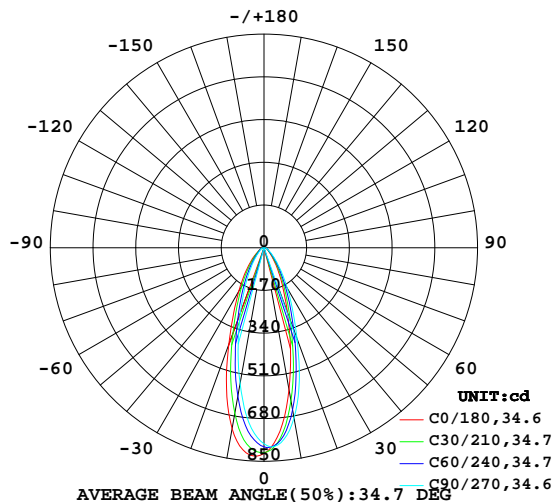


LUMINAIRE PHOTOMETRIC TEST REPORT

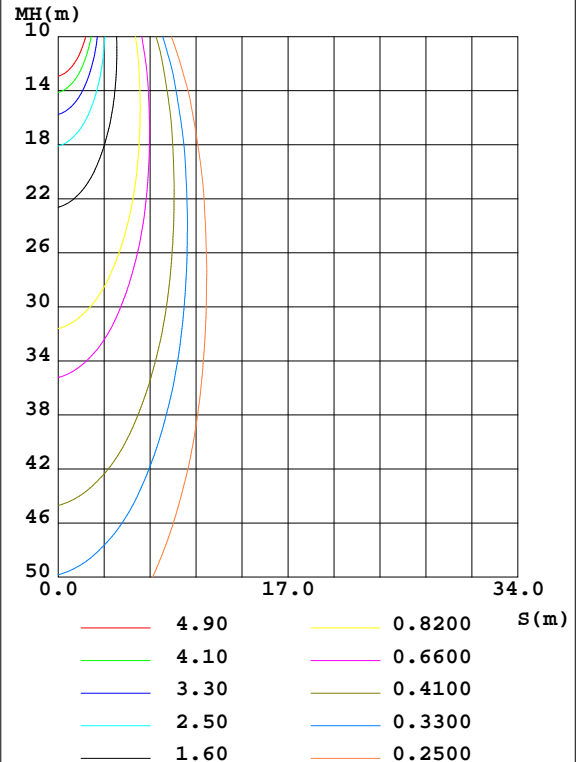
Test:U:5.564V I:0.8489A P:4.723W PF:1.000 Freq:0Hz Lamp Flux:466.179x1 lm		
NAME: MR16-5W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.70 lm/W			
MODEL	MR16-5W	I _{max} (cd)	829.9	S/MH(C0/180)	0.65
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	0.50
RATED VOLTAGE(V)	6	TOTAL FLUX(lm)	466.18	η UP,DN(C0-180)	0.3,52.6
NOMINAL FLUX(lm)	466.179	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,46.7
LAMPS INSIDE	1	η up(%)	0.6	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	6	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: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	573.4	637.4	689.1	699.9	731.6	635.0	549.4	512.0	0- 10	67.22	67.22	14.4,14.4
20	272.7	326.9	384.8	402.6	410.6	335.1	274.1	246.6	10- 20	130.0	197.3	42.3,42.3
30	122.5	151.5	185.7	196.7	202.7	162.5	125.0	113.7	20- 30	105.3	302.6	64.9,64.9
40	55.31	70.27	86.10	96.95	99.43	76.83	55.93	50.51	30- 40	68.38	371.0	79.6,79.6
50	28.24	33.23	41.45	47.09	49.26	37.37	27.32	25.02	40- 50	40.10	411.1	88.2,88.2
60	17.64	19.16	21.96	22.73	24.43	21.28	17.00	15.91	50- 60	23.72	434.8	93.3,93.3
70	10.53	12.43	13.52	15.36	16.73	13.69	10.32	9.263	60- 70	16.01	450.8	96.7,96.7
80	3.605	4.740	5.975	8.381	9.559	5.495	3.481	2.924	70- 80	9.630	460.4	98.8,98.8
90	0	0.1599	0.7272	1.855	1.907	0.5241	0	0	80- 90	2.848	463.3	99.4,99.4
100	0	0	0	0	0	0	0	0	90-100	0.1307	463.4	99.4,99.4
110	0	0	0	0	0	0	0	0	100-110	0	463.4	99.4,99.4
120	0.1147	0.0728	0.0154	0.0000	0	0.0268	0.0076	0.0843	110-120	0.0095	463.4	99.4,99.4
130	0.5202	0.3947	0.2919	0.2031	0.2146	0.2685	0.3292	0.4104	120-130	0.1428	463.6	99.4,99.4
140	1.095	0.9196	0.7664	0.6396	0.6522	0.7397	0.8274	0.9193	130-140	0.4244	464.0	99.5,99.5
150	1.685	1.529	1.364	1.222	1.227	1.295	1.379	1.452	140-150	0.6850	464.7	99.7,99.7
160	2.084	1.973	1.862	1.720	1.756	1.770	1.785	1.824	150-160	0.7468	465.4	99.8,99.8
170	2.221	2.181	2.138	2.004	2.115	2.062	2.000	1.992	160-170	0.5564	466.0	100,100
180	2.268	2.222	2.161	2.088	2.276	2.199	2.153	2.092	170-180	0.2021	466.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 393.72 lm

%lum = 84.5%

%lamp = 84.5%

Conical surface Flux(120deg): 434.8 lm

%lum = 93.3%

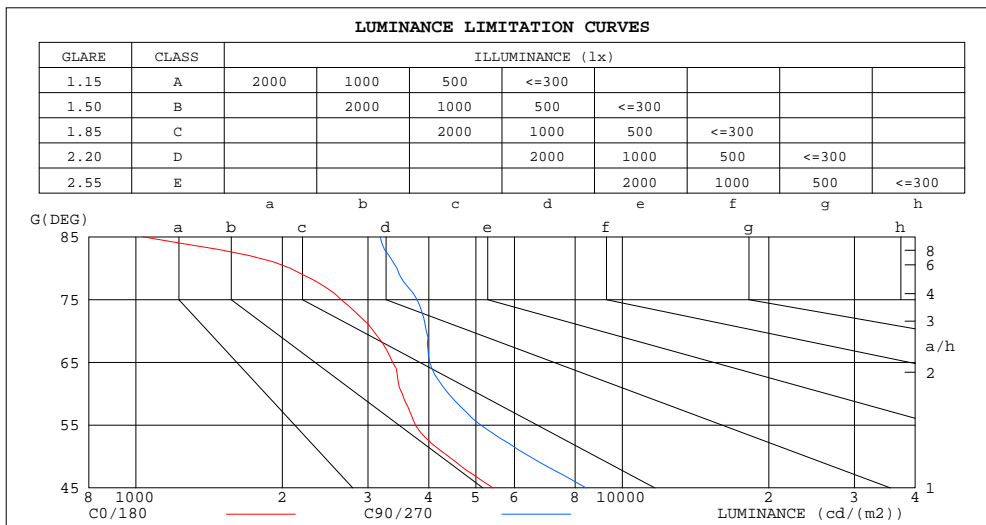
%lamp = 93.3%

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:

LUMINANCE LIMITATION CURVES

Test:U:5.564V I:0.8489A P:4.723W PF:1.000 Freq:0Hz Lamp Flux:466.179x1 lm		
NAME: MR16-5W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1034	3179
80	2076	3441
75	2642	3782
70	3078	3952
65	3371	4020
60	3527	4392
55	3755	5116
50	4393	6449
45	5428	8429

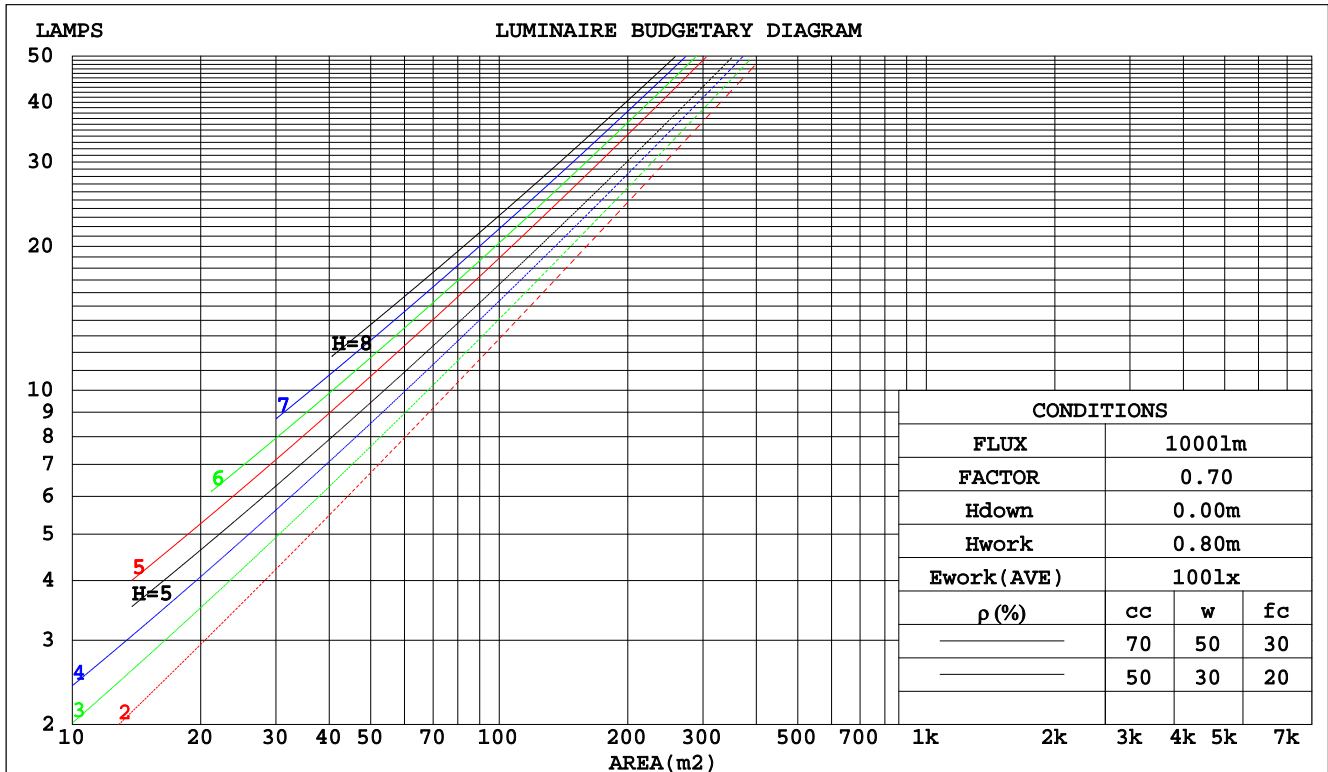
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators:
Test Date: 2019-09-19

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:5.564V I:0.8489A P:4.723W PF:1.000 Freq:0Hz Lamp Flux:466.179x1 lm		
NAME: MR16-5W	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	1.04	1.07	1.04	1.02	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	1.00	.96	.92	.99	.95	.91	.95	.92	.89	.92	.89	.87	.89	.87	.85	.83
3.0	.93	.87	.83	.92	.86	.82	.89	.84	.81	.86	.83	.80	.84	.81	.78	.77
4.0	.86	.80	.76	.85	.80	.75	.83	.78	.74	.81	.77	.73	.79	.75	.72	.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	.63	.59	.58
8.0	.67	.61	.57	.67	.61	.57	.66	.60	.56	.65	.60	.56	.64	.59	.56	.55
9.0	.64	.58	.54	.63	.58	.54	.62	.57	.53	.61	.57	.53	.61	.56	.53	.52
10.0	.61	.55	.51	.60	.55	.51	.59	.54	.51	.59	.54	.50	.58	.53	.50	.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:5.564V I:0.8489A P:4.723W PF:1.000 Freq:0Hz Lamp Flux:466.179x1 lm					
NAME: MR16-5W			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	.205	.117	.037	.198	.113	.036	.185	.106	.034	.173	.100	.032	.162	.094	.030	
2.0	.194	.106	.033	.188	.103	.032	.177	.098	.031	.166	.093	.029	.157	.089	.028	
3.0	.182	.097	.029	.177	.095	.028	.167	.091	.028	.158	.087	.027	.150	.083	.026	
4.0	.170	.089	.026	.166	.087	.026	.158	.084	.025	.150	.080	.024	.143	.078	.024	
5.0	.160	.082	.024	.156	.080	.023	.149	.078	.023	.142	.075	.022	.136	.073	.022	
6.0	.151	.076	.022	.147	.075	.021	.141	.072	.021	.135	.070	.021	.129	.068	.020	
7.0	.143	.070	.020	.140	.070	.020	.134	.068	.019	.129	.066	.019	.124	.064	.019	
8.0	.135	.066	.019	.132	.065	.018	.127	.064	.018	.123	.062	.018	.118	.061	.018	
9.0	.128	.062	.017	.126	.061	.017	.121	.060	.017	.117	.059	.017	.113	.057	.017	
10.0	.122	.059	.016	.120	.058	.016	.116	.057	.016	.112	.056	.016	.108	.055	.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	.152	.139	.127	.104	.096	.088	.060	.055	.051	.019	.018	.016	
2.0	.164	.137	.115	.140	.118	.099	.096	.082	.069	.055	.048	.041	.018	.015	.013	
3.0	.152	.119	.092	.131	.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	.036	.093	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
10.0	.103	.060	.032	.088	.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:2019-09-19

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:5.564V I:0.8489A P:4.723W PF:1.000 Freq:0Hz Lamp Flux:466.179x1 lm											
NAME: MR16-5W					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	17.1	18.1	17.4	18.3	18.5	18.5	19.5	18.7	19.7	19.9	
	3H	18.1	19.0	18.3	19.2	19.4	19.4	20.3	19.6	20.5	
	4H	18.4	19.3	18.7	19.5	19.8	19.8	20.7	20.1	20.9	
	6H	18.6	19.5	18.9	19.7	20.0	20.1	21.0	20.5	21.2	
	8H	18.6	19.5	19.0	19.7	20.0	20.3	21.1	20.6	21.3	
	12H	18.6	19.4	19.0	19.7	20.0	20.3	21.1	20.7	21.4	
4H	2H	17.5	18.4	17.8	18.7	18.9	18.7	19.6	19.0	19.8	
	3H	18.7	19.5	19.0	19.8	20.1	19.8	20.6	20.2	20.9	
	4H	19.2	19.9	19.5	20.2	20.5	20.4	21.1	20.8	21.4	
	6H	19.5	20.1	19.9	20.5	20.8	20.9	21.5	21.2	21.8	
	8H	19.5	20.1	19.9	20.5	20.9	21.0	21.6	21.4	22.0	
	12H	19.5	20.1	19.9	20.4	20.9	21.1	21.7	21.6	22.1	
8H	4H	19.4	20.0	19.8	20.4	20.7	20.5	21.1	20.9	21.5	
	6H	19.8	20.3	20.2	20.7	21.1	21.1	21.6	21.5	22.0	
	8H	19.9	20.3	20.4	20.8	21.2	21.3	21.8	21.8	22.2	
	12H	19.9	20.3	20.4	20.7	21.2	21.5	21.9	22.0	22.3	
12H	4H	19.4	19.9	19.8	20.3	20.7	20.5	21.0	20.9	21.4	
	6H	19.8	20.3	20.3	20.7	21.2	21.1	21.5	21.6	22.0	
	8H	20.0	20.3	20.4	20.8	21.3	21.4	21.7	21.8	22.2	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.5 / - 0.7					+ 0.6 / - 0.6					
1.5H	+ 0.7 / - 0.6					+ 1.1 / - 0.6					
2.0H	+ 0.7 / - 0.6					+ 1.3 / - 0.6					

CIE Pub.117, 466.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.7)

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:5.564V I:0.8489A P:4.723W PF:1.000 Freq:0Hz Lamp Flux:466.179x1 lm		
NAME: MR16-5W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

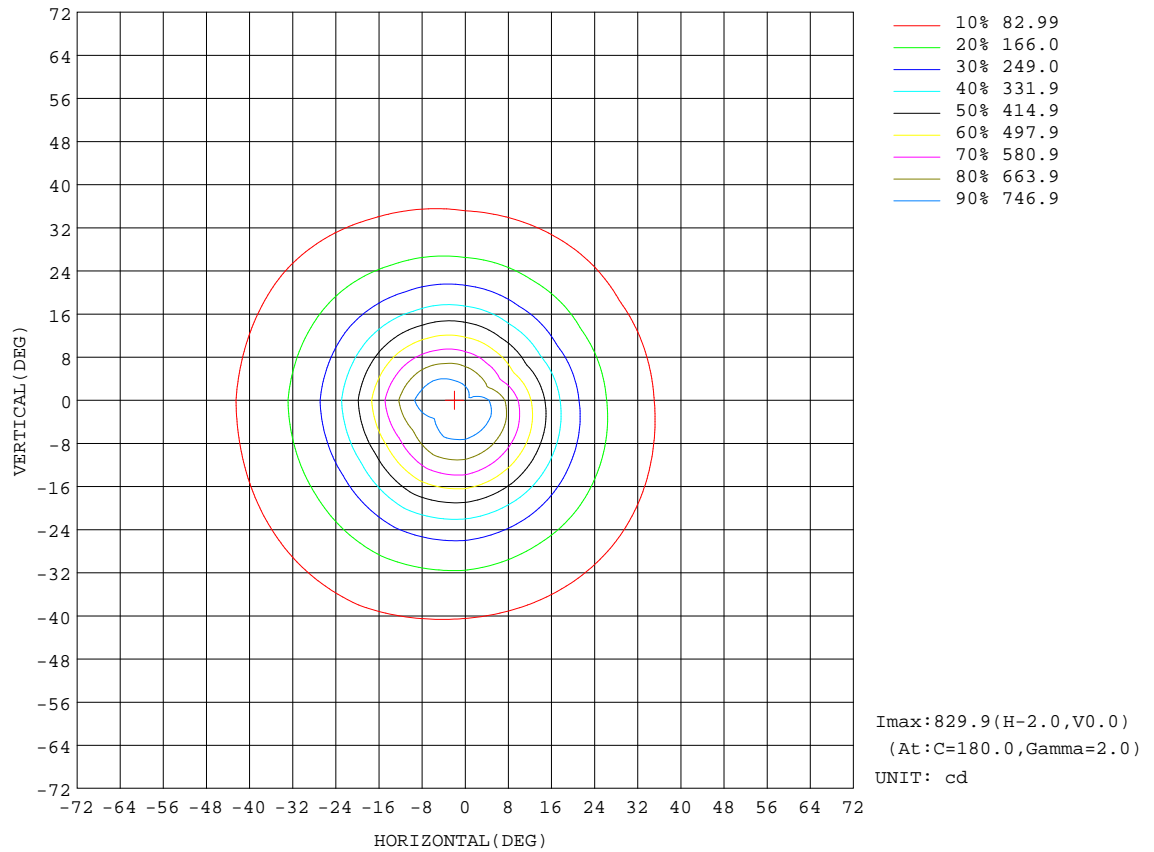
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	79	71	66	78	71	66	77	70	66	62
0.80	87	80	75	86	79	75	85	79	74	70
1.00	93	86	81	92	85	81	90	85	80	75
1.25	98	91	86	96	90	86	94	89	85	80
1.50	101	95	90	100	94	90	97	92	89	83
2.00	105	99	95	103	98	94	100	96	93	87
2.50	107	102	98	105	101	97	102	98	95	89
3.00	109	105	101	107	103	100	103	100	98	91
4.00	112	108	105	109	106	104	105	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:5.564V I:0.8489A P:4.723W PF:1.000 Freq:0Hz Lamp Flux:466.179x1 lm		
NAME: MR16-5W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

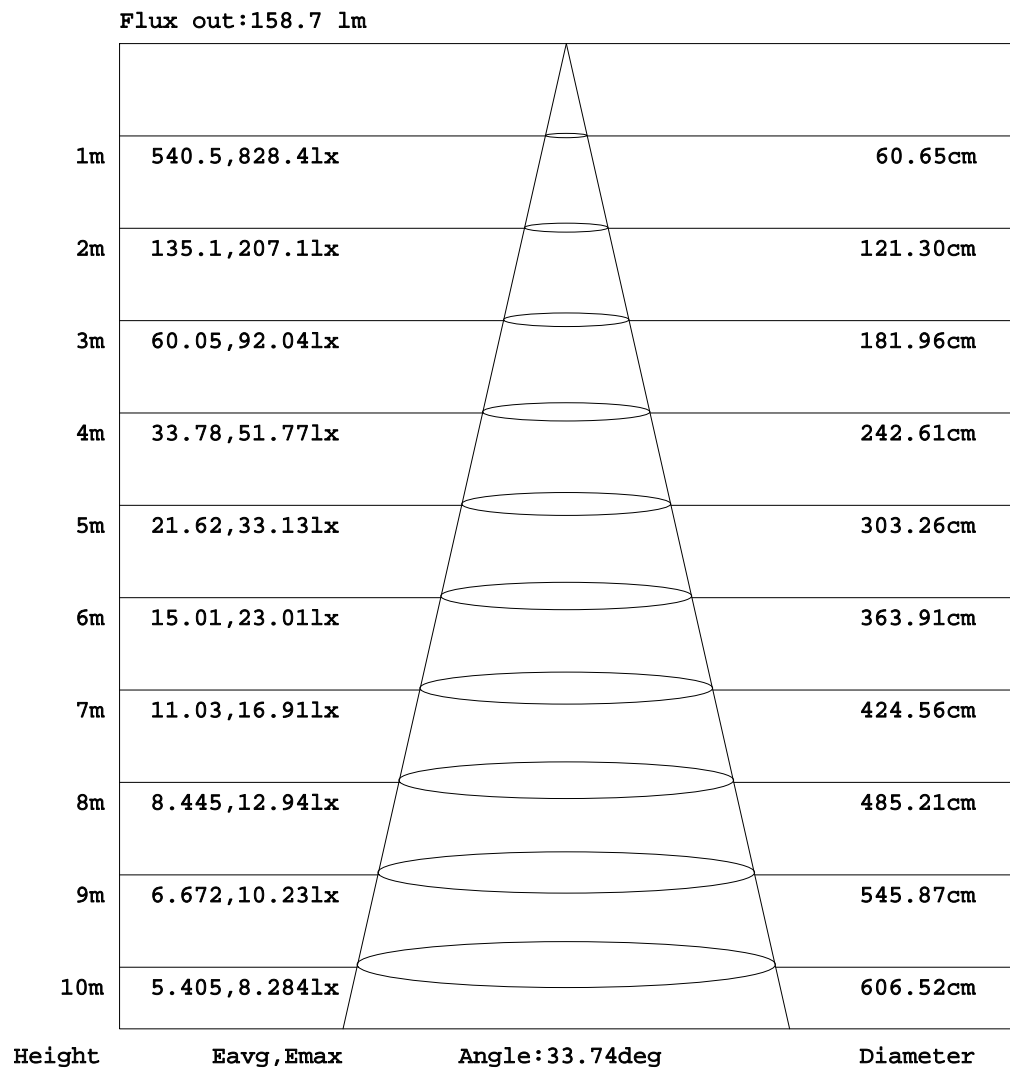


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators:
Test Date: 2019-09-19

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:5.564V I:0.8489A P:4.723W PF:1.000 Freq:0Hz Lamp Flux:466.179x1 lm		
NAME: MR16-5W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



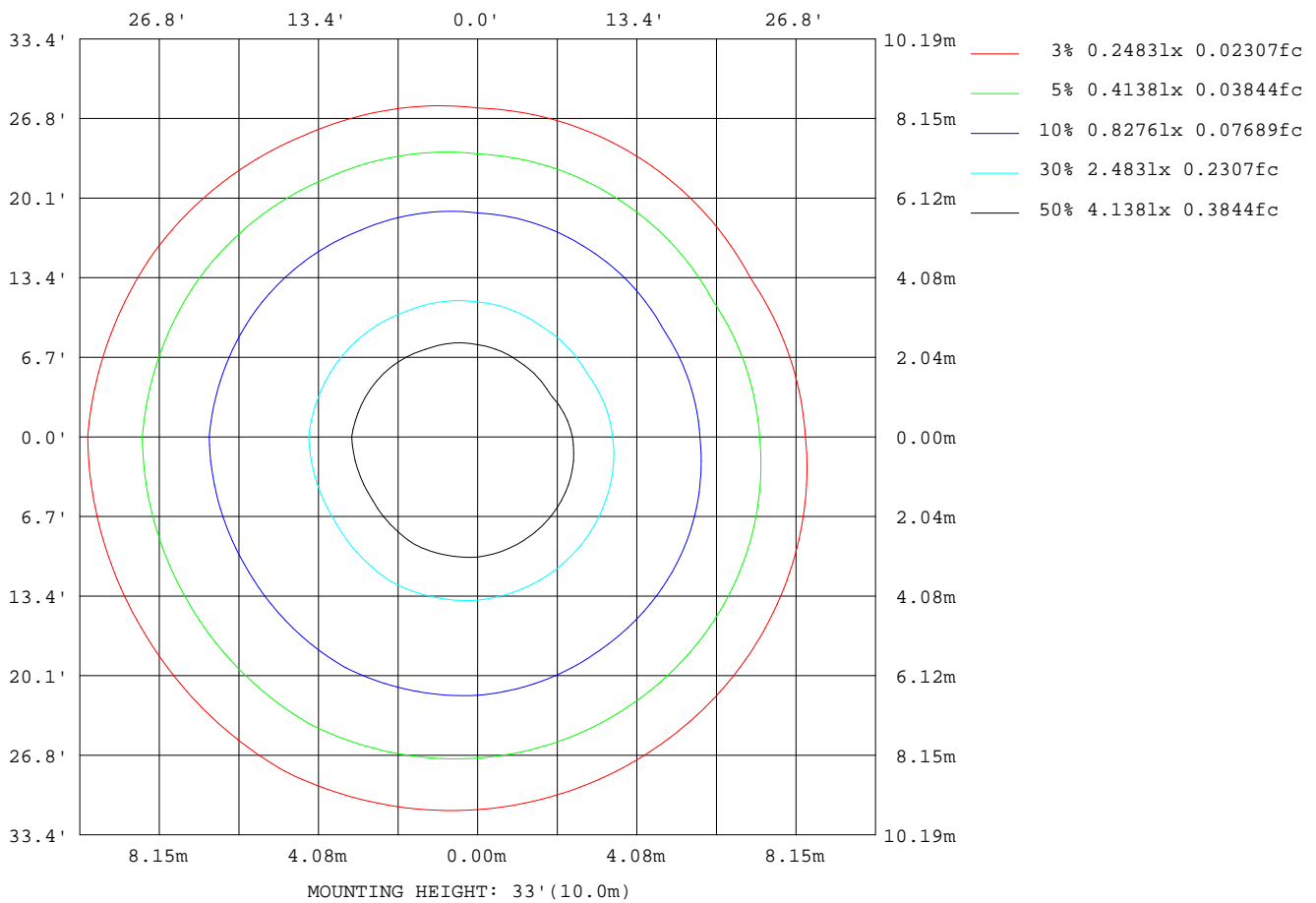
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:5.564V I:0.8489A P:4.723W PF:1.000 Freq:0Hz Lamp Flux:466.179x1 lm		
NAME: MR16-5W	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:5.564V I:0.8489A P:4.723W PF:1.000 Freq:0Hz Lamp Flux:466.179x1 lm		
NAME: MR16-5W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

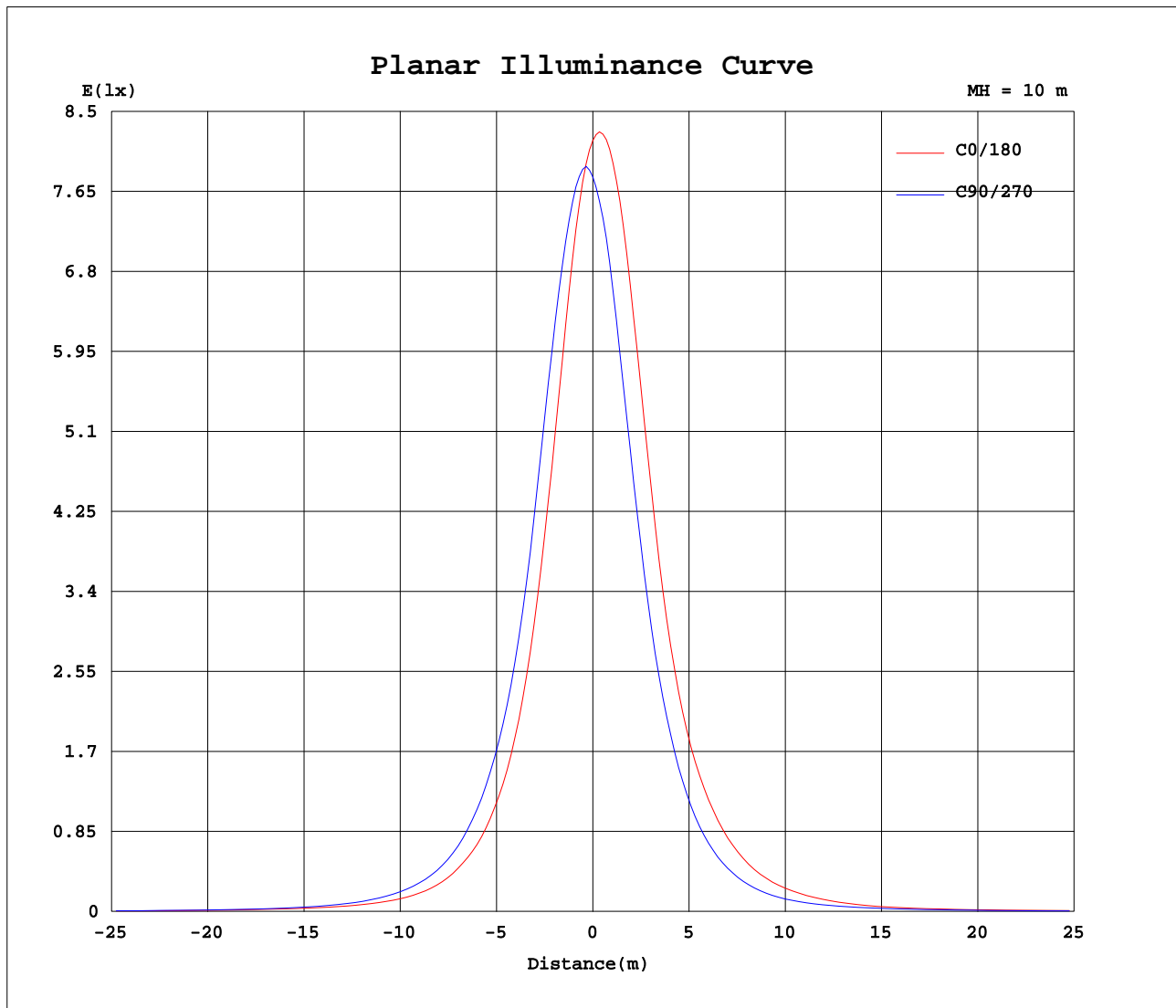
AvgL	cd/m2
L_0~180(65)av	4038
L_0~180(75)av	4006
L_0~180(85)av	3476
L_90~270(65)av	3666
L_90~270(75)av	3168
L_90~270(85)av	2125
L_45(65)av	3782
L_45(75)av	3493
L_45(85)av	2731

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:5.564V I:0.8489A P:4.723W PF:1.000 Freq:0Hz Lamp Flux:466.179x1 lm																	
NAME: MR16-5W									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	819	816	793	780	767	749	819	816	793	780	767	749						
5	733	760	767	779	780	762	819	785	732	697	671	657						
10	573	619	656	689	708	692	732	669	601	549	518	506						
15	407	451	497	544	565	553	578	514	443	398	366	361						
20	273	306	348	385	410	395	411	363	308	274	249	244						
25	182	207	238	267	284	275	285	254	213	187	170	166						
30	122	142	161	186	198	196	203	178	147	125	116	111						
35	83.3	96.2	110	126	139	139	143	124	100	83.9	77.6	73.9						
40	55.3	64.9	75.6	86.1	96.5	97.4	99.4	85.5	68.1	55.9	52.5	48.5						
45	38.4	44.0	50.9	59.6	67.5	67.9	69.9	59.4	46.1	37.7	36.3	33.5						
50	28.2	31.2	35.3	41.5	46.6	47.6	49.3	41.8	33.0	27.3	25.8	24.3						
55	21.5	23.1	25.4	29.3	31.3	31.9	33.3	29.6	24.9	20.9	19.8	19.2						
60	17.6	18.4	19.9	22.0	22.5	23.0	24.4	22.3	20.2	17.0	15.8	16.0						
65	14.2	15.3	16.4	17.0	18.0	18.3	19.9	17.8	16.8	14.0	12.5	13.0						
70	10.5	11.7	13.2	13.5	15.2	15.5	16.7	14.2	13.2	10.3	9.07	9.45						
75	6.84	7.65	9.00	9.79	12.0	12.8	13.9	10.2	8.95	6.61	5.88	6.05						
80	3.60	4.17	5.31	5.98	7.96	8.80	9.56	6.23	4.76	3.48	2.95	2.90						
85	0.90	1.28	2.15	2.77	4.13	4.75	5.16	3.27	2.25	0.93	0.65	0.63						
90	0.00	0.00	0.32	0.73	1.84	1.87	1.91	1.05	0.00	0.00	0.00	0.00						
95	0.00	0.00	0.00	0.00	0.00	0.12	0.23	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	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00						
120	0.11	0.15	0.00	0.02	0.00	0.00	0.00	0.00	0.05	0.01	0.12	0.05						
125	0.30	0.28	0.11	0.15	0.02	0.09	0.08	0.05	0.16	0.15	0.26	0.18						
130	0.52	0.49	0.30	0.29	0.17	0.24	0.21	0.19	0.35	0.33	0.46	0.36						
135	0.78	0.74	0.51	0.50	0.36	0.43	0.41	0.41	0.56	0.55	0.69	0.61						
140	1.10	1.04	0.80	0.77	0.61	0.67	0.65	0.65	0.83	0.83	0.97	0.87						
145	1.41	1.36	1.10	1.06	0.90	0.96	0.94	0.92	1.11	1.10	1.24	1.15						
150	1.69	1.66	1.40	1.36	1.19	1.26	1.23	1.20	1.39	1.38	1.50	1.40						
155	1.92	1.91	1.65	1.64	1.46	1.53	1.50	1.47	1.64	1.59	1.71	1.59						
160	2.08	2.09	1.85	1.86	1.69	1.75	1.76	1.69	1.85	1.79	1.89	1.76						
165	2.18	2.22	2.01	2.02	1.87	1.92	1.95	1.88	2.00	1.92	2.00	1.89						
170	2.22	2.27	2.09	2.14	1.98	2.02	2.12	2.02	2.11	2.00	2.06	1.92						
175	2.26	2.28	2.14	2.15	2.05	2.08	2.21	2.10	2.19	2.05	2.12	1.97						
180	2.27	2.28	2.16	2.16	2.08	2.09	2.28	2.19	2.21	2.15	2.16	2.02						

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