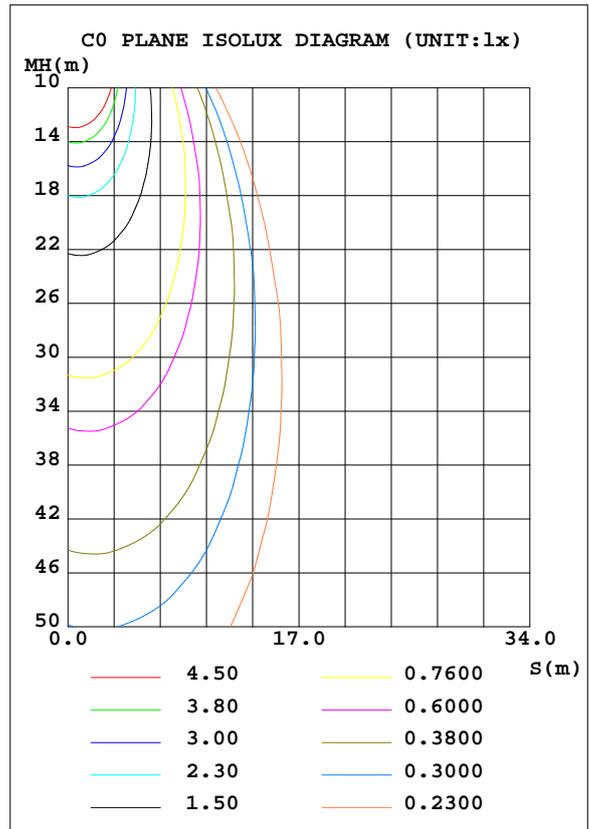
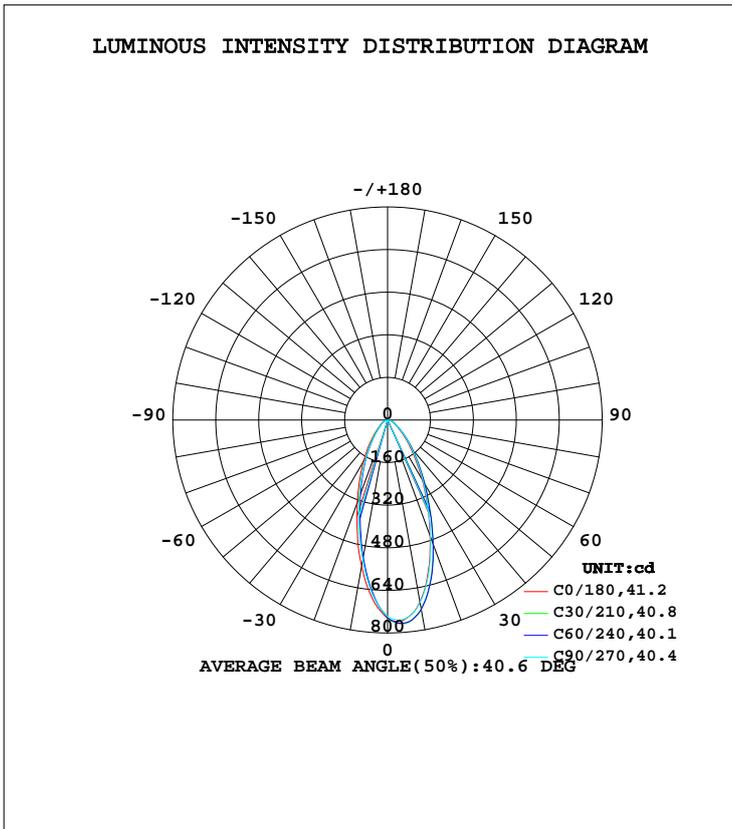


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:12.02V I:0.4478A P:5.382W PF:1.000 Freq:0Hz Lamp Flux:572.397x1 lm		
NAME: MR16 6W 10-30V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 106.35 lm/W			
MODEL	6W	Imax(cd)	767.3	S/MH(C0/180)	0.57
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.54
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	572.40	η UP, DN(C0-180)	0.3,57.8
NOMINAL FLUX(lm)	572.397	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.3,41.5
LAMPS INSIDE	1	η up(%)	0.7	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	12	η down(%)	99.3	CIBSE SHR MAX	0.70



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:  
 Test Date:2019-10-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity:47.5%  
 Test Distance:10.680m [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	693.1	721.8	696.5	630.2	558.3	526.9	533.3	593.5	0- 10	64.50	64.50	11.3,11.3
20	464.1	498.0	469.3	402.5	330.1	301.1	305.4	362.2	10- 20	139.7	204.2	35.7,35.7
30	258.4	277.5	264.2	223.7	180.6	158.6	160.5	193.8	20- 30	134.5	338.7	59.2,59.2
40	129.5	145.0	138.7	115.1	88.65	76.79	75.50	94.83	30- 40	96.49	435.2	76,76
50	61.32	70.15	67.39	56.09	43.67	38.35	39.19	46.84	40- 50	59.05	494.2	86.3,86.3
60	33.12	36.36	35.70	30.77	25.82	24.45	24.48	27.25	50- 60	35.34	529.5	92.5,92.5
70	20.61	21.80	21.73	17.44	13.18	13.02	13.61	16.21	60- 70	23.02	552.6	96.5,96.5
80	9.758	10.70	9.750	6.365	3.892	3.874	4.617	6.755	70- 80	12.33	564.9	98.7,98.7
90	1.753	2.690	1.540	0.2219	0	0	0	0.2462	80- 90	3.762	568.7	99.3,99.3
100	0	0	0	0	0	0	0	0	90-100	0.1656	568.8	99.4,99.4
110	0	0	0	0.0000	0.0156	0.0193	0	0.0001	100-110	0.0005	568.8	99.4,99.4
120	0.0765	0.0804	0.1152	0.1535	0.2530	0.2492	0.1838	0.1496	110-120	0.0600	568.9	99.4,99.4
130	0.4131	0.3870	0.4370	0.5210	0.6367	0.6781	0.5976	0.5062	120-130	0.2907	569.2	99.4,99.4
140	0.9417	0.8779	0.9434	1.065	1.212	1.253	1.164	1.042	130-140	0.5992	569.8	99.5,99.5
150	1.563	1.514	1.571	1.690	1.793	1.835	1.754	1.628	140-150	0.8517	570.6	99.7,99.7
160	2.122	2.073	2.107	2.157	2.253	2.249	2.169	2.092	150-160	0.8832	571.5	99.8,99.8
170	2.437	2.437	2.453	2.422	2.506	2.467	2.391	2.349	160-170	0.6494	572.2	100,100
180	2.583	2.563	2.544	2.533	2.590	2.567	2.521	2.502	170-180	0.2369	572.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 468.66 lm

%lum = 81.9%  
%lamp = 81.9%

Conical surface Flux(120deg): 529.54 lm

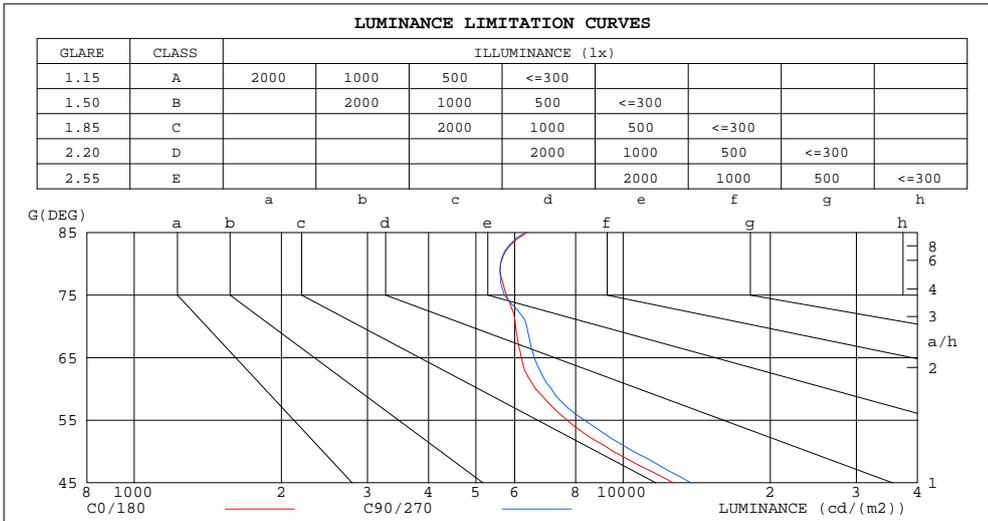
%lum = 92.5%  
%lamp = 92.5%

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:24.5DEG  
Operators:  
Test Date:2019-10-11

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
Humidity:47.5%  
Test Distance:10.680m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:12.02V I:0.4478A P:5.382W PF:1.000 Freq:0Hz Lamp Flux:572.397x1 lm		
NAME: MR16 6W 10-30V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6362	6309
80	5619	5615
75	5763	5716
70	6027	6354
65	6190	6582
60	6625	7140
55	7680	8330
50	9539	10484
45	12678	13770

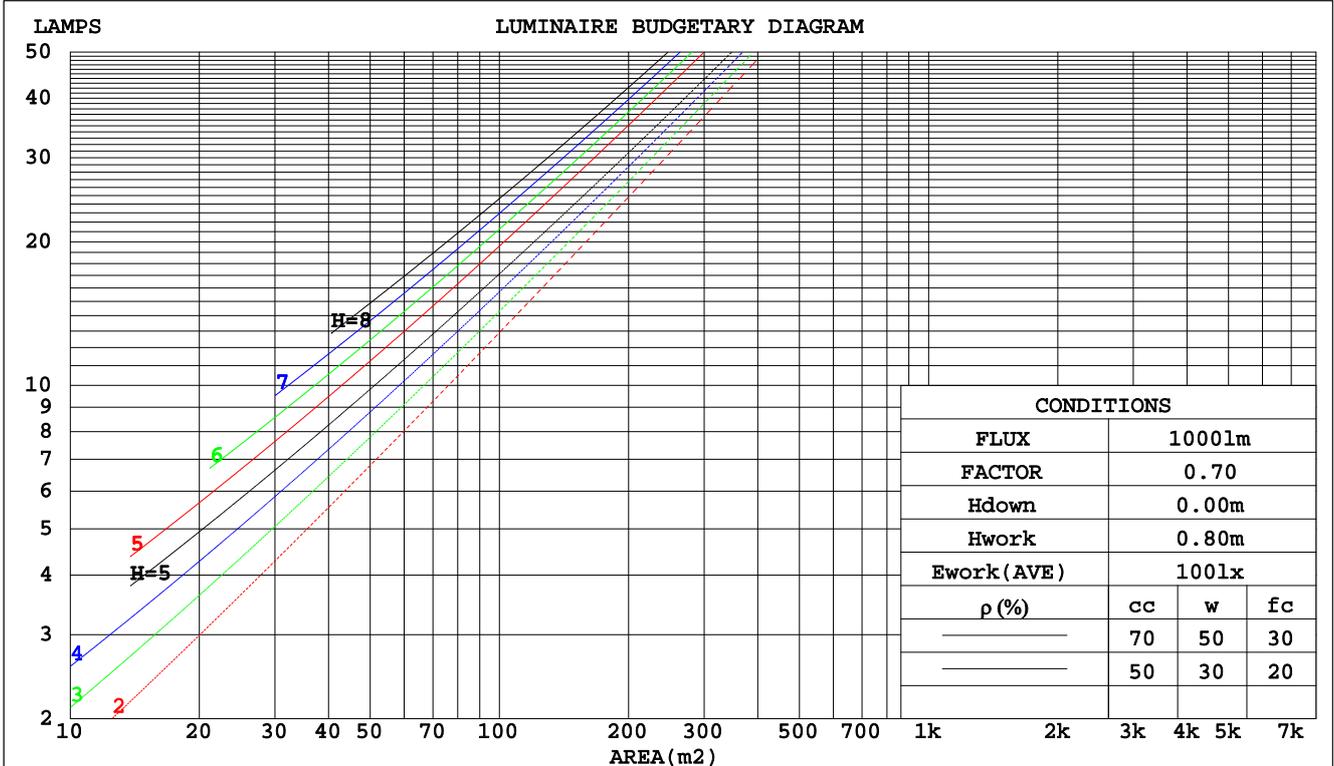
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators:  
 Test Date: 2019-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity: 47.5%  
 Test Distance: 10.680m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.02V I:0.4478A P:5.382W PF:1.000 Freq:0Hz Lamp Flux:572.397x1 lm		
NAME: MR16 6W 10-30V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																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	1.06	1.04	1.01	1.02	.90	.98	.98	.97	.95	.95	.93	.92	.90
2.0	.99	.95	.90	.98	.93	.89	.94	.90	.87	.91	.88	.85	.88	.86	.83	.82
3.0	.91	.85	.81	.90	.84	.80	.87	.82	.79	.84	.81	.77	.82	.79	.76	.74
4.0	.84	.78	.73	.83	.77	.73	.81	.76	.72	.79	.74	.71	.77	.73	.70	.68
5.0	.78	.72	.67	.77	.71	.66	.75	.70	.66	.74	.69	.65	.72	.68	.64	.63
6.0	.73	.66	.61	.72	.66	.61	.70	.65	.61	.69	.64	.60	.67	.63	.60	.58
7.0	.68	.62	.57	.68	.61	.57	.66	.60	.56	.65	.60	.56	.64	.59	.56	.54
8.0	.64	.58	.53	.64	.57	.53	.62	.57	.53	.61	.56	.52	.60	.55	.52	.51
9.0	.60	.54	.50	.60	.54	.50	.59	.53	.49	.58	.53	.49	.57	.52	.49	.47
10.0	.57	.51	.47	.57	.51	.47	.56	.50	.46	.55	.50	.46	.54	.49	.46	.45



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators:  
 Test Date: 2019-10-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity: 47.5%  
 Test Distance: 10.680m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:12.02V I:0.4478A P:5.382W PF:1.000 Freq:0Hz Lamp Flux:572.397x1 lm		
NAME: MR16 6W 10-30V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.216	.123	.039	.209	.119	.038	.195	.112	.036	.183	.106	.034	.172	.100	.032	
2.0	.205	.112	.034	.199	.109	.034	.187	.104	.032	.177	.099	.031	.167	.095	.030	
3.0	.192	.102	.031	.187	.100	.030	.177	.096	.029	.168	.092	.028	.160	.089	.027	
4.0	.180	.094	.028	.176	.092	.027	.167	.089	.027	.160	.086	.026	.152	.083	.025	
5.0	.170	.086	.025	.166	.085	.025	.158	.082	.024	.151	.080	.024	.145	.077	.023	
6.0	.160	.080	.023	.156	.079	.023	.150	.077	.022	.144	.075	.022	.138	.073	.022	
7.0	.151	.075	.021	.148	.074	.021	.142	.072	.021	.137	.070	.020	.131	.068	.020	
8.0	.143	.070	.020	.140	.069	.020	.135	.067	.019	.130	.066	.019	.125	.064	.019	
9.0	.136	.066	.018	.133	.065	.018	.129	.064	.018	.124	.062	.018	.120	.061	.018	
10.0	.129	.062	.017	.127	.061	.017	.123	.060	.017	.119	.059	.017	.115	.058	.017	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.179	.162	.147	.153	.139	.126	.105	.096	.087	.060	.055	.051	.019	.018	.016	
2.0	.166	.137	.114	.142	.118	.098	.097	.082	.069	.056	.048	.040	.018	.015	.013	
3.0	.155	.119	.090	.133	.103	.078	.091	.071	.055	.053	.042	.032	.017	.014	.011	
4.0	.145	.105	.074	.124	.090	.064	.086	.063	.045	.049	.037	.027	.016	.012	.009	
5.0	.137	.093	.061	.117	.081	.053	.081	.056	.038	.047	.033	.022	.015	.011	.007	
6.0	.129	.084	.052	.111	.073	.045	.077	.051	.032	.044	.030	.019	.014	.010	.006	
7.0	.123	.077	.045	.105	.067	.039	.073	.047	.028	.042	.028	.016	.014	.009	.005	
8.0	.117	.071	.039	.100	.061	.034	.069	.043	.024	.040	.025	.014	.013	.008	.005	
9.0	.111	.066	.035	.096	.057	.030	.066	.040	.022	.039	.024	.013	.013	.008	.004	
10.0	.106	.061	.031	.091	.053	.027	.063	.037	.019	.037	.022	.012	.012	.007	.004	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:  
 Test Date:2019-10-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity:47.5%  
 Test Distance:10.680m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:12.02V I:0.4478A P:5.382W PF:1.000 Freq:0Hz Lamp Flux:572.397x1 lm										
NAME: MR16 6W 10-30V					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	20.8	21.9	21.1	22.1	22.3	21.0	22.1	21.3	22.3	22.5
3H	21.5	22.6	21.8	22.8	23.0	21.8	22.8	22.1	23.0	23.2
4H	21.9	22.9	22.2	23.1	23.4	22.1	23.1	22.4	23.3	23.6
6H	22.2	23.1	22.6	23.4	23.7	22.4	23.3	22.8	23.6	23.9
8H	22.4	23.2	22.7	23.5	23.8	22.6	23.4	22.9	23.7	24.0
12H	22.5	23.3	22.8	23.6	23.9	22.7	23.5	23.0	23.8	24.1
4H 2H	21.1	22.0	21.4	22.3	22.5	21.3	22.2	21.6	22.4	22.7
3H	22.0	22.9	22.4	23.1	23.4	22.3	23.1	22.6	23.4	23.7
4H	22.5	23.3	22.9	23.6	23.9	22.8	23.5	23.1	23.8	24.2
6H	23.0	23.7	23.4	24.0	24.4	23.2	23.9	23.6	24.2	24.6
8H	23.2	23.8	23.6	24.2	24.6	23.4	24.0	23.8	24.4	24.8
12H	23.4	24.0	23.8	24.4	24.8	23.6	24.1	24.0	24.5	24.9
8H 4H	22.7	23.4	23.1	23.7	24.1	22.9	23.6	23.4	23.9	24.3
6H	23.4	23.9	23.8	24.3	24.7	23.5	24.1	24.0	24.5	24.9
8H	23.7	24.1	24.2	24.6	25.0	23.8	24.3	24.3	24.7	25.2
12H	24.0	24.4	24.5	24.8	25.3	24.1	24.5	24.6	25.0	25.5
12H 4H	22.7	23.3	23.2	23.7	24.1	22.9	23.5	23.4	23.9	24.3
6H	23.4	23.9	23.9	24.3	24.8	23.6	24.1	24.1	24.5	24.9
8H	23.8	24.2	24.3	24.7	25.1	24.0	24.3	24.4	24.8	25.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.5 / - 0.7				
1.5H	+ 0.7 / - 0.6					+ 0.7 / - 0.5				
2.0H	+ 1.0 / - 0.7					+ 1.1 / - 0.7				

CIE Pub.117, 572.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.9)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:  
 Test Date:2019-10-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity:47.5%  
 Test Distance:10.680m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:12.02V I:0.4478A P:5.382W PF:1.000 Freq:0Hz Lamp Flux:572.397x1 lm		
NAME: MR16 6W 10-30V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

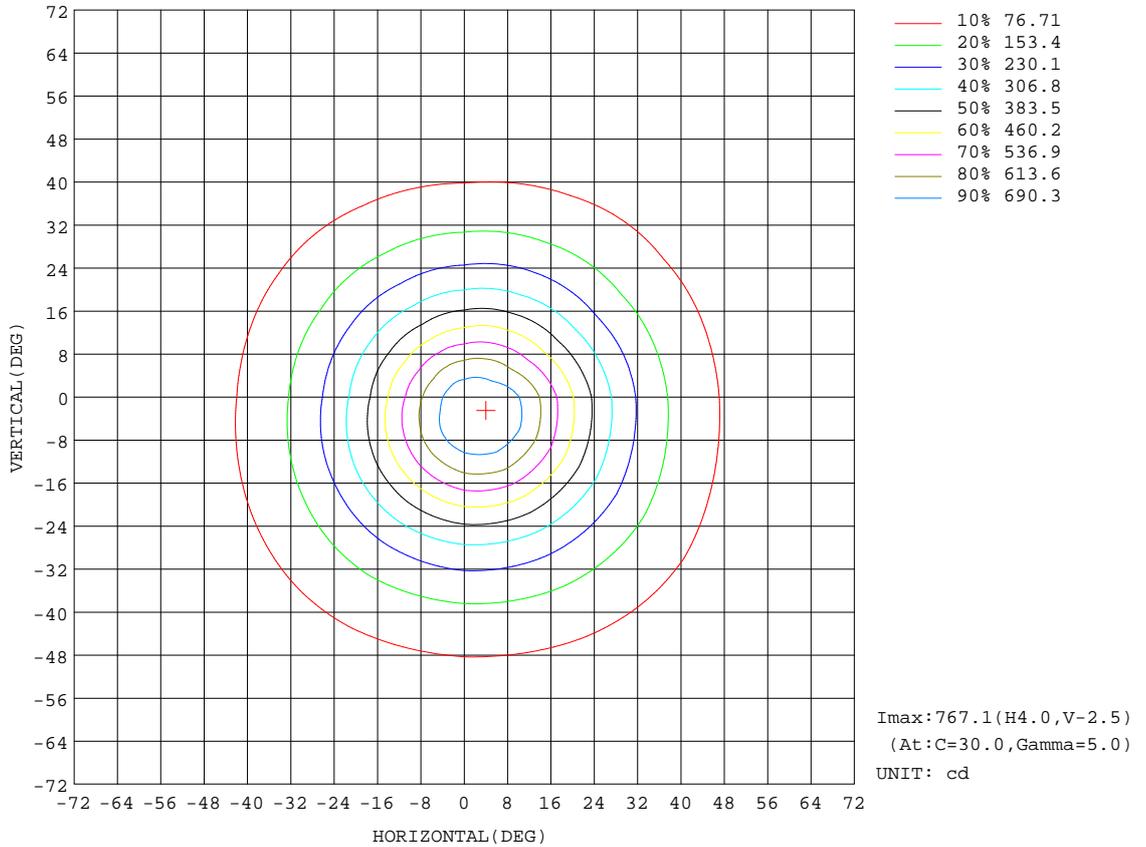
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	77	68	64	76	68	63	75	68	63	59
0.80	85	77	72	84	77	72	83	76	72	67
1.00	91	84	79	90	83	78	88	83	78	73
1.25	96	89	85	95	89	84	93	87	83	78
1.50	100	93	89	98	92	88	96	91	87	81
2.00	104	98	94	102	97	93	99	95	92	85
2.50	106	101	97	104	100	96	101	97	94	87
3.00	108	104	100	106	102	99	103	100	97	90
4.00	111	107	104	109	106	103	105	102	100	92
5.00	113	110	107	110	108	105	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:2019-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity:47.5%  
 Test Distance:10.680m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:12.02V I:0.4478A P:5.382W PF:1.000 Freq:0Hz Lamp Flux:572.397x1 lm		
NAME: MR16 6W 10-30V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

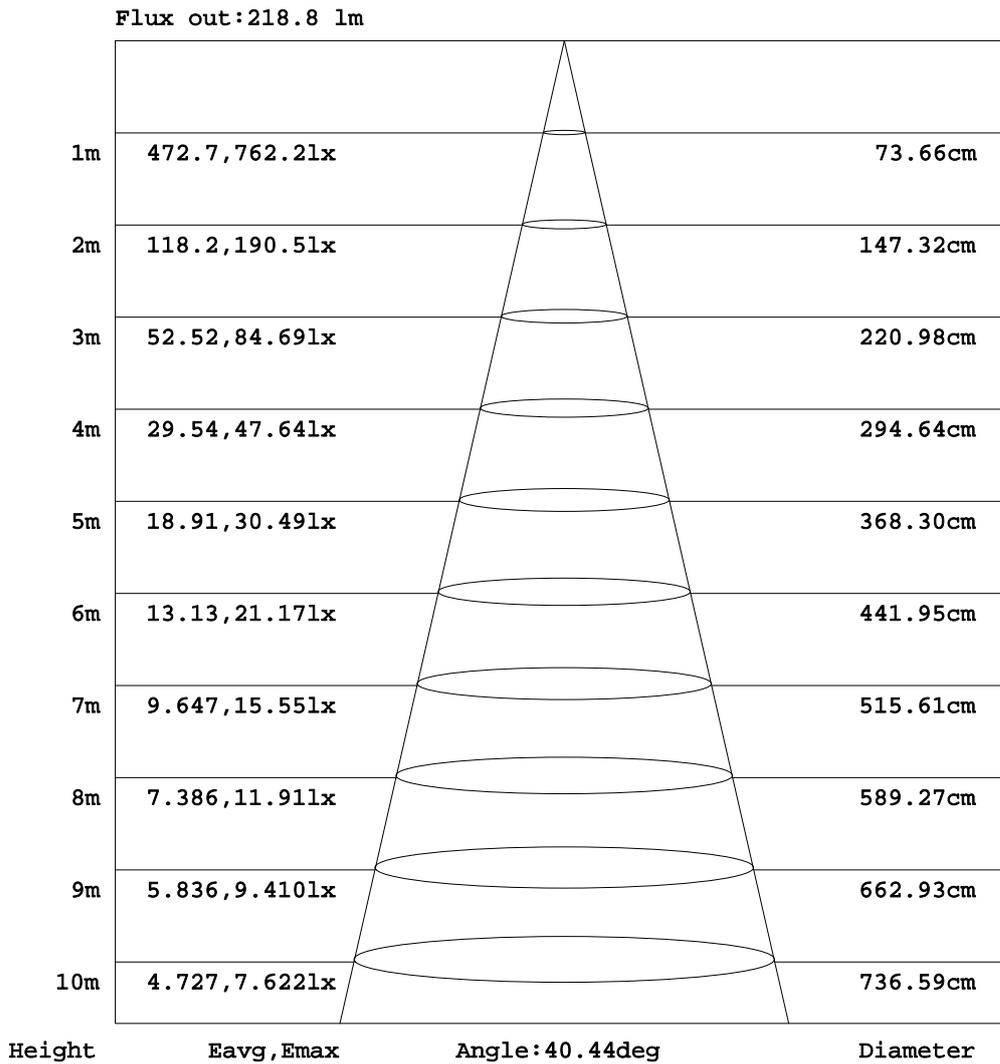


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:  
 Test Date:2019-10-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity:47.5%  
 Test Distance:10.680m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:12.02V I:0.4478A P:5.382W PF:1.000 Freq:0Hz Lamp Flux:572.397x1 lm		
NAME: MR16 6W 10-30V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



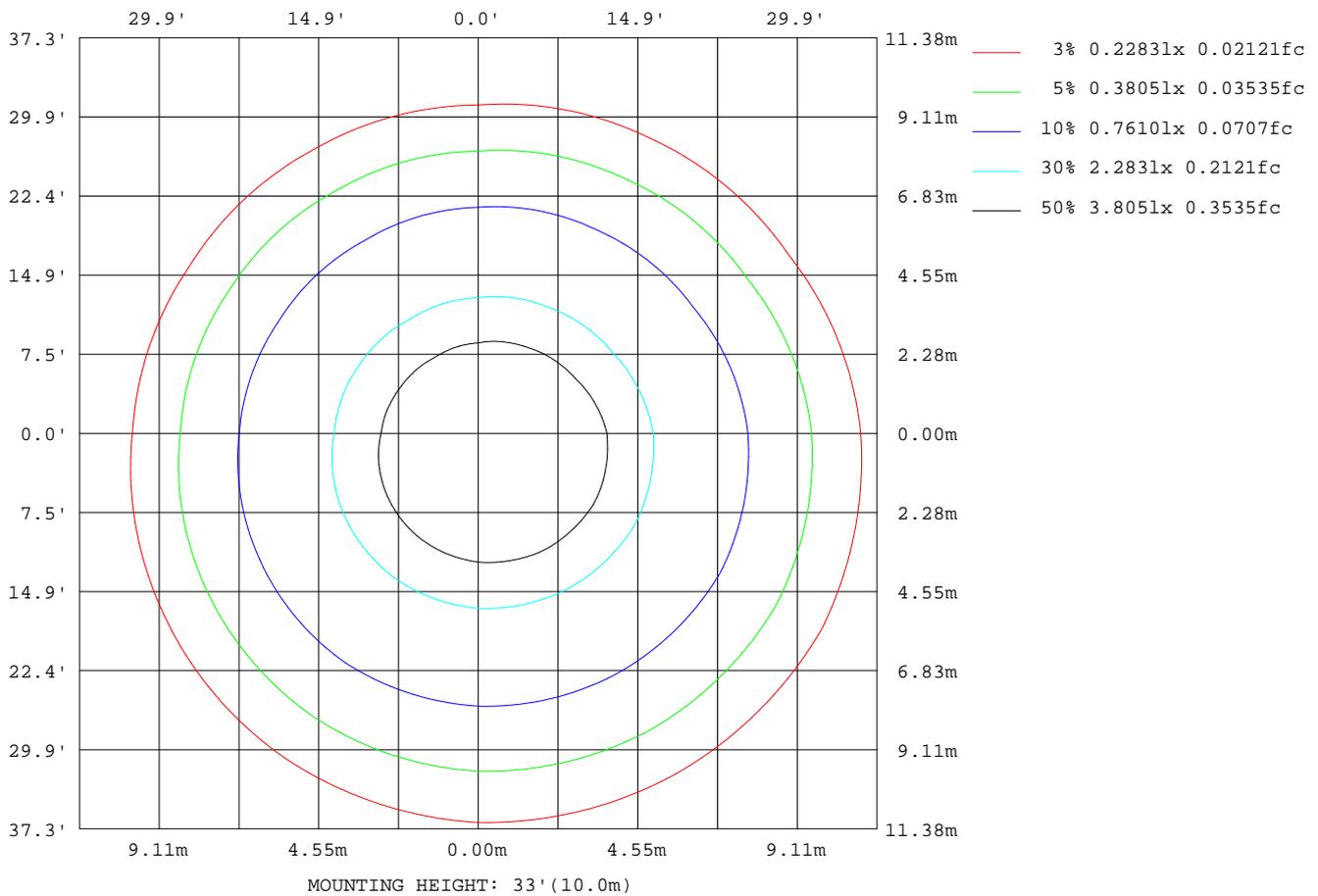
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators:  
 Test Date: 2019-10-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity: 47.5%  
 Test Distance: 10.680m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:12.02V I:0.4478A P:5.382W PF:1.000 Freq:0Hz Lamp Flux:572.397x1 lm		
NAME: MR16 6W 10-30V	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: 2019-10-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity: 47.5%  
 Test Distance: 10.680m [K=1.0000]  
 Remarks:

LED Avg.L Report

Test:U:12.02V I:0.4478A P:5.382W PF:1.000 Freq:0Hz Lamp Flux:572.397x1 lm		
NAME: MR16 6W 10-30V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

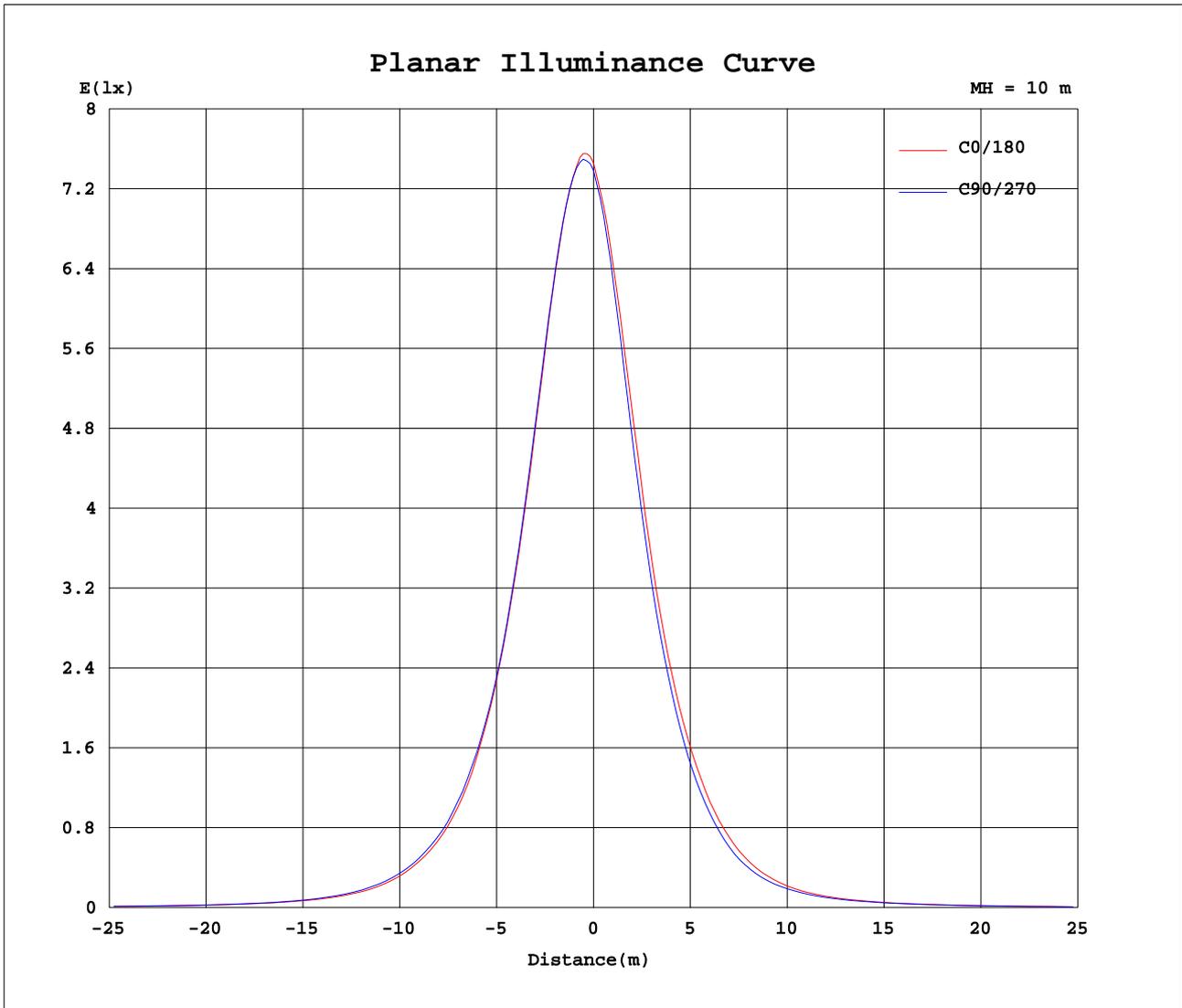
AvgL	cd/m2
L_0~180(65)av	5477
L_0~180(75)av	4471
L_0~180(85)av	3615
L_90~270(65)av	5608
L_90~270(75)av	4462
L_90~270(85)av	4036
L_45(65)av	5473
L_45(75)av	4402
L_45(85)av	3663

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:24.5DEG  
 Operators:  
 Test Date:2019-10-11

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity:47.5%  
 Test Distance:10.680m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



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 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators:  
 Test Date: 2019-10-11

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.361  
 Humidity: 47.5%  
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 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	746	743	742	738	735	732	746	743	742	738	735	732							
5	751	767	764	749	725	692	670	653	649	656	677	703							
10	693	722	722	696	656	604	558	530	524	533	570	617							
15	587	621	623	593	544	490	436	407	396	411	448	504							
20	464	499	496	469	427	378	330	307	295	305	338	387							
25	350	376	373	354	323	284	247	226	216	223	250	287							
30	258	279	276	264	240	207	181	161	156	160	180	208							
35	183	202	201	193	175	150	129	113	108	111	125	146							
40	129	145	145	139	125	106	88.6	79.0	74.6	75.5	86.4	103							
45	89.6	101	102	97.4	87.3	73.4	61.5	54.6	52.5	53.4	60.4	70.4							
50	61.3	70.0	70.3	67.4	60.2	52.0	43.7	38.5	38.3	39.2	44.2	49.5							
55	44.1	50.1	48.9	47.8	42.7	38.3	32.9	30.1	30.1	30.3	33.3	36.8							
60	33.1	36.0	36.7	35.7	32.5	29.1	25.8	24.3	24.6	24.5	25.9	28.6							
65	26.2	27.4	28.7	27.8	25.4	22.3	20.1	19.3	19.4	19.6	19.9	23.0							
70	20.6	21.0	22.6	21.7	19.3	15.6	13.2	13.0	13.1	13.6	14.5	17.9							
75	14.9	15.4	15.9	14.8	12.7	10.0	8.23	7.24	7.68	8.30	10.0	12.3							
80	9.76	10.7	10.7	9.75	7.76	4.97	3.89	3.73	4.02	4.62	5.95	7.56							
85	5.55	6.51	6.50	5.50	3.27	1.81	0.76	0.61	1.05	1.54	2.25	3.68							
90	1.75	2.82	2.56	1.54	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.49							
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	0.02	0.00	0.04	0.00	0.00	0.00							
115	0.00	0.02	0.00	0.02	0.00	0.09	0.12	0.08	0.15	0.05	0.10	0.00							
120	0.08	0.12	0.04	0.12	0.08	0.22	0.25	0.21	0.29	0.18	0.22	0.08							
125	0.22	0.25	0.18	0.25	0.23	0.39	0.43	0.40	0.49	0.37	0.39	0.23							
130	0.41	0.44	0.33	0.44	0.43	0.61	0.64	0.64	0.71	0.60	0.59	0.42							
135	0.66	0.66	0.55	0.67	0.67	0.88	0.91	0.91	1.00	0.87	0.85	0.67							
140	0.94	0.93	0.83	0.94	0.96	1.17	1.21	1.22	1.29	1.16	1.15	0.93							
145	1.26	1.24	1.14	1.26	1.27	1.50	1.51	1.53	1.62	1.47	1.44	1.22							
150	1.56	1.56	1.46	1.57	1.59	1.79	1.79	1.79	1.88	1.75	1.73	1.52							
155	1.88	1.88	1.76	1.86	1.85	2.04	2.05	2.02	2.12	1.98	1.97	1.77							
160	2.12	2.12	2.02	2.11	2.08	2.24	2.25	2.21	2.29	2.17	2.17	2.02							
165	2.30	2.34	2.24	2.31	2.26	2.36	2.40	2.34	2.41	2.31	2.32	2.17							
170	2.44	2.48	2.39	2.45	2.38	2.46	2.51	2.44	2.49	2.39	2.42	2.28							
175	2.53	2.58	2.50	2.54	2.46	2.51	2.59	2.51	2.56	2.44	2.50	2.38							
180	2.58	2.58	2.54	2.54	2.54	2.53	2.59	2.57	2.57	2.52	2.52	2.48							

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