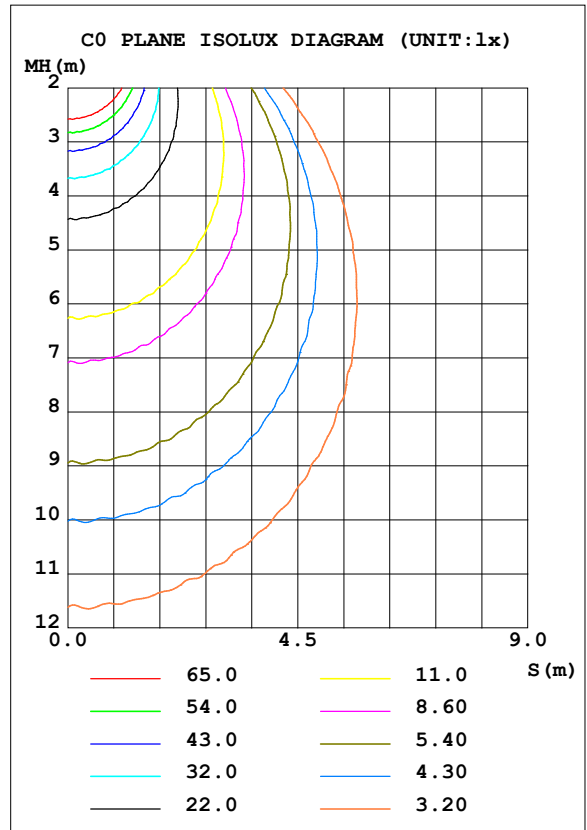
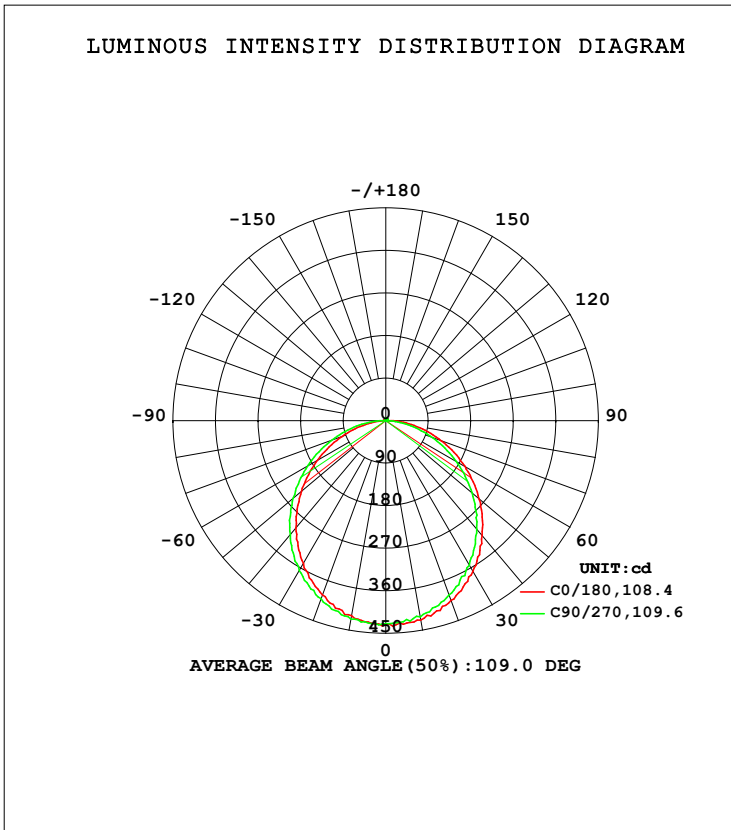


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.06V I:0.1570A P:16.451W PF:0.8727 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: ASD-6D15SM-RGBW-WH-5000K	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:0

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	ASD-6D15SM-RGBW-WH	Imax (cd)	434.8	S/MH (C0/180)	1.21
NOMINAL POWER (W)	15	LOR (%)	110.6	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1116.3	η UP, DN (C0-180)	0.7, 53.2
NOMINAL FLUX (lm)	1100	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 55.9
LAMPS INSIDE	1	η up (%)	1.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	109.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LiFeng Shao
 Test Date: 2024-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 8.898m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

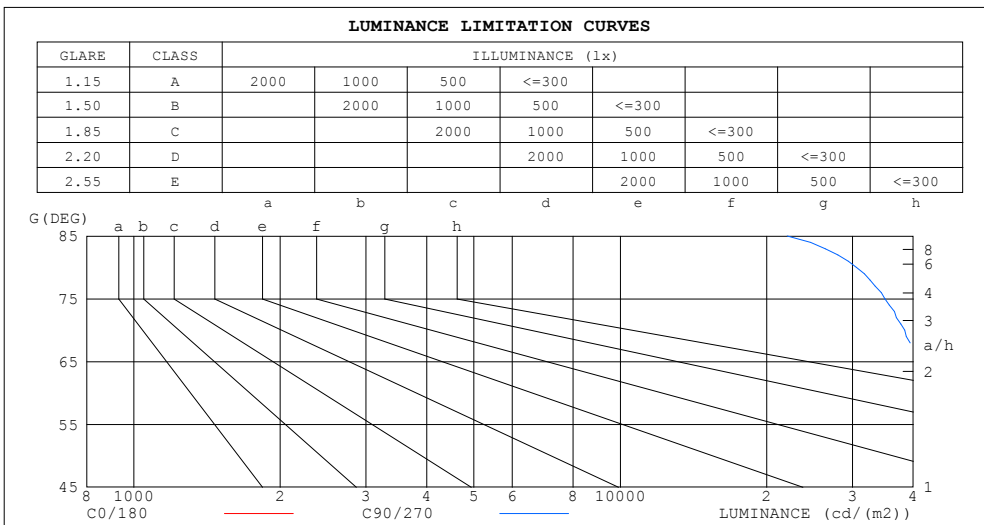
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	428.2	426.5	421.8	414.7	419.1	422.0	426.7	430.4	0- 10	38.21	38.21	3.14,3.47
20	404.3	403.4	391.9	382.4	392.1	390.5	401.1	414.5	10- 20	115.7	153.9	12.7,14
30	368.4	367.2	353.8	337.5	348.7	350.0	366.5	379.0	20- 30	175.1	329.1	27.1,29.9
40	317.9	317.3	299.0	284.2	296.8	294.6	314.7	335.5	30- 40	209.0	538.1	44.2,48.9
50	257.6	257.0	239.0	218.8	232.6	233.6	256.5	275.1	40- 50	214.0	752.1	61.8,68.4
60	193.9	192.5	171.8	152.8	166.0	166.7	189.9	212.0	50- 60	191.1	943.2	77.5,85.7
70	125.1	124.4	105.2	85.66	99.26	99.64	122.9	142.0	60- 70	145.1	1088	89.5,98.9
80	61.40	60.94	42.45	26.50	37.61	38.19	57.44	75.76	70- 80	85.40	1174	96.5,107
90	7.005	6.644	0.2594	0.4156	0.6815	0.7571	2.597	16.89	80- 90	26.43	1200	98.7,109
100	0.5779	0.5617	0.7563	0.9776	1.190	1.212	0.9792	0.8222	90-100	1.433	1202	98.8,109
110	1.248	1.216	1.480	1.729	1.953	1.947	1.677	1.396	100-110	1.277	1203	98.9,109
120	2.032	2.011	2.297	2.551	2.764	2.839	2.504	2.228	110-120	1.973	1205	99.1,110
130	2.838	2.805	3.081	3.314	3.553	3.596	3.331	3.056	120-130	2.516	1207	99.3,110
140	3.513	3.486	3.687	3.941	4.196	4.234	4.007	3.785	130-140	2.735	1210	99.5,110
150	3.947	3.903	4.109	4.298	4.558	4.569	4.385	4.202	140-150	2.557	1213	99.7,110
160	4.169	4.131	4.271	4.401	4.617	4.596	4.445	4.363	150-160	1.999	1215	99.9,110
170	4.493	4.460	4.525	4.611	4.834	4.780	4.716	4.662	160-170	1.270	1216	100,111
180	5.245	5.336	5.353	5.369	5.272	5.309	5.363	5.380	170-180	0.4620	1216	100,111
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiFeng Shao
 Test Date:2024-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.06V I:0.1570A P:16.451W PF:0.8727 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:RGB	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:0



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	46884	22036
80	44201	30559
75	44677	34991
70	45711	38434
65	47203	40909
60	48477	42956
55	49239	44826
50	50096	46471
45	50984	47688

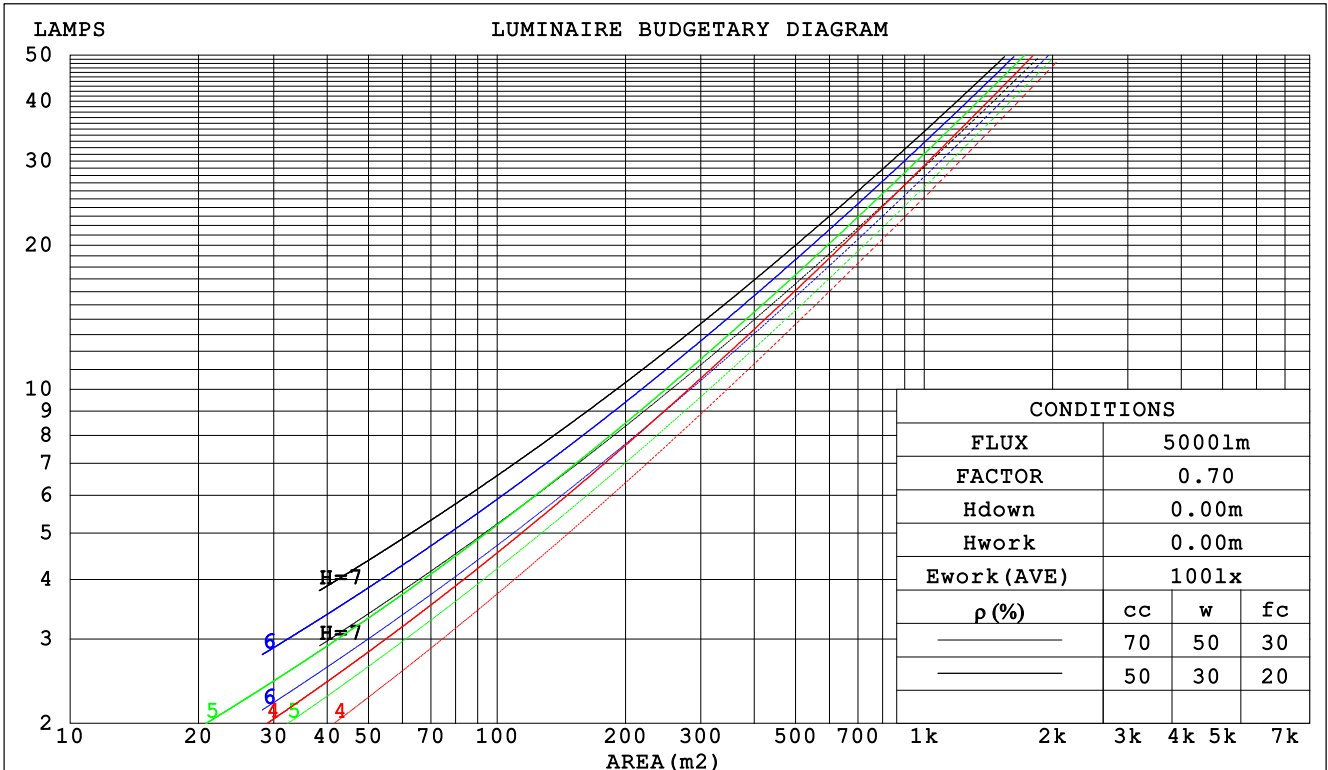
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiFeng Shao
 Test Date:2024-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.06V I:0.1570A P:16.451W PF:0.8727 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:RGB	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:0

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.31	1.31	1.31	1.28	1.28	1.28	1.22	1.22	1.22	1.17	1.17	1.17	1.11	1.11	1.11	1.09
1.0	1.14	1.10	1.05	1.12	1.07	1.03	1.07	1.03	.00	1.02	.99	.97	.98	.96	.93	.91
2.0	.00	.92	.86	.97	.90	.84	.93	.87	.82	.89	.84	.80	.86	.82	.78	.76
3.0	.87	.78	.71	.86	.77	.70	.82	.75	.69	.79	.73	.67	.76	.71	.66	.64
4.0	.77	.68	.60	.76	.67	.60	.73	.65	.59	.70	.63	.58	.68	.62	.57	.54
5.0	.69	.59	.52	.68	.58	.51	.65	.57	.51	.63	.56	.50	.61	.54	.49	.47
6.0	.62	.52	.45	.61	.52	.45	.59	.51	.44	.57	.50	.44	.55	.48	.43	.41
7.0	.56	.47	.40	.55	.46	.40	.54	.45	.39	.52	.44	.39	.50	.44	.38	.36
8.0	.51	.42	.36	.51	.42	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.32
9.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.29
10.0	.44	.35	.29	.43	.35	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.26



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiFeng Shao
 Test Date:2024-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.06V I:0.1570A P:16.451W PF:0.8727 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:RGB	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:0

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	.345	.196	.062	.337	.192	.061	.321	.184	.059	.307	.177	.057	.294	.170	.055	
2.0	.323	.177	.054	.316	.174	.054	.302	.168	.052	.289	.162	.051	.278	.157	.050	
3.0	.298	.159	.048	.292	.156	.047	.280	.152	.046	.269	.147	.045	.258	.143	.044	
4.0	.275	.143	.042	.269	.141	.042	.259	.137	.041	.249	.133	.040	.239	.130	.040	
5.0	.254	.130	.038	.249	.128	.037	.240	.125	.037	.231	.122	.036	.222	.119	.036	
6.0	.236	.118	.034	.231	.117	.034	.223	.114	.033	.215	.111	.033	.207	.109	.032	
7.0	.219	.108	.031	.215	.107	.031	.208	.105	.030	.200	.103	.030	.194	.101	.030	
8.0	.205	.100	.028	.201	.099	.028	.194	.097	.028	.188	.095	.027	.182	.093	.027	
9.0	.192	.093	.026	.189	.092	.026	.182	.090	.026	.177	.089	.025	.171	.087	.025	
10.0	.181	.087	.024	.178	.086	.024	.172	.084	.024	.167	.083	.024	.162	.081	.023	

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	.222	.222	.222	.190	.190	.190	.129	.129	.129	.074	.074	.074	.024	.024	.024	
1.0	.211	.184	.160	.180	.158	.137	.123	.109	.095	.071	.063	.055	.023	.020	.018	
2.0	.202	.157	.120	.173	.135	.103	.119	.094	.072	.068	.054	.042	.022	.018	.014	
3.0	.193	.138	.094	.166	.119	.081	.114	.083	.057	.066	.048	.034	.021	.016	.011	
4.0	.185	.123	.076	.159	.106	.066	.109	.074	.047	.063	.043	.028	.020	.014	.009	
5.0	.177	.112	.064	.152	.097	.055	.104	.068	.039	.061	.040	.023	.020	.013	.008	
6.0	.169	.102	.055	.145	.089	.048	.100	.062	.034	.058	.037	.020	.019	.012	.007	
7.0	.161	.095	.048	.139	.082	.042	.096	.058	.030	.056	.034	.018	.018	.011	.006	
8.0	.154	.088	.043	.133	.077	.038	.092	.054	.027	.053	.032	.016	.017	.010	.005	
9.0	.147	.083	.040	.127	.072	.035	.088	.051	.025	.051	.030	.015	.017	.010	.005	
10.0	.141	.078	.037	.122	.068	.032	.084	.048	.023	.049	.028	.014	.016	.009	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiFeng Shao
 Test Date:2024-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.06V I:0.1570A P:16.451W PF:0.8727 Freq:59.98Hz Lamp Flux:1100x1 lm										
NAME: LED DOWNLIGHT					TYPE:			WEIGHT:		
SPEC.:RGB					DIM.:			SERIAL No.:1		
MFR.: ASD Lighting Corp					SUR.:			Shielding Angle:0		
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	26.1	27.6	26.4	27.8	28.0	25.9	27.4	26.2	27.7	27.9
3H	27.7	29.1	28.0	29.3	29.6	27.4	28.8	27.7	29.0	29.3
4H	28.4	29.7	28.7	30.0	30.3	28.0	29.3	28.3	29.6	29.9
6H	29.0	30.2	29.3	30.5	30.8	28.4	29.6	28.7	29.9	30.2
8H	29.2	30.4	29.5	30.7	31.0	28.5	29.7	28.8	30.0	30.3
12H	29.4	30.5	29.7	30.8	31.2	28.5	29.7	28.9	30.0	30.3
4H 2H	26.7	28.0	27.1	28.3	28.6	26.6	27.9	26.9	28.2	28.5
3H	28.5	29.7	28.9	30.0	30.3	28.3	29.5	28.7	29.8	30.1
4H	29.3	30.4	29.7	30.7	31.1	29.1	30.1	29.5	30.5	30.8
6H	30.0	31.0	30.5	31.4	31.7	29.6	30.6	30.0	30.9	31.3
8H	30.3	31.2	30.8	31.6	32.0	29.8	30.7	30.2	31.1	31.5
12H	30.6	31.4	31.0	31.8	32.2	29.9	30.7	30.4	31.1	31.6
8H 4H	29.7	30.5	30.1	30.9	31.3	29.4	30.3	29.8	30.7	31.1
6H	30.5	31.3	31.0	31.7	32.1	30.2	30.9	30.7	31.4	31.8
8H	30.9	31.6	31.4	32.0	32.5	30.5	31.2	31.0	31.6	32.1
12H	31.3	31.8	31.8	32.3	32.8	30.7	31.3	31.2	31.7	32.3
12H 4H	29.7	30.5	30.1	30.9	31.3	29.4	30.2	29.9	30.7	31.1
6H	30.6	31.3	31.1	31.7	32.2	30.3	30.9	30.8	31.4	31.9
8H	31.1	31.6	31.6	32.1	32.6	30.7	31.2	31.2	31.7	32.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.5				

CIE Pub.117, 1100 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiFeng Shao
 Test Date:2024-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.06V I:0.1570A P:16.451W PF:0.8727 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:RGB	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:0

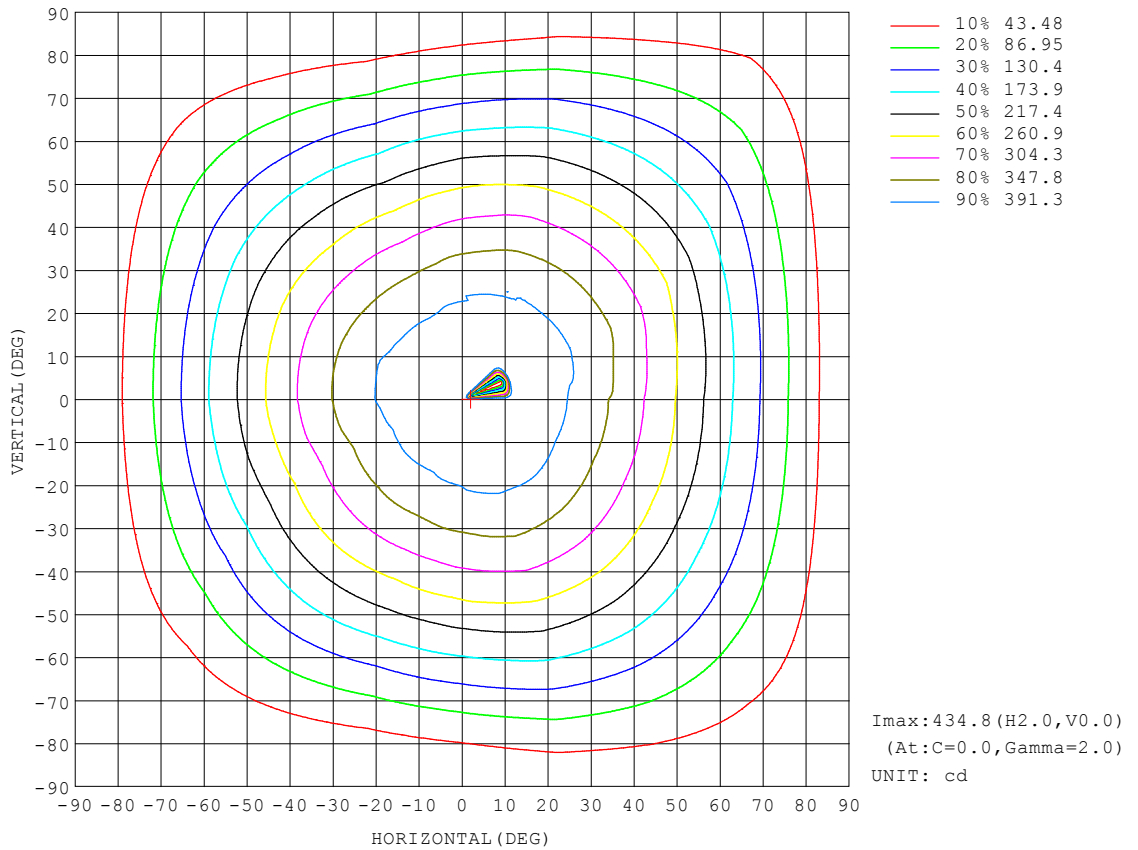
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	63	51	43	62	50	43	61	50	42	35
0.80	74	62	53	73	61	53	71	60	53	45
1.00	84	71	63	82	71	63	80	72	62	54
1.25	91	80	72	90	79	71	87	77	70	62
1.50	97	86	78	95	85	78	91	83	76	68
2.00	104	95	88	102	94	87	98	91	85	76
2.50	109	100	93	106	99	92	102	95	90	81
3.00	113	105	99	110	103	97	105	100	95	85
4.00	117	111	105	114	108	104	109	105	101	90
5.00	120	114	110	117	112	108	112	108	104	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiFeng Shao
 Test Date:2024-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.06V I:0.1570A P:16.451W PF:0.8727 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:RGB	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:0

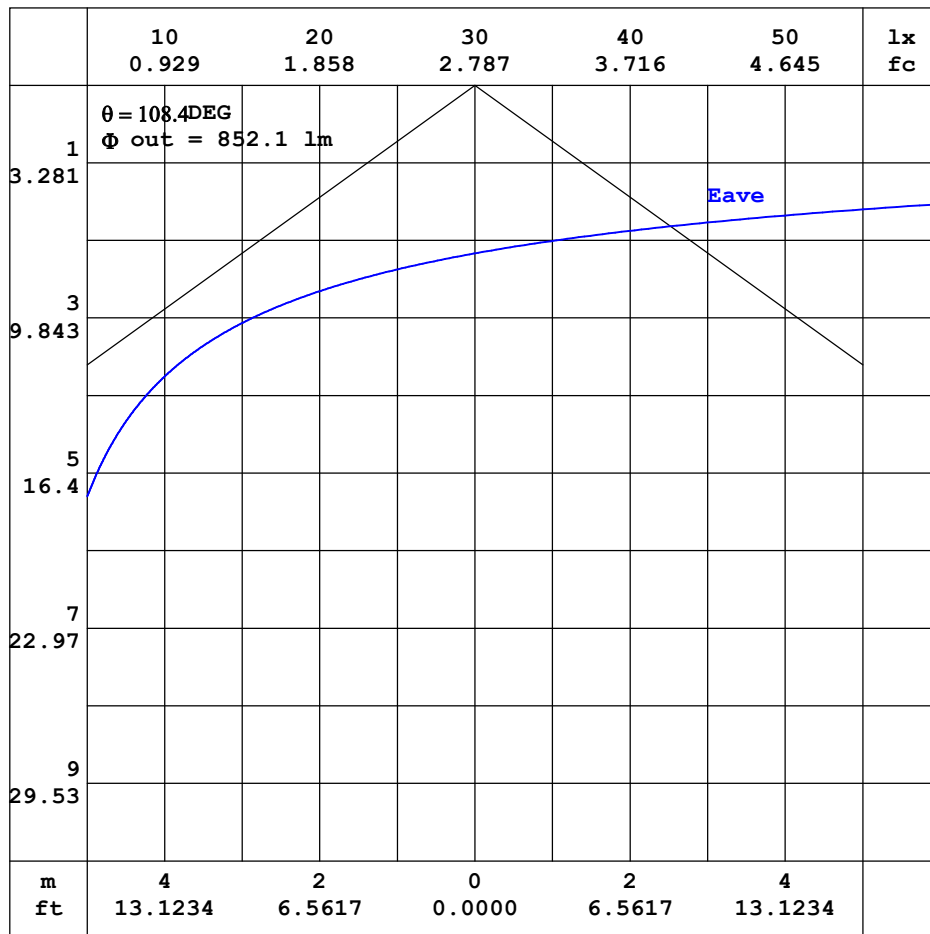


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LiFeng Shao
 Test Date: 2024-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 8.898m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:120.06V I:0.1570A P:16.451W PF:0.8727 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:RGB	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:0



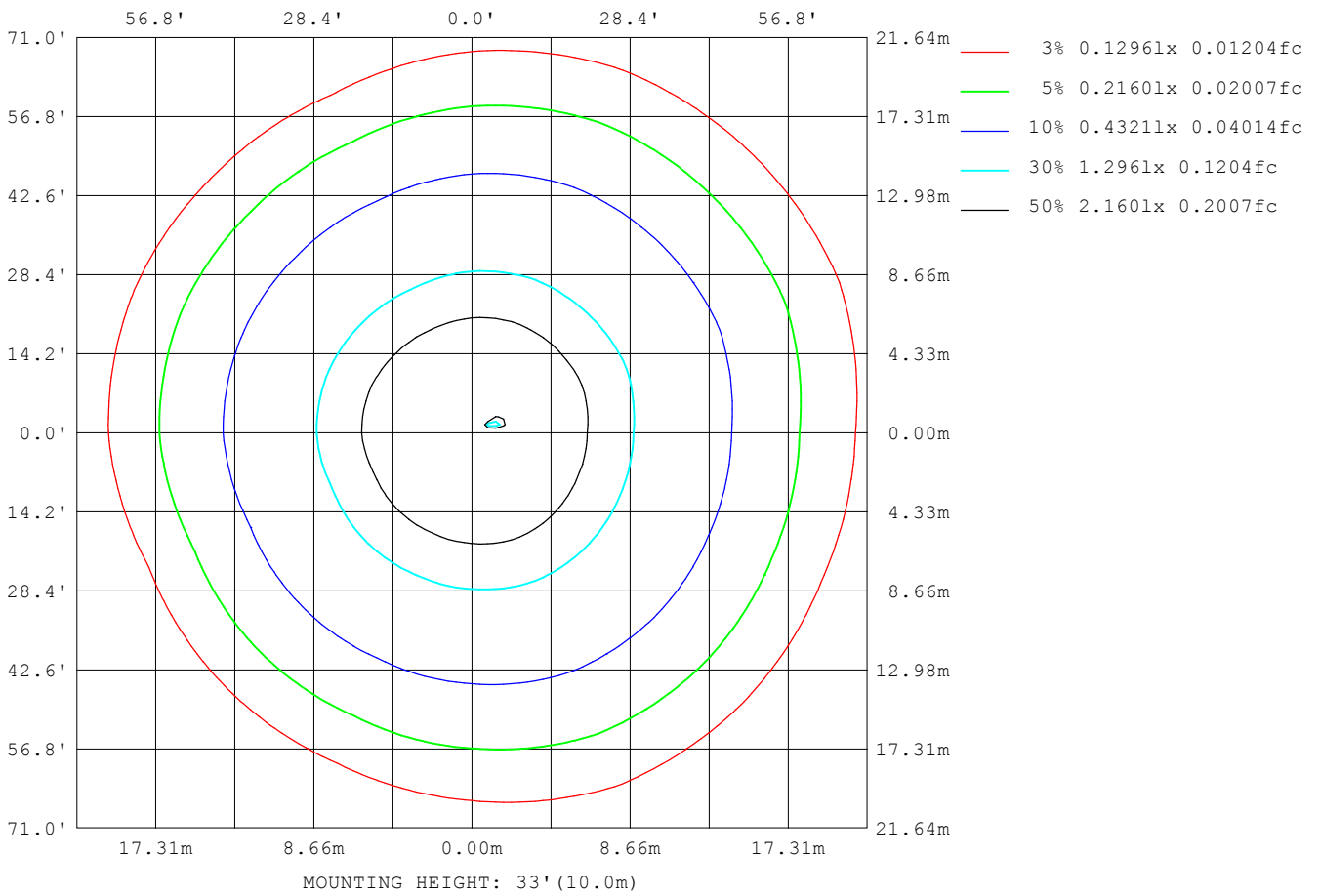
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiFeng Shao
 Test Date:2024-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.06V I:0.1570A P:16.451W PF:0.8727 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:RGB	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:0



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiFeng Shao
 Test Date:2024-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.06V I:0.1570A P:16.451W PF:0.8727 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:RGB	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:0

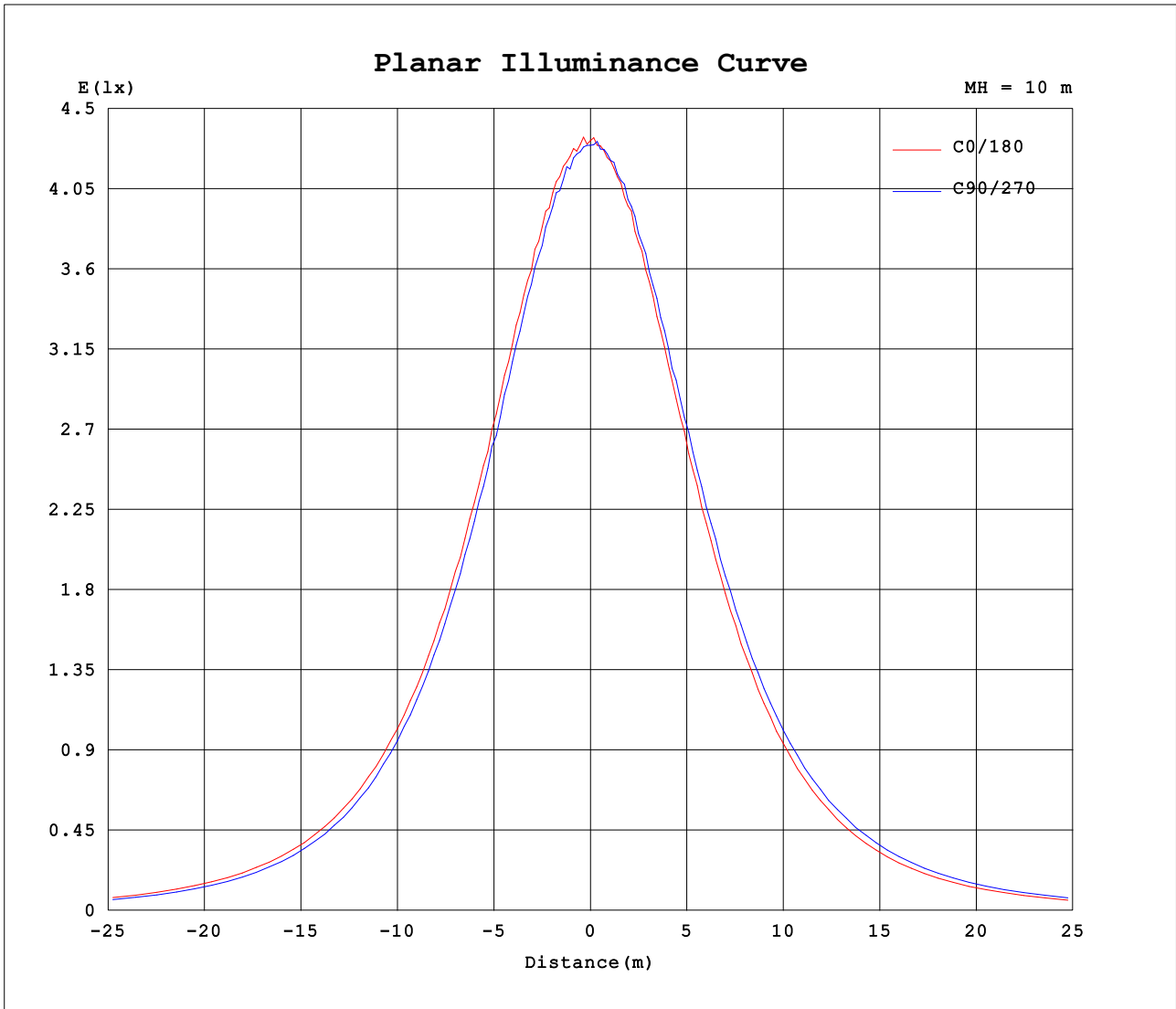
AvgL	cd/m2
L_0~180 (65) av	43230
L_0~180 (75) av	38571
L_0~180 (85) av	31406
L_90~270 (65) av	43495
L_90~270 (75) av	39029
L_90~270 (85) av	31359
L_45 (65) av	43359
L_45 (75) av	39006
L_45 (85) av	32302

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiFeng Shao
 Test Date:2024-04-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:8.898m [K=1.0000]
 Remarks:

Planar Illuminance Curve



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 C Interval: 22.5DEG
 Test Speed: HIGH
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 8.898m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.06V I:0.1570A P:16.451W PF:0.8727 Freq:59.98Hz Lamp Flux:1100x1 lm		
NAME: LED DOWNLIGHT	TYPE:	WEIGHT:
SPEC.:RGB	DIM.:	SERIAL No.:1
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:0

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	432	431	430	430	429	429	432	431	432	431	430	430	429	429	432	431			
5	433	428	431	430	427	427	424	424	427	429	427	427	430	431	434	0.00			
10	428	425	426	424	422	414	415	414	419	421	422	418	427	430	430	0.00			
15	417	417	417	416	408	401	402	402	411	411	407	407	416	423	422	425			
20	404	403	403	403	392	386	382	382	392	392	391	393	401	409	414	414			
25	388	385	387	385	372	364	362	359	372	373	370	374	385	395	399	400			
30	368	364	367	365	354	341	337	335	349	352	350	350	366	379	379	382			
35	346	342	345	342	327	314	312	309	324	327	323	325	341	355	357	361			
40	318	314	317	317	299	287	284	278	297	298	295	296	315	329	335	337			
45	288	284	288	287	270	256	251	246	265	267	264	268	286	302	306	311			
50	258	254	257	256	239	223	219	213	233	236	234	235	256	272	275	280			
55	226	222	225	224	206	190	186	182	200	204	201	203	224	240	243	246			
60	194	189	192	191	172	157	153	148	166	170	167	170	190	206	212	214			
65	160	155	159	158	138	123	118	114	133	135	133	136	156	173	177	180			
70	125	121	124	124	105	89.3	85.7	81.3	99.3	102	99.6	101	123	139	142	146			
75	92.5	88.3	91.9	90.3	72.5	58.4	54.9	50.8	67.2	70.5	68.0	69.9	89.2	105	108	112			
80	61.4	58.3	60.9	59.5	42.5	29.5	26.5	23.2	37.6	41.0	38.2	40.2	57.4	72.3	75.8	78.9			
85	32.7	29.3	32.2	30.6	15.4	4.24	1.92	0.49	11.1	13.7	11.2	12.8	28.4	42.2	44.8	48.3			
90	7.01	4.60	6.64	5.24	0.26	0.37	0.42	0.55	0.68	0.78	0.76	0.78	2.60	14.0	16.9	20.3			
95	0.38	0.37	0.33	0.36	0.46	0.62	0.65	0.77	0.93	0.91	0.96	0.94	0.81	0.74	0.63	0.72			
100	0.58	0.61	0.56	0.59	0.76	0.93	0.98	1.08	1.19	1.17	1.21	1.16	0.98	0.84	0.82	0.75			
105	0.89	0.92	0.86	0.89	1.10	1.30	1.35	1.43	1.53	1.49	1.57	1.52	1.27	1.08	1.02	0.93			
110	1.25	1.28	1.22	1.25	1.48	1.69	1.73	1.80	1.95	1.90	1.95	1.91	1.68	1.42	1.40	1.29			
115	1.62	1.68	1.62	1.66	1.89	2.10	2.15	2.23	2.37	2.34	2.40	2.35	2.08	1.85	1.81	1.72			
120	2.03	2.07	2.01	2.03	2.30	2.52	2.55	2.66	2.76	2.76	2.84	2.81	2.50	2.30	2.23	2.15			
125	2.45	2.50	2.42	2.43	2.69	2.91	2.97	3.03	3.15	3.18	3.24	3.21	2.94	2.72	2.67	2.56			
130	2.84	2.87	2.80	2.82	3.08	3.29	3.31	3.37	3.55	3.55	3.60	3.56	3.33	3.13	3.06	2.98			
135	3.20	3.22	3.16	3.17	3.39	3.63	3.64	3.70	3.89	3.87	3.94	3.91	3.70	3.50	3.45	3.36			
140	3.51	3.53	3.49	3.49	3.69	3.90	3.94	3.99	4.20	4.18	4.23	4.19	4.01	3.82	3.79	3.71			
145	3.77	3.80	3.72	3.75	3.95	4.12	4.13	4.19	4.42	4.45	4.46	4.40	4.26	4.09	4.03	3.98			
150	3.95	3.96	3.90	3.91	4.11	4.24	4.30	4.29	4.56	4.56	4.57	4.56	4.39	4.27	4.20	4.17			
155	4.10	4.08	4.02	4.04	4.19	4.32	4.36	4.38	4.57	4.61	4.63	4.56	4.43	4.35	4.34	4.30			
160	4.17	4.17	4.13	4.13	4.27	4.38	4.40	4.40	4.62	4.57	4.60	4.56	4.44	4.41	4.36	4.35			
165	4.36	4.33	4.27	4.30	4.42	4.49	4.51	4.52	4.67	4.70	4.67	4.62	4.54	4.51	4.47	4.45			
170	4.49	4.50	4.46	4.46	4.53	4.59	4.61	4.68	4.83	4.80	4.78	4.78	4.72	4.68	4.66	4.65			
175	4.84	4.83	4.82	4.79	4.83	4.91	4.95	4.98	5.05	5.04	5.09	5.07	5.06	5.02	5.05	4.98			
180	5.24	5.35	5.34	5.30	5.35	5.40	5.37	5.43	5.27	5.35	5.31	5.30	5.36	5.39	5.38	5.42			

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