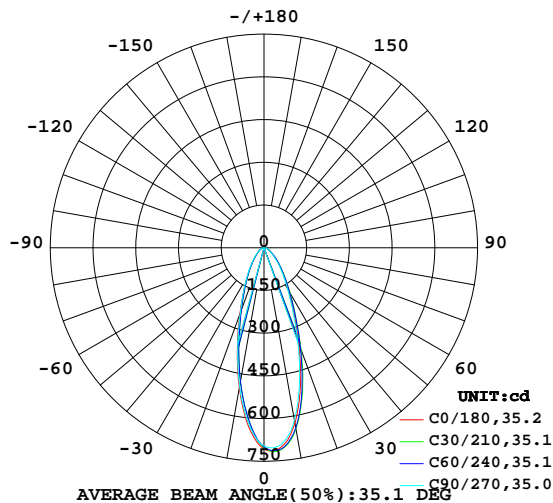


LUMINAIRE PHOTOMETRIC TEST REPORT

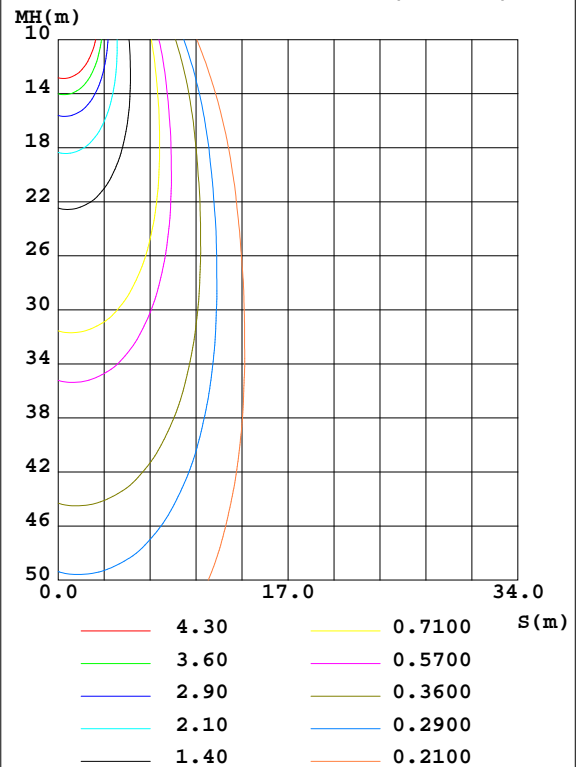
Test:U:24.16V I:0.1542A P:3.726W PF:1.000 Freq:0Hz Lamp Flux:436.154x1 lm		
NAME: MR16-5W DC:24V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.05 lm/W			
MODEL	5W	Imax(cd)	717.3	S/MH(C0/180)	0.50
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	436.15	η UP,DN(C0-180)	0.3,55.4
NOMINAL FLUX(lm)	436.154	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,44.0
LAMPS INSIDE	1	η up(%)	0.6	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	99.4	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:
Test Date:2018-01-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity:47.5%
Test Distance:10.410m [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	626.1	644.5	615.7	546.6	498.3	477.3	494.0	549.0	0- 10	59.53	59.53	13.6,13.6
20	356.7	376.9	346.4	290.7	248.5	233.3	244.1	285.3	10- 20	116.2	175.8	40.3,40.3
30	171.2	181.4	164.5	139.4	119.6	113.7	121.3	141.9	20- 30	95.14	270.9	62.1,62.1
40	88.99	92.73	85.04	71.15	60.09	57.86	62.18	73.84	30- 40	65.00	335.9	77,77
50	46.67	48.78	44.30	36.54	31.19	30.99	33.37	40.33	40- 50	41.89	377.8	86.6,86.6
60	25.51	25.83	23.93	20.43	19.09	18.70	19.62	22.20	50- 60	26.11	403.9	92.6,92.6
70	15.40	15.03	14.65	12.81	11.78	10.90	12.28	13.61	60- 70	17.17	421.1	96.5,96.5
80	6.495	6.829	6.393	4.933	3.739	3.463	4.547	5.449	70- 80	9.610	430.7	98.7,98.7
90	1.112	0.9071	0.5959	0.0847	0	0.0406	0.4078	0.3877	80- 90	2.712	433.4	99.4,99.4
100	0	0	0	0	0	0	0	0	90-100	0.0592	433.5	99.4,99.4
110	0	0	0	0	0	0	0	0	100-110	0	433.5	99.4,99.4
120	0	0.0261	0.0669	0.1072	0.1410	0.1113	0.0887	0.0555	110-120	0.0226	433.5	99.4,99.4
130	0.2516	0.2664	0.3259	0.3889	0.4443	0.4370	0.3404	0.2889	120-130	0.1716	433.6	99.4,99.4
140	0.6956	0.6885	0.7705	0.8552	0.9188	0.9214	0.7993	0.7147	130-140	0.4283	434.1	99.5,99.5
150	1.251	1.240	1.304	1.410	1.422	1.411	1.303	1.214	140-150	0.6595	434.7	99.7,99.7
160	1.717	1.703	1.755	1.781	1.814	1.773	1.673	1.625	150-160	0.7081	435.4	99.8,99.8
170	1.969	1.966	1.984	1.970	2.029	1.947	1.851	1.851	160-170	0.5223	436.0	100,100
180	2.095	2.032	1.999	1.988	2.110	2.029	1.992	1.999	170-180	0.1883	436.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 359.25 lm

%lum = 82.4%

%lamp = 82.4%

Conical surface Flux(120deg): 403.9 lm

%lum = 92.6%

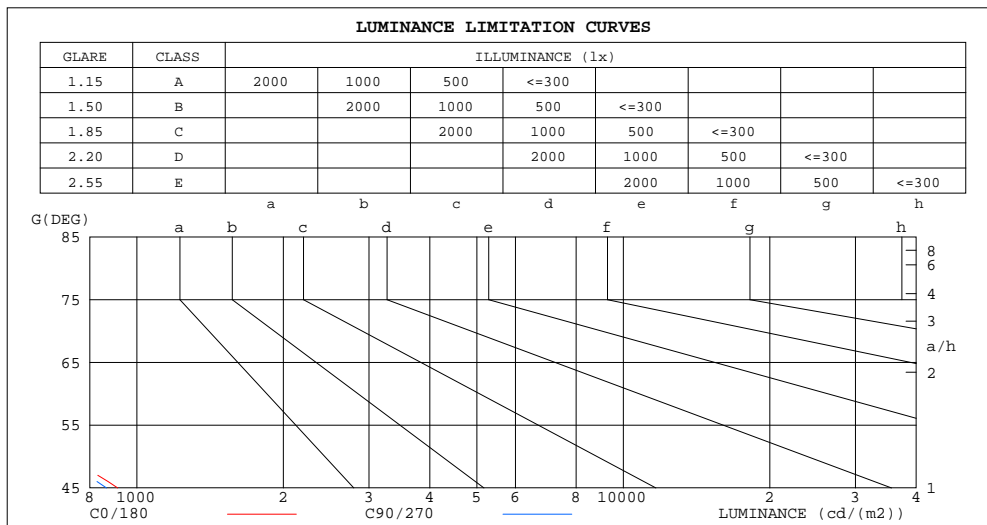
%lamp = 92.6%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:
 Test Date:2018-01-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
 Humidity:47.5%
 Test Distance:10.410m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.16V I:0.1542A P:3.726W PF:1.000 Freq:0Hz Lamp Flux:436.154x1 lm		
NAME: MR16-5W DC:24V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



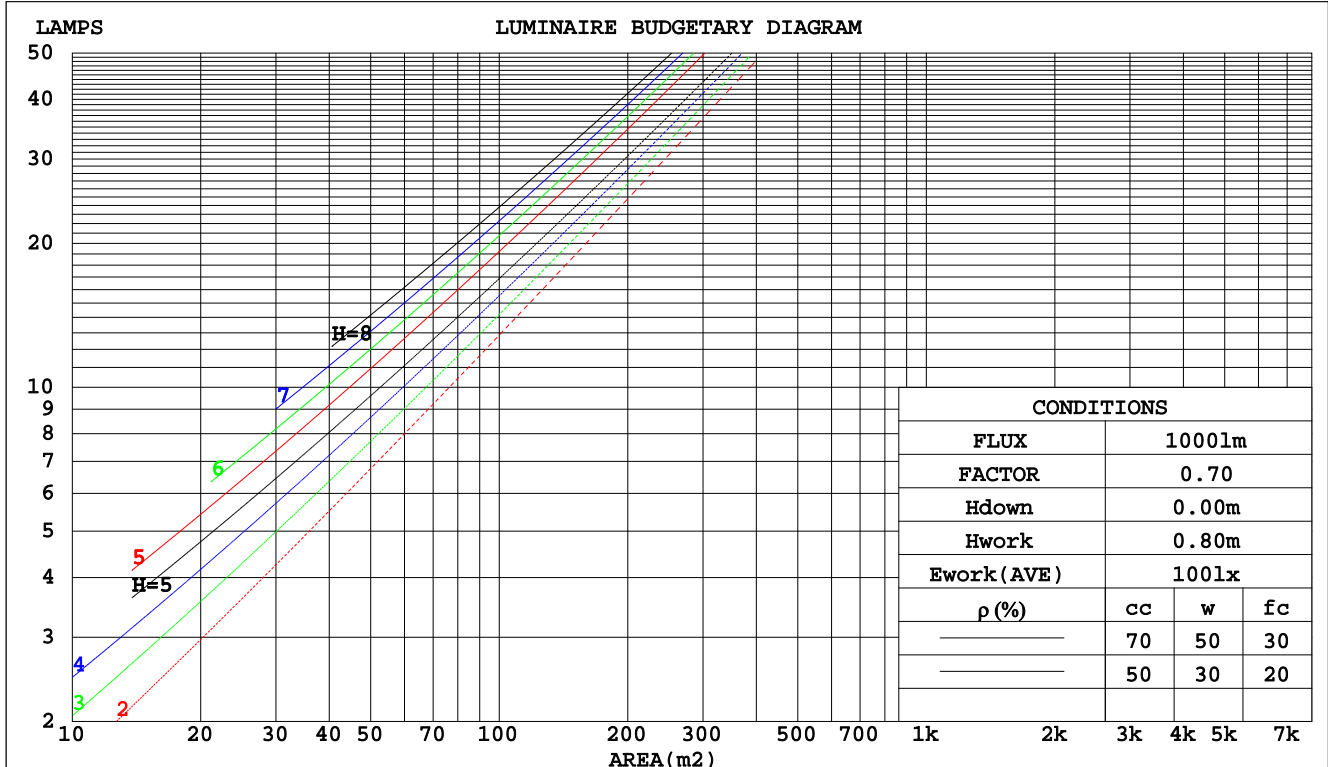
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:
Test Date:2018-01-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity:47.5%
Test Distance:10.410m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.16V I:0.1542A P:3.726W PF:1.000 Freq:0Hz Lamp Flux:436.154x1 lm		
NAME: MR16-5W DC:24V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	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						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	1.01	1.01	1.01	.99
1.0	1.09	1.06	1.03	1.07	1.04	1.02	1.02	1.00	.98	.99	.97	.95	.95	.94	.92	.90
2.0	.00	.95	.91	.98	.94	.90	.95	.91	.88	.92	.89	.86	.89	.86	.84	.82
3.0	.92	.86	.82	.91	.85	.81	.88	.83	.80	.85	.82	.78	.83	.80	.77	.75
4.0	.85	.79	.74	.84	.78	.74	.82	.77	.73	.80	.76	.72	.78	.74	.71	.69
5.0	.80	.73	.68	.79	.73	.68	.77	.71	.67	.75	.70	.67	.73	.69	.66	.64
6.0	.75	.68	.63	.74	.68	.63	.72	.67	.63	.71	.66	.62	.69	.65	.62	.60
7.0	.70	.64	.59	.69	.63	.59	.68	.62	.58	.67	.62	.58	.65	.61	.58	.56
8.0	.66	.60	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.54	.53
9.0	.62	.56	.52	.62	.56	.52	.61	.55	.52	.60	.55	.51	.59	.55	.51	.50
10.0	.59	.53	.49	.59	.53	.49	.58	.53	.49	.57	.52	.49	.56	.52	.49	.47



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:
Test Date:2018-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity:47.5%
Test Distance:10.410m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:24.16V I:0.1542A P:3.726W PF:1.000 Freq:0Hz Lamp Flux:436.154x1 lm									
NAME: MR16-5W DC:24V					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.:					SUR.:			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	.211	.120	.038	.204	.116	.037	.191	.109	.035	.179	.103	.033	.167	.097	.031		
2.0	.199	.109	.034	.194	.107	.033	.182	.101	.031	.172	.096	.030	.162	.092	.029		
3.0	.187	.100	.030	.182	.097	.029	.172	.093	.028	.163	.090	.027	.155	.086	.027		
4.0	.175	.091	.027	.171	.089	.026	.163	.086	.026	.155	.083	.025	.147	.080	.024		
5.0	.165	.084	.024	.161	.083	.024	.153	.080	.024	.147	.077	.023	.140	.075	.023		
6.0	.155	.078	.022	.152	.077	.022	.145	.074	.022	.139	.072	.021	.133	.070	.021		
7.0	.146	.072	.021	.143	.071	.020	.138	.070	.020	.132	.068	.020	.127	.066	.019		
8.0	.139	.068	.019	.136	.067	.019	.131	.065	.019	.126	.064	.018	.121	.062	.018		
9.0	.131	.064	.018	.129	.063	.018	.124	.062	.017	.120	.060	.017	.116	.059	.017		
10.0	.125	.060	.017	.123	.059	.017	.119	.058	.016	.115	.057	.016	.111	.056	.016		

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	.195	.195	.195	.167	.167	.167	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.178	.162	.147	.153	.139	.127	.104	.096	.088	.060	.055	.051	.019	.018	.016	
2.0	.165	.137	.114	.141	.118	.099	.097	.082	.069	.056	.048	.040	.018	.015	.013	
3.0	.153	.119	.091	.132	.102	.079	.090	.071	.055	.052	.042	.033	.017	.013	.011	
4.0	.144	.104	.074	.123	.090	.065	.085	.063	.045	.049	.037	.027	.016	.012	.009	
5.0	.135	.093	.062	.116	.080	.054	.080	.056	.038	.046	.033	.023	.015	.011	.007	
6.0	.127	.084	.053	.109	.073	.046	.076	.051	.032	.044	.030	.019	.014	.010	.006	
7.0	.121	.076	.045	.104	.066	.040	.072	.046	.028	.042	.027	.017	.013	.009	.006	
8.0	.115	.070	.040	.099	.061	.035	.068	.043	.025	.040	.025	.015	.013	.008	.005	
9.0	.109	.065	.035	.094	.056	.031	.065	.040	.022	.038	.023	.013	.012	.008	.004	
10.0	.104	.061	.032	.090	.053	.028	.062	.037	.020	.036	.022	.012	.012	.007	.004	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:
Test Date:2018-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity:47.5%
Test Distance:10.410m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.16V I:0.1542A P:3.726W PF:1.000 Freq:0Hz Lamp Flux:436.154x1 lm										
NAME: MR16-5W DC:24V					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					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	12.2	13.3	12.5	13.4	13.6	12.1	13.2	12.4	13.3	13.5
3H	13.0	14.0	13.3	14.2	14.5	12.9	13.9	13.2	14.1	14.3
4H	13.5	14.4	13.8	14.6	14.9	13.3	14.2	13.6	14.4	14.7
6H	13.7	14.6	14.1	14.9	15.1	13.6	14.4	13.9	14.7	15.0
8H	13.9	14.7	14.2	15.0	15.2	13.7	14.5	14.0	14.8	15.1
12H	13.9	14.8	14.3	15.0	15.3	13.7	14.5	14.1	14.8	15.1
4H 2H	12.5	13.4	12.8	13.6	13.9	12.4	13.3	12.7	13.6	13.8
3H	13.6	14.4	13.9	14.6	14.9	13.4	14.2	13.7	14.5	14.8
4H	14.1	14.8	14.5	15.2	15.5	13.9	14.6	14.3	14.9	15.3
6H	14.5	15.2	14.9	15.5	15.9	14.3	15.0	14.7	15.3	15.7
8H	14.7	15.3	15.1	15.7	16.1	14.5	15.1	14.9	15.4	15.8
12H	14.8	15.4	15.3	15.8	16.2	14.6	15.1	15.0	15.5	15.9
8H 4H	14.3	14.9	14.7	15.3	15.6	14.1	14.7	14.5	15.1	15.4
6H	14.8	15.3	15.3	15.8	16.2	14.6	15.1	15.1	15.5	16.0
8H	15.1	15.5	15.6	16.0	16.4	14.9	15.3	15.3	15.7	16.2
12H	15.3	15.7	15.8	16.2	16.7	15.1	15.4	15.6	15.9	16.4
12H 4H	14.3	14.8	14.7	15.2	15.6	14.1	14.6	14.5	15.0	15.4
6H	14.9	15.3	15.3	15.8	16.2	14.7	15.1	15.1	15.5	16.0
8H	15.2	15.6	15.7	16.0	16.5	15.0	15.3	15.4	15.8	16.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6				
1.5H	+ 0.5 / - 0.4					+ 0.5 / - 0.5				
2.0H	+ 0.9 / - 0.6					+ 0.9 / - 0.7				

CIE Pub.117, 436.2 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -2.9$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:
 Test Date:2018-01-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
 Humidity:47.5%
 Test Distance:10.410m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.16V I:0.1542A P:3.726W PF:1.000 Freq:0Hz Lamp Flux:436.154x1 lm		
NAME: MR16-5W DC:24V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

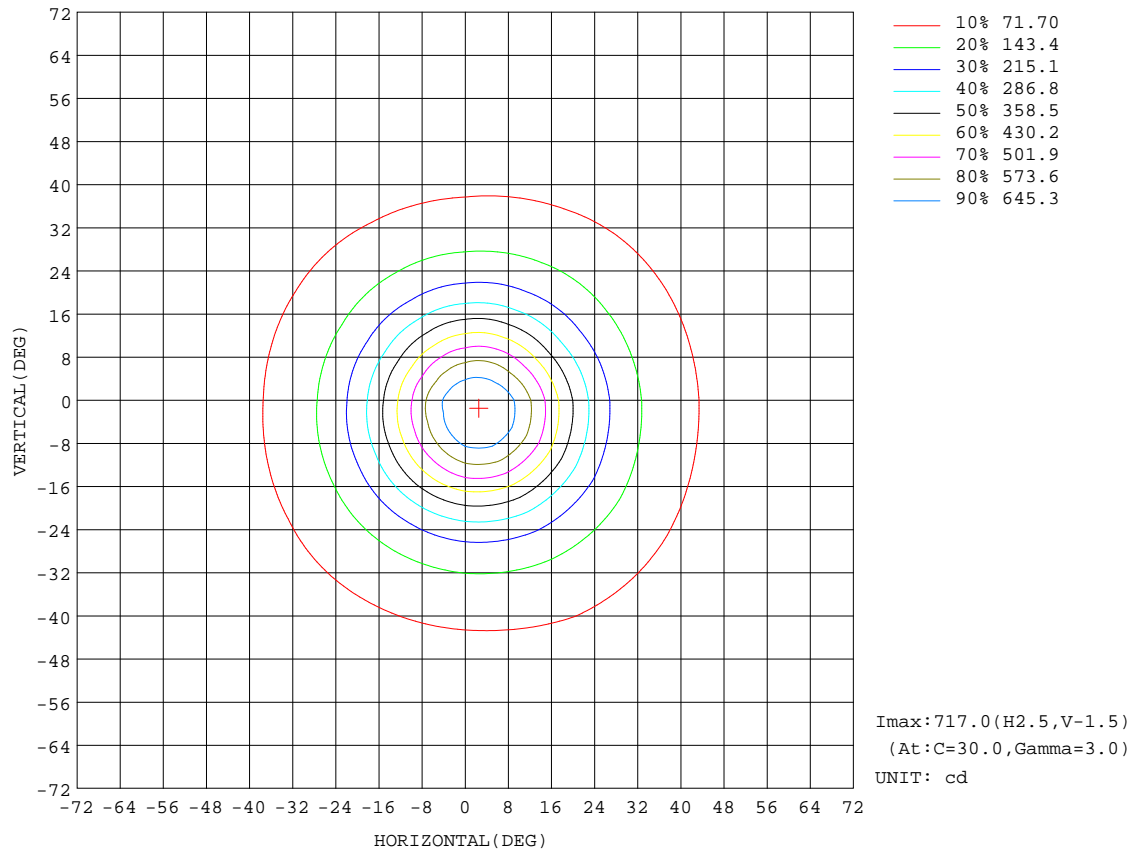
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	77	69	64	77	69	64	76	69	64	60
0.80	86	78	73	85	78	73	83	77	72	68
1.00	92	84	79	91	84	79	89	84	78	73
1.25	97	90	85	95	89	85	93	88	84	79
1.50	100	94	89	99	93	89	96	91	88	82
2.00	104	99	94	102	97	94	99	95	92	86
2.50	106	101	97	105	100	97	101	98	95	88
3.00	109	104	100	107	103	99	103	100	97	90
4.00	111	108	105	109	106	103	105	102	100	92
5.00	113	110	107	111	108	106	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:
 Test Date:2018-01-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
 Humidity:47.5%
 Test Distance:10.410m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:24.16V I:0.1542A P:3.726W PF:1.000 Freq:0Hz Lamp Flux:436.154x1 lm		
NAME: MR16-5W DC:24V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



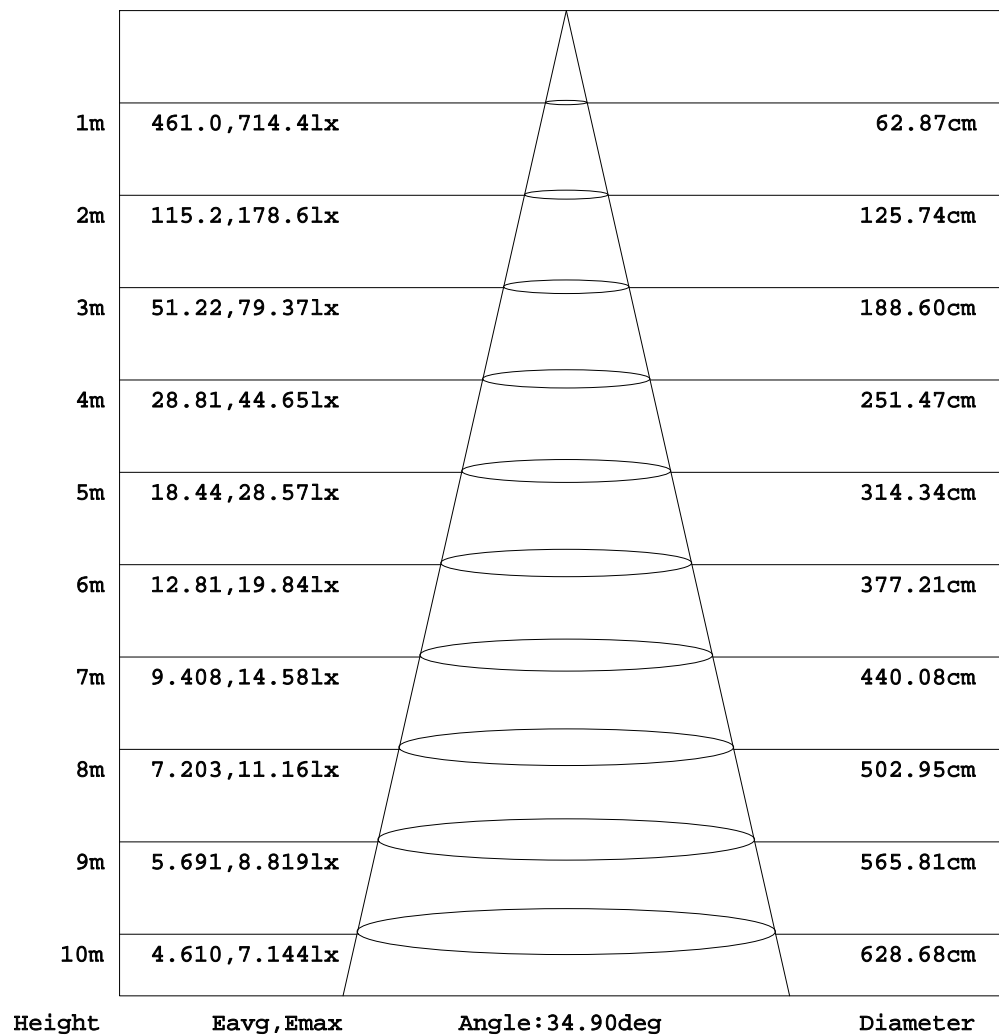
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:
Test Date:2018-01-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity:47.5%
Test Distance:10.410m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.16V I:0.1542A P:3.726W PF:1.000 Freq:0Hz Lamp Flux:436.154x1 lm		
NAME: MR16-5W DC:24V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:152.9 lm



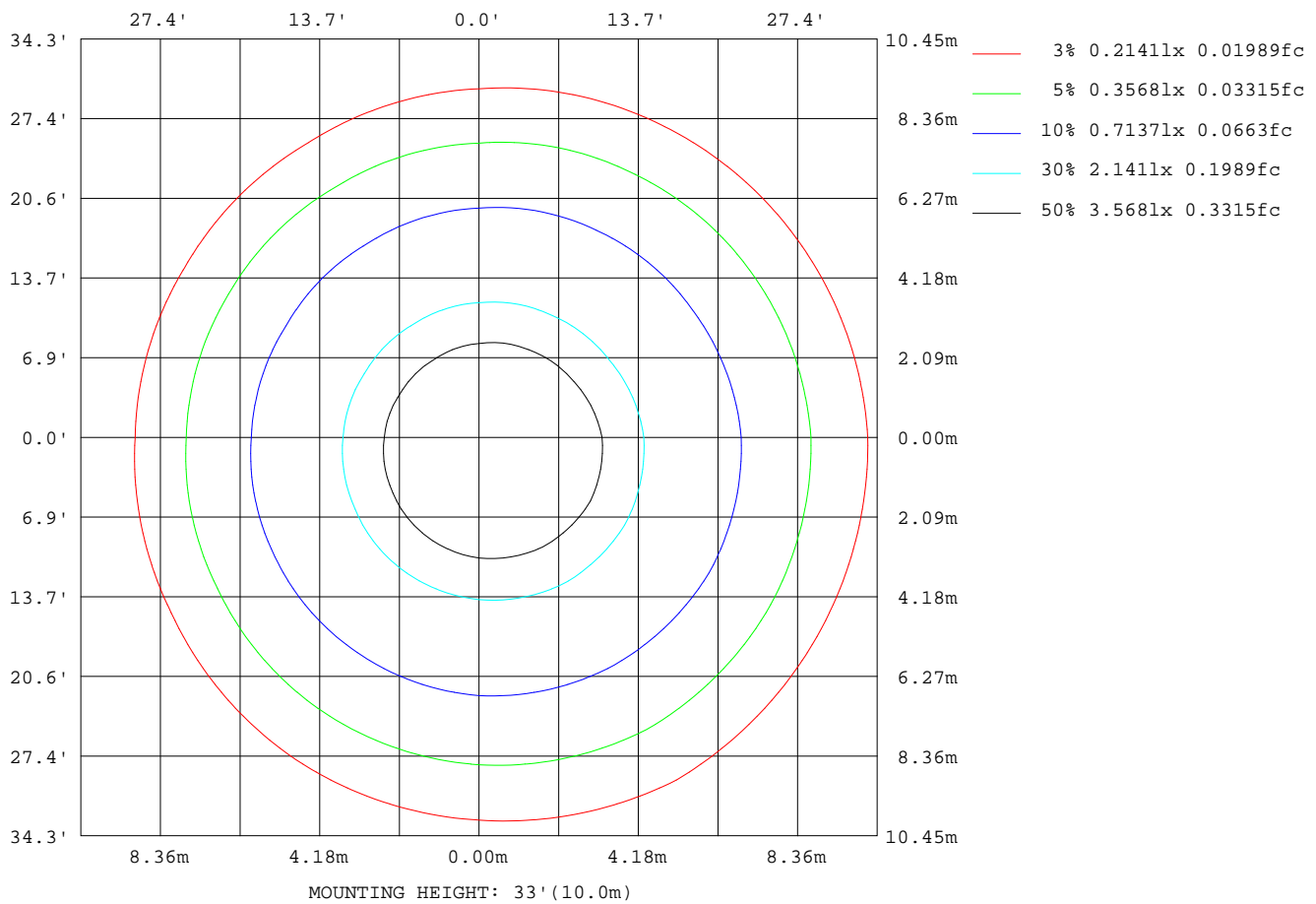
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators:
 Test Date: 2018-01-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.361
 Humidity: 47.5%
 Test Distance: 10.410m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:24.16V I:0.1542A P:3.726W PF:1.000 Freq:0Hz Lamp Flux:436.154x1 lm		
NAME: MR16-5W DC:24V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators:
Test Date: 2018-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity: 47.5%
Test Distance: 10.410m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.16V I:0.1542A P:3.726W PF:1.000 Freq:0Hz Lamp Flux:436.154x1 lm		
NAME: MR16-5W DC:24V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

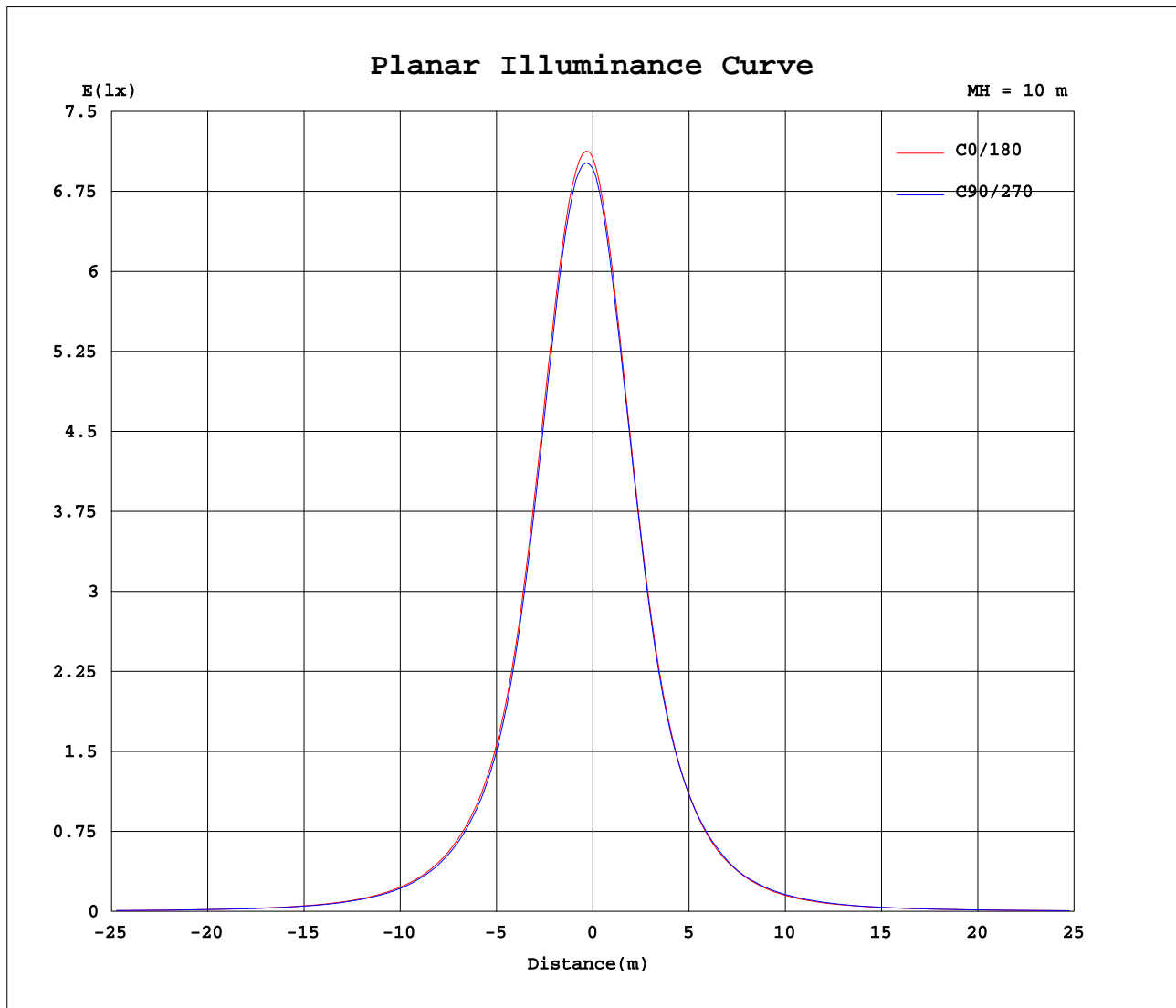
AvgL	cd/m2
L_0~180(65)av	417
L_0~180(75)av	343
L_0~180(85)av	282
L_90~270(65)av	407
L_90~270(75)av	364
L_90~270(85)av	276
L_45(65)av	404
L_45(75)av	348
L_45(85)av	265

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:
Test Date:2018-01-17

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity:47.5%
Test Distance:10.410m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators:
Test Date: 2018-01-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity: 47.5%
Test Distance: 10.410m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.16V I:0.1542A P:3.726W PF:1.000 Freq:0Hz Lamp Flux:436.154x1 lm																	
NAME: MR16-5W DC:24V									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	707	702	700	696	695	693	707	702	700	696	695	693						
5	702	711	709	694	667	639	629	610	609	620	643	668						
10	626	646	643	616	568	525	498	476	478	494	529	569						
15	496	523	516	484	437	393	362	342	342	358	390	434						
20	357	380	374	346	309	272	249	234	232	244	268	302						
25	245	261	258	237	209	186	171	161	162	171	187	210						
30	171	184	179	164	148	131	120	113	114	121	134	150						
35	124	130	127	118	105	93.2	84.7	81.1	80.6	86.5	95.9	108						
40	89.0	92.7	92.7	85.0	75.9	66.4	60.1	57.7	58.0	62.2	69.1	78.6						
45	64.6	66.9	68.3	61.2	54.9	47.3	42.9	41.9	42.1	45.2	51.1	57.8						
50	46.7	48.0	49.5	44.3	39.3	33.8	31.2	31.3	30.7	33.4	38.1	42.5						
55	33.8	34.7	35.6	31.7	28.1	24.8	23.9	23.8	23.6	24.8	27.6	31.1						
60	25.5	25.4	26.3	23.9	21.4	19.5	19.1	18.6	18.8	19.6	21.2	23.2						
65	19.8	19.7	19.4	18.7	17.0	15.8	15.4	14.4	15.1	15.8	17.3	18.2						
70	15.4	15.5	14.5	14.6	13.3	12.3	11.8	10.3	11.5	12.3	13.5	13.7						
75	10.8	11.4	10.3	10.6	9.38	8.41	6.91	6.37	7.29	8.23	9.68	9.32						
80	6.50	7.10	6.56	6.39	5.52	4.34	3.74	3.26	3.66	4.55	5.28	5.61						
85	3.59	3.82	3.35	3.08	2.49	1.87	1.33	0.68	1.36	1.73	2.25	2.78						
90	1.11	0.93	0.88	0.60	0.17	0.00	0.00	0.00	0.08	0.41	0.34	0.43						
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
115	0.00	0.00	0.00	0.01	0.00	0.07	0.04	0.01	0.05	0.00	0.00	0.00						
120	0.00	0.05	0.00	0.07	0.07	0.15	0.14	0.08	0.14	0.09	0.09	0.02						
125	0.10	0.16	0.10	0.19	0.17	0.27	0.27	0.21	0.28	0.18	0.18	0.08						
130	0.25	0.30	0.23	0.33	0.31	0.47	0.44	0.41	0.47	0.34	0.36	0.22						
135	0.44	0.48	0.41	0.52	0.53	0.69	0.66	0.65	0.68	0.57	0.55	0.42						
140	0.70	0.73	0.65	0.77	0.77	0.94	0.92	0.89	0.95	0.80	0.79	0.64						
145	1.00	0.99	0.93	1.04	1.05	1.21	1.16	1.14	1.19	1.05	1.04	0.90						
150	1.25	1.28	1.20	1.30	1.31	1.51	1.42	1.38	1.44	1.30	1.30	1.13						
155	1.50	1.53	1.49	1.57	1.54	1.69	1.64	1.58	1.65	1.50	1.52	1.37						
160	1.72	1.75	1.66	1.75	1.72	1.84	1.81	1.74	1.81	1.67	1.70	1.55						
165	1.86	1.92	1.84	1.90	1.86	1.94	1.95	1.87	1.92	1.79	1.82	1.70						
170	1.97	2.02	1.91	1.98	1.95	1.98	2.03	1.92	1.97	1.85	1.90	1.80						
175	2.01	2.07	1.97	2.00	1.95	1.99	2.07	1.98	2.01	1.90	1.94	1.86						
180	2.10	2.08	1.98	2.00	1.99	1.98	2.11	2.02	2.04	1.99	2.00	2.00						

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