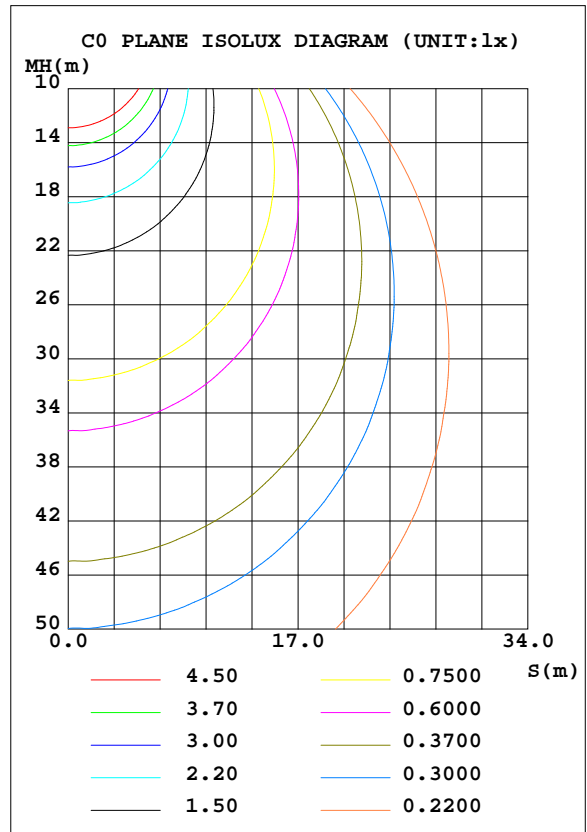
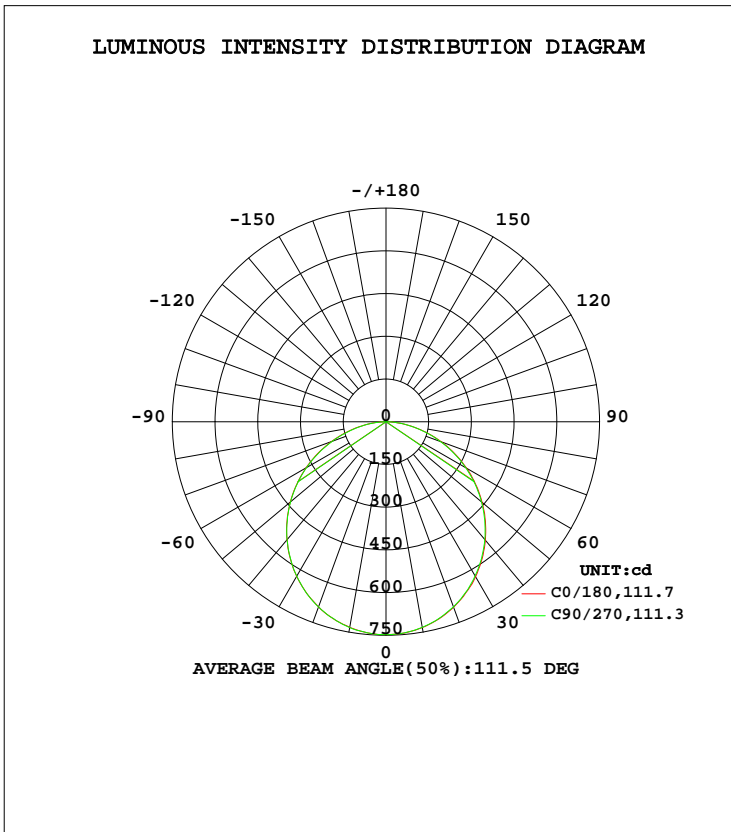


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.02V I:0.2189A P:24.490W PF:0.9322 Freq:60.00Hz Lamp Flux:2126.9x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-MPR-12D24WH 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	PSZ2GH240425004-10	Imax(cd)	748.3	S/MH(C0/180)	1.25
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2126.9	η UP, DN(C0-180)	0.1,49.8
NOMINAL FLUX(lm)	2126.9	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:Water
 Test Date:2024-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:39%
 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	733.4	733.6	733.7	733.5	734.0	733.6	733.2	733.9	0- 10	70.69	70.69	3.32,3.32
20	691.8	692.2	692.0	692.0	693.5	691.8	692.1	692.8	10- 20	202.1	272.8	12.8,12.8
30	627.1	626.5	626.6	627.2	628.6	625.6	625.3	628.1	20- 30	305.3	578.1	27.2,27.2
40	540.6	540.2	540.7	540.9	543.0	539.5	539.8	542.9	30- 40	366.8	944.9	44.4,44.4
50	438.8	437.2	437.4	438.9	440.6	437.5	437.7	441.6	40- 50	379.2	1324	62.3,62.3
60	324.5	322.3	322.6	324.3	327.2	323.3	323.9	328.1	50- 60	342.1	1666	78.3,78.3
70	204.1	200.6	201.2	203.8	206.7	202.7	204.0	208.7	60- 70	261.7	1928	90.6,90.6
80	88.35	84.87	85.22	87.50	90.01	86.65	88.40	92.70	70- 80	152.8	2081	97.8,97.8
90	2.021	3.584	3.517	3.412	0.3000	0.3402	0.5487	0.8052	80- 90	43.41	2124	99.9,99.9
100	0.2108	0.2094	0.2107	0.2139	0.0792	0.0783	0.0782	0.0790	90-100	0.2165	2124	99.9,99.9
110	0.2823	0.2790	0.2773	0.2807	0.1475	0.1456	0.1474	0.1519	100-110	0.1873	2124	99.9,99.9
120	0.3903	0.3875	0.3867	0.3879	0.2338	0.2330	0.2337	0.2400	110-120	0.2562	2125	99.9,99.9
130	0.5908	0.5826	0.5824	0.5865	0.3238	0.3218	0.3203	0.3310	120-130	0.3385	2125	99.9,99.9
140	0.9685	0.9609	0.9588	0.9635	0.3958	0.3978	0.3997	0.4107	130-140	0.4296	2125	99.9,99.9
150	1.362	1.369	1.370	1.370	0.4798	0.4885	0.4890	0.4900	140-150	0.5033	2126	100,100
160	1.623	1.640	1.641	1.638	0.6375	0.6465	0.6508	0.6372	150-160	0.4801	2126	100,100
170	1.496	1.509	1.511	1.500	0.8518	0.8472	0.8558	0.8471	160-170	0.3307	2127	100,100
180	1.218	1.222	1.220	1.222	1.221	1.224	1.224	1.225	170-180	0.1141	2127	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1136.1 lm

%lum = 53.4%
 %lamp = 53.4%

Conical surface Flux(120deg): 1666.1 lm

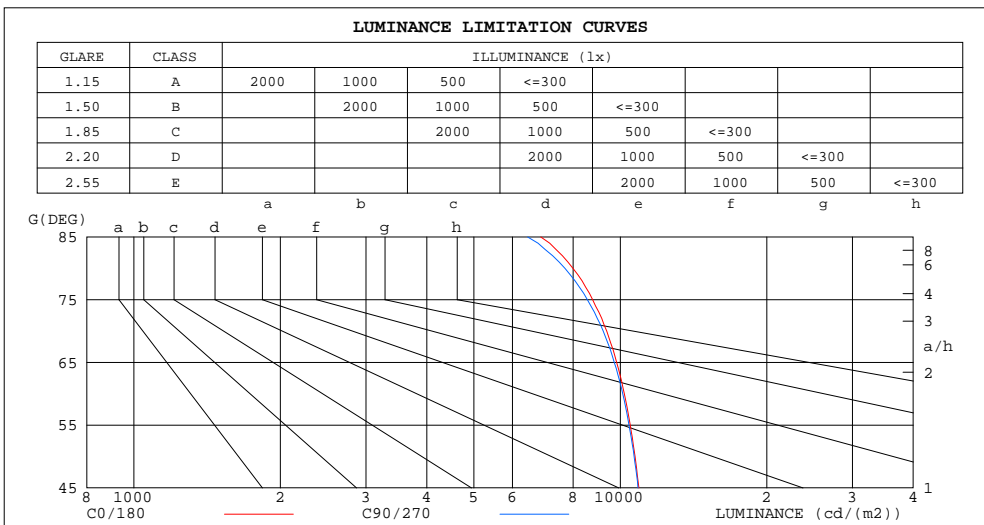
%lum = 78.3%
 %lamp = 78.3%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:Water
 Test Date:2024-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:39%
 Test Distance:2.519m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.02V I:0.2189A P:24.490W PF:0.9322 Freq:60.00Hz Lamp Flux:2126.9x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-MPR-12D24WH 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	6862	6449
80	7992	7695
75	8773	8555
70	9375	9223
65	9827	9716
60	10193	10115
55	10480	10419
50	10722	10670
45	10919	10869

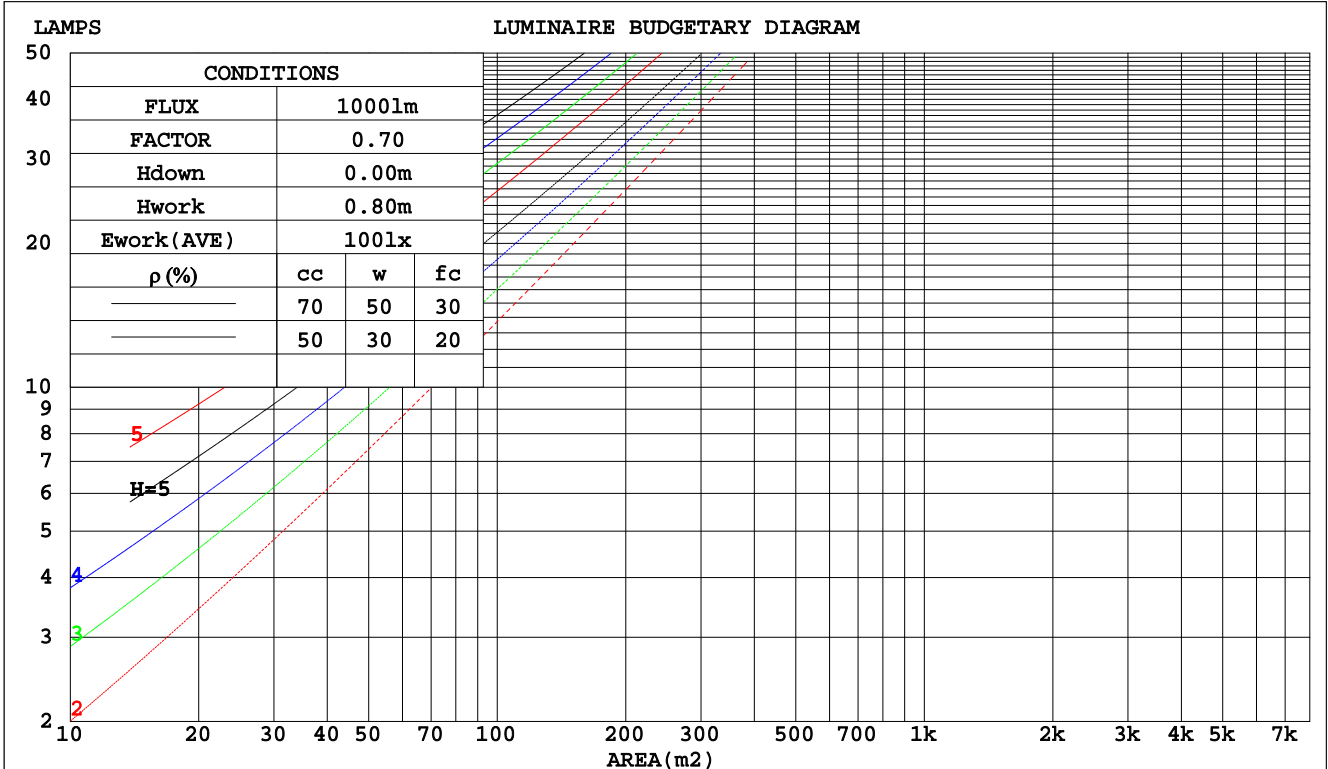
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Water
 Test Date: 2024-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 39%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.02V I:0.2189A P:24.490W PF:0.9322 Freq:60.00Hz Lamp Flux:2126.9x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-MPR-12D24WH 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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:Water
 Test Date:2024-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:39%
 Test Distance:2.519m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.02V I:0.2189A P:24.490W PF:0.9322 Freq:60.00Hz		
Lamp Flux:2126.9x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-MPR-12D24WH 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	.312	.178	.056	.305	.174	.055	.292	.167	.053	.279	.161	.052	.268	.155	.050	
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.254	.144	.045	
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.226	.116	.034	.218	.114	.033	.211	.111	.033	.203	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.182	.157	.135	.155	.135	.116	.106	.093	.080	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.149	.114	.085	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.166	.115	.075	.142	.100	.065	.098	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.136	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.151	.092	.048	.129	.079	.042	.089	.055	.030	.052	.033	.018	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.137	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.130	.071	.030	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.066	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:Water
 Test Date:2024-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:39%
 Test Distance:2.519m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.02V I:0.2189A P:24.490W PF:0.9322 Freq:60.00Hz Lamp Flux:2126.9x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-MPR-12D24WH 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	18.4	19.9	18.7	20.1	20.3	18.4	19.9	18.6	20.1	20.3
3H	19.9	21.3	20.2	21.6	21.8	19.9	21.3	20.2	21.5	21.8
4H	20.5	21.9	20.9	22.1	22.4	20.5	21.8	20.8	22.1	22.3
6H	21.0	22.3	21.3	22.5	22.8	20.9	22.2	21.2	22.4	22.7
8H	21.1	22.4	21.5	22.7	22.9	21.0	22.3	21.4	22.6	22.8
12H	21.2	22.4	21.6	22.7	23.0	21.1	22.3	21.5	22.6	22.9
4H 2H	19.0	20.3	19.3	20.6	20.8	19.0	20.3	19.3	20.6	20.8
3H	20.7	21.9	21.1	22.2	22.5	20.7	21.8	21.0	22.1	22.4
4H	21.5	22.5	21.8	22.9	23.2	21.4	22.5	21.8	22.8	23.1
6H	22.0	23.0	22.4	23.3	23.7	22.0	22.9	22.4	23.3	23.6
8H	22.2	23.1	22.7	23.5	23.9	22.1	23.0	22.6	23.4	23.8
12H	22.4	23.2	22.8	23.6	24.0	22.3	23.1	22.7	23.5	23.9
8H 4H	21.7	22.6	22.1	23.0	23.4	21.7	22.6	22.1	22.9	23.3
6H	22.4	23.2	22.9	23.6	24.0	22.4	23.1	22.8	23.5	23.9
8H	22.7	23.4	23.2	23.8	24.3	22.6	23.3	23.1	23.7	24.2
12H	23.0	23.5	23.4	24.0	24.4	22.8	23.4	23.3	23.9	24.3
12H 4H	21.7	22.5	22.2	22.9	23.3	21.7	22.5	22.1	22.9	23.3
6H	22.5	23.2	23.0	23.6	24.0	22.4	23.1	22.9	23.5	24.0
8H	22.8	23.4	23.3	23.8	24.3	22.7	23.3	23.2	23.8	24.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 2127 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.6)
Area: 0.0637616 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 22.5DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
Temperature:25.0DEG	Humidity:39%
Operators:Water	Test Distance:2.519m [K=1.0000]
Test Date:2024-05-03	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.02V I:0.2189A P:24.490W PF:0.9322 Freq:60.00Hz Lamp Flux:2126.9x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-MPR-12D24WH 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

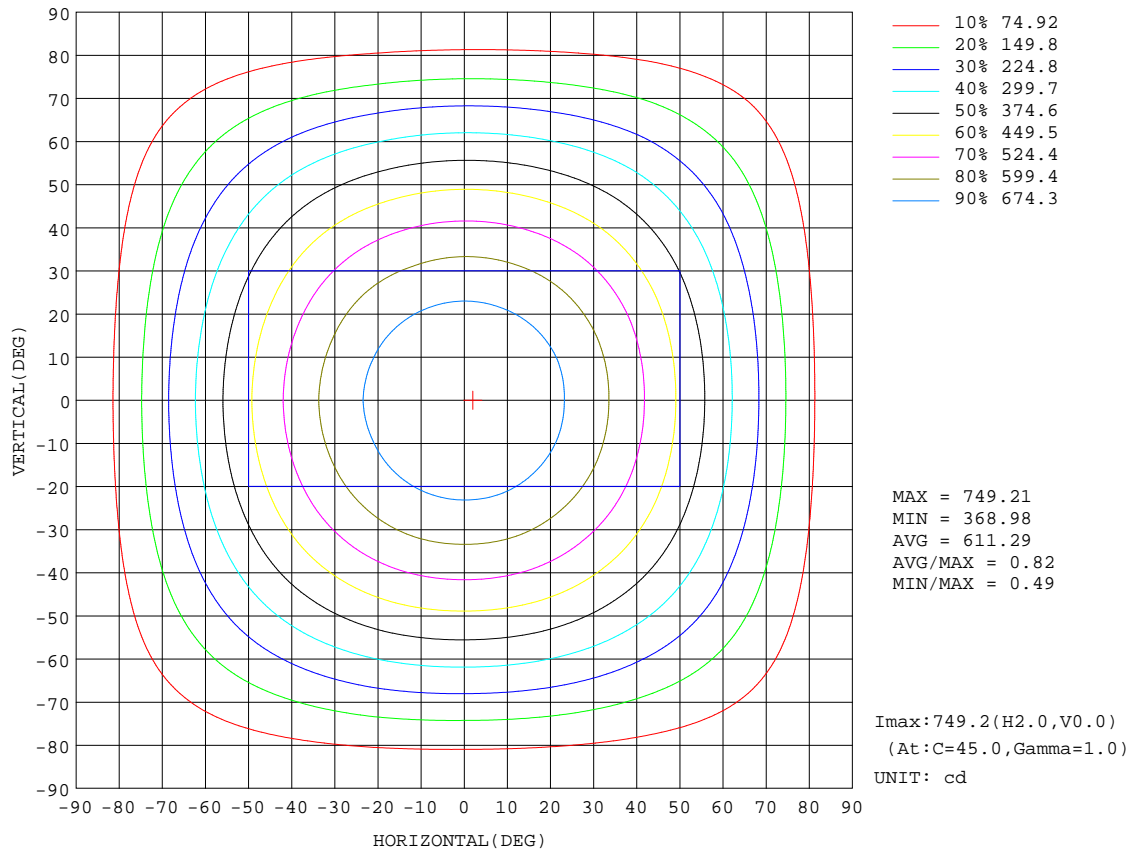
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	46	39	55	45	39	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	65	57	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:25.0DEG
 Operators:Water
 Test Date:2024-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:39%
 Test Distance:2.519m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.02V I:0.2189A P:24.490W PF:0.9322 Freq:60.00Hz Lamp Flux:2126.9x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-MPR-12D24WH 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.: ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A



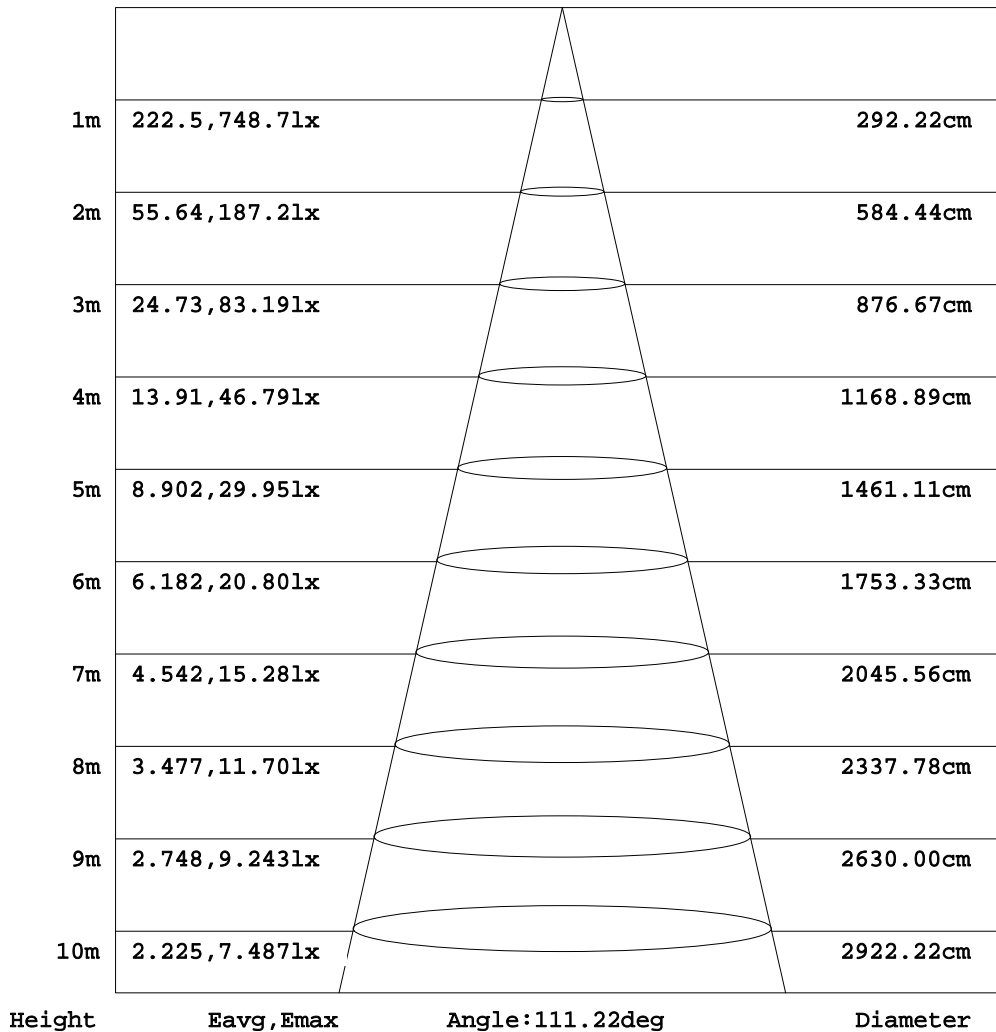
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Water
 Test Date: 2024-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 39%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.02V I:0.2189A P:24.490W PF:0.9322 Freq:60.00Hz Lamp Flux:2126.9x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-MPR-12D24WH 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

Flux out:1537 lm



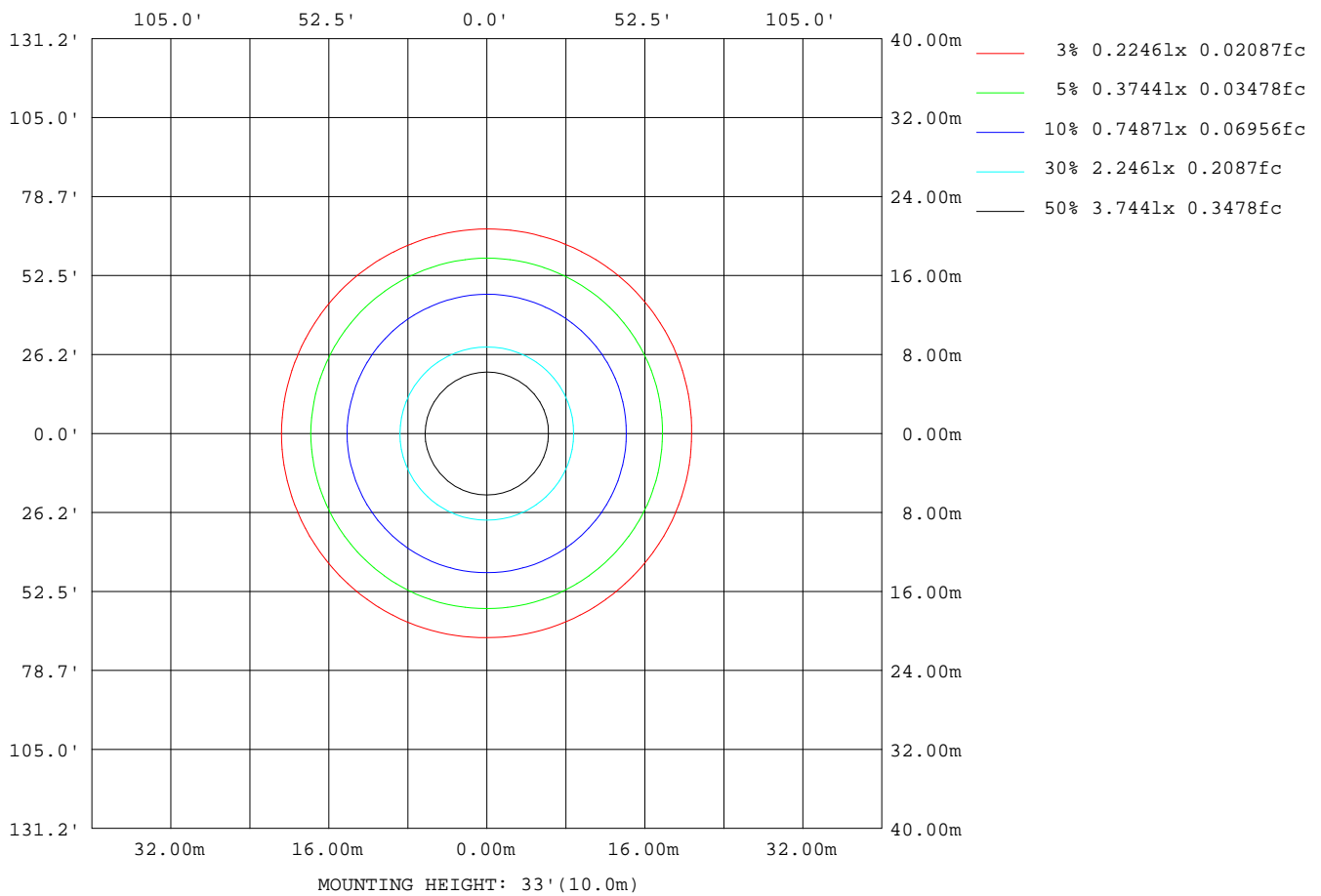
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:Water
 Test Date:2024-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:39%
 Test Distance:2.519m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.02V I:0.2189A P:24.490W PF:0.9322 Freq:60.00Hz Lamp Flux:2126.9x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-MPR-12D24WH 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:25.0DEG
 Operators:Water
 Test Date:2024-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:39%
 Test Distance:2.519m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.02V I:0.2189A P:24.490W PF:0.9322 Freq:60.00Hz Lamp Flux:2126.9x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.:ASD-MPR-12D24WH 5000K	DIM.: N/A	SERIAL No.: N/A
MFR.:ASD Lighting Corp	SUR.: N/A	Shielding Angle: N/A

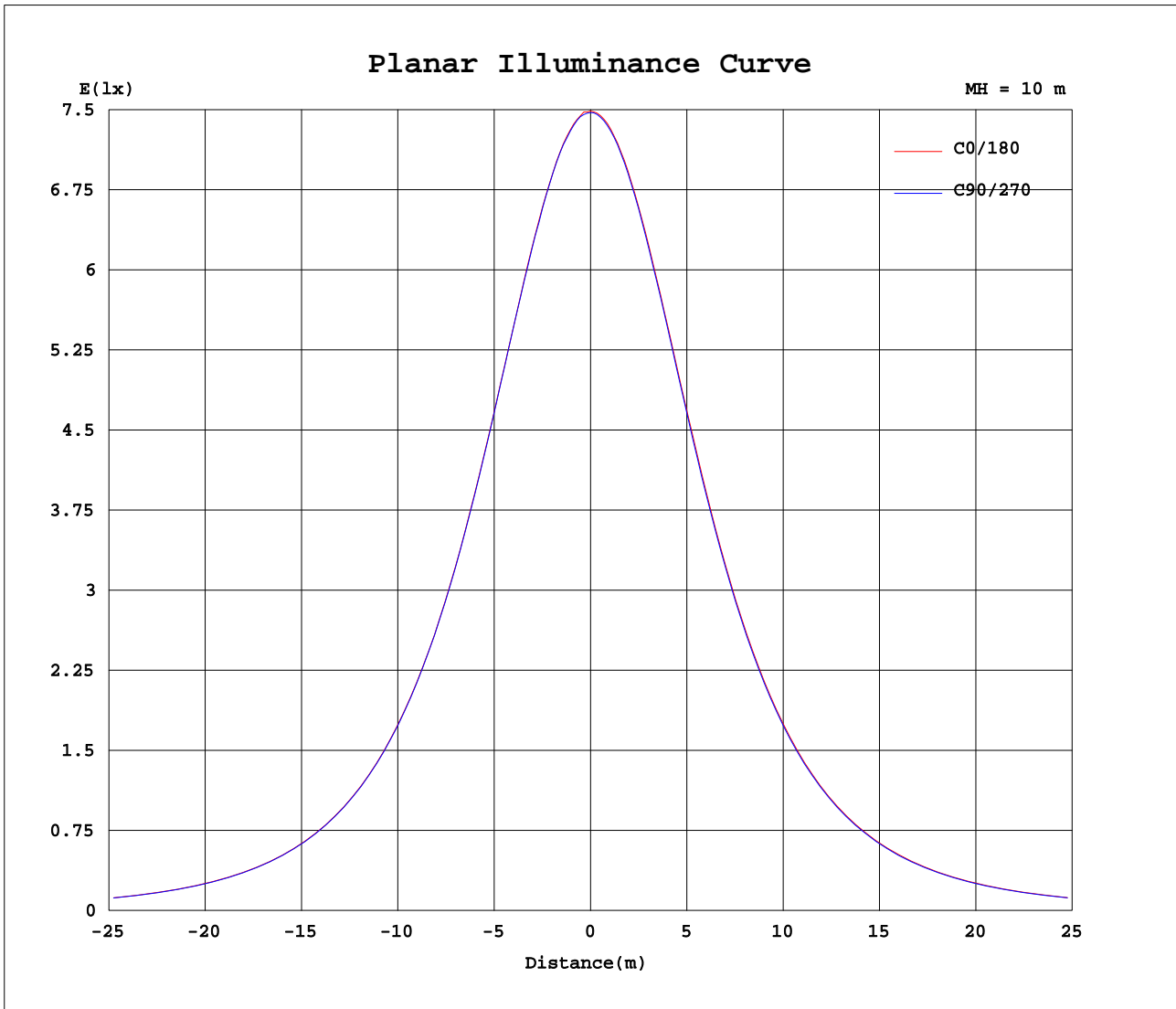
AvgL	cd/m2
L_0~180(65)av	9866
L_0~180(75)av	8838
L_0~180(85)av	6969
L_90~270(65)av	9756
L_90~270(75)av	8656
L_90~270(85)av	6724
L_45(65)av	9816
L_45(75)av	8745
L_45(85)av	6831

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.0DEG
 Operators:Water
 Test Date:2024-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity:39%
 Test Distance:2.519m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.0DEG
 Operators: Water
 Test Date: 2024-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.446
 Humidity: 39%
 Test Distance: 2.519m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.02V I:0.2189A P:24.490W PF:0.9322 Freq:60.00Hz Lamp Flux:2126.9x1 lm		
NAME: LED Luminaire	TYPE: N/A	WEIGHT: N/A
SPEC.: ASD-MPR-12D24WH 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	748	748	748	748	748	748	748	748	748	748	748	748	748	748	748	748			
5	744	745	744	744	744	745	744	744	744	744	744	744	744	744	744	744			
10	733	734	734	734	734	734	733	733	734	733	734	733	733	733	734	734			
15	716	717	716	717	715	717	716	716	717	717	716	715	716	716	717	717			
20	692	693	692	693	692	693	692	692	693	692	692	691	692	692	693	693			
25	663	663	662	663	663	663	662	662	663	662	661	660	661	662	663	664			
30	627	627	626	627	627	628	627	627	629	627	626	625	625	627	628	629			
35	586	587	585	587	585	587	586	586	588	586	585	584	585	586	588	589			
40	541	541	540	541	541	542	541	541	543	541	540	538	540	541	543	543			
45	492	492	490	492	490	493	491	492	494	492	490	489	490	492	494	495			
50	439	440	437	438	437	439	439	439	441	439	437	436	438	439	442	442			
55	383	383	381	382	381	383	383	383	385	383	382	380	382	383	386	386			
60	324	324	322	323	323	325	324	325	327	324	323	322	324	325	328	328			
65	264	264	262	262	262	265	264	265	267	264	263	262	264	266	269	269			
70	204	204	201	201	201	204	204	205	207	204	203	201	204	206	209	208			
75	145	144	141	142	141	144	144	145	147	144	143	142	144	146	149	149			
80	88.3	87.1	84.9	84.9	85.2	87.2	87.5	87.8	90.0	87.7	86.7	86.1	88.4	90.5	92.7	92.7			
85	38.1	37.4	36.0	36.0	35.9	37.0	36.8	36.9	39.4	37.9	37.4	37.0	38.9	40.2	41.7	41.3			
90	2.02	0.19	3.58	0.18	3.52	0.15	3.41	0.15	0.30	2.46	0.34	2.49	0.55	2.99	0.81	3.21			
95	0.18	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.06			
100	0.21	0.21	0.21	0.20	0.21	0.21	0.21	0.21	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08			
105	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.24	0.11	0.11	0.11	0.11	0.11	0.11	0.12			
110	0.28	0.28	0.28	0.27	0.28	0.27	0.28	0.28	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16			
115	0.33	0.32	0.32	0.32	0.32	0.32	0.33	0.32	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19			
120	0.39	0.38	0.39	0.38	0.39	0.38	0.39	0.38	0.23	0.24	0.23	0.24	0.23	0.24	0.24	0.24			
125	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29			
130	0.59	0.58	0.58	0.58	0.58	0.58	0.59	0.58	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.34			
135	0.75	0.73	0.74	0.73	0.74	0.74	0.74	0.73	0.36	0.37	0.36	0.36	0.36	0.37	0.37	0.37			
140	0.97	0.95	0.96	0.95	0.96	0.96	0.96	0.95	0.40	0.40	0.40	0.40	0.40	0.41	0.41	0.41			
145	1.18	1.17	1.18	1.17	1.18	1.18	1.18	1.17	0.43	0.43	0.44	0.44	0.44	0.45	0.44	0.44			
150	1.36	1.36	1.37	1.36	1.37	1.37	1.37	1.36	0.48	0.49	0.49	0.49	0.49	0.50	0.49	0.49			
155	1.53	1.55	1.55	1.54	1.55	1.54	1.54	1.54	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.55			
160	1.62	1.64	1.64	1.64	1.64	1.64	1.64	1.63	0.64	0.65	0.65	0.65	0.65	0.65	0.64	0.64			
165	1.59	1.61	1.61	1.61	1.61	1.61	1.60	1.60	0.74	0.74	0.74	0.74	0.75	0.75	0.74	0.74			
170	1.50	1.51	1.51	1.51	1.51	1.51	1.50	1.50	0.85	0.85	0.85	0.85	0.86	0.86	0.85	0.85			
175	1.40	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.02	1.02	1.01	1.01	1.02	1.02	1.02	1.01			
180	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.23	1.22	1.22	1.22	1.23	1.23	1.22			

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