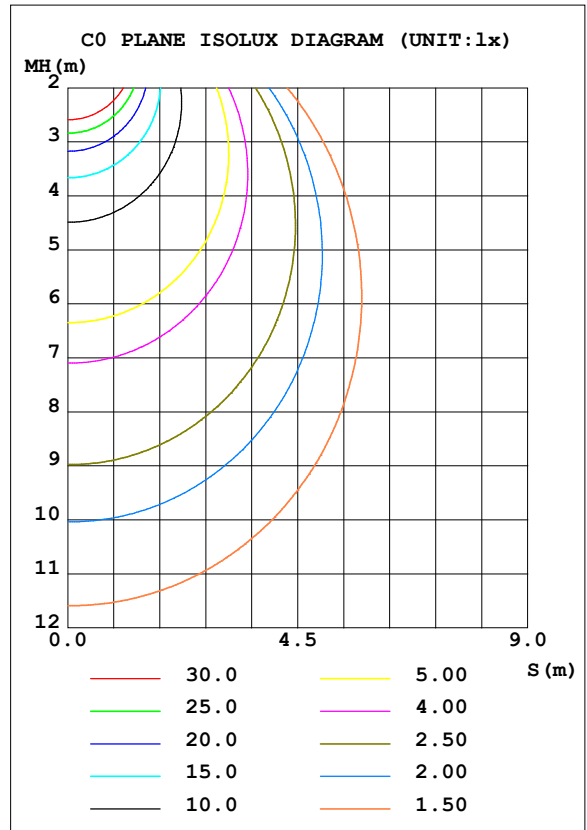
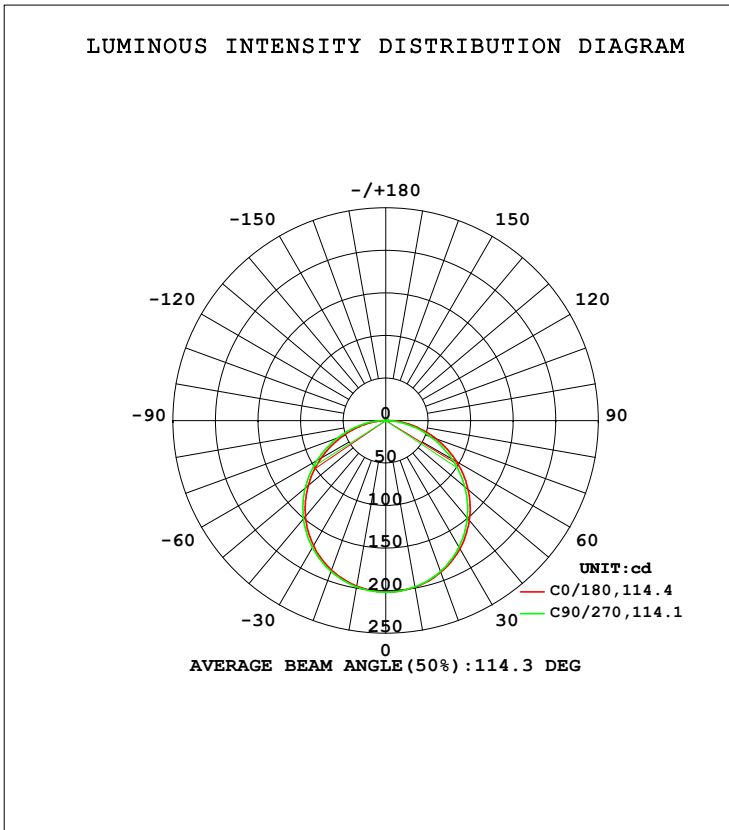


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.13V I:0.0623A P:7.3330W PF:0.9797 Freq:59.98Hz Lamp Flux:600.18 lm		
NAME: ASD-JBS-3D8WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:0

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.85 lm/W			
MODEL	ASD-JBS-3D8WH	I _{max} (cd)	201.8	S/MH (C0/180)	1.25
NOMINAL POWER (W)	8	LOR (%)	91.5	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	600.18	η UP, DN (C0-180)	0.5, 45.2
NOMINAL FLUX (lm)	600.18	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 45.3
LAMPS INSIDE	1	η up (%)	1.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	90.4	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 9.498m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

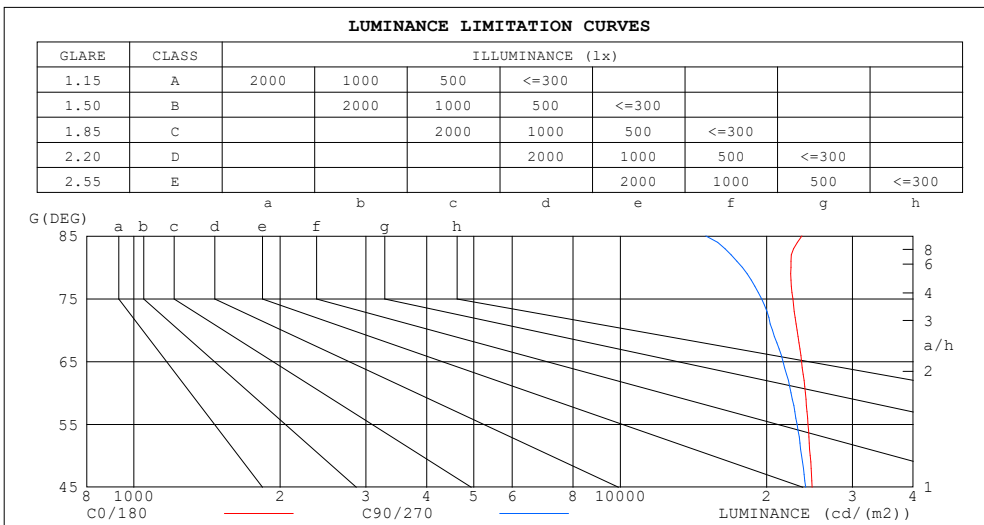
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	198.8	198.9	198.5	198.0	197.5	197.9	198.4	198.9	0- 10	19.09	19.09	3.18,2.91
20	189.6	189.5	188.6	187.6	186.9	187.5	188.5	189.5	10- 20	54.83	73.93	12.3,11.3
30	174.3	173.7	172.0	170.6	169.8	170.7	172.4	173.9	20- 30	83.48	157.4	26.2,24
40	153.0	151.9	149.4	147.5	146.9	148.1	150.5	152.4	30- 40	101.2	258.6	43.1,39.4
50	126.4	124.6	121.4	119.2	119.0	120.6	123.7	125.9	40- 50	105.5	364.1	60.7,55.5
60	96.07	93.63	89.78	87.39	87.43	89.50	93.09	95.50	50- 60	96.01	460.1	76.7,70.1
70	63.23	60.25	56.25	53.76	54.10	56.47	60.51	62.97	60- 70	74.26	534.4	89,81.5
80	31.16	28.22	24.77	22.58	22.91	25.05	28.87	30.98	70- 80	44.71	579.1	96.5,88.3
90	3.258	0.3774	0.3328	0.4067	0.4069	0.3697	1.764	3.421	80- 90	14.00	593.1	98.8,90.4
100	0.2893	0.3940	0.4863	0.5911	0.8687	0.5793	0.4869	0.4192	90-100	0.4790	593.6	98.9,90.5
110	0.5787	0.7019	0.8067	0.9420	1.029	0.9243	0.7829	0.7088	100-110	0.6822	594.3	99,90.6
120	0.9236	1.010	1.164	1.263	1.362	1.251	1.128	1.023	110-120	0.9655	595.3	99.2,90.7
130	1.219	1.306	1.466	1.515	1.639	1.540	1.430	1.294	120-130	1.150	596.4	99.4,90.9
140	1.435	1.552	1.694	1.725	1.836	1.762	1.670	1.516	130-140	1.193	597.6	99.6,91.1
150	1.559	1.694	1.842	1.854	1.940	1.867	1.762	1.614	140-150	1.083	598.7	99.8,91.3
160	1.577	1.756	1.885	1.916	1.959	1.867	1.700	1.639	150-160	0.8249	599.5	99.9,91.4
170	1.565	1.756	1.885	1.934	1.959	1.811	1.651	1.638	160-170	0.5053	600.0	100,91.5
180	1.577	1.577	1.577	1.583	1.589	1.589	1.589	1.583	170-180	0.1654	600.2	100,91.5
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:9.498m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.13V I:0.0623A P:7.3330W PF:0.9797 Freq:59.98Hz Lamp Flux:600.18 lm		
NAME: ASD-JBS-3D8WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:0



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	23641	14990
80	22427	17833
75	22634	19527
70	23110	20557
65	23586	21600
60	24018	22445
55	24331	23085
50	24577	23603
45	24794	24047

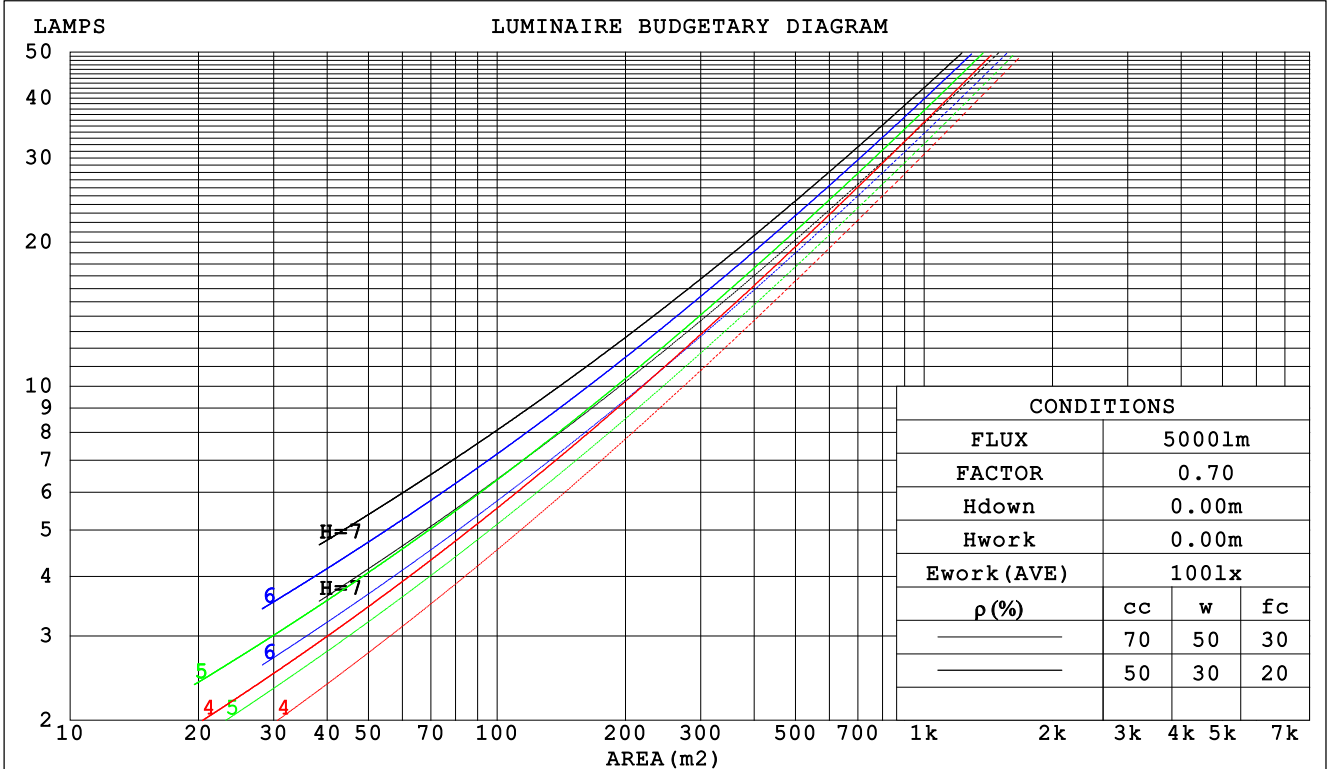
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:9.498m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.13V I:0.0623A P:7.3330W PF:0.9797 Freq:59.98Hz Lamp Flux:600.18 lm		
NAME: ASD-JBS-3D8WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
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						Coefficients of Utilization(CU)									
0.0	1.09	1.09	1.09	1.06	1.06	1.06	1.01	1.01	1.01	.97	.97	.97	.92	.92	.92	.90
1.0	.94	.90	.87	.92	.89	.85	.88	.85	.82	.84	.82	.80	.81	.79	.77	.75
2.0	.82	.76	.70	.80	.74	.69	.77	.72	.68	.74	.69	.66	.71	.67	.64	.62
3.0	.72	.64	.58	.70	.63	.58	.67	.61	.56	.65	.60	.55	.62	.58	.54	.52
4.0	.64	.55	.49	.62	.55	.49	.60	.53	.48	.58	.52	.47	.55	.50	.46	.44
5.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.52	.46	.41	.50	.44	.40	.38
6.0	.51	.43	.37	.50	.42	.37	.48	.41	.36	.47	.40	.36	.45	.40	.35	.33
7.0	.46	.38	.32	.45	.38	.32	.44	.37	.32	.42	.36	.32	.41	.36	.31	.29
8.0	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
9.0	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.35	.29	.25	.24
10.0	.36	.28	.23	.35	.28	.23	.34	.28	.23	.33	.27	.23	.32	.27	.23	.21



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:9.498m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.13V I:0.0623A P:7.3330W PF:0.9797 Freq:59.98Hz Lamp Flux:600.18 lm		
NAME: ASD-JBS-3D8WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
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	.291	.165	.052	.284	.162	.051	.271	.155	.050	.259	.149	.048	.248	.144	.046	
2.0	.271	.149	.046	.265	.146	.045	.254	.141	.044	.244	.137	.043	.234	.132	.042	
3.0	.250	.133	.040	.245	.131	.039	.235	.127	.039	.225	.124	.038	.217	.120	.037	
4.0	.230	.120	.035	.226	.118	.035	.217	.115	.034	.208	.112	.034	.201	.109	.033	
5.0	.212	.108	.031	.208	.107	.031	.200	.104	.031	.193	.102	.030	.186	.099	.030	
6.0	.197	.099	.028	.193	.098	.028	.186	.095	.028	.179	.093	.027	.173	.091	.027	
7.0	.183	.090	.026	.180	.089	.026	.173	.088	.025	.167	.086	.025	.162	.084	.025	
8.0	.171	.083	.023	.168	.083	.023	.162	.081	.023	.157	.079	.023	.152	.078	.023	
9.0	.160	.077	.022	.157	.077	.022	.152	.075	.021	.147	.074	.021	.143	.072	.021	
10.0	.150	.072	.020	.148	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.019	

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	.182	.182	.182	.156	.156	.156	.106	.106	.106	.061	.061	.061	.020	.020	.020	
1.0	.174	.151	.131	.149	.130	.112	.102	.089	.078	.059	.052	.045	.019	.017	.015	
2.0	.166	.129	.097	.143	.111	.084	.098	.077	.059	.056	.045	.034	.018	.014	.011	
3.0	.159	.113	.076	.137	.097	.066	.094	.068	.046	.054	.040	.027	.017	.013	.009	
4.0	.152	.101	.061	.131	.087	.053	.090	.061	.038	.052	.036	.022	.017	.012	.007	
5.0	.146	.091	.051	.125	.079	.045	.086	.055	.032	.050	.032	.019	.016	.011	.006	
6.0	.139	.084	.044	.120	.073	.038	.082	.051	.027	.048	.030	.016	.015	.010	.005	
7.0	.133	.077	.039	.114	.067	.034	.079	.047	.024	.046	.028	.014	.015	.009	.005	
8.0	.127	.072	.035	.109	.063	.030	.076	.044	.021	.044	.026	.013	.014	.008	.004	
9.0	.121	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.012	.014	.008	.004	
10.0	.116	.064	.029	.100	.055	.025	.069	.039	.018	.040	.023	.011	.013	.008	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:9.498m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.13V I:0.0623A P:7.3330W PF:0.9797 Freq:59.98Hz Lamp Flux:600.18 lm										
NAME: ASD-JBS-3D8WH					TYPE:			WEIGHT:		
SPEC.:5000K					DIM.:			SERIAL No.:		
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	25.5	27.0	25.8	27.2	27.5	25.3	26.8	25.5	27.0	27.2
3H	27.2	28.6	27.5	28.8	29.1	26.8	28.2	27.1	28.4	28.7
4H	27.9	29.2	28.2	29.5	29.8	27.4	28.7	27.7	29.0	29.3
6H	28.5	29.7	28.8	30.0	30.3	27.9	29.1	28.2	29.4	29.7
8H	28.7	29.9	29.1	30.2	30.5	28.0	29.2	28.4	29.6	29.9
12H	28.9	30.0	29.2	30.4	30.7	28.1	29.3	28.5	29.6	29.9
4H 2H	26.1	27.4	26.4	27.7	28.0	25.9	27.2	26.2	27.5	27.8
3H	28.0	29.1	28.3	29.4	29.8	27.6	28.8	28.0	29.1	29.5
4H	28.8	29.9	29.2	30.2	30.6	28.4	29.5	28.8	29.8	30.2
6H	29.6	30.5	30.0	30.9	31.3	29.0	30.0	29.4	30.3	30.7
8H	29.9	30.7	30.3	31.1	31.5	29.2	30.1	29.7	30.5	30.9
12H	30.1	30.9	30.5	31.3	31.8	29.4	30.2	29.8	30.6	31.0
8H 4H	29.1	30.0	29.5	30.4	30.8	28.7	29.6	29.2	30.0	30.4
6H	30.0	30.8	30.5	31.2	31.6	29.5	30.3	30.0	30.7	31.1
8H	30.4	31.1	30.9	31.5	32.0	29.8	30.5	30.3	30.9	31.4
12H	30.8	31.4	31.3	31.8	32.3	30.1	30.6	30.5	31.1	31.6
12H 4H	29.1	29.9	29.6	30.3	30.8	28.8	29.6	29.2	30.0	30.4
6H	30.1	30.7	30.6	31.2	31.7	29.6	30.3	30.1	30.7	31.2
8H	30.5	31.1	31.0	31.6	32.1	30.0	30.5	30.5	31.0	31.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 656.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.5)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:9.498m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.13V I:0.0623A P:7.3330W PF:0.9797 Freq:59.98Hz Lamp Flux:600.18 lm		
NAME: ASD-JBS-3D8WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:0

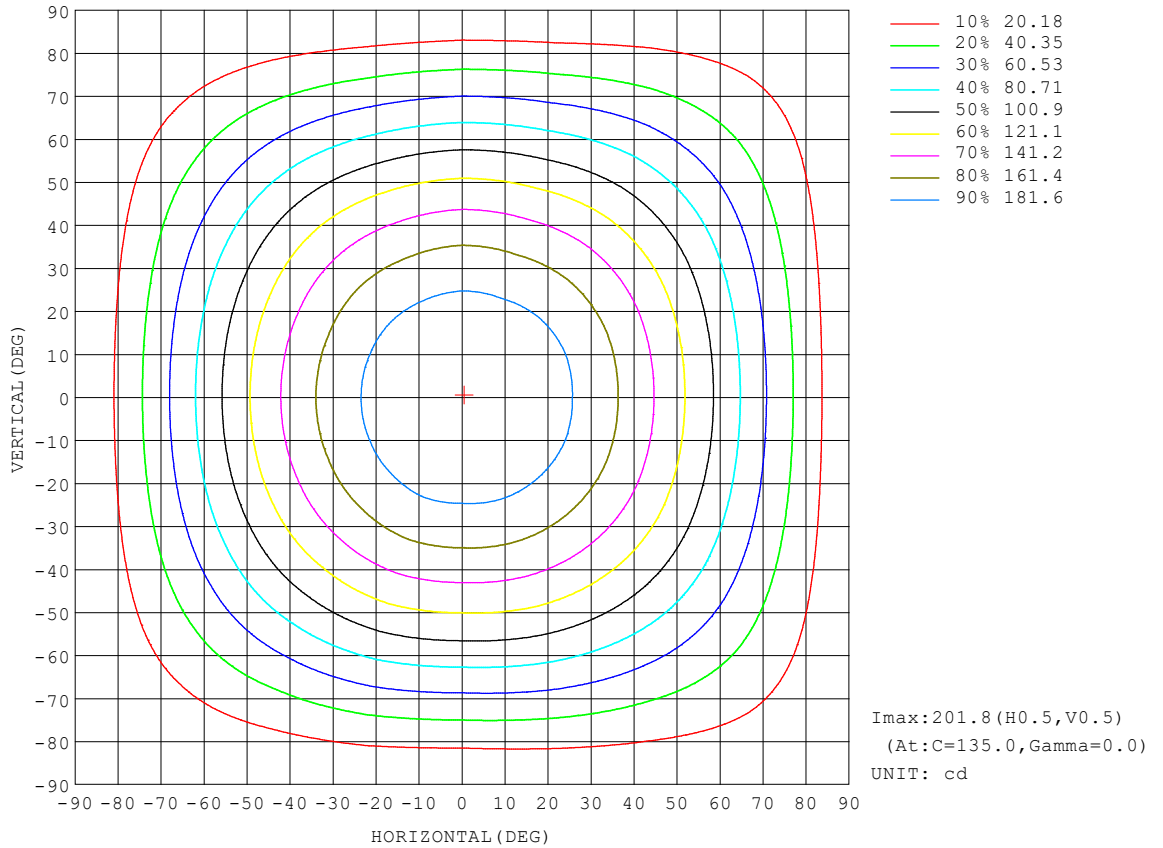
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	52	41	35	51	41	35	50	40	34	28
0.80	61	50	43	60	50	43	58	49	43	36
1.00	69	58	52	67	58	51	65	59	51	44
1.25	75	65	59	74	65	58	71	63	57	51
1.50	80	70	64	78	70	63	75	68	62	55
2.00	86	78	72	84	77	71	81	75	70	62
2.50	90	82	77	88	81	76	84	78	74	66
3.00	93	86	81	91	85	80	87	82	78	70
4.00	97	91	87	94	89	85	90	86	83	74
5.00	99	94	90	96	92	89	92	89	86	77
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:DAMIN
 Test Date:2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:9.498m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.13V I:0.0623A P:7.3330W PF:0.9797 Freq:59.98Hz Lamp Flux:600.18 lm		
NAME: ASD-JBS-3D8WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:0

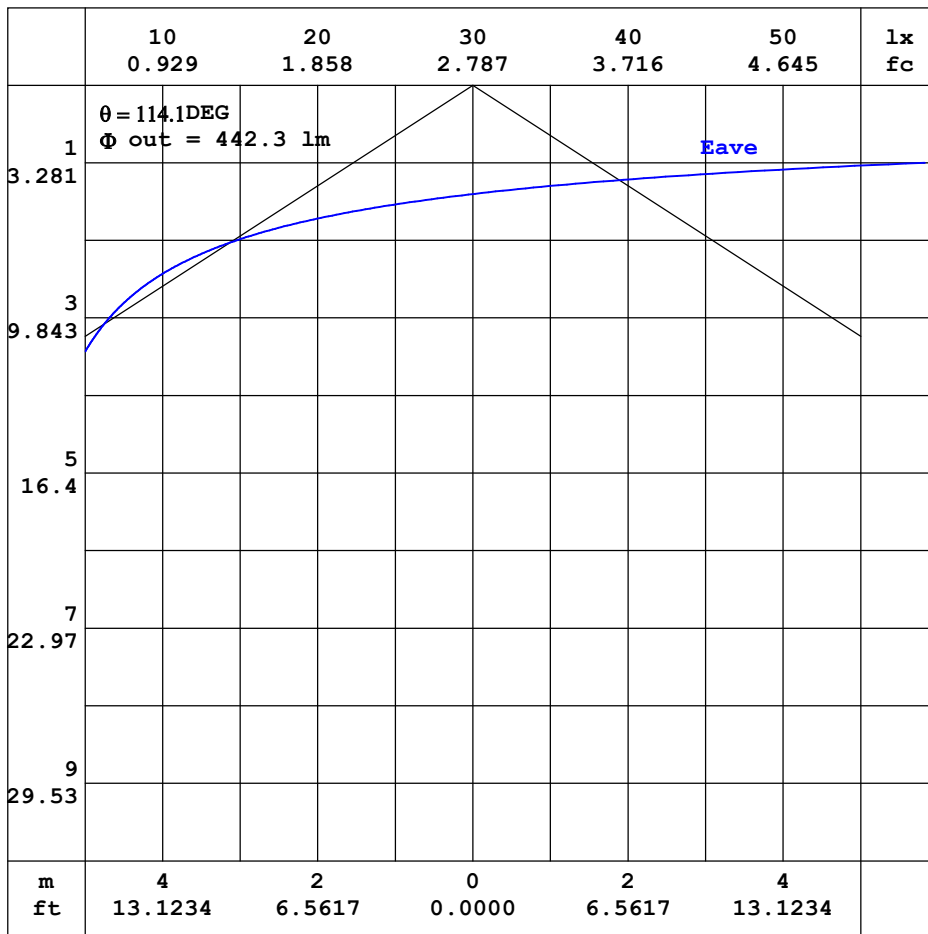


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:9.498m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:120.13V I:0.0623A P:7.3330W PF:0.9797 Freq:59.98Hz Lamp Flux:600.18 lm		
NAME: ASD-JBS-3D8WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:0



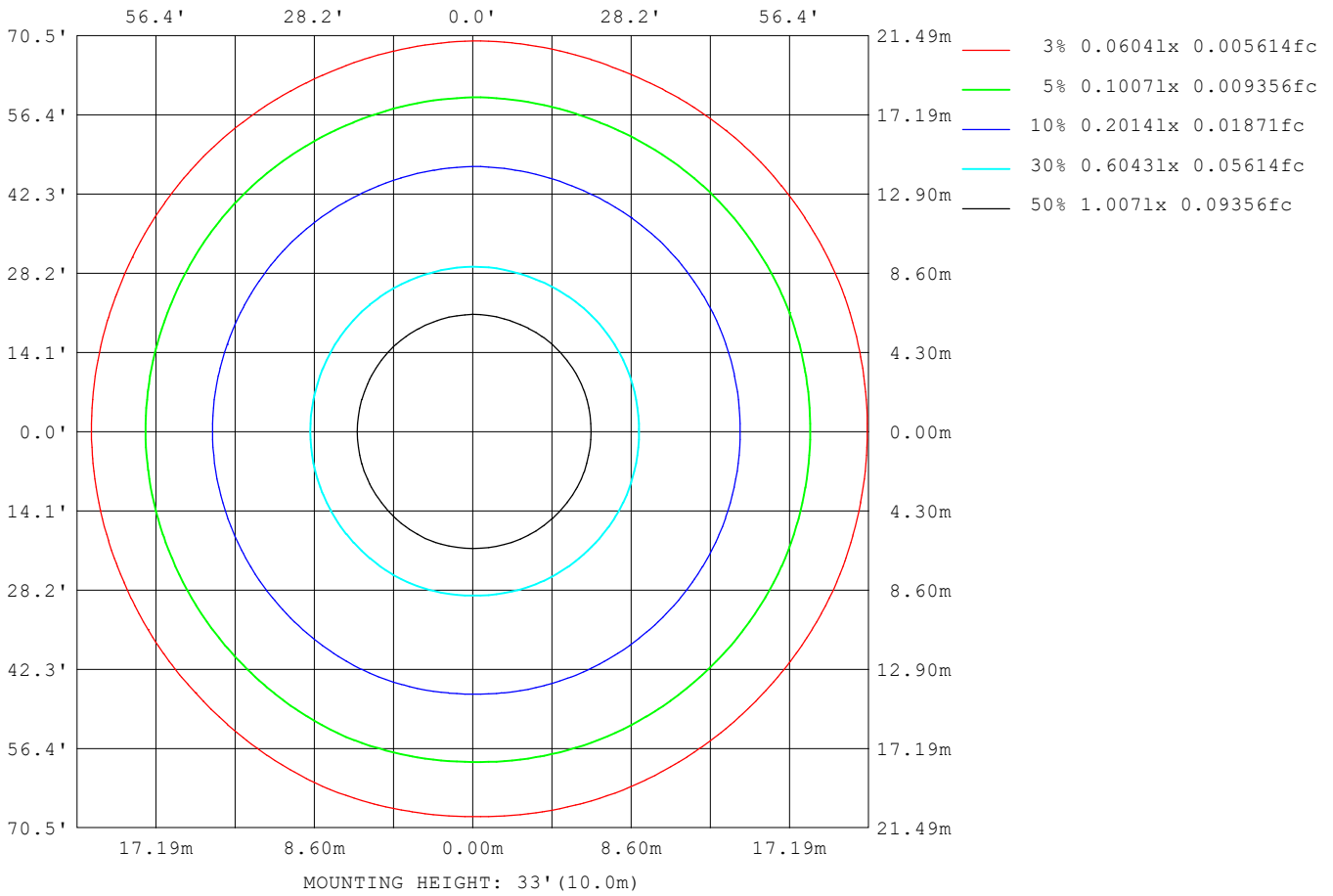
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:9.498m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.13V I:0.0623A P:7.3330W PF:0.9797 Freq:59.98Hz Lamp Flux:600.18 lm		
NAME: ASD-JBS-3D8WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:0



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:9.498m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.13V I:0.0623A P:7.3330W PF:0.9797 Freq:59.98Hz Lamp Flux:600.18 lm		
NAME: ASD-JBS-3D8WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	Shielding Angle:0

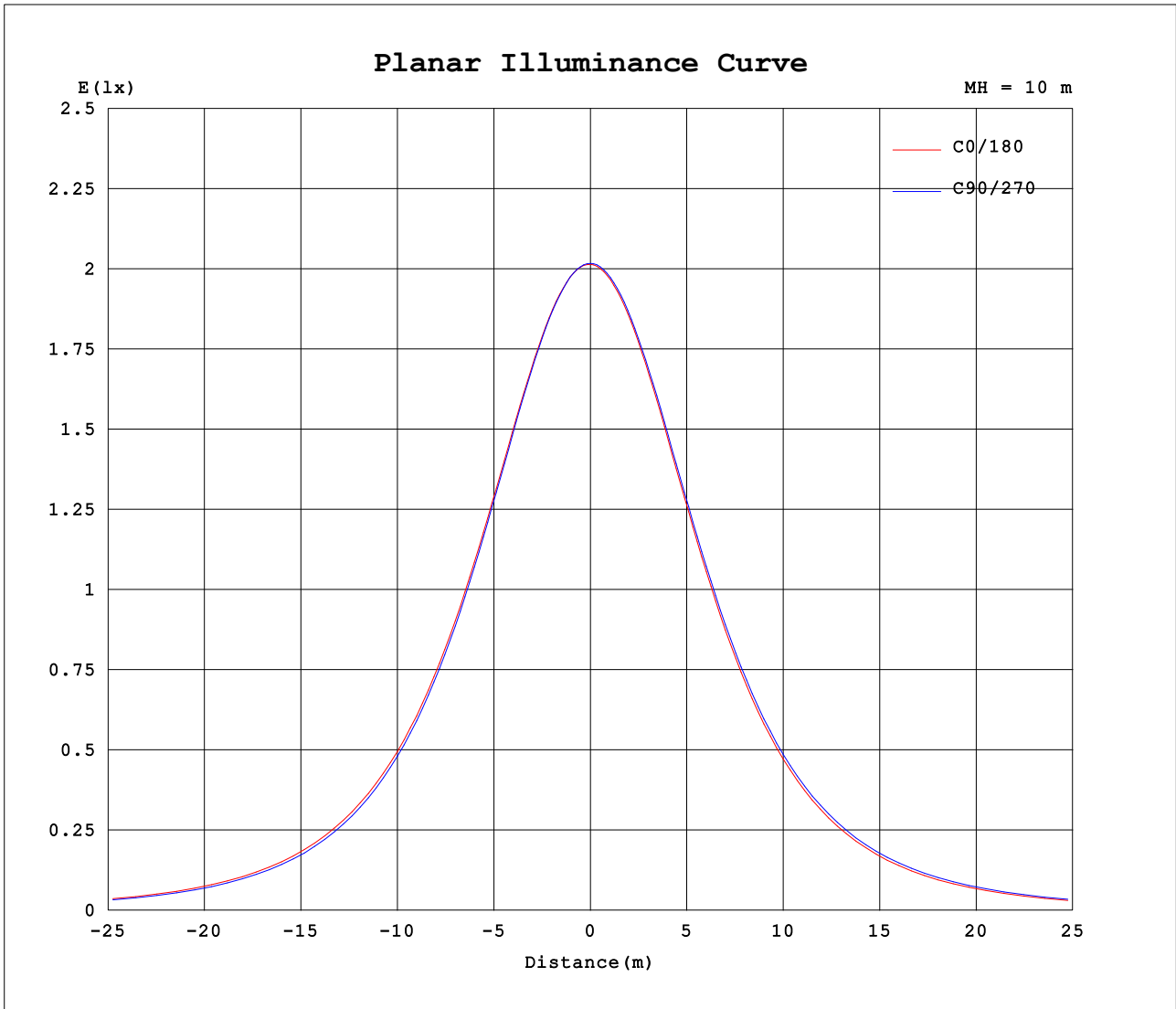
AvgL	cd/m2
L_0~180 (65) av	22267
L_0~180 (75) av	20558
L_0~180 (85) av	18256
L_90~270 (65) av	22184
L_90~270 (75) av	20451
L_90~270 (85) av	18034
L_45 (65) av	22196
L_45 (75) av	20306
L_45 (85) av	17713

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity:65.0%
 Test Distance:9.498m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2025-07-05

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.406.11
 Humidity: 65.0%
 Test Distance: 9.498m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.13V I:0.0623A P:7.3330W PF:0.9797 Freq:59.98Hz Lamp Flux:600.18 lm		
NAME: ASD-JBS-3D8WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
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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	201	202	202	202	202	202	202	202	201	202	202	202	202	202	202	202			
5	201	201	201	201	201	201	201	201	200	200	201	201	201	201	201	201			
10	199	199	199	199	198	199	198	198	197	197	198	198	198	198	199	199			
15	195	195	195	195	194	194	194	193	193	193	193	194	194	194	195	195			
20	190	190	190	189	189	189	188	187	187	187	187	188	189	188	190	190			
25	183	183	182	182	181	181	180	179	179	179	180	180	181	181	182	183			
30	174	175	174	173	172	172	171	170	170	170	171	171	172	172	174	175			
35	164	164	163	163	161	162	160	159	159	159	160	161	162	162	164	165			
40	153	153	152	151	149	150	148	147	147	147	148	149	150	150	152	153			
45	140	140	139	138	136	136	134	133	134	134	135	136	138	138	140	141			
50	126	126	125	124	121	122	119	119	119	119	121	122	124	123	126	127			
55	112	111	110	108	106	106	104	103	104	104	105	106	109	109	111	112			
60	96.1	95.6	93.6	92.2	89.8	90.0	87.4	86.6	87.4	87.6	89.5	90.6	93.1	92.9	95.5	96.8			
65	79.7	79.3	77.0	75.5	73.0	73.3	70.6	69.8	70.8	71.1	73.1	74.2	77.0	76.7	79.5	80.5			
70	63.2	62.6	60.3	58.9	56.2	56.6	53.8	53.1	54.1	54.4	56.5	57.7	60.5	60.2	63.0	64.0			
75	46.9	46.2	43.8	42.5	40.4	40.4	37.6	37.3	38.3	38.7	40.2	41.6	44.3	44.1	46.6	47.6			
80	31.2	30.4	28.2	27.0	24.8	25.0	22.6	21.8	22.9	23.3	25.0	26.2	28.9	28.7	31.0	31.8			
85	16.5	15.8	13.6	12.3	10.5	10.5	8.31	7.80	8.97	9.37	11.0	12.3	14.7	14.5	16.5	17.2			
90	3.26	2.28	0.38	0.28	0.33	0.39	0.41	0.39	0.41	0.39	0.37	0.41	1.76	1.40	3.42	4.02			
95	0.18	0.25	0.28	0.37	0.39	0.48	0.46	0.51	0.53	0.42	0.44	0.35	0.36	0.29	0.31	0.28			
100	0.29	0.39	0.39	0.48	0.49	0.60	0.59	0.65	0.87	0.57	0.58	0.47	0.49	0.39	0.42	0.35			
105	0.42	0.53	0.54	0.62	0.63	0.75	0.76	0.83	0.89	0.71	0.73	0.63	0.63	0.53	0.56	0.49			
110	0.58	0.69	0.70	0.79	0.81	0.93	0.94	1.00	1.03	0.91	0.92	0.80	0.78	0.69	0.71	0.64			
115	0.75	0.86	0.86	0.97	0.98	1.09	1.10	1.17	1.18	1.08	1.10	0.97	0.96	0.86	0.87	0.80			
120	0.92	1.01	1.01	1.12	1.16	1.25	1.26	1.32	1.36	1.25	1.25	1.13	1.13	1.03	1.02	0.95			
125	1.07	1.17	1.16	1.29	1.32	1.40	1.39	1.45	1.52	1.40	1.40	1.29	1.29	1.20	1.16	1.10			
130	1.22	1.31	1.31	1.43	1.47	1.54	1.52	1.59	1.64	1.53	1.54	1.43	1.43	1.34	1.29	1.24			
135	1.35	1.44	1.42	1.56	1.59	1.66	1.63	1.69	1.74	1.66	1.65	1.56	1.57	1.46	1.40	1.36			
140	1.44	1.56	1.55	1.67	1.69	1.77	1.72	1.79	1.84	1.75	1.76	1.67	1.67	1.58	1.52	1.48			
145	1.51	1.63	1.63	1.76	1.78	1.85	1.80	1.86	1.90	1.82	1.83	1.74	1.76	1.68	1.61	1.57			
150	1.56	1.65	1.69	1.82	1.84	1.90	1.85	1.90	1.94	1.85	1.87	1.81	1.76	1.71	1.61	1.61			
155	1.56	1.65	1.74	1.82	1.88	1.93	1.90	1.92	1.94	1.86	1.87	1.82	1.74	1.71	1.61	1.61			
160	1.58	1.65	1.76	1.82	1.89	1.93	1.92	1.92	1.96	1.87	1.87	1.80	1.70	1.67	1.64	1.60			
165	1.56	1.65	1.76	1.82	1.89	1.93	1.93	1.92	1.96	1.90	1.87	1.79	1.66	1.66	1.64	1.60			
170	1.56	1.63	1.76	1.82	1.89	1.90	1.93	1.90	1.96	1.93	1.81	1.74	1.65	1.67	1.64	1.61			
175	1.56	1.58	1.71	1.77	1.89	1.87	1.89	1.83	1.83	1.84	1.71	1.68	1.61	1.64	1.58	1.61			
180	1.58	1.59	1.58	1.59	1.58	1.58	1.58	1.58	1.59	1.59	1.59	1.60	1.59	1.58	1.58	1.58			

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