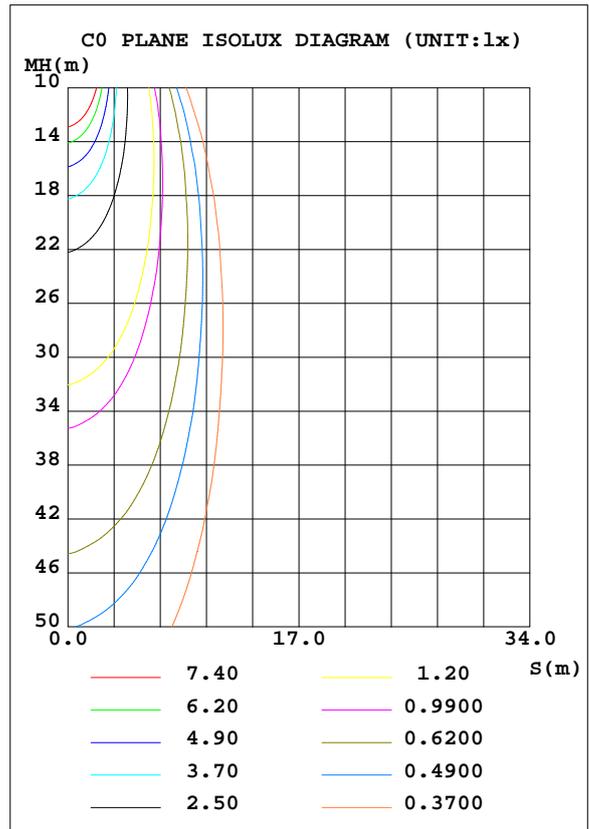
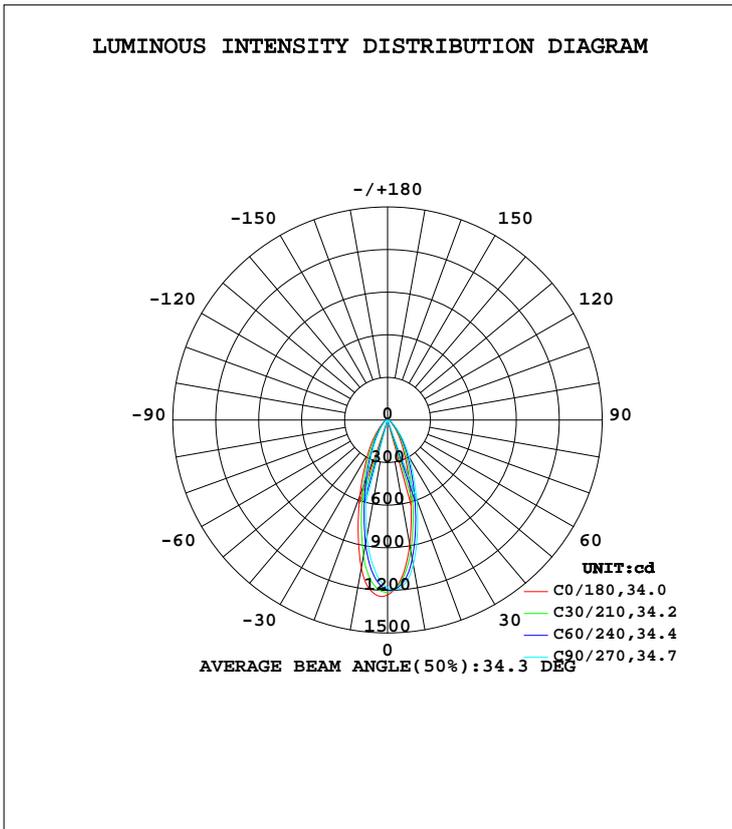


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.87V I:0.2519A P:6.014W PF:0.9997 Freq:0Hz Lamp Flux:689.883x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.72 lm/W			
MODEL	MR16-7W	I _{max} (cd)	1244	S/MH(C0/180)	0.61
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	0.49
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	689.88	η UP, DN(C0-180)	0.3,54.2
NOMINAL FLUX(lm)	689.883	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.3,45.1
LAMPS INSIDE	1	η up(%)	0.7	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	99.3	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:
 Test Date:2019-09-19

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	891.7	964.0	1035	1017	1059	929.3	836.5	824.8	0- 10	101.7	101.7	14.7,14.7
20	432.1	515.3	596.7	572.8	567.6	464.3	399.3	390.1	10- 20	192.4	294.1	42.6,42.6
30	200.8	253.6	299.1	290.0	275.4	213.8	172.4	172.5	20- 30	156.5	450.6	65.3,65.3
40	93.37	118.1	143.7	138.0	128.1	95.50	75.97	79.71	30- 40	101.6	552.2	80,80
50	42.81	53.46	65.76	62.69	59.49	47.65	37.92	39.11	40- 50	57.90	610.1	88.4,88.4
60	26.42	30.40	35.21	33.69	33.58	29.22	23.49	23.81	50- 60	34.31	644.4	93.4,93.4
70	17.63	19.78	21.02	21.90	22.49	17.94	13.59	14.44	60- 70	23.58	668.0	96.8,96.8
80	6.242	7.924	8.702	9.500	9.714	6.923	4.251	4.495	70- 80	13.43	681.4	98.8,98.8
90	0	0.4696	1.338	1.960	1.881	0.1029	0	0	80- 90	3.720	685.2	99.3,99.3
100	0	0	0	0	0	0	0	0	90-100	0.0752	685.2	99.3,99.3
110	0	0.0002	0	0	0	0.0077	0	0.0192	100-110	0.0005	685.2	99.3,99.3
120	0.2755	0.1801	0.1304	0.0957	0.1459	0.1763	0.2217	0.2413	110-120	0.0682	685.3	99.3,99.3
130	0.8118	0.6402	0.5373	0.4789	0.5212	0.6210	0.7046	0.7284	120-130	0.3393	685.7	99.4,99.4
140	1.670	1.407	1.243	1.176	1.181	1.341	1.463	1.468	130-140	0.7446	686.4	99.5,99.5
150	2.567	2.315	2.116	2.054	2.055	2.176	2.291	2.269	140-150	1.116	687.5	99.7,99.7
160	3.157	2.996	2.859	2.770	2.805	2.855	2.865	2.843	150-160	1.183	688.7	99.8,99.8
170	3.425	3.353	3.280	3.169	3.318	3.249	3.172	3.131	160-170	0.8709	689.6	100,100
180	3.502	3.452	3.387	3.284	3.541	3.429	3.349	3.311	170-180	0.3162	689.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 585.41 lm

%lum = 84.9%
%lamp = 84.9%

Conical surface Flux(120deg): 644.44 lm

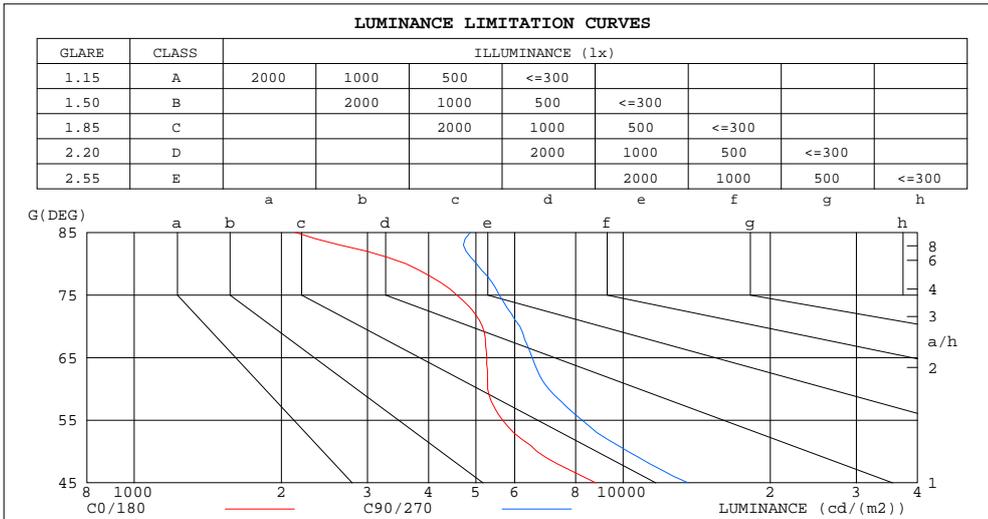
%lum = 93.4%
%lamp = 93.4%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:
Test Date:2019-09-19

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:23.87V I:0.2519A P:6.014W PF:0.9997 Freq:0Hz Lamp Flux:689.883x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2138	4868
80	3594	5012
75	4570	5582
70	5154	6147
65	5264	6516
60	5284	7041
55	5669	8242
50	6661	10231
45	8793	13595

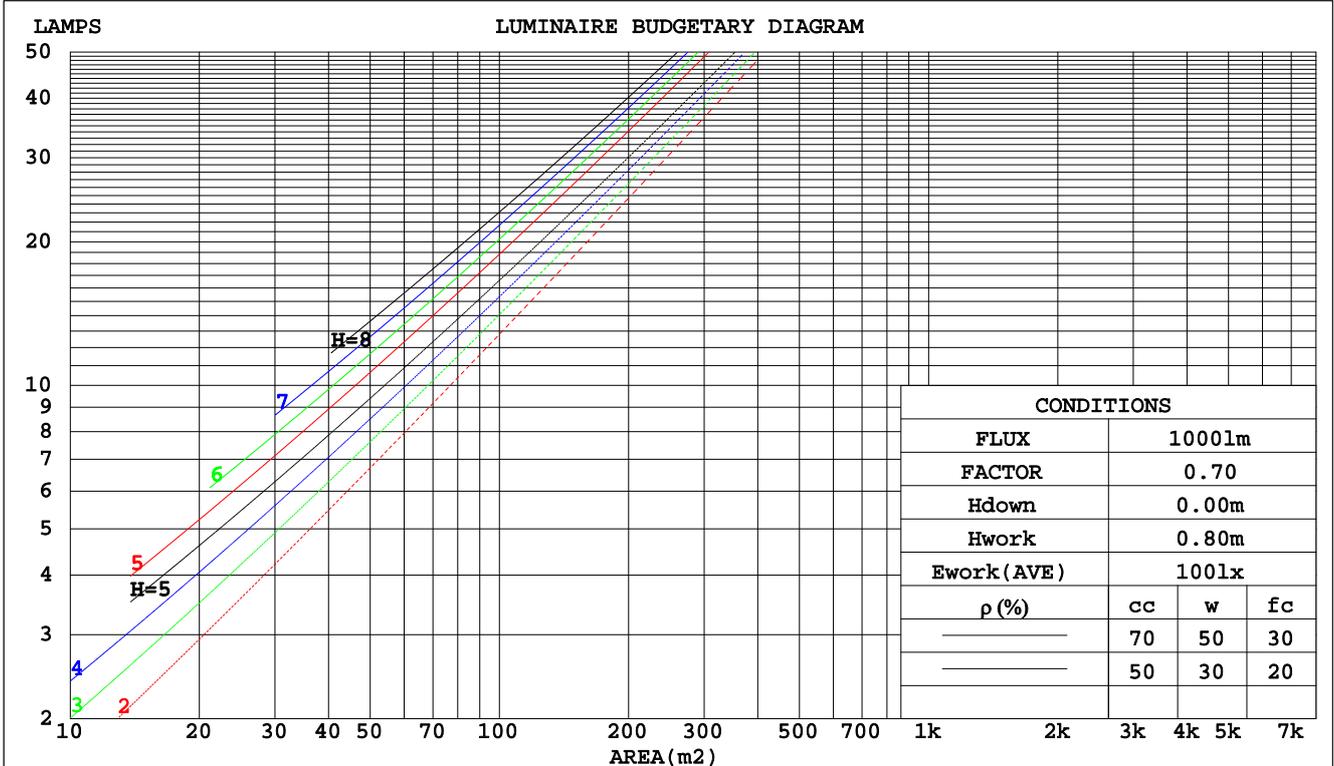
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators:
 Test Date: 2019-09-19

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.87V I:0.2519A P:6.014W PF:0.9997 Freq:0Hz Lamp Flux:689.883x1 lm		
NAME: MR16-7W	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	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	.90	.87	.89	.87	.85	.83
3.0	.93	.88	.83	.92	.87	.83	.89	.85	.81	.86	.83	.80	.84	.81	.78	.77
4.0	.87	.81	.76	.85	.80	.76	.83	.78	.75	.81	.77	.74	.79	.76	.73	.71
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.76	.72	.68	.75	.71	.68	.66
6.0	.76	.70	.65	.75	.69	.65	.74	.68	.64	.72	.67	.64	.71	.67	.63	.62
7.0	.72	.65	.61	.71	.65	.61	.70	.64	.60	.68	.64	.60	.67	.63	.60	.58
8.0	.68	.62	.57	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.59	.56	.55
9.0	.64	.58	.54	.64	.58	.54	.63	.57	.54	.62	.57	.53	.61	.56	.53	.52
10.0	.61	.55	.51	.61	.55	.51	.60	.54	.51	.59	.54	.51	.58	.54	.51	.49



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators:
 Test Date: 2019-09-19

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:23.87V I:0.2519A P:6.014W PF:0.9997 Freq:0Hz Lamp Flux:689.883x1 lm														
NAME: MR16-7W					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	.203	.116	.037	.196	.112	.036	.183	.105	.034	.171	.099	.032	.160	.093	.030	
2.0	.192	.105	.032	.186	.103	.032	.175	.097	.030	.165	.092	.029	.155	.088	.028	
3.0	.180	.096	.029	.175	.094	.028	.166	.090	.027	.157	.086	.026	.149	.082	.025	
4.0	.169	.088	.026	.165	.086	.025	.156	.083	.025	.149	.080	.024	.142	.077	.023	
5.0	.159	.081	.023	.155	.080	.023	.148	.077	.023	.141	.074	.022	.135	.072	.022	
6.0	.150	.075	.022	.147	.074	.021	.140	.072	.021	.134	.070	.020	.129	.068	.020	
7.0	.142	.070	.020	.139	.069	.020	.133	.067	.019	.128	.065	.019	.123	.064	.019	
8.0	.134	.066	.018	.132	.065	.018	.127	.063	.018	.122	.062	.018	.117	.060	.018	
9.0	.128	.062	.017	.125	.061	.017	.121	.060	.017	.116	.058	.017	.112	.057	.016	
10.0	.122	.058	.016	.119	.058	.016	.115	.056	.016	.111	.055	.016	.108	.054	.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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.178	.162	.148	.152	.139	.127	.104	.096	.088	.060	.055	.051	.019	.018	.017	
2.0	.164	.138	.115	.141	.119	.100	.096	.082	.070	.056	.048	.041	.018	.015	.013	
3.0	.153	.119	.092	.131	.103	.080	.090	.071	.056	.052	.042	.033	.017	.014	.011	
4.0	.142	.105	.076	.122	.090	.066	.084	.063	.046	.049	.037	.027	.016	.012	.009	
5.0	.134	.093	.063	.115	.081	.055	.079	.056	.039	.046	.033	.023	.015	.011	.008	
6.0	.126	.084	.054	.108	.073	.047	.075	.051	.033	.043	.030	.020	.014	.010	.006	
7.0	.119	.076	.046	.103	.066	.040	.071	.046	.029	.041	.027	.017	.013	.009	.006	
8.0	.113	.070	.041	.097	.061	.035	.067	.043	.025	.039	.025	.015	.013	.008	.005	
9.0	.108	.065	.036	.093	.056	.031	.064	.040	.022	.037	.023	.013	.012	.008	.004	
10.0	.103	.061	.032	.089	.053	.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:2019-09-19

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:23.87V I:0.2519A P:6.014W PF:0.9997 Freq:0Hz Lamp Flux:689.883x1 lm										
NAME: MR16-7W					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	17.6	18.6	17.9	18.8	19.0	19.2	20.2	19.4	20.4	20.6
3H	18.6	19.5	18.9	19.7	20.0	20.0	21.0	20.3	21.2	21.4
4H	19.0	19.9	19.3	20.1	20.4	20.4	21.3	20.7	21.5	21.8
6H	19.2	20.1	19.6	20.3	20.6	20.7	21.5	21.0	21.8	22.0
8H	19.3	20.1	19.6	20.4	20.6	20.8	21.6	21.1	21.8	22.1
12H	19.3	20.1	19.6	20.3	20.6	20.8	21.6	21.2	21.9	22.2
4H 2H	18.0	18.9	18.3	19.2	19.4	19.4	20.3	19.7	20.5	20.7
3H	19.2	20.0	19.6	20.3	20.6	20.4	21.2	20.8	21.5	21.8
4H	19.8	20.5	20.1	20.8	21.1	20.9	21.6	21.3	22.0	22.3
6H	20.1	20.7	20.5	21.1	21.5	21.3	22.0	21.7	22.3	22.7
8H	20.2	20.8	20.6	21.1	21.5	21.5	22.1	21.9	22.4	22.8
12H	20.2	20.7	20.6	21.1	21.5	21.6	22.1	22.0	22.5	22.9
8H 4H	20.0	20.6	20.4	21.0	21.3	21.1	21.6	21.5	22.0	22.4
6H	20.5	20.9	20.9	21.4	21.8	21.6	22.1	22.0	22.5	22.9
8H	20.6	21.0	21.0	21.4	21.9	21.8	22.2	22.3	22.6	23.1
12H	20.6	21.0	21.1	21.5	21.9	22.0	22.3	22.4	22.8	23.3
12H 4H	20.0	20.5	20.4	20.9	21.3	21.0	21.6	21.5	22.0	22.4
6H	20.5	20.9	21.0	21.4	21.8	21.6	22.0	22.1	22.5	22.9
8H	20.7	21.0	21.1	21.5	22.0	21.8	22.2	22.3	22.6	23.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 0.8 / - 0.7					+ 1.2 / - 0.6				
2.0H	+ 0.8 / - 0.6					+ 1.4 / - 0.6				

CIE Pub.117, 689.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.3)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:
 Test Date:2019-09-19

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:23.87V I:0.2519A P:6.014W PF:0.9997 Freq:0Hz Lamp Flux:689.883x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

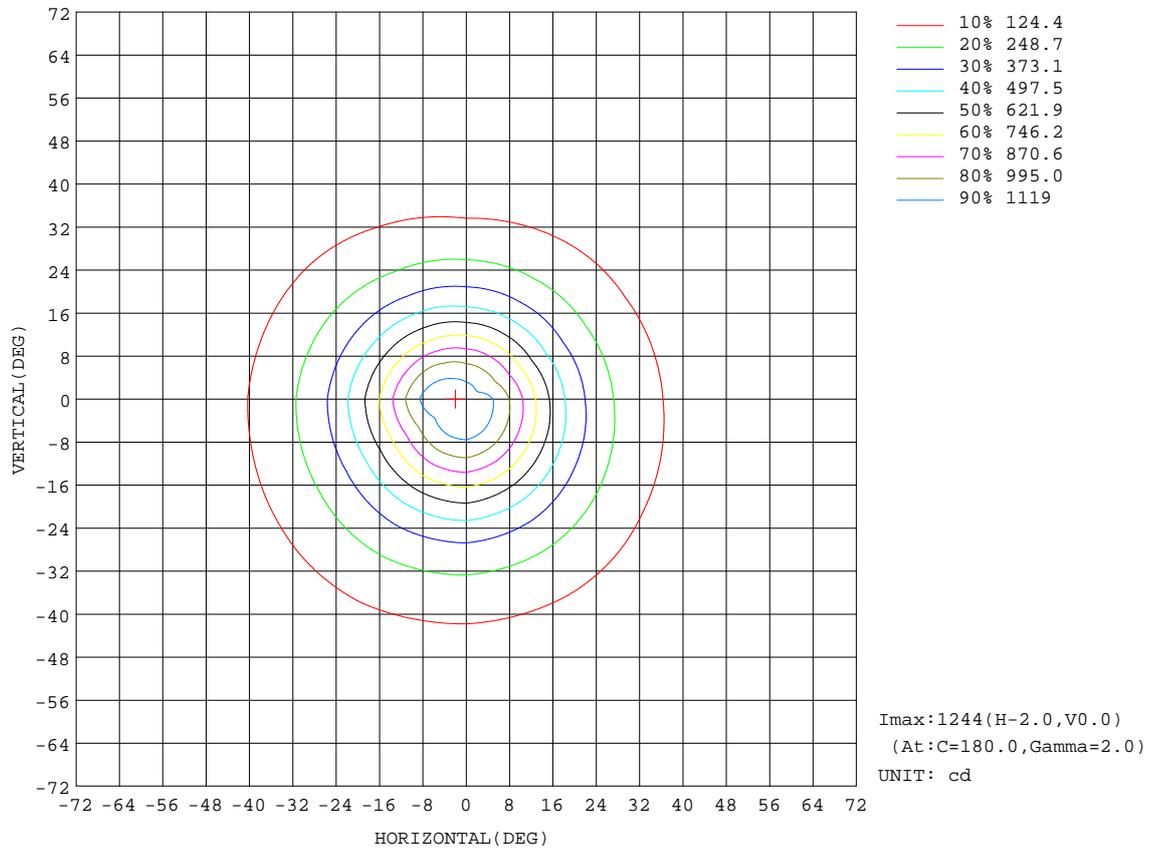
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	79	71	67	79	71	67	78	71	67	62
0.80	87	80	75	87	80	75	85	79	75	70
1.00	93	86	81	92	85	81	90	86	80	76
1.25	98	91	87	97	91	86	94	89	85	80
1.50	101	95	91	100	94	90	97	93	89	84
2.00	105	100	96	103	98	95	100	96	93	87
2.50	107	102	98	105	101	98	102	98	96	89
3.00	109	105	101	107	103	100	104	100	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:2019-09-19

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:

ISOCANDELA DIAGRAM

Test:U:23.87V I:0.2519A P:6.014W PF:0.9997 Freq:0Hz Lamp Flux:689.883x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

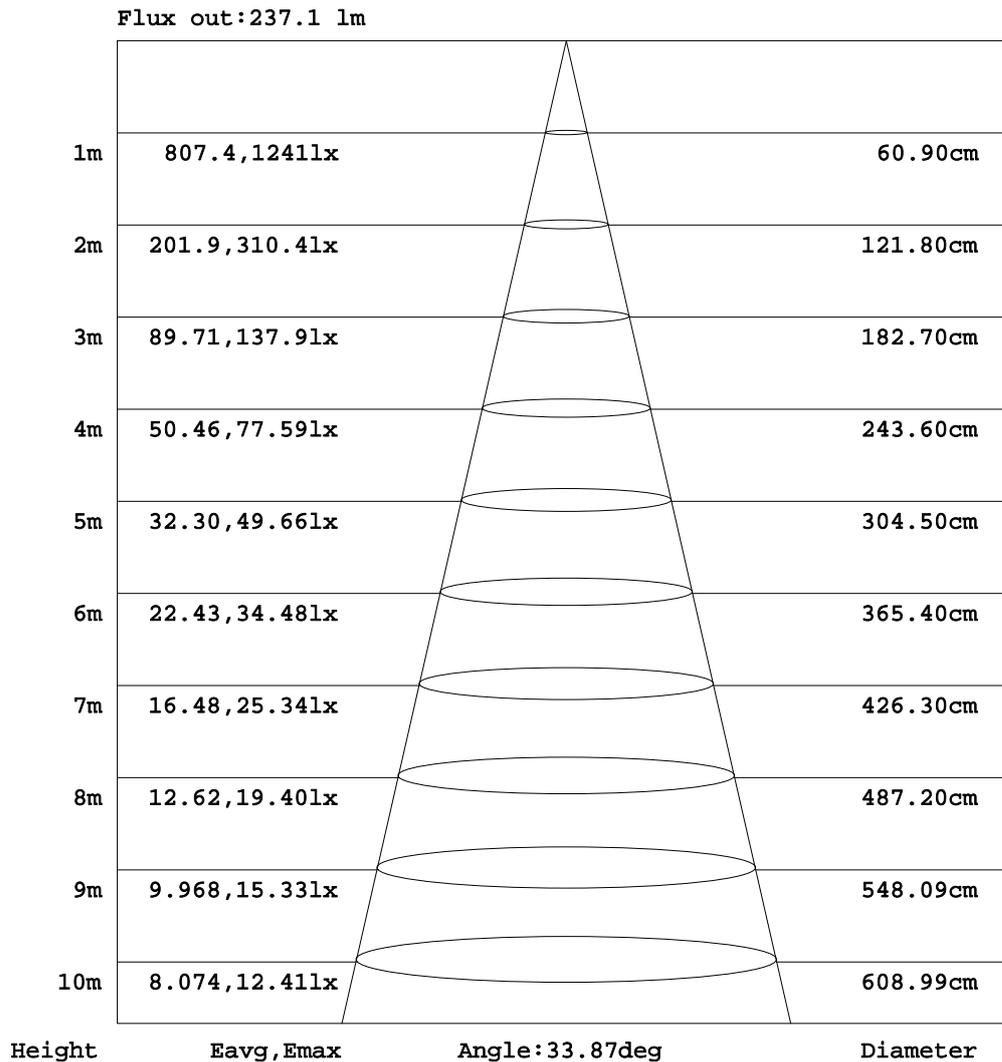


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:
 Test Date:2019-09-19

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:23.87V I:0.2519A P:6.014W PF:0.9997 Freq:0Hz Lamp Flux:689.883x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



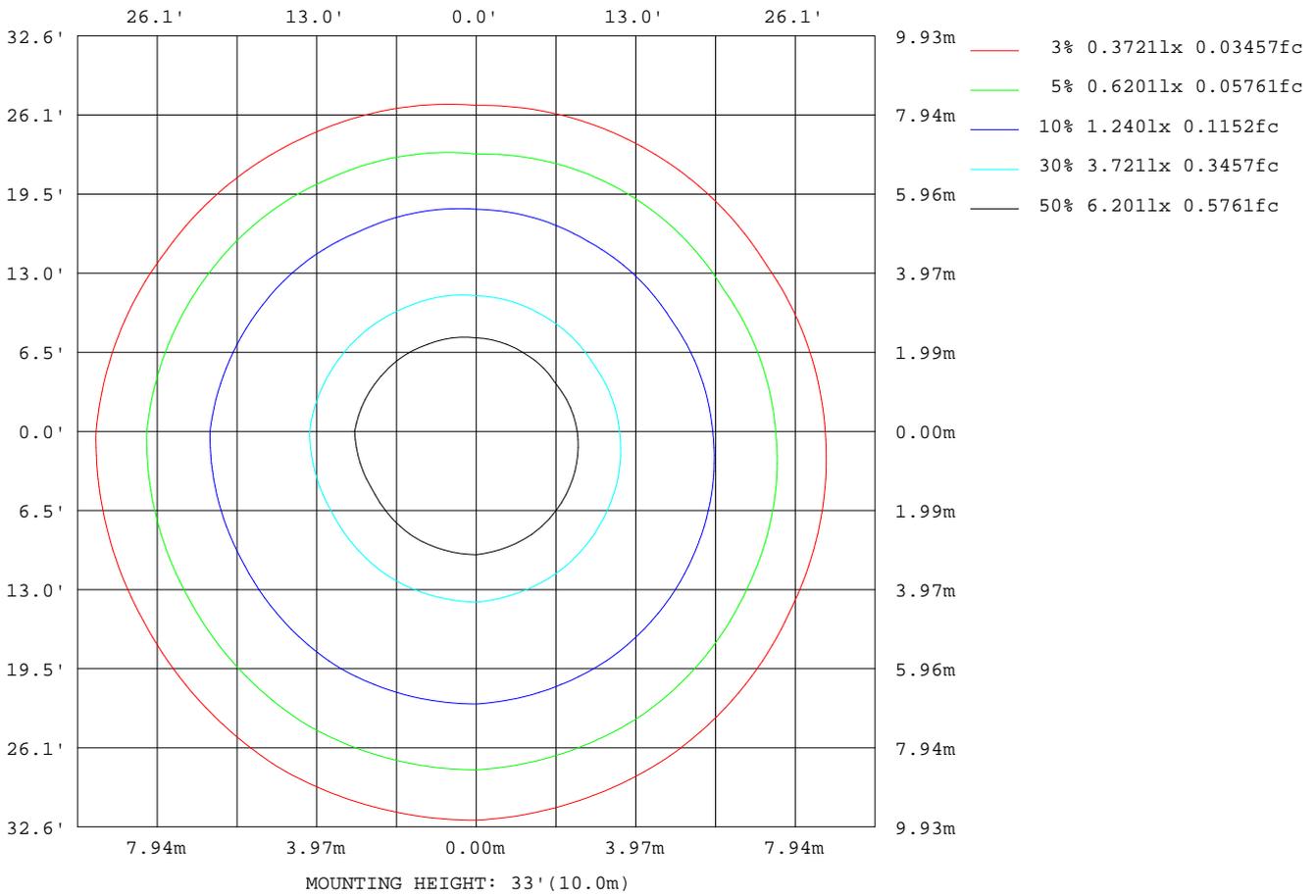
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators:
 Test Date: 2019-09-19

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:23.87V I:0.2519A P:6.014W PF:0.9997 Freq:0Hz Lamp Flux:689.883x1 lm		
NAME: MR16-7W	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: 2019-09-19

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:23.87V I:0.2519A P:6.014W PF:0.9997 Freq:0Hz Lamp Flux:689.883x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

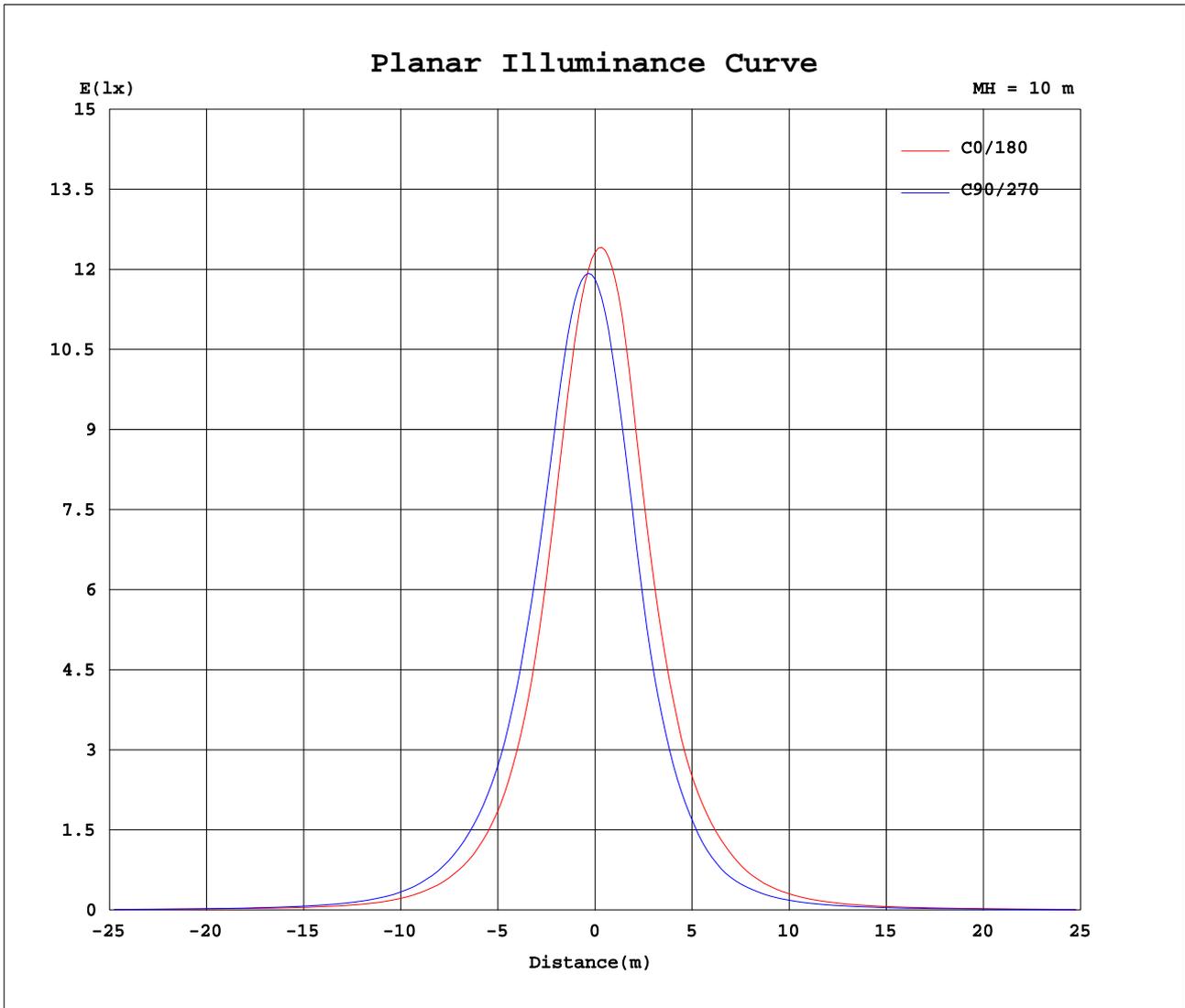
AvgL	cd/m2
L_0~180(65)av	5915
L_0~180(75)av	5419
L_0~180(85)av	4143
L_90~270(65)av	5461
L_90~270(75)av	4441
L_90~270(85)av	3249
L_45(65)av	5565
L_45(75)av	4851
L_45(85)av	3565

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:
 Test Date:2019-09-19

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: 2019-09-19

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:23.87V I:0.2519A P:6.014W PF:0.9997 Freq:0Hz Lamp Flux:689.883x1 lm		
NAME: MR16-7W	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	1232	1213	1197	1182	1171	1159	1232	1213	1197	1182	1171	1159							
5	1118	1135	1157	1176	1172	1153	1218	1159	1100	1057	1046	1043							
10	892	936	992	1035	1030	1004	1059	970	888	836	822	827							
15	637	695	759	809	804	773	798	710	635	586	572	578							
20	432	485	546	597	588	558	568	495	433	399	388	392							
25	293	334	385	420	416	391	390	338	291	268	259	263							
30	201	235	272	299	300	280	275	234	193	172	169	176							
35	137	163	190	211	211	197	192	157	130	111	115	119							
40	93.4	107	129	144	143	133	128	103	87.5	76.0	78.1	81.4							
45	62.2	71.4	85.4	96.1	96.3	88.1	86.1	71.2	61.9	52.0	54.9	55.8							
50	42.8	49.1	57.8	65.8	65.1	60.3	59.5	50.7	44.6	37.9	39.5	38.7							
55	32.5	35.9	41.7	47.3	45.7	43.1	42.7	37.9	35.0	29.6	30.2	29.2							
60	26.4	28.5	32.3	35.2	34.3	33.1	33.6	30.1	28.4	23.5	23.9	23.7							
65	22.2	23.5	26.2	27.5	27.4	26.7	27.8	24.2	22.6	18.6	18.5	19.3							
70	17.6	18.8	20.8	21.0	22.4	21.4	22.5	18.8	17.1	13.6	13.7	15.1							
75	11.8	12.8	14.0	14.4	15.9	15.3	16.2	12.6	11.3	8.54	8.76	9.98							
80	6.24	7.26	8.59	8.70	9.57	9.43	9.71	7.71	6.14	4.25	4.08	4.92							
85	1.86	2.58	3.70	4.24	5.43	5.10	5.36	3.33	2.03	1.42	1.29	1.50							
90	0.00	0.00	0.94	1.34	1.96	1.96	1.88	0.21	0.00	0.00	0.00	0.00							
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	0.02	0.00	0.04	0.00							
115	0.10	0.12	0.00	0.03	0.00	0.03	0.02	0.00	0.12	0.07	0.15	0.06							
120	0.28	0.27	0.09	0.13	0.05	0.15	0.15	0.10	0.25	0.22	0.30	0.18							
125	0.51	0.47	0.30	0.31	0.20	0.31	0.30	0.28	0.46	0.44	0.51	0.40							
130	0.81	0.75	0.53	0.54	0.42	0.54	0.52	0.52	0.72	0.70	0.78	0.67							
135	1.21	1.11	0.87	0.84	0.73	0.85	0.80	0.84	1.06	1.07	1.14	0.99							
140	1.67	1.55	1.26	1.24	1.12	1.23	1.18	1.23	1.46	1.46	1.54	1.39							
145	2.14	2.02	1.72	1.67	1.55	1.67	1.61	1.64	1.89	1.88	1.97	1.79							
150	2.57	2.47	2.16	2.12	2.00	2.11	2.05	2.06	2.29	2.29	2.35	2.19							
155	2.90	2.84	2.54	2.53	2.39	2.50	2.45	2.45	2.65	2.61	2.68	2.51							
160	3.16	3.13	2.87	2.86	2.72	2.82	2.81	2.77	2.94	2.87	2.93	2.76							
165	3.35	3.32	3.09	3.11	2.97	3.06	3.10	3.00	3.16	3.05	3.10	2.95							
170	3.43	3.46	3.25	3.28	3.13	3.20	3.32	3.20	3.30	3.17	3.21	3.05							
175	3.48	3.51	3.36	3.38	3.23	3.28	3.47	3.32	3.40	3.26	3.30	3.13							
180	3.50	3.52	3.39	3.39	3.28	3.29	3.54	3.43	3.43	3.35	3.37	3.25							

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