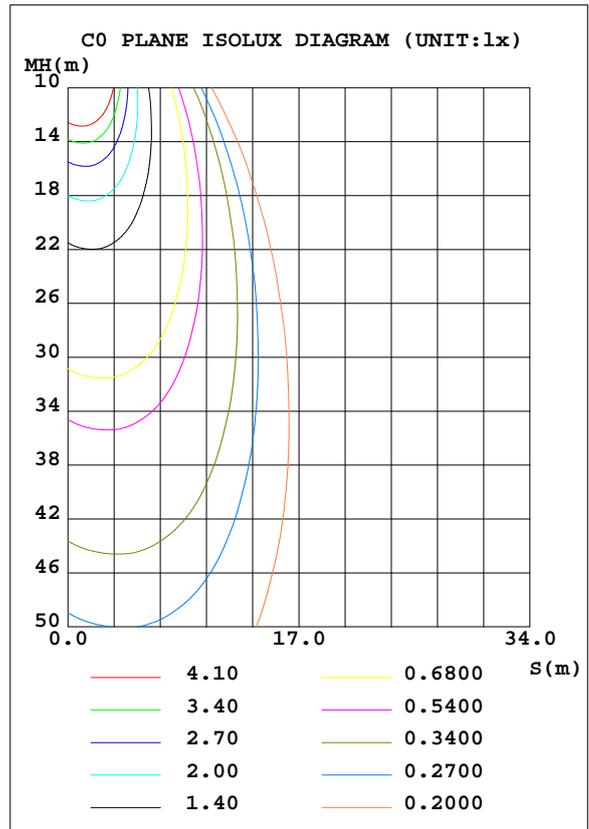
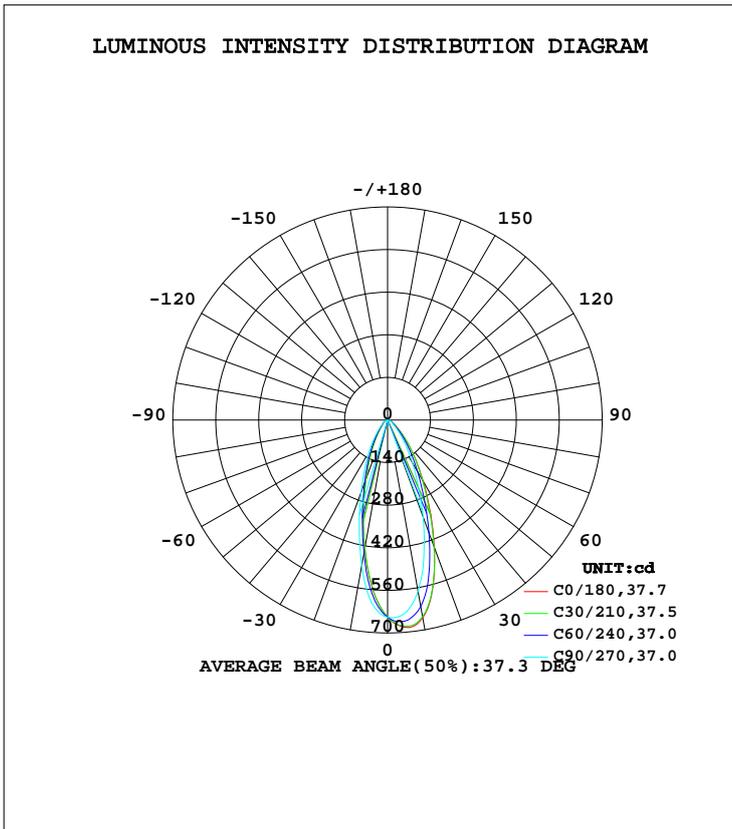


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.1323A P:3.175W PF:1.000 Freq:0Hz Lamp Flux:418.652x1 lm		
NAME: MR16 4W 5-27V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.87 lm/W			
MODEL	4W	I <sub>max</sub> (cd)	685.6	S/MH(C0/180)	0.47
NOMINAL POWER(W)	4	LOR(%)	100.0	S/MH(C90/270)	0.54
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	418.65	η UP, DN(C0-180)	0.3,56.7
NOMINAL FLUX(lm)	418.652	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.3,42.7
LAMPS INSIDE	1	η up(%)	0.6	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	99.4	CIBSE SHR MAX	0.65



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	659.9	639.5	572.1	495.7	427.7	435.2	485.5	574.0	0- 10	56.52	56.52	13.5,13.5
20	446.5	418.5	338.9	264.6	206.1	211.6	251.5	339.9	10- 20	116.3	172.8	41.3,41.3
30	232.6	211.8	162.5	116.2	89.13	95.95	120.4	169.5	20- 30	100.1	273.0	65.2,65.2
40	109.0	98.89	70.45	49.58	38.07	41.20	51.95	76.64	30- 40	63.76	336.7	80.4,80.4
50	46.36	40.82	30.16	24.20	20.73	21.43	24.63	33.74	40- 50	34.93	371.7	88.8,88.8
60	22.05	20.25	17.62	15.51	14.02	13.84	15.00	17.80	50- 60	19.99	391.6	93.5,93.5
70	13.92	13.74	12.61	9.508	7.203	7.294	10.22	12.05	60- 70	13.64	405.3	96.8,96.8
80	8.034	8.305	5.245	3.552	2.051	2.108	3.617	5.252	70- 80	8.200	413.5	98.8,98.8
90	2.174	1.936	0.9298	0.0001	0	0	0	0.4264	80- 90	2.581	416.1	99.4,99.4
100	0	0	0	0	0	0	0	0	90-100	0.1693	416.2	99.4,99.4
110	0	0	0	0	0	0	0	0	100-110	0	416.2	99.4,99.4
120	0	0	0.0078	0.0653	0.1380	0.0727	0	0	110-120	0.0085	416.2	99.4,99.4
130	0.0612	0.1266	0.2684	0.3871	0.4910	0.4139	0.2298	0.1458	120-130	0.1153	416.4	99.5,99.5
140	0.4521	0.5288	0.7058	0.8930	0.9894	0.9045	0.6971	0.5400	130-140	0.3659	416.7	99.5,99.5
150	0.9805	1.054	1.250	1.410	1.472	1.391	1.195	1.035	140-150	0.6025	417.3	99.7,99.7
160	1.479	1.540	1.671	1.751	1.801	1.724	1.563	1.475	150-160	0.6599	418.0	99.8,99.8
170	1.793	1.831	1.870	1.862	1.929	1.855	1.762	1.724	160-170	0.4899	418.5	100,100
180	1.962	1.947	1.916	1.897	1.947	1.931	1.908	1.904	170-180	0.1778	418.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 356.89 lm

%lum = 85.2%  
%lamp = 85.2%

Conical surface Flux(120deg): 391.64 lm

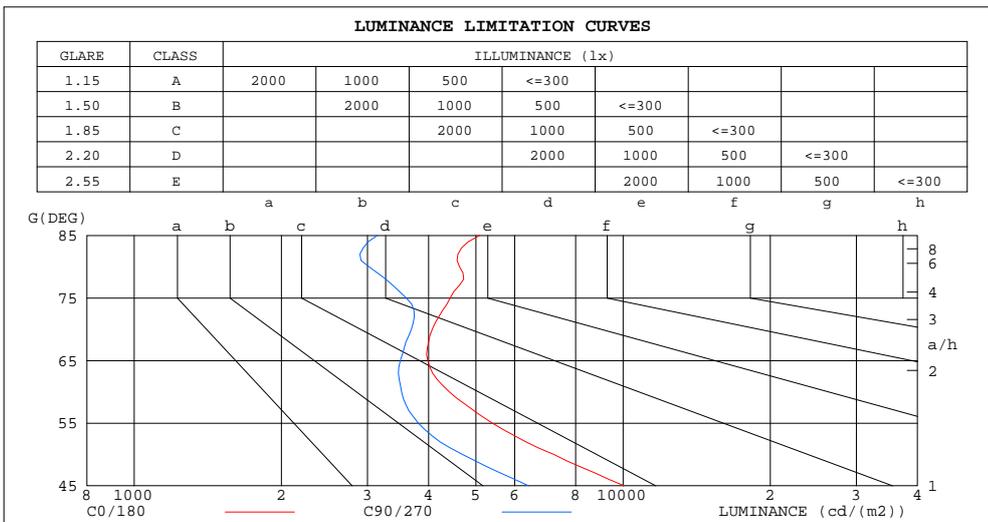
%lum = 93.5%  
%lamp = 93.5%

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:24.00V I:0.1323A P:3.175W PF:1.000 Freq:0Hz Lamp Flux:418.652x1 lm		
NAME: MR16 4W 5-27V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5089	3145
80	4626	3021
75	4430	3601
70	4070	3688
65	3982	3502
60	4411	3524
55	5400	3812
50	7212	4692
45	10056	6409

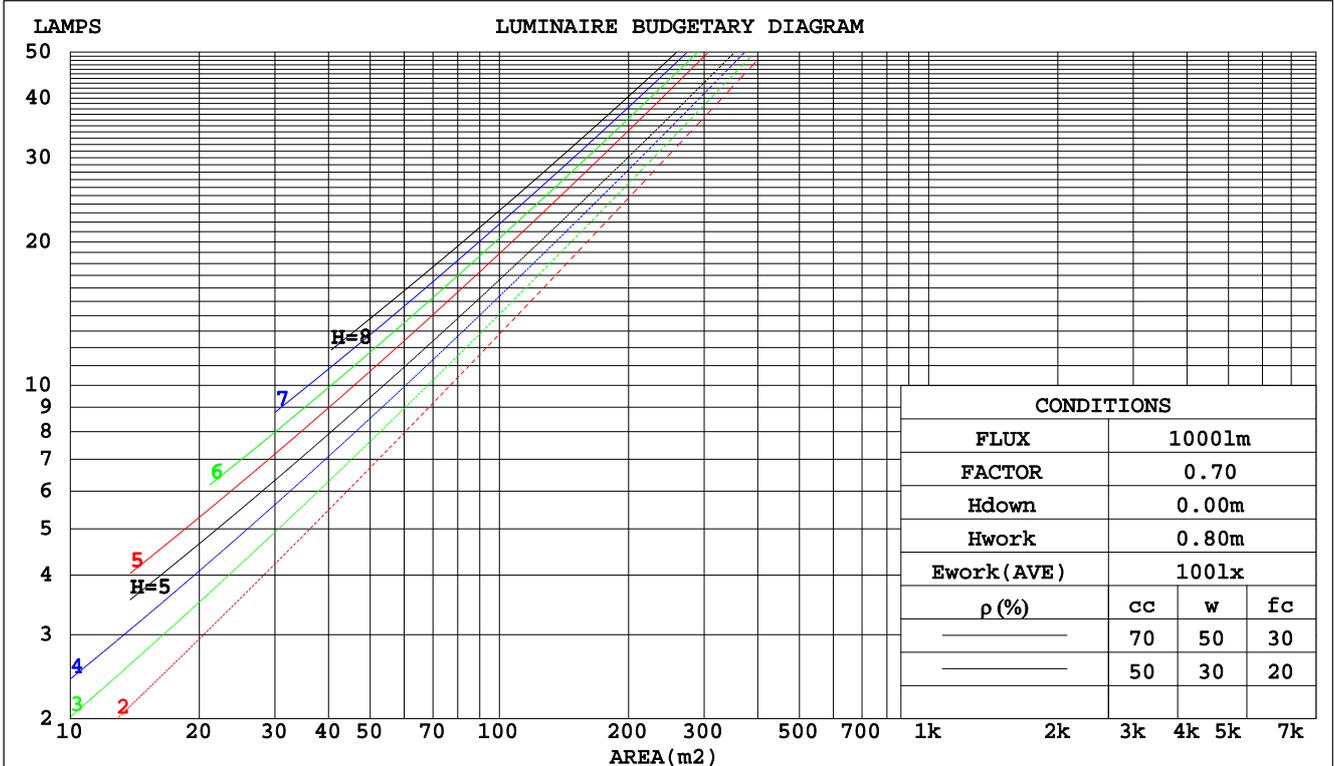
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators:  
 Test Date: 2019-10-11

$\gamma$  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:24.00V I:0.1323A P:3.175W PF:1.000 Freq:0Hz Lamp Flux:418.652x1 lm		
NAME: MR16 4W 5-27V	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																
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	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	1.01	.96	.92	.99	.95	.91	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.93	.88	.83	.92	.86	.82	.89	.85	.81	.86	.83	.80	.84	.81	.78	.77
4.0	.87	.80	.76	.85	.80	.75	.83	.78	.74	.81	.77	.73	.79	.75	.73	.71
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.76	.72	.68	.74	.71	.67	.66
6.0	.76	.69	.65	.75	.69	.65	.73	.68	.64	.72	.67	.64	.70	.66	.63	.62
7.0	.71	.65	.61	.71	.65	.60	.69	.64	.60	.68	.63	.60	.67	.62	.59	.58
8.0	.67	.61	.57	.67	.61	.57	.66	.60	.56	.64	.60	.56	.63	.59	.56	.54
9.0	.64	.58	.53	.63	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.53	.51
10.0	.60	.55	.51	.60	.54	.50	.59	.54	.50	.58	.53	.50	.58	.53	.50	.49



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:24.00V I:0.1323A P:3.175W PF:1.000 Freq:0Hz Lamp Flux:418.652x1 lm		
NAME: MR16 4W 5-27V	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	.205	.116	.037	.198	.113	.036	.185	.106	.034	.173	.100	.032	.162	.094	.030	
2.0	.193	.106	.032	.187	.103	.032	.176	.098	.030	.166	.093	.029	.156	.089	.028	
3.0	.181	.097	.029	.176	.094	.028	.167	.090	.027	.158	.086	.027	.150	.083	.026	
4.0	.170	.088	.026	.166	.087	.026	.157	.084	.025	.150	.080	.024	.143	.077	.024	
5.0	.160	.082	.024	.156	.080	.023	.149	.078	.023	.142	.075	.022	.136	.073	.022	
6.0	.151	.076	.022	.148	.075	.021	.141	.072	.021	.135	.070	.021	.130	.068	.020	
7.0	.143	.071	.020	.140	.070	.020	.134	.068	.020	.129	.066	.019	.124	.064	.019	
8.0	.135	.066	.019	.133	.065	.018	.128	.064	.018	.123	.062	.018	.118	.061	.018	
9.0	.129	.062	.017	.126	.062	.017	.122	.060	.017	.117	.059	.017	.113	.058	.017	
10.0	.123	.059	.016	.120	.058	.016	.116	.057	.016	.112	.056	.016	.109	.055	.016	

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	.178	.162	.147	.152	.139	.127	.104	.096	.088	.060	.055	.051	.019	.018	.017	
2.0	.164	.137	.115	.140	.118	.099	.096	.082	.069	.055	.048	.041	.018	.015	.013	
3.0	.152	.119	.092	.130	.102	.079	.090	.071	.056	.052	.041	.033	.017	.013	.011	
4.0	.142	.104	.075	.122	.090	.065	.084	.063	.046	.049	.037	.027	.016	.012	.009	
5.0	.134	.093	.062	.115	.080	.054	.079	.056	.038	.046	.033	.023	.015	.011	.008	
6.0	.126	.083	.053	.108	.072	.046	.075	.051	.033	.043	.030	.019	.014	.010	.006	
7.0	.119	.076	.046	.102	.066	.040	.071	.046	.028	.041	.027	.017	.013	.009	.006	
8.0	.113	.070	.040	.097	.061	.035	.067	.042	.025	.039	.025	.015	.013	.008	.005	
9.0	.108	.065	.035	.093	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
10.0	.103	.060	.032	.089	.052	.028	.061	.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: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:24.00V I:0.1323A P:3.175W PF:1.000 Freq:0Hz Lamp Flux:418.652x1 lm										
NAME: MR16 4W 5-27V					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	20.5	21.6	20.8	21.7	21.9	19.1	20.1	19.3	20.3	20.5
3H	21.2	22.1	21.4	22.3	22.5	19.9	20.9	20.2	21.1	21.3
4H	21.6	22.5	21.9	22.7	23.0	20.4	21.3	20.7	21.5	21.8
6H	22.1	22.9	22.4	23.2	23.4	20.8	21.6	21.1	21.9	22.1
8H	22.3	23.1	22.6	23.3	23.6	20.9	21.7	21.2	21.9	22.2
12H	22.4	23.2	22.8	23.5	23.8	20.9	21.7	21.3	22.0	22.3
4H 2H	20.6	21.5	20.9	21.8	22.0	19.4	20.3	19.7	20.5	20.7
3H	21.5	22.3	21.9	22.6	22.9	20.5	21.3	20.8	21.6	21.9
4H	22.1	22.9	22.5	23.2	23.5	21.2	21.9	21.6	22.2	22.5
6H	22.8	23.5	23.2	23.8	24.2	21.7	22.3	22.1	22.7	23.0
8H	23.1	23.7	23.5	24.1	24.5	21.9	22.5	22.3	22.8	23.2
12H	23.4	23.9	23.8	24.3	24.7	22.0	22.6	22.4	22.9	23.3
8H 4H	22.4	23.0	22.8	23.3	23.7	21.5	22.1	21.9	22.5	22.9
6H	23.3	23.8	23.7	24.2	24.6	22.3	22.7	22.7	23.2	23.6
8H	23.7	24.1	24.2	24.6	25.0	22.5	23.0	23.0	23.4	23.9
12H	24.1	24.4	24.5	24.9	25.4	22.8	23.2	23.3	23.6	24.1
12H 4H	22.4	22.9	22.8	23.3	23.7	21.6	22.1	22.0	22.5	22.9
6H	23.4	23.8	23.8	24.2	24.7	22.4	22.8	22.9	23.3	23.7
8H	23.8	24.2	24.3	24.7	25.1	22.7	23.1	23.2	23.6	24.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 1.0 / - 0.6					+ 0.8 / - 0.7				
2.0H	+ 1.2 / - 0.5					+ 0.8 / - 0.6				

CIE Pub.117, 418.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.0)

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:24.00V I:0.1323A P:3.175W PF:1.000 Freq:0Hz Lamp Flux:418.652x1 lm		
NAME: MR16 4W 5-27V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

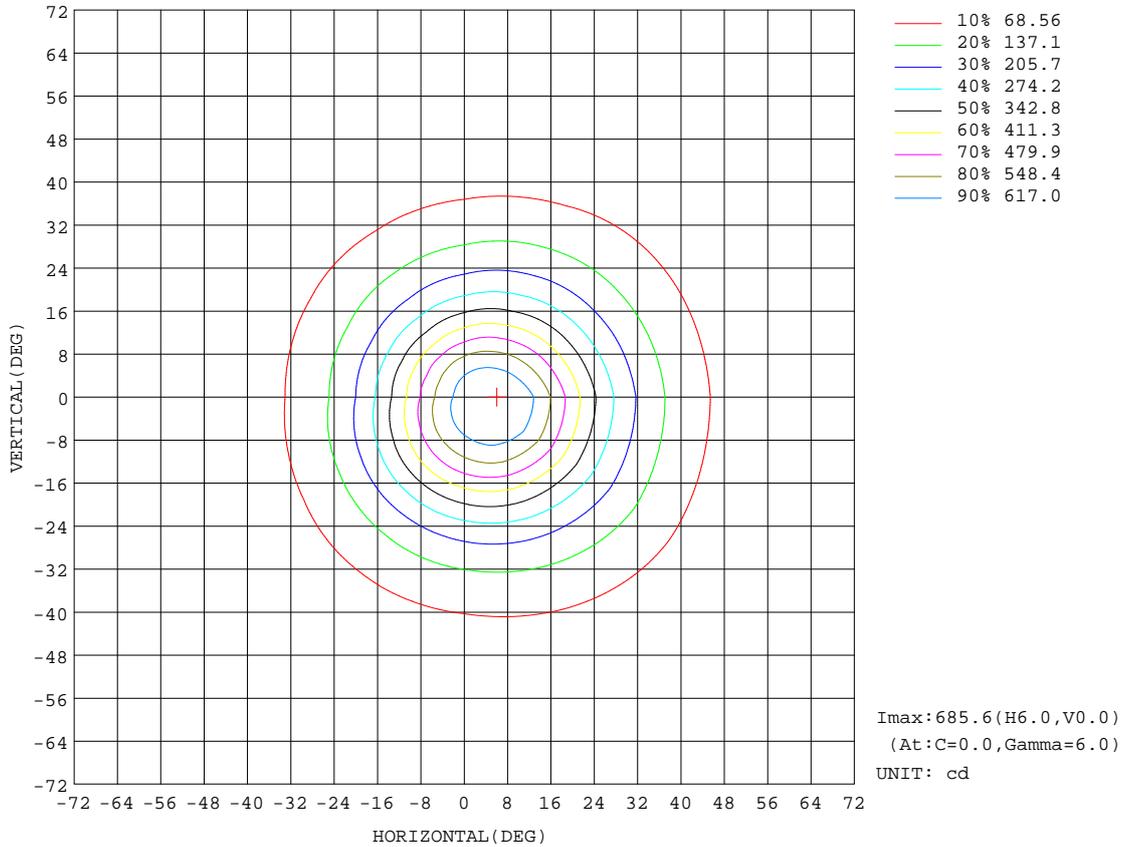
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	79	72	67	79	72	67	78	71	67	63
0.80	88	80	76	87	80	75	85	79	75	70
1.00	93	86	82	92	86	81	90	86	81	76
1.25	98	91	87	97	91	87	94	89	86	81
1.50	101	95	91	100	94	90	97	93	89	84
2.00	105	100	96	103	99	95	100	96	93	87
2.50	107	102	99	105	101	98	102	98	96	89
3.00	109	105	101	107	103	100	104	101	98	91
4.00	112	108	105	109	106	104	106	103	101	93
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: 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:24.00V I:0.1323A P:3.175W PF:1.000 Freq:0Hz Lamp Flux:418.652x1 lm		
NAME: MR16 4W 5-27V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

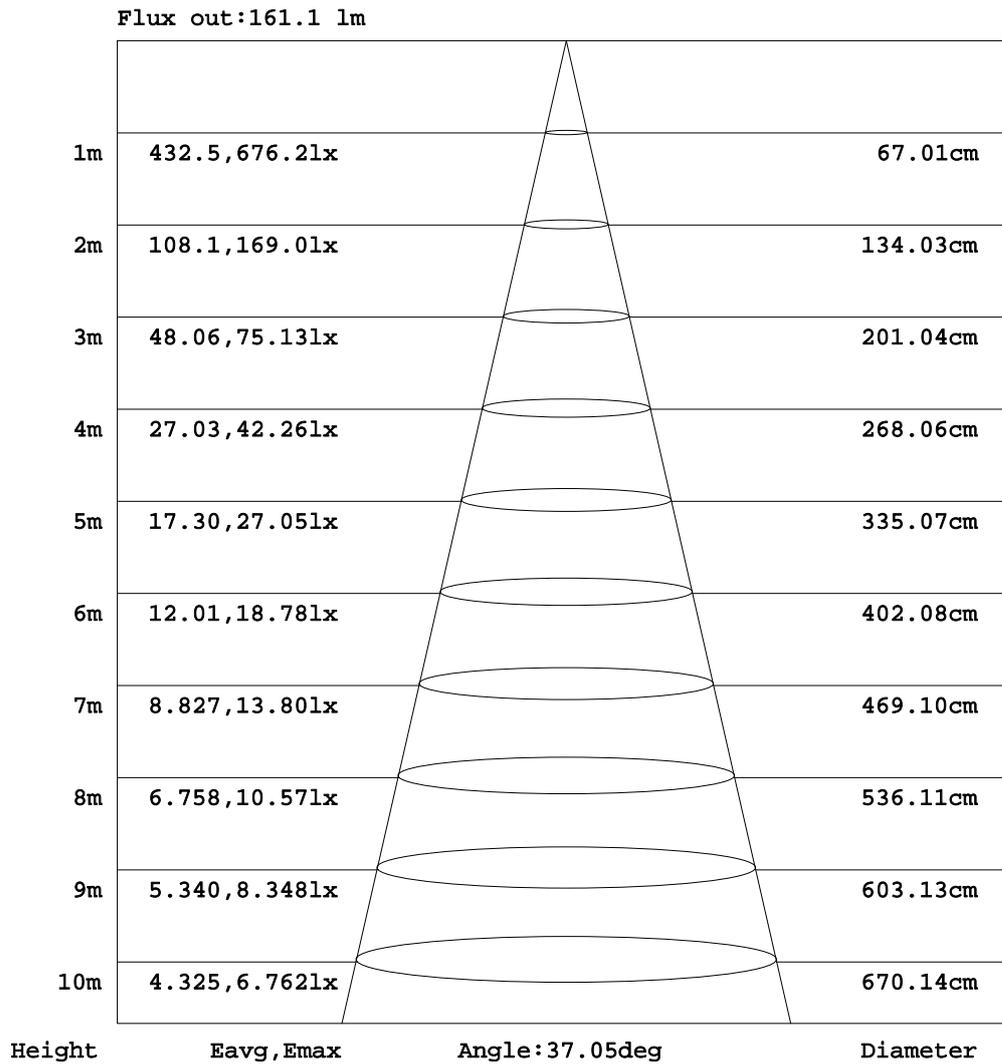


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 24.5DEG  
 Operators:  
 Test Date: 2019-10-11

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:24.00V I:0.1323A P:3.175W PF:1.000 Freq:0Hz Lamp Flux:418.652x1 lm		
NAME: MR16 4W 5-27V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



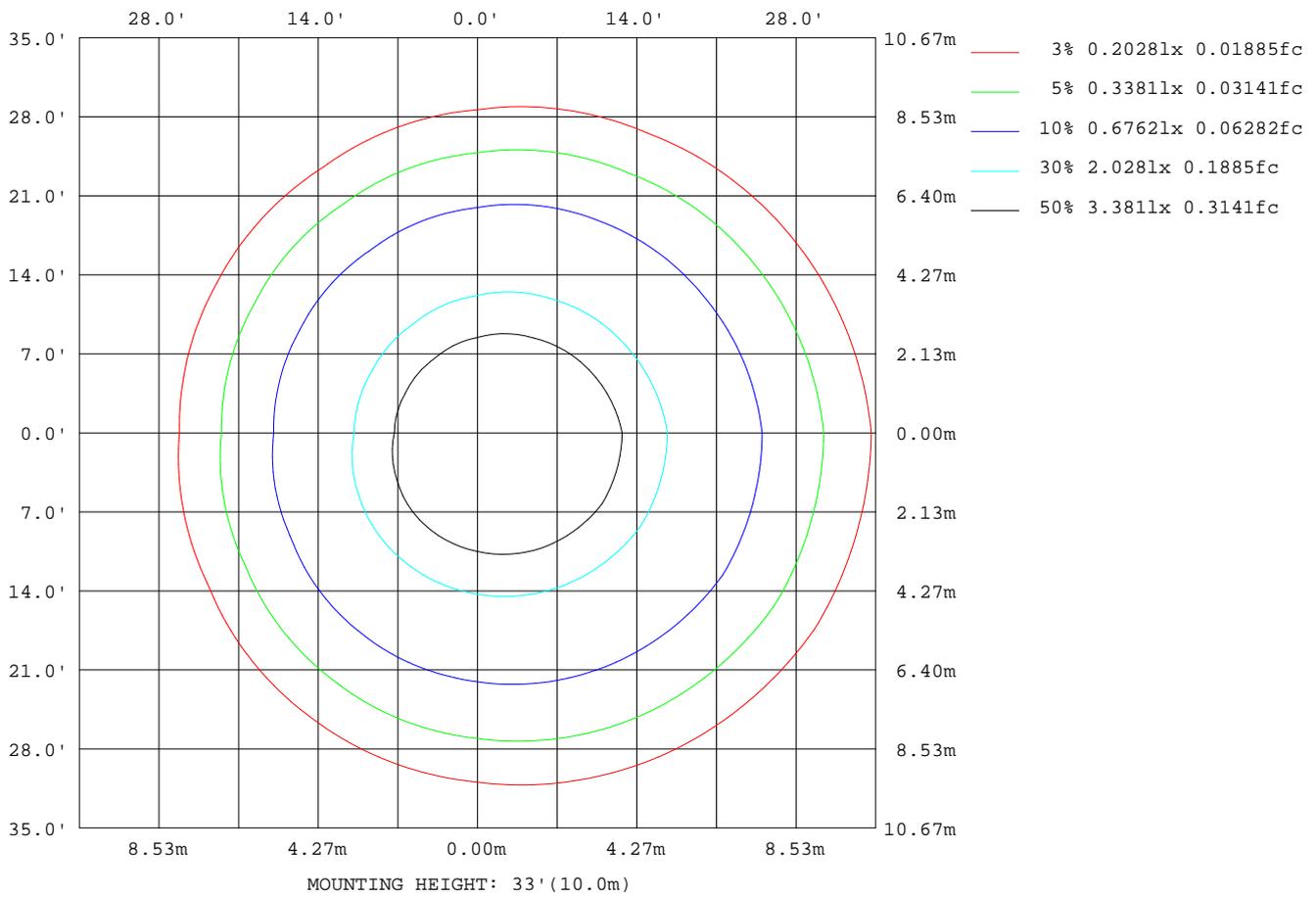
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:24.00V I:0.1323A P:3.175W PF:1.000 Freq:0Hz Lamp Flux:418.652x1 lm		
NAME: MR16 4W 5-27V	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:24.00V I:0.1323A P:3.175W PF:1.000 Freq:0Hz Lamp Flux:418.652x1 lm		
NAME: MR16 4W 5-27V	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

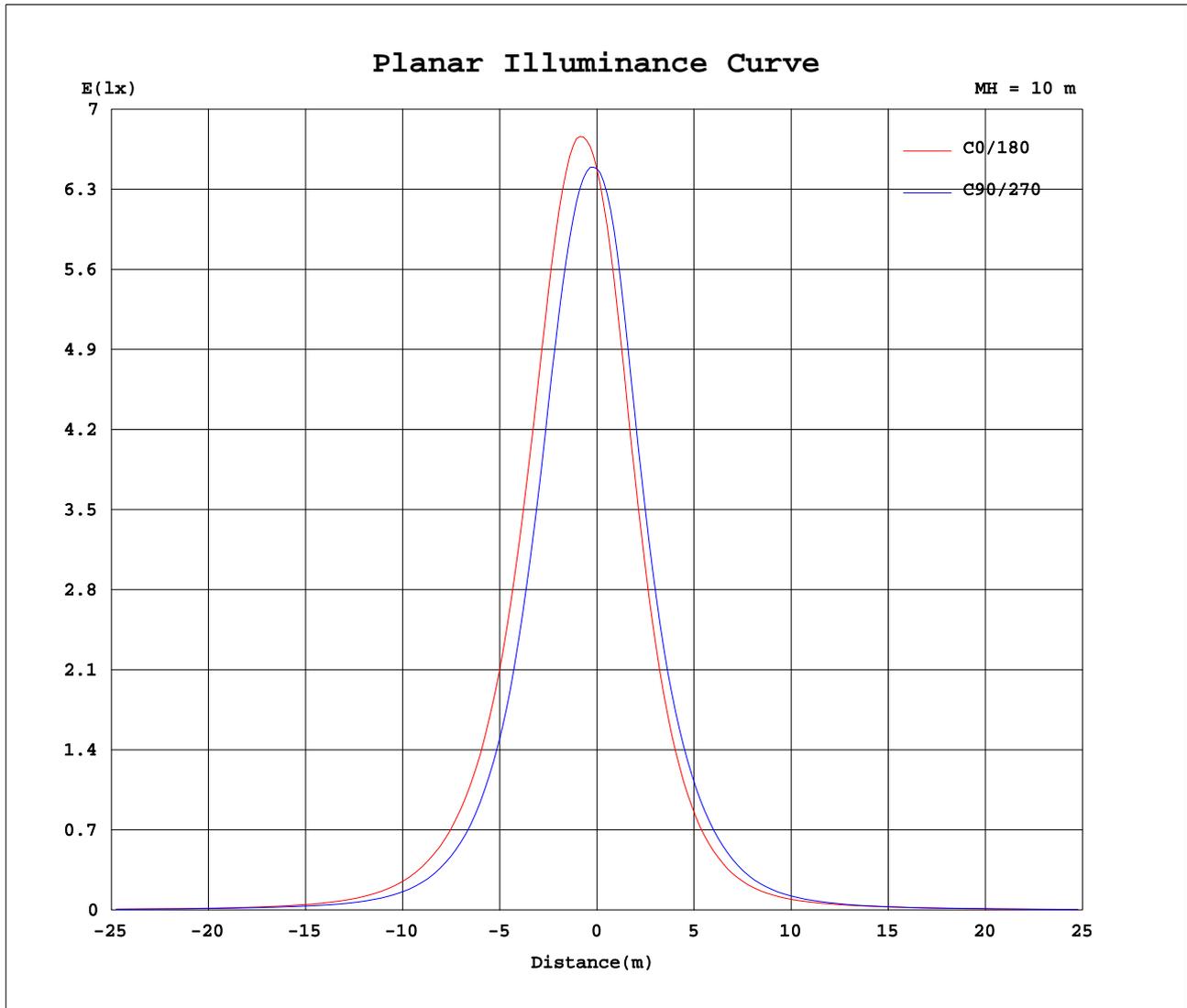
AvgL	cd/m2
L_0~180(65)av	3334
L_0~180(75)av	3080
L_0~180(85)av	2544
L_90~270(65)av	3279
L_90~270(75)av	3013
L_90~270(85)av	2316
L_45(65)av	3224
L_45(75)av	2979
L_45(85)av	2553

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



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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.1323A P:3.175W PF:1.000 Freq:0Hz Lamp Flux:418.652x1 lm		
NAME: MR16 4W 5-27V	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	647	647	648	648	650	650	647	647	648	648	650	650							
5	684	680	663	638	611	583	559	558	575	602	632	661							
10	660	656	623	572	521	470	428	427	444	486	543	605							
15	570	569	522	459	402	347	305	302	318	359	420	496							
20	446	442	395	339	287	242	206	204	219	251	305	375							
25	327	321	281	235	194	160	136	137	151	176	216	268							
30	233	228	195	162	130	103	89.1	91.2	101	120	151	188							
35	161	160	134	108	84.9	67.1	57.5	59.1	65.9	79.9	102	129							
40	109	108	89.7	70.5	55.6	43.5	38.1	39.4	43.0	51.9	66.3	87.0							
45	71.1	69.0	57.8	45.3	37.0	29.6	26.7	28.5	29.5	35.0	43.4	56.9							
50	46.4	44.2	37.5	30.2	26.3	22.1	20.7	21.0	21.9	24.6	29.7	37.7							
55	31.0	29.4	25.4	21.9	19.7	18.0	17.1	16.5	17.3	18.4	21.3	26.2							
60	22.1	21.3	19.2	17.6	16.0	15.0	14.0	13.3	14.4	15.0	16.4	19.2							
65	16.8	16.5	15.9	14.8	13.0	12.5	11.4	10.2	12.1	12.9	13.8	15.4							
70	13.9	13.8	13.6	12.6	10.1	8.89	7.20	6.85	7.74	10.2	11.5	12.6							
75	11.5	11.6	11.3	9.32	6.66	5.60	4.48	4.19	4.89	6.28	8.19	9.44							
80	8.03	8.97	7.64	5.25	3.99	3.12	2.05	1.54	2.68	3.62	4.64	5.86							
85	4.44	5.15	4.04	2.74	1.84	0.69	0.00	0.00	0.30	1.30	2.40	3.29							
90	2.17	2.18	1.69	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85							
95	0.05	0.21	0.20	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	0.00	0.00	0.02	0.03	0.00	0.00	0.00	0.00	0.00							
120	0.00	0.00	0.00	0.01	0.00	0.13	0.14	0.06	0.08	0.00	0.00	0.00							
125	0.00	0.03	0.00	0.11	0.11	0.29	0.29	0.21	0.23	0.07	0.08	0.00							
130	0.06	0.15	0.11	0.27	0.28	0.49	0.49	0.42	0.41	0.23	0.22	0.08							
135	0.24	0.31	0.29	0.45	0.51	0.74	0.74	0.67	0.65	0.44	0.41	0.23							
140	0.45	0.54	0.52	0.71	0.78	1.00	0.99	0.92	0.89	0.70	0.64	0.44							
145	0.70	0.77	0.77	0.99	1.04	1.28	1.24	1.16	1.16	0.95	0.88	0.68							
150	0.98	1.06	1.05	1.25	1.29	1.53	1.47	1.40	1.38	1.20	1.13	0.93							
155	1.24	1.33	1.30	1.49	1.52	1.70	1.66	1.59	1.58	1.39	1.37	1.18							
160	1.48	1.55	1.53	1.67	1.68	1.82	1.80	1.72	1.73	1.56	1.56	1.39							
165	1.66	1.74	1.69	1.80	1.78	1.88	1.89	1.79	1.82	1.67	1.69	1.54							
170	1.79	1.86	1.80	1.87	1.83	1.89	1.93	1.84	1.87	1.76	1.78	1.67							
175	1.89	1.96	1.88	1.91	1.86	1.90	1.94	1.91	1.92	1.80	1.85	1.75							
180	1.96	1.98	1.91	1.92	1.89	1.90	1.95	1.93	1.93	1.91	1.92	1.89							

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