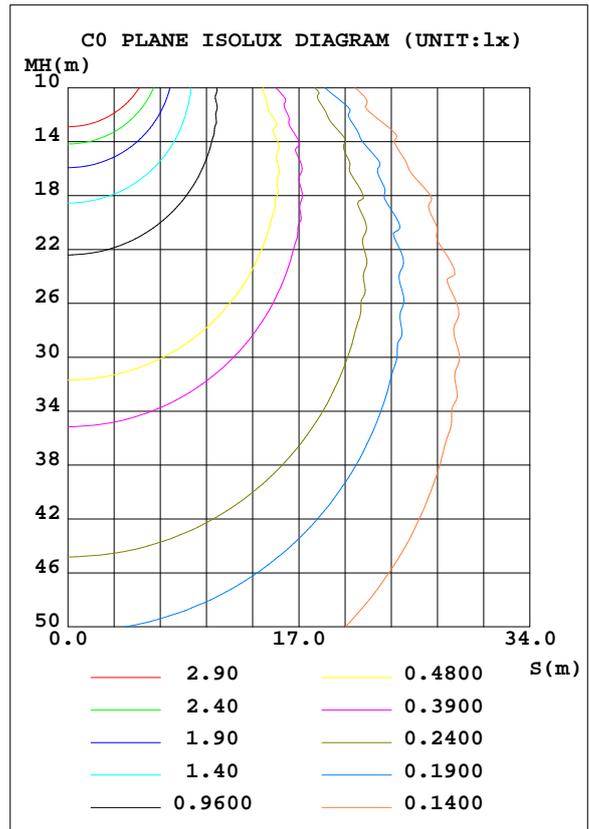
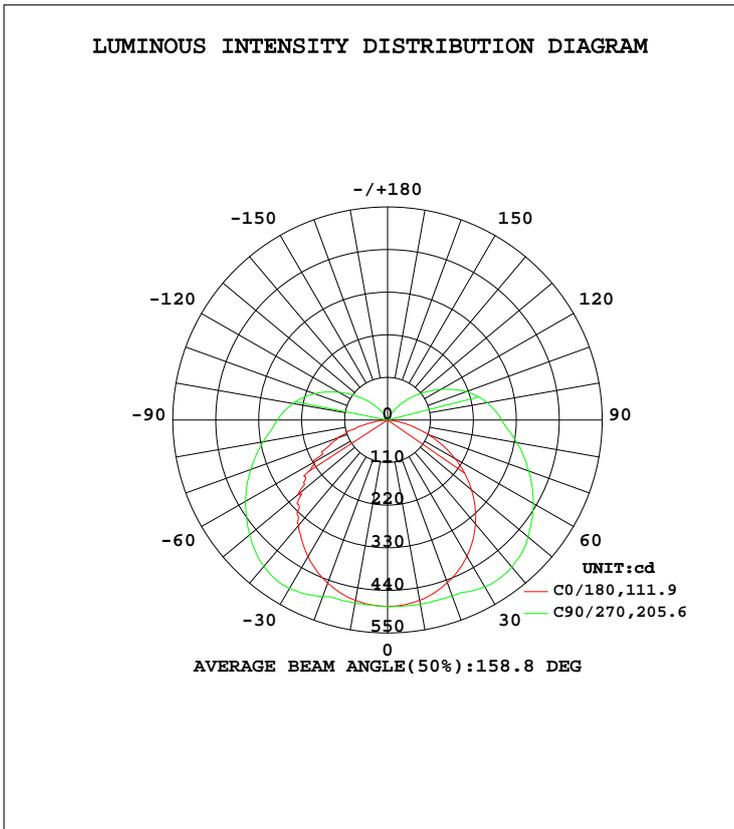


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.04V I:0.2579A P:30.360W PF:0.9807 Freq:60.00Hz Lamp Flux:2571.79x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-OLWS-22-MV-36N28CC-BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	PSZ2GH240426003-10	Imax(cd)	503.2	S/MH(C0/180)	1.26
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.59
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2571.8	η UP, DN(C0-180)	9.0,40.5
NOMINAL FLUX(lm)	2571.79	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	9.7,40.8
LAMPS INSIDE	1	η up(%)	18.7	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	81.3	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:Water
 Test Date:2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:43%
 Test Distance:2.519m [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	473.3	476.5	479.8	474.9	472.5	478.8	482.8	478.9	0- 10	45.74	45.74	1.78,1.78
20	448.4	464.9	485.3	462.7	447.2	466.9	483.1	467.9	10- 20	133.6	179.3	6.97,6.97
30	407.6	456.5	501.9	453.3	406.6	447.6	497.7	449.5	20- 30	212.6	391.9	15.2,15.2
40	353.4	442.8	493.3	438.7	350.6	436.8	495.0	438.5	30- 40	278.0	669.9	26,26
50	300.2	406.9	461.5	402.9	281.1	404.9	470.5	408.5	40- 50	318.5	988.4	38.4,38.4
60	215.2	353.5	420.1	347.8	199.9	355.7	431.6	358.0	50- 60	327.7	1316	51.2,51.2
70	138.2	294.2	373.3	288.7	111.9	297.1	384.9	306.0	60- 70	305.8	1622	63.1,63.1
80	45.05	238.2	323.5	230.9	33.32	240.3	336.0	243.9	70- 80	260.5	1882	73.2,73.2
90	3.019	194.2	283.4	187.3	0.1661	194.6	292.6	197.2	80- 90	208.9	2091	81.3,81.3
100	9.137	157.2	246.2	151.8	0.2042	162.7	259.2	164.0	90-100	172.6	2264	88,88
110	6.974	113.6	199.2	108.9	0.2610	119.9	214.9	120.9	100-110	133.5	2397	93.2,93.2
120	5.176	70.97	143.5	68.57	0.3412	79.55	158.5	79.20	110-120	90.19	2488	96.7,96.7
130	3.171	34.88	90.29	34.20	0.4764	44.46	103.7	43.48	120-130	51.83	2539	98.7,98.7
140	2.246	9.700	43.48	10.05	0.6004	15.79	55.68	15.01	130-140	24.07	2563	99.7,99.7
150	1.543	1.226	10.14	1.100	0.6361	1.004	16.33	1.226	140-150	7.073	2570	99.9,99.9
160	1.281	1.378	1.333	1.319	0.7152	1.165	1.249	1.179	150-160	0.8627	2571	100,100
170	1.315	1.328	1.279	1.283	0.9350	1.052	1.213	1.125	160-170	0.3405	2572	100,100
180	1.222	1.223	1.074	1.124	1.222	1.221	1.076	1.125	170-180	0.1129	2572	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 826.03 lm

%lum = 32.1%
%lamp = 32.1%

Conical surface Flux(120deg): 1316.1 lm

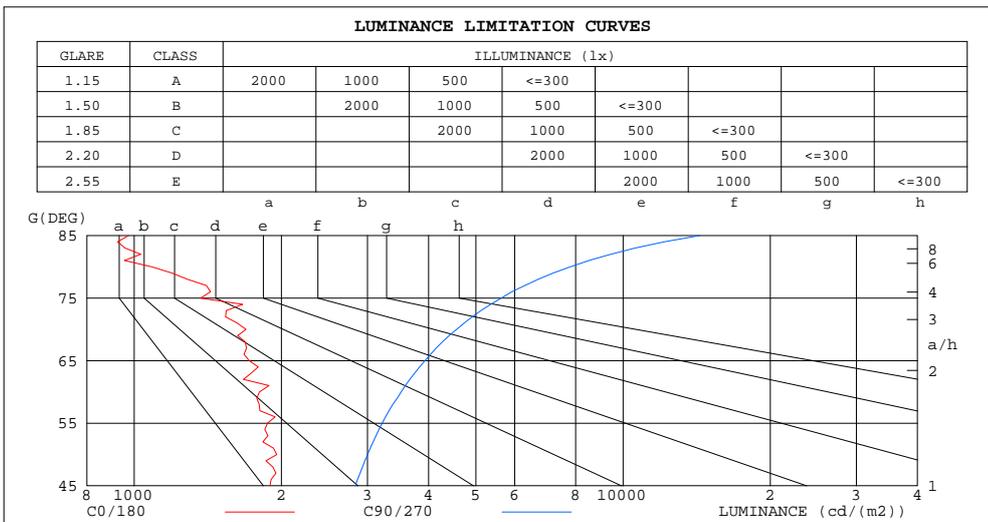
%lum = 51.2%
%lamp = 51.2%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Water
Test Date:2024-05-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:43%
Test Distance:2.519m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.04V I:0.2579A P:30.360W PF:0.9807 Freq:60.00Hz Lamp Flux:2571.79x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-22-MV-36N28CC-BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	974	14346
80	1087	7792
75	1367	5630
70	1693	4565
65	1720	3932
60	1804	3514
55	1873	3214
50	1957	3003
45	1895	2835

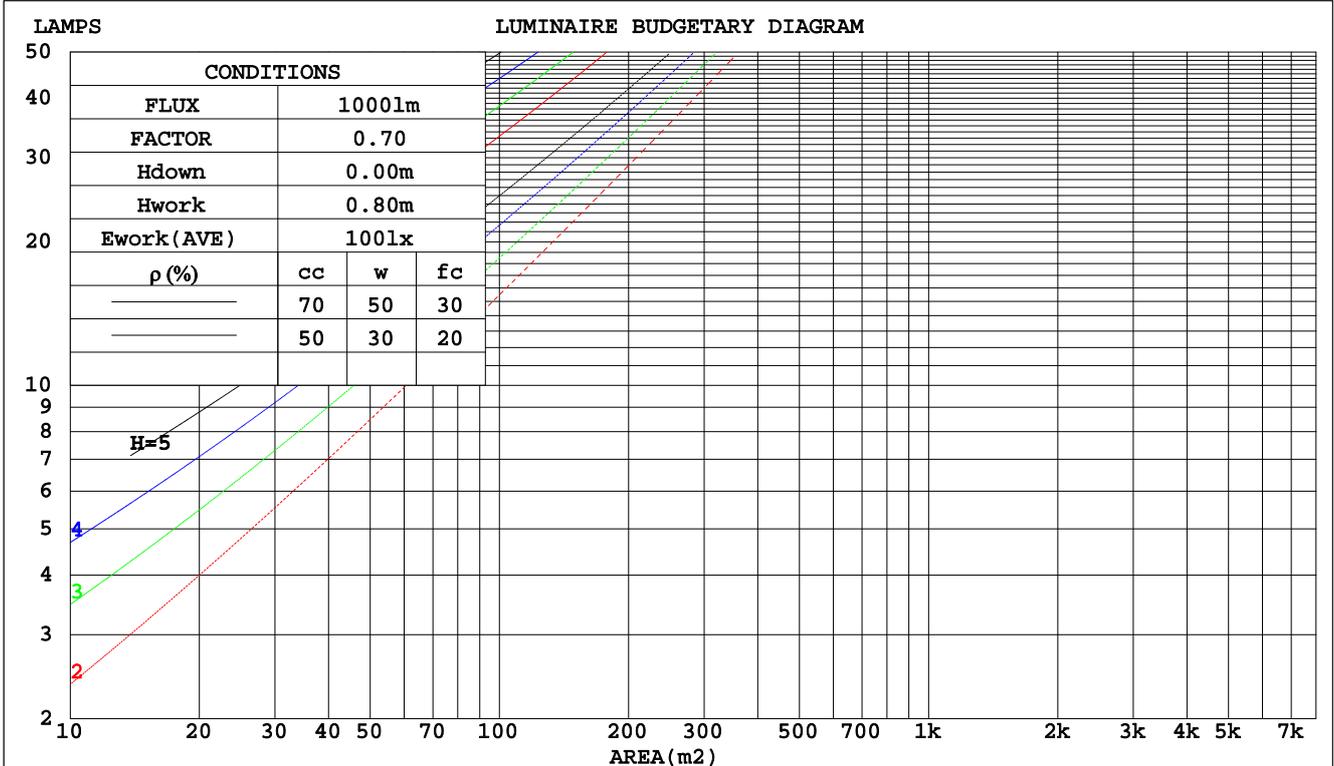
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Water
 Test Date: 2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 43%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.04V I:0.2579A P:30.360W PF:0.9807 Freq:60.00Hz Lamp Flux:2571.79x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-22-MV-36N28CC-BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

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	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.92	.92	.92	.85	.85	.85	.81
1.0	.95	.89	.84	.91	.86	.81	.83	.79	.75	.76	.72	.69	.69	.67	.64	.61
2.0	.81	.73	.66	.77	.70	.64	.70	.64	.59	.64	.59	.55	.59	.55	.51	.48
3.0	.70	.60	.53	.67	.58	.51	.61	.54	.48	.56	.50	.45	.51	.46	.42	.39
4.0	.61	.51	.44	.58	.49	.43	.53	.46	.40	.49	.43	.37	.44	.39	.35	.32
5.0	.54	.44	.37	.52	.43	.36	.47	.40	.34	.43	.37	.32	.40	.34	.30	.27
6.0	.48	.39	.32	.46	.37	.31	.42	.35	.29	.39	.32	.27	.36	.30	.26	.23
7.0	.43	.34	.28	.42	.33	.27	.38	.31	.25	.35	.29	.24	.32	.27	.23	.20
8.0	.39	.30	.24	.38	.29	.24	.35	.28	.22	.32	.26	.21	.30	.24	.20	.18
9.0	.36	.27	.22	.35	.27	.21	.32	.25	.20	.30	.23	.19	.27	.22	.18	.16
10.0	.33	.25	.19	.32	.24	.19	.29	.23	.18	.27	.21	.17	.25	.20	.16	.14



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:Water
 Test Date:2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:43%
 Test Distance:2.519m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.04V I:0.2579A P:30.360W PF:0.9807 Freq:60.00Hz		
Lamp Flux:2571.79x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-22-MV-36N28CC-BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

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	.398	.226	.072	.385	.220	.070	.361	.207	.066	.339	.195	.063	.318	.184	.059	
2.0	.342	.188	.058	.331	.182	.056	.309	.172	.053	.289	.162	.051	.270	.153	.048	
3.0	.303	.161	.048	.292	.157	.047	.273	.148	.045	.254	.139	.043	.237	.131	.041	
4.0	.272	.141	.042	.262	.137	.041	.244	.130	.039	.228	.122	.037	.212	.115	.035	
5.0	.247	.126	.036	.238	.122	.036	.222	.115	.034	.206	.109	.032	.192	.103	.031	
6.0	.226	.113	.032	.218	.110	.032	.203	.104	.030	.189	.098	.029	.176	.093	.027	
7.0	.208	.103	.029	.201	.100	.028	.187	.094	.027	.174	.089	.026	.162	.084	.025	
8.0	.192	.094	.026	.186	.091	.026	.173	.087	.025	.161	.082	.024	.150	.077	.022	
9.0	.179	.087	.024	.173	.084	.024	.161	.080	.023	.151	.075	.022	.140	.071	.021	
10.0	.167	.080	.022	.162	.078	.022	.151	.074	.021	.141	.070	.020	.132	.066	.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	.333	.333	.333	.284	.284	.284	.194	.194	.194	.112	.112	.112	.036	.036	.036	
1.0	.330	.299	.271	.282	.257	.233	.193	.176	.161	.111	.102	.094	.036	.033	.030	
2.0	.324	.276	.236	.277	.238	.204	.190	.164	.143	.109	.096	.084	.035	.031	.027	
3.0	.316	.260	.215	.271	.224	.186	.186	.156	.131	.107	.091	.077	.035	.030	.025	
4.0	.308	.247	.201	.265	.214	.174	.182	.149	.123	.105	.087	.073	.034	.028	.024	
5.0	.301	.238	.191	.258	.206	.166	.178	.144	.117	.103	.084	.070	.033	.028	.023	
6.0	.293	.230	.184	.252	.199	.160	.174	.139	.114	.101	.082	.067	.033	.027	.022	
7.0	.286	.223	.179	.246	.193	.156	.170	.136	.111	.099	.080	.066	.032	.026	.022	
8.0	.279	.218	.175	.240	.189	.153	.166	.133	.108	.097	.078	.065	.031	.026	.021	
9.0	.273	.213	.172	.235	.185	.150	.163	.130	.107	.095	.077	.064	.031	.025	.021	
10.0	.267	.209	.170	.230	.181	.148	.160	.128	.105	.093	.075	.063	.030	.025	.021	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:Water
 Test Date:2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:43%
 Test Distance:2.519m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.04V I:0.2579A P:30.360W PF:0.9807 Freq:60.00Hz Lamp Flux:2571.79x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-OLWS-22-MV-36N28CC-BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

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	10.6	12.0	11.1	12.5	13.1	13.1	14.5	13.6	15.0	15.6
3H	12.2	13.5	12.7	14.0	14.6	15.9	17.1	16.4	17.7	18.3
4H	12.8	14.0	13.4	14.6	15.2	17.4	18.6	17.9	19.1	19.8
6H	13.2	14.3	13.8	14.9	15.6	19.0	20.2	19.6	20.8	21.4
8H	13.3	14.4	13.9	15.0	15.7	19.9	21.1	20.5	21.7	22.3
12H	13.4	14.4	14.0	15.0	15.7	21.0	22.1	21.6	22.7	23.4
4H 2H	11.9	13.1	12.5	13.7	14.3	13.7	14.9	14.3	15.5	16.1
3H	13.8	14.9	14.4	15.5	16.2	16.7	17.8	17.3	18.4	19.1
4H	14.6	15.6	15.3	16.3	17.0	18.4	19.4	19.0	20.0	20.7
6H	15.3	16.2	15.9	16.8	17.6	20.3	21.2	20.9	21.8	22.6
8H	15.5	16.3	16.1	17.0	17.7	21.3	22.1	22.0	22.8	23.6
12H	15.6	16.4	16.3	17.1	17.9	22.5	23.3	23.2	24.0	24.8
8H 4H	15.8	16.7	16.5	17.3	18.1	18.7	19.6	19.4	20.2	21.0
6H	16.9	17.6	17.6	18.3	19.1	20.9	21.6	21.6	22.3	23.2
8H	17.3	18.0	18.1	18.7	19.5	22.2	22.8	22.9	23.6	24.4
12H	17.8	18.3	18.5	19.1	19.9	23.7	24.2	24.4	25.0	25.8
12H 4H	16.2	17.0	16.9	17.7	18.5	18.8	19.5	19.4	20.2	21.0
6H	17.5	18.2	18.2	18.9	19.7	21.1	21.7	21.8	22.4	23.2
8H	18.2	18.8	18.9	19.5	20.3	22.4	23.0	23.2	23.7	24.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.5					+ 0.3 / - 0.4				

CIE Pub.117, 2572 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.3)
Area: 0.238965 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Water
Test Date:2024-05-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:43%
Test Distance:2.519m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.04V I:0.2579A P:30.360W PF:0.9807 Freq:60.00Hz Lamp Flux:2571.79x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-22-MV-36N28CC-BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

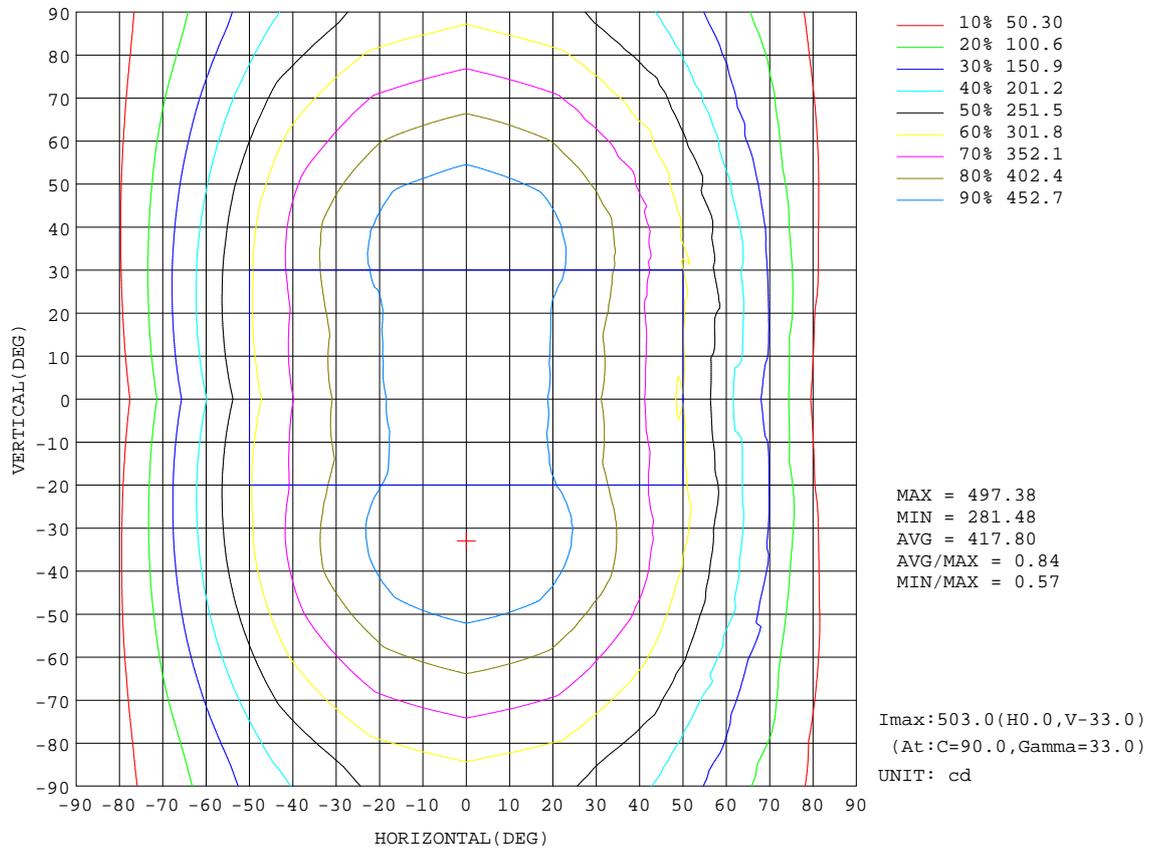
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	33	26	45	33	26	43	32	25	19
0.80	55	42	34	54	41	33	51	40	32	25
1.00	63	50	41	61	49	40	58	49	39	31
1.25	70	57	48	68	56	47	63	53	46	36
1.50	75	62	54	72	61	53	68	58	51	40
2.00	83	71	62	80	69	61	74	65	58	46
2.50	87	77	68	84	74	67	78	70	63	50
3.00	91	81	74	87	79	72	81	74	68	54
4.00	96	88	81	92	85	78	85	79	74	59
5.00	99	92	86	95	88	83	87	82	77	62
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:24.8DEG
 Operators:Water
 Test Date:2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:43%
 Test Distance:2.519m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.04V I:0.2579A P:30.360W PF:0.9807 Freq:60.00Hz Lamp Flux:2571.79x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-22-MV-36N28CC-BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



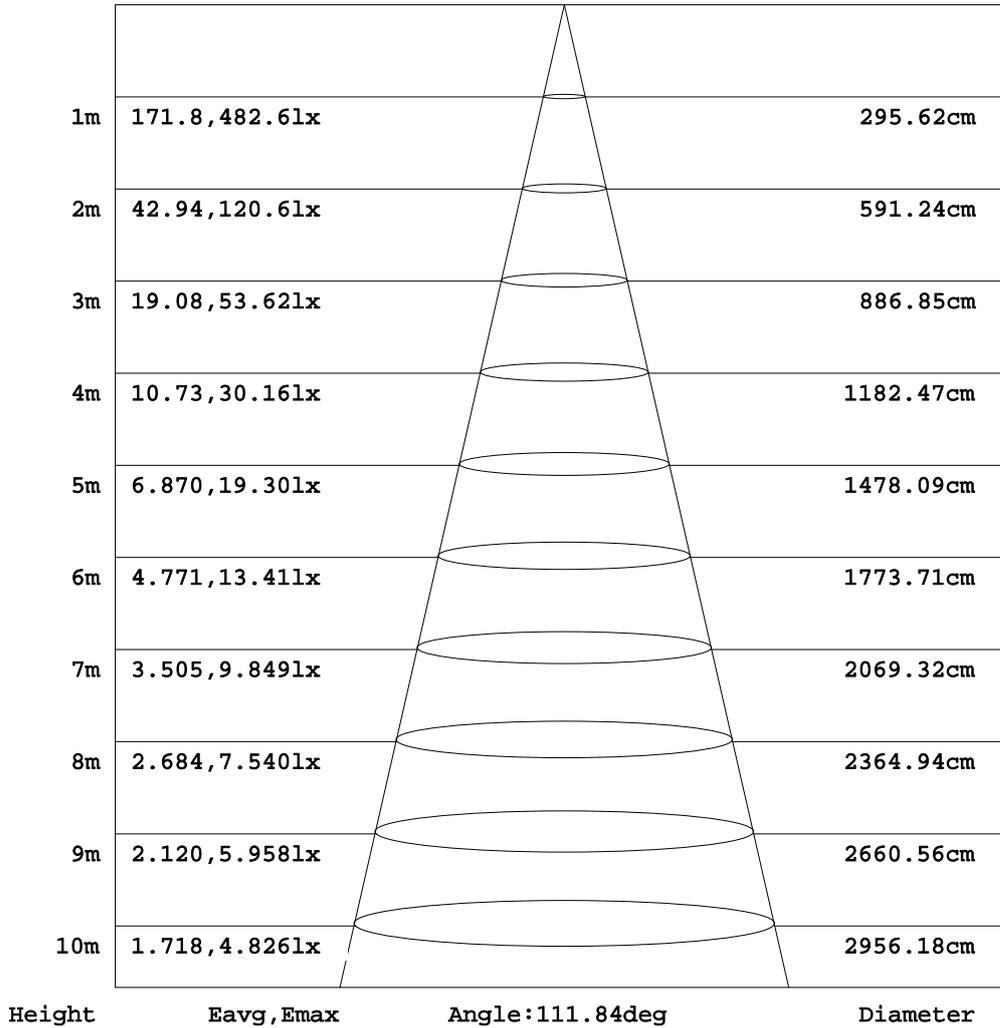
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Water
 Test Date: 2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 43%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.04V I:0.2579A P:30.360W PF:0.9807 Freq:60.00Hz Lamp Flux:2571.79x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-OLWS-22-MV-36N28CC-BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

Flux out:1186 lm



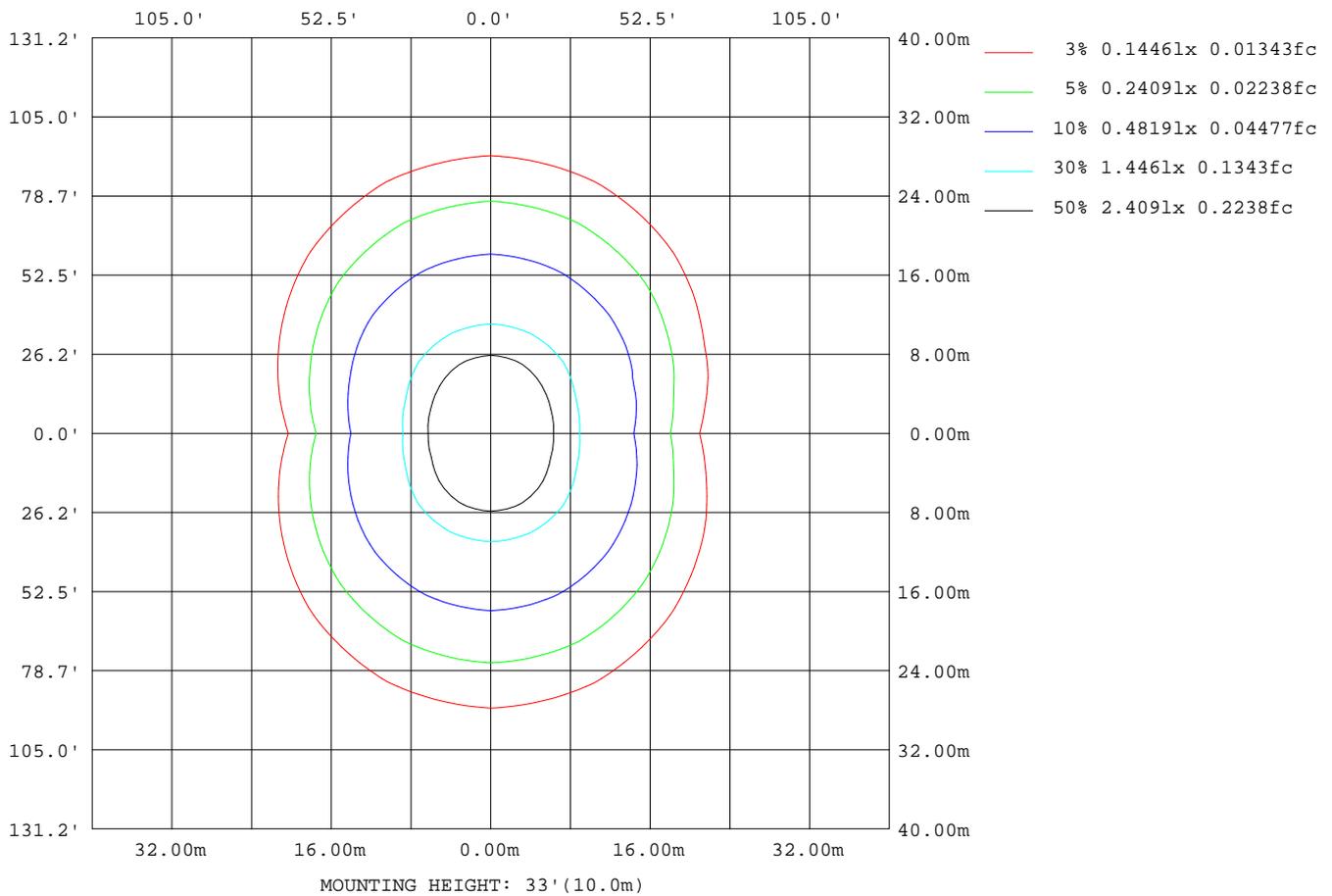
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Water
Test Date:2024-05-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Humidity:43%
Test Distance:2.519m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.04V I:0.2579A P:30.360W PF:0.9807 Freq:60.00Hz Lamp Flux:2571.79x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-22-MV-36N28CC-BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Water
 Test Date: 2024-05-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 43%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.04V I:0.2579A P:30.360W PF:0.9807 Freq:60.00Hz Lamp Flux:2571.79x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-22-MV-36N28CC-BK 5000K	DIM.: N/A	SERIAL No.: N/A
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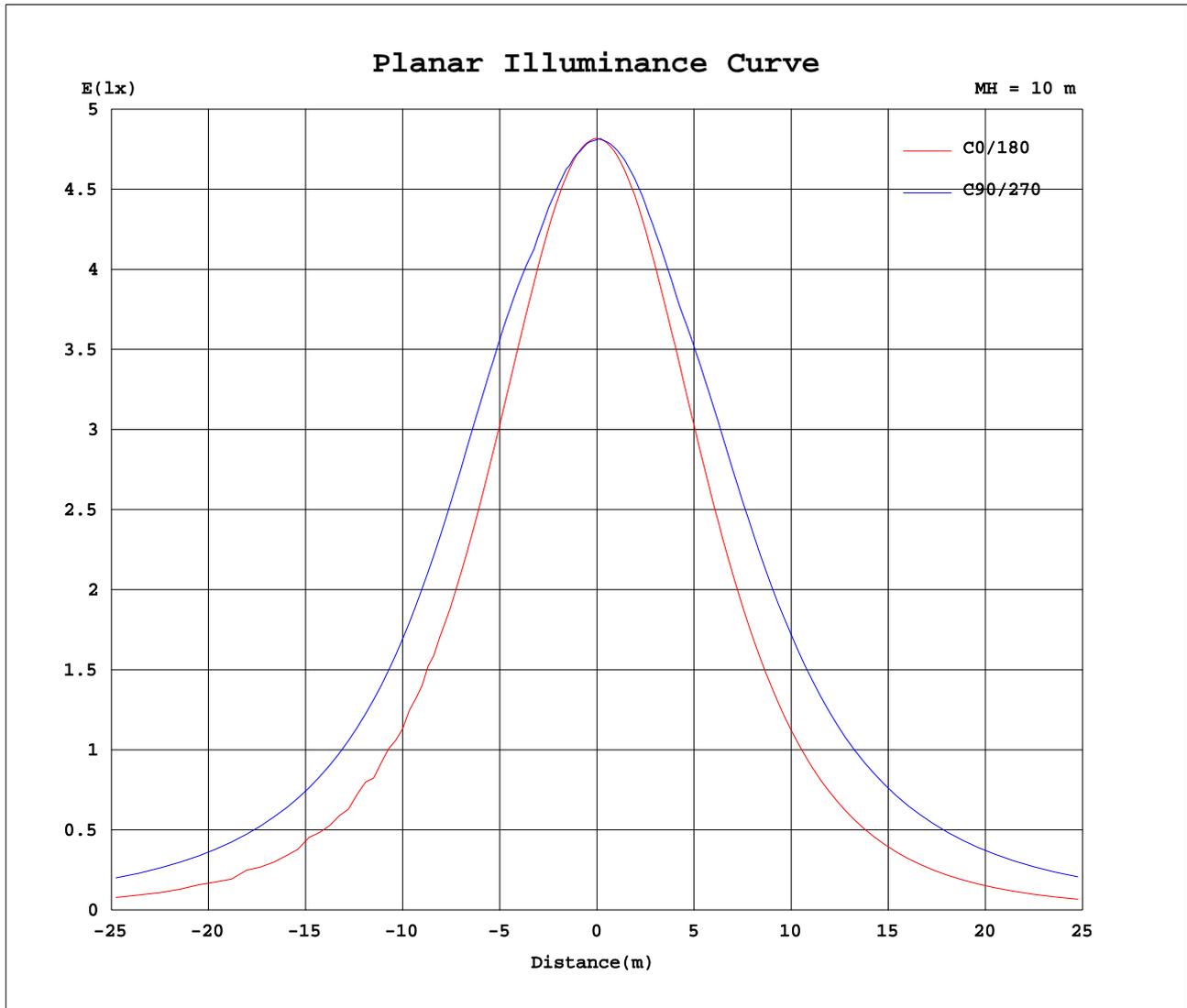
AvgL	cd/m2
L_0~180(65)av	1635
L_0~180(75)av	1249
L_0~180(85)av	678
L_90~270(65)av	3992
L_90~270(75)av	5736
L_90~270(85)av	14660
L_45(65)av	3220
L_45(75)av	4301
L_45(85)av	10174

Standard: GB/T 29293-2012

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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:43%
 Test Distance:2.519m [K=1.0000]
 Remarks:

Planar Illuminance Curve



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 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 43%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.04V I:0.2579A P:30.360W PF:0.9807 Freq:60.00Hz Lamp Flux:2571.79x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-OLWS-22-MV-36N28CC-BK 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

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	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481			
5	479	479	480	480	479	481	479	479	479	480	481	481	482	483	480	480			
10	473	474	476	479	480	479	475	474	472	474	479	481	483	482	479	476			
15	463	465	471	478	480	478	470	464	462	466	474	480	482	481	474	468			
20	448	452	465	478	485	477	463	451	447	454	467	477	483	480	468	456			
25	430	437	459	487	496	486	456	436	429	438	458	478	489	479	459	441			
30	408	419	457	491	502	490	453	417	407	420	448	485	498	486	449	423			
35	382	398	452	491	501	488	449	396	380	399	443	486	499	489	446	401			
40	353	377	443	482	493	480	439	375	351	375	437	480	495	482	439	380			
45	320	358	429	468	479	466	424	353	317	350	424	469	487	471	428	355			
50	300	339	407	448	461	447	403	330	281	326	405	453	470	455	409	333			
55	256	314	382	427	441	425	376	303	242	301	383	433	451	434	387	314			
60	215	284	353	403	420	401	348	272	200	271	356	410	432	411	358	282			
65	173	247	323	379	397	376	318	237	157	238	326	386	409	388	333	252			
70	138	214	294	354	373	351	289	199	112	202	297	362	385	363	306	213			
75	84.4	174	266	328	348	325	259	162	70.0	165	268	336	361	337	271	177			
80	45.0	140	238	303	324	299	231	128	33.3	132	240	311	336	311	244	136			
85	20.3	120	211	277	299	275	205	99.3	7.96	104	214	286	312	286	217	114			
90	3.02	92.9	194	260	283	258	187	80.3	0.17	84.2	195	267	293	267	197	91.4			
95	8.25	75.8	177	244	266	241	171	65.0	0.18	70.1	180	251	277	252	181	76.7			
100	9.14	58.8	157	224	246	222	152	49.5	0.20	54.6	163	234	259	234	164	60.6			
105	7.95	44.0	136	203	224	200	131	35.8	0.23	41.1	143	214	238	213	144	44.7			
110	6.97	30.3	114	178	199	176	109	24.5	0.26	30.3	120	190	215	190	121	33.4			
115	5.85	20.1	91.0	151	172	150	88.0	15.5	0.31	20.8	98.9	163	187	163	99.3	23.5			
120	5.18	11.8	71.0	124	143	123	68.6	8.54	0.34	12.5	79.5	136	159	136	79.2	14.4			
125	3.93	5.54	51.1	99.2	116	97.9	49.9	3.02	0.43	5.79	61.5	112	130	111	60.7	7.21			
130	3.17	2.69	34.9	75.1	90.3	74.4	34.2	0.63	0.48	1.37	44.5	87.7	104	86.8	43.5	3.28			
135	2.70	2.13	21.1	52.8	65.5	52.3	21.0	0.68	0.58	1.02	29.1	65.1	79.0	64.2	28.1	2.64			
140	2.25	1.83	9.70	34.0	43.5	33.8	10.1	0.81	0.60	1.08	15.8	43.8	55.7	43.0	15.0	2.15			
145	1.91	1.60	1.79	17.9	25.2	18.2	2.03	0.96	0.61	0.95	4.80	25.4	34.4	24.6	4.04	1.70			
150	1.54	1.53	1.23	5.40	10.1	5.61	1.10	1.07	0.64	0.97	1.00	9.83	16.3	9.20	1.23	1.30			
155	1.33	1.36	1.30	1.31	1.44	1.33	1.19	1.11	0.66	0.94	0.99	1.28	2.49	1.23	1.19	1.05			
160	1.28	1.36	1.38	1.34	1.33	1.35	1.32	1.15	0.72	0.90	1.17	1.23	1.25	1.22	1.18	1.00			
165	1.26	1.32	1.35	1.34	1.32	1.31	1.21	1.29	0.89	1.05	1.05	1.29	1.28	1.24	1.09	1.00			
170	1.31	1.31	1.33	1.32	1.28	1.22	1.28	1.29	0.93	1.10	1.05	1.04	1.21	1.19	1.13	1.03			
175	1.30	1.26	1.25	1.24	1.18	1.18	1.16	1.20	1.10	1.14	1.17	1.07	1.15	1.15	1.17	1.13			
180	1.22	1.22	1.22	1.18	1.07	1.11	1.12	1.19	1.22	1.22	1.22	1.17	1.08	1.11	1.13	1.19			

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