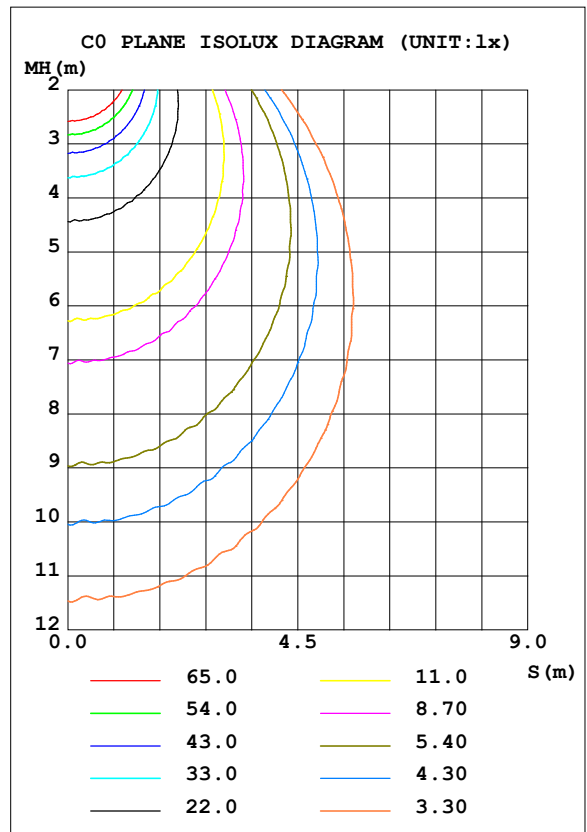
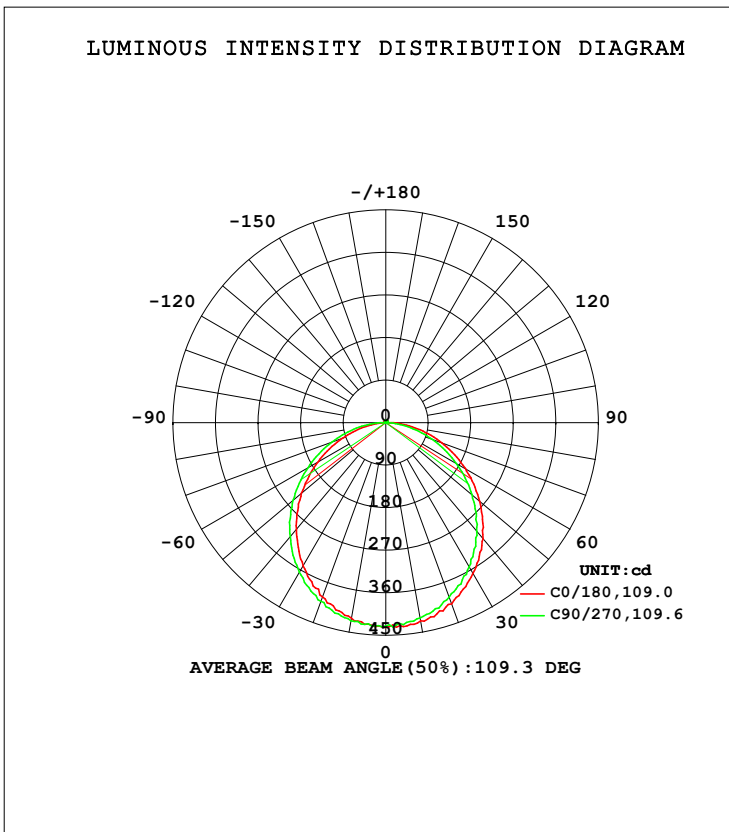


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.07V I:0.1575A P:16.499W PF:0.8725 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

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.13 lm/W			
MODEL: ASD DEER-6D15SM-RGBW-WH-6500K		I <sub>max</sub> (cd)	435.0	S/MH (C0/180)	1.20
NOMINAL POWER (W)	15	LOR (%)	109.7	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1106.6	η UP, DN (C0-180)	0.7, 52.1
NOMINAL FLUX (lm)	1100	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 56.1
LAMPS INSIDE	1	η up (%)	1.5	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	120	η down (%)	108.2	CIBSE SHR MAX	1.05



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:

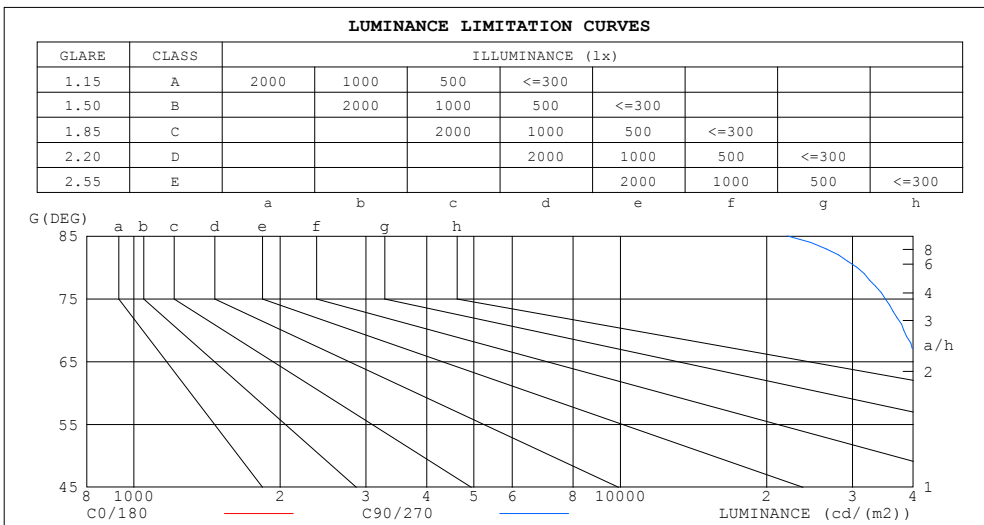
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	426.0	427.9	419.7	415.4	420.3	419.9	425.6	431.7	0- 10	40.74	40.74	3.38,3.7
20	407.8	402.9	393.0	382.5	391.9	391.4	402.1	412.1	10- 20	116.3	157.1	13,14.3
30	368.3	368.9	352.7	338.8	350.4	349.9	365.6	381.6	20- 30	174.3	331.4	27.5,30.1
40	320.7	317.0	300.0	281.1	294.2	294.9	314.7	333.0	30- 40	197.0	528.4	43.8,48
50	258.9	258.1	238.7	220.4	233.2	233.6	256.4	275.5	40- 50	214.1	742.5	61.5,67.5
60	194.7	192.2	171.7	152.2	164.9	166.5	189.9	209.5	50- 60	191.1	933.6	77.4,84.9
70	126.1	125.1	104.7	86.46	98.28	99.20	122.8	142.4	60- 70	145.1	1079	89.4,98.1
80	62.50	61.00	42.58	26.48	36.70	38.10	57.41	75.14	70- 80	85.44	1164	96.5,106
90	7.688	6.713	0.2596	0.4050	0.6978	0.7624	2.560	16.93	80- 90	26.45	1191	98.7,108
100	0.5779	0.5563	0.7563	0.9456	1.195	1.212	1.001	0.8225	90-100	1.442	1192	98.8,108
110	1.232	1.226	1.502	1.761	1.953	1.980	1.688	1.380	100-110	1.279	1193	98.9,108
120	2.010	2.005	2.281	2.567	2.796	2.318	2.504	2.245	110-120	1.972	1195	99.1,109
130	2.837	2.773	3.070	3.308	3.564	3.522	3.331	3.067	120-130	2.351	1198	99.3,109
140	3.487	3.454	3.713	3.941	4.223	4.213	4.017	3.796	130-140	2.733	1200	99.5,109
150	3.963	3.909	4.066	4.287	4.563	4.574	4.380	4.207	140-150	2.554	1203	99.7,109
160	4.190	4.136	4.234	4.385	4.601	4.596	4.434	4.353	150-160	1.997	1205	99.9,110
170	4.498	4.449	0	4.606	4.812	4.780	4.748	4.699	160-170	1.247	1206	100,110
180	5.255	5.293	5.320	5.412	5.250	5.299	5.336	5.363	170-180	0.4607	1207	100,110
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:120.07V I:0.1575A P:16.499W PF:0.8725 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	47659	22059
80	44988	30648
75	45213	35035
70	46090	38260
65	47498	40949
60	48681	42927
55	49544	44688
50	50354	46425
45	51170	47880

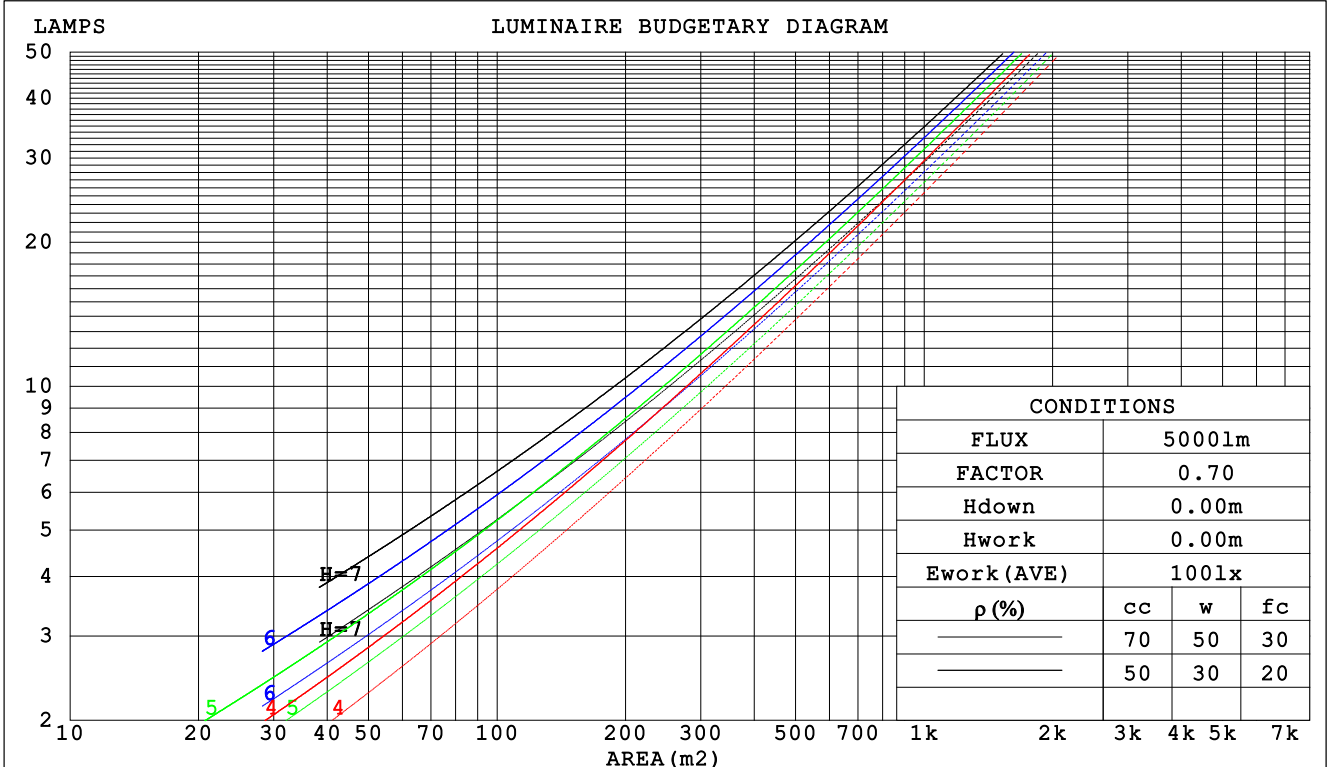
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LiFeng Shao  
 Test Date:2024-04-13

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:120.07V I:0.1575A P:16.499W PF:0.8725 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

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.30	1.30	1.30	1.27	1.27	1.27	1.21	1.21	1.21	1.16	1.16	1.16	1.11	1.11	1.11	1.08
1.0	1.13	1.09	1.04	1.11	1.06	1.03	1.06	1.02	.99	1.01	.98	.96	.97	.95	.93	.90
2.0	.99	.91	.85	.97	.90	.84	.92	.87	.82	.89	.84	.79	.85	.81	.77	.75
3.0	.87	.78	.70	.85	.76	.70	.81	.74	.68	.78	.72	.67	.75	.70	.66	.63
4.0	.77	.67	.60	.75	.66	.59	.72	.64	.58	.70	.63	.57	.67	.61	.56	.54
5.0	.69	.59	.51	.67	.58	.51	.65	.57	.50	.62	.55	.50	.60	.54	.49	.47
6.0	.62	.52	.45	.61	.51	.45	.59	.50	.44	.57	.49	.44	.55	.48	.43	.41
7.0	.56	.46	.40	.55	.46	.39	.53	.45	.39	.52	.44	.39	.50	.43	.38	.36
8.0	.51	.42	.35	.50	.41	.35	.49	.41	.35	.47	.40	.35	.46	.39	.34	.32
9.0	.47	.38	.32	.46	.38	.32	.45	.37	.31	.44	.36	.31	.42	.36	.31	.29
10.0	.43	.35	.29	.43	.34	.29	.42	.34	.29	.40	.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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.07V I:0.1575A P:16.499W PF:0.8725 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	.343	.195	.062	.335	.191	.061	.319	.183	.058	.305	.176	.056	.292	.169	.055	
2.0	.321	.176	.054	.314	.173	.053	.300	.167	.052	.288	.161	.050	.276	.156	.049	
3.0	.296	.158	.047	.290	.155	.047	.278	.151	.046	.267	.146	.045	.256	.142	.044	
4.0	.273	.142	.042	.267	.140	.041	.257	.136	.041	.247	.132	.040	.237	.129	.039	
5.0	.252	.129	.037	.247	.127	.037	.238	.124	.036	.229	.121	.036	.220	.118	.035	
6.0	.234	.117	.034	.229	.116	.033	.221	.113	.033	.213	.111	.032	.205	.108	.032	
7.0	.217	.108	.030	.213	.106	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	
8.0	.203	.099	.028	.199	.098	.028	.193	.096	.027	.186	.094	.027	.180	.092	.027	
9.0	.190	.092	.026	.187	.091	.026	.181	.089	.025	.175	.088	.025	.169	.086	.025	
10.0	.179	.086	.024	.176	.085	.024	.170	.083	.023	.165	.082	.023	.160	.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	.220	.220	.220	.188	.188	.188	.128	.128	.128	.074	.074	.074	.024	.024	.024	
1.0	.209	.182	.158	.179	.157	.136	.122	.108	.094	.070	.062	.055	.023	.020	.018	
2.0	.200	.156	.119	.172	.134	.103	.118	.093	.072	.068	.054	.042	.022	.017	.014	
3.0	.192	.137	.093	.164	.118	.080	.113	.082	.056	.065	.048	.033	.021	.016	.011	
4.0	.183	.122	.075	.157	.106	.065	.108	.074	.046	.063	.043	.027	.020	.014	.009	
5.0	.175	.111	.063	.150	.096	.055	.104	.067	.039	.060	.039	.023	.019	.013	.008	
6.0	.167	.102	.054	.144	.088	.047	.099	.062	.034	.058	.036	.020	.019	.012	.007	
7.0	.160	.094	.048	.137	.082	.042	.095	.057	.030	.055	.034	.018	.018	.011	.006	
8.0	.153	.088	.043	.131	.076	.038	.091	.053	.027	.053	.032	.016	.017	.010	.005	
9.0	.146	.082	.039	.126	.071	.034	.087	.050	.024	.051	.030	.014	.016	.010	.005	
10.0	.140	.078	.036	.120	.067	.032	.084	.047	.022	.049	.028	.013	.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:120.07V I:0.1575A P:16.499W PF:0.8725 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	26.0	27.5	26.3	27.8	28.0	26.0	27.5	26.3	27.7	27.9
3H	27.7	29.1	28.0	29.3	29.6	27.4	28.8	27.8	29.1	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	28.8	29.9	30.3
8H	29.2	30.4	29.6	30.7	31.0	28.5	29.7	28.9	30.0	30.3
12H	29.4	30.6	29.8	30.9	31.2	28.6	29.7	28.9	30.0	30.4
4H 2H	26.7	28.0	27.0	28.3	28.6	26.6	28.0	27.0	28.2	28.5
3H	28.5	29.7	28.9	30.0	30.3	28.4	29.5	28.7	29.8	30.2
4H	29.3	30.4	29.7	30.7	31.1	29.1	30.2	29.5	30.5	30.9
6H	30.1	31.0	30.5	31.4	31.8	29.7	30.6	30.1	31.0	31.4
8H	30.4	31.2	30.8	31.6	32.0	29.8	30.7	30.3	31.1	31.5
12H	30.6	31.4	31.1	31.8	32.3	29.9	30.7	30.4	31.2	31.6
8H 4H	29.7	30.5	30.1	30.9	31.3	29.4	30.3	29.9	30.7	31.1
6H	30.6	31.3	31.0	31.7	32.2	30.2	31.0	30.7	31.4	31.8
8H	31.0	31.6	31.4	32.0	32.5	30.5	31.2	31.0	31.6	32.1
12H	31.3	31.9	31.8	32.3	32.8	30.8	31.3	31.3	31.8	32.3
12H 4H	29.7	30.5	30.1	30.9	31.3	29.5	30.3	29.9	30.7	31.1
6H	30.6	31.3	31.1	31.7	32.2	30.3	31.0	30.8	31.4	31.9
8H	31.1	31.7	31.6	32.1	32.6	30.7	31.3	31.2	31.7	32.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.1					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.5					+ 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:120.07V I:0.1575A P:16.499W PF:0.8725 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

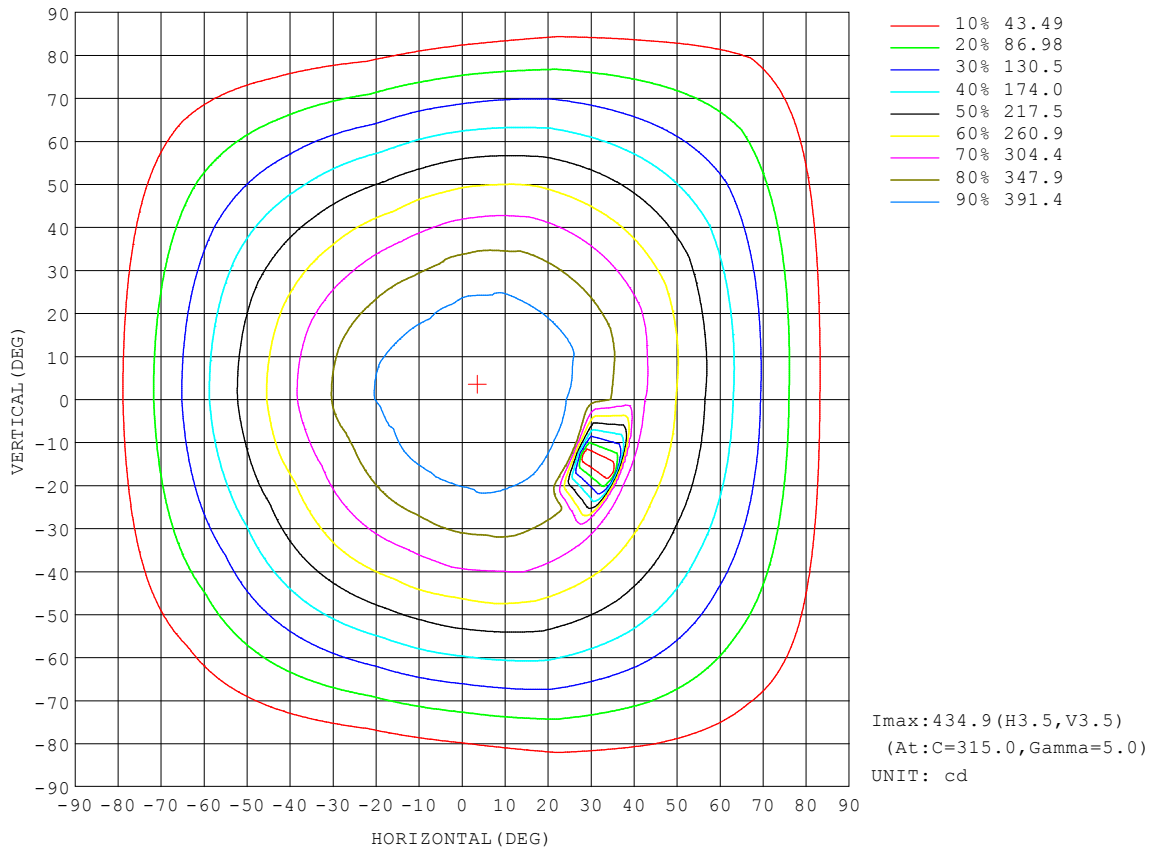
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	63	50	42	62	49	42	60	49	42	35
0.80	74	61	53	72	60	52	70	59	52	44
1.00	83	70	62	81	70	62	79	71	61	53
1.25	90	79	71	89	78	70	86	76	70	61
1.50	96	85	77	94	84	77	91	82	75	67
2.00	104	94	87	101	93	86	97	90	84	75
2.50	108	99	92	105	98	91	101	94	89	80
3.00	112	104	98	109	102	96	104	99	94	84
4.00	116	110	104	113	108	103	108	104	100	89
5.00	119	113	109	116	111	107	111	107	103	93
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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.07V I:0.1575A P:16.499W PF:0.8725 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

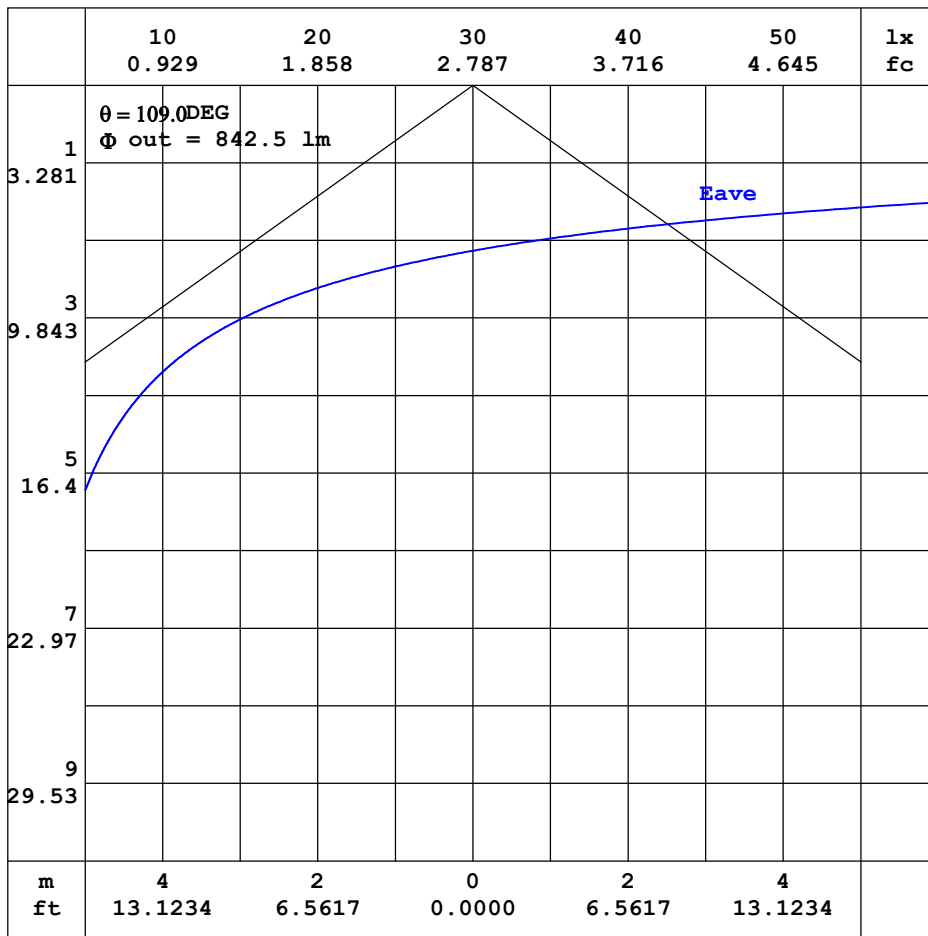


C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LiFeng Shao  
 Test Date: 2024-04-13

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:120.07V I:0.1575A P:16.499W PF:0.8725 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



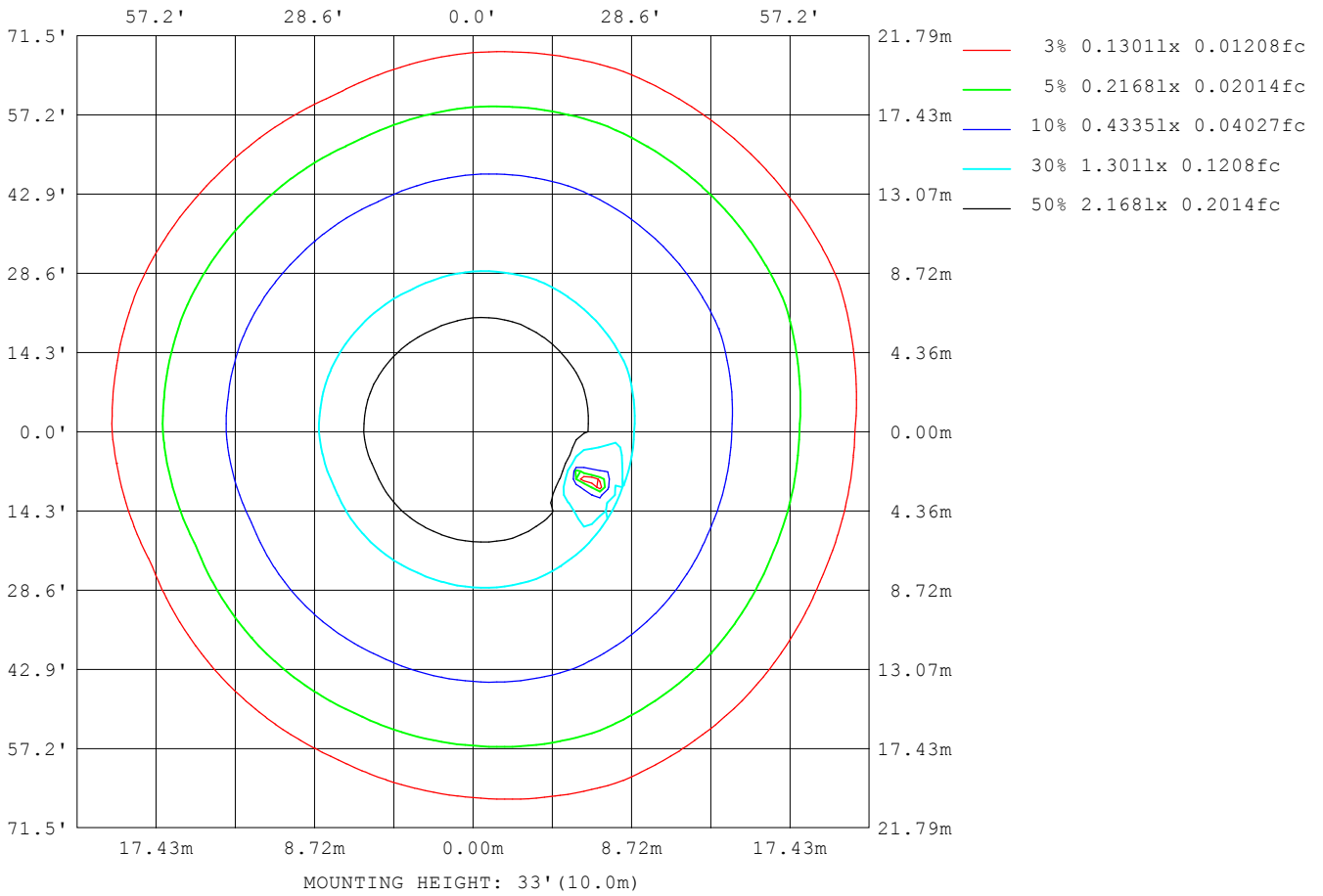
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.07V I:0.1575A P:16.499W PF:0.8725 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:120.07V I:0.1575A P:16.499W PF:0.8725 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

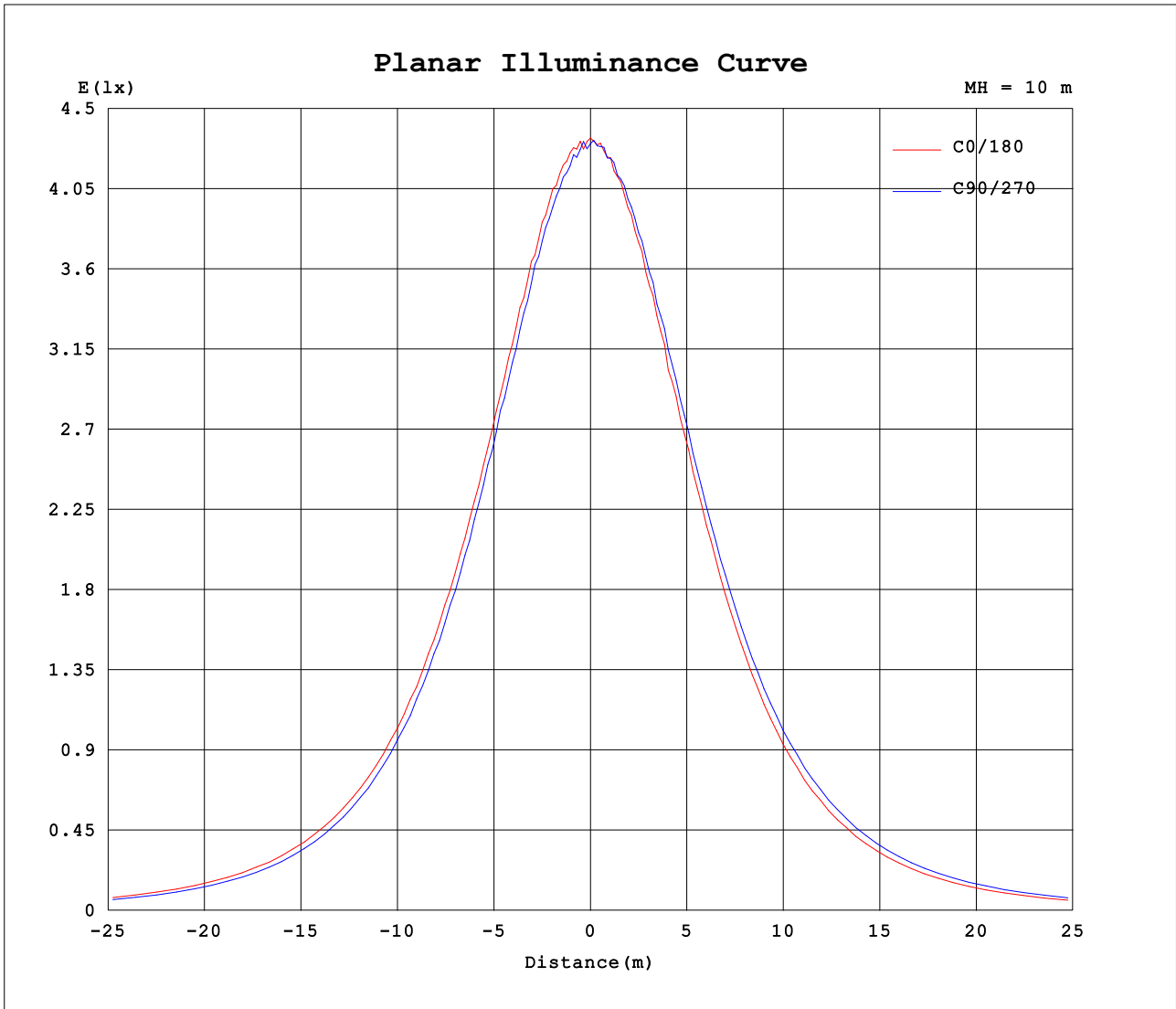
AvgL	cd/m2
L_0~180 (65) av	43223
L_0~180 (75) av	38625
L_0~180 (85) av	31281
L_90~270 (65) av	43527
L_90~270 (75) av	39029
L_90~270 (85) av	31378
L_45 (65) av	43414
L_45 (75) av	38974
L_45 (85) av	32242

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



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

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:120.07V I:0.1575A P:16.499W PF:0.8725 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	434	432	430	430	430	428	429	432	434	432	430	430	430	428	429	432			
5	433	429	431	430	429	426	423	424	428	429	426	426	427	430	435	434			
10	426	424	428	426	420	415	415	416	420	423	420	421	426	429	432	432			
15	418	421	416	415	407	401	399	400	410	409	407	406	417	422	424	426			
20	408	403	403	401	393	383	382	380	392	393	391	392	402	412	412	415			
25	389	385	388	388	377	367	362	359	371	375	371	373	385	394	401	403			
30	368	123	369	366	353	342	339	337	350	354	350	353	366	376	382	383			
35	345	0.00	342	342	327	315	313	308	323	326	323	324	343	355	358	361			
40	321	314	317	314	300	284	281	277	294	298	295	298	315	331	333	337			
45	289	285	290	289	271	257	252	246	263	268	263	268	286	303	307	311			
50	259	255	258	256	239	224	220	215	233	238	234	236	256	271	276	279			
55	227	222	224	224	205	190	187	181	199	203	201	203	223	240	243	247			
60	195	188	192	191	172	156	152	147	165	169	167	169	190	206	209	215			
65	161	155	159	158	138	123	119	114	132	136	133	136	156	173	177	180			
70	126	122	125	123	105	90.0	86.5	81.8	98.3	103	99.2	102	123	139	142	146			
75	93.6	88.5	92.0	90.1	72.5	58.1	55.0	50.7	66.3	70.5	67.8	69.8	89.1	104	108	112			
80	62.5	58.0	61.0	59.8	42.6	29.7	26.5	23.1	36.7	40.9	38.1	40.1	57.4	72.1	75.1	79.5			
85	33.2	29.2	32.3	30.5	15.4	4.24	1.93	0.47	10.4	13.9	11.1	12.8	28.4	41.9	44.6	48.6			
90	7.69	4.47	6.71	5.28	0.26	0.37	0.41	0.56	0.70	0.72	0.76	0.80	2.56	14.2	16.9	20.4			
95	0.36	0.38	0.33	0.35	0.47	0.62	0.66	0.78	0.93	0.89	0.95	0.95	0.82	0.74	0.65	0.72			
100	0.58	0.62	0.56	0.60	0.76	0.93	0.95	1.08	1.20	1.17	1.21	1.15	1.00	0.84	0.82	0.75			
105	0.86	0.92	0.86	0.90	1.09	1.29	1.34	1.44	1.57	1.51	1.57	1.51	1.27	1.08	1.04	0.93			
110	1.23	1.28	1.23	1.24	1.50	1.71	1.76	1.83	1.95	1.90	1.98	1.91	1.69	1.43	1.38	1.31			
115	1.64	1.68	1.59	1.62	1.90	2.11	2.12	2.22	2.39	2.34	2.39	2.36	2.08	1.85	1.81	1.72			
120	2.01	2.08	2.00	2.06	2.28	2.50	2.57	2.64	2.80	2.78	2.32	2.81	2.50	2.29	2.24	2.14			
125	2.44	2.48	2.43	2.44	2.69	2.93	2.96	3.03	3.17	3.18	0.00	3.19	2.94	2.70	2.66	2.57			
130	2.84	2.89	2.77	2.81	3.07	3.29	3.31	3.39	3.56	3.52	3.52	3.56	3.33	3.15	3.07	2.98			
135	3.18	3.21	3.15	3.13	3.41	3.61	3.65	3.69	3.91	3.87	3.95	3.90	3.70	3.49	3.46	3.37			
140	3.49	3.52	3.45	3.47	3.71	3.89	3.94	3.98	4.22	4.18	4.21	4.21	4.02	3.82	3.80	3.71			
145	3.75	3.78	3.70	3.71	3.94	4.09	4.12	4.17	4.46	4.42	4.43	4.40	4.26	4.11	4.04	4.00			
150	3.96	3.96	3.91	3.91	4.07	4.25	4.29	4.30	4.56	4.55	4.57	4.53	4.38	4.27	4.21	4.17			
155	4.08	4.07	4.03	4.07	4.20	4.30	4.35	4.40	4.59	4.60	4.63	4.58	4.45	4.34	4.33	4.30			
160	4.19	4.17	4.14	4.11	4.23	4.37	4.38	4.47	4.60	4.59	4.60	4.54	4.43	4.39	4.35	4.32			
165	4.36	4.34	4.31	4.29	4.40	4.50	4.51	4.53	4.69	4.69	4.68	4.61	4.54	4.49	4.46	4.43			
170	4.50	4.51	4.45	4.43	0.00	4.58	4.61	4.65	4.81	4.82	4.78	4.78	4.75	4.71	4.70	4.67			
175	4.84	4.83	4.80	4.80	4.83	4.90	4.95	4.99	5.05	5.07	5.09	5.09	5.03	5.03	5.02	5.02			
180	5.26	5.35	5.29	5.29	5.32	5.39	5.41	5.43	5.25	5.33	5.30	5.29	5.34	5.36	5.36	5.39			

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