

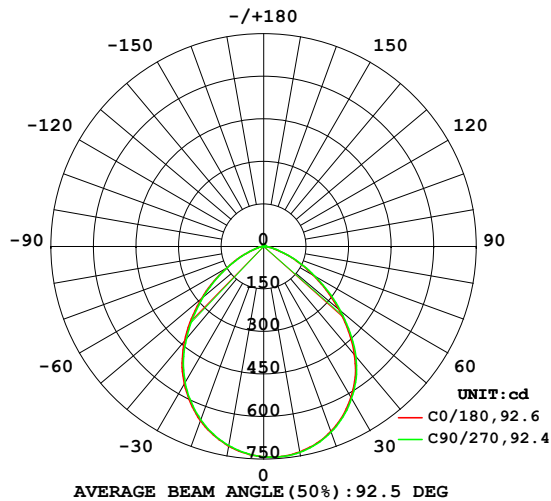
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

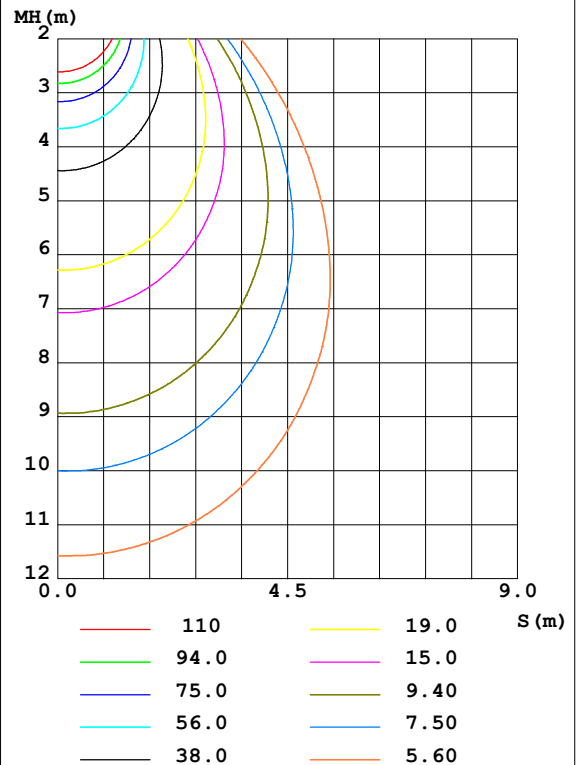
Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1613.65x1 lm		
NAME: ASD-CDL7-6A22WH-MS	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.50 lm/W			
MODEL	ASD-CDL7-6A22WH-MS	I _{max} (cd)	746.2	S/MH (C0/180)	1.14
NOMINAL POWER (W)	20	LOR (%)	100.0	S/MH (C90/270)	1.13
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1613.7	η UP, DN (C0-180)	0.9, 53.0
NOMINAL FLUX (lm)	1613.65	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.9, 45.2
LAMPS INSIDE	1	η up (%)	1.8	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	98.2	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: WG
Test Date: 2025-04-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	735.3	741.5	736.9	727.2	714.8	708.4	712.5	722.5	0- 10	70.00	70.00	4.34,4.34
20	693.4	705.6	696.1	677.9	653.0	642.4	650.2	668.6	10- 20	198.2	268.2	16.6,16.6
30	614.9	631.7	619.3	594.4	560.7	543.6	554.8	579.5	20- 30	291.8	560.0	34.7,34.7
40	498.0	521.2	506.4	473.7	434.3	415.8	424.2	452.5	30- 40	331.2	891.2	55.2,55.2
50	346.3	370.1	354.1	331.5	286.4	269.1	278.8	304.5	40- 50	302.2	1193	74,74
60	201.3	217.1	208.3	188.6	149.1	135.3	145.4	167.4	50- 60	218.9	1412	87.5,87.5
70	87.94	94.96	92.49	76.19	53.12	44.95	52.07	66.92	60- 70	118.1	1530	94.8,94.8
80	25.20	30.92	25.42	21.87	14.11	12.12	14.31	18.40	70- 80	43.27	1574	97.5,97.5
90	4.653	7.660	4.536	3.371	1.799	1.855	1.823	1.677	80- 90	11.01	1585	98.2,98.2
100	3.651	3.594	3.556	3.640	2.617	2.690	2.611	2.412	90-100	3.184	1588	98.4,98.4
110	4.084	4.031	3.981	4.078	3.538	3.596	3.509	3.305	100-110	3.621	1591	98.6,98.6
120	4.559	4.512	4.438	4.525	4.474	4.523	4.416	4.160	110-120	4.078	1596	98.9,98.9
130	5.025	5.010	4.900	4.966	5.323	5.360	5.235	4.977	120-130	4.290	1600	99.1,99.1
140	5.505	5.542	5.359	5.427	6.019	6.085	5.962	5.732	130-140	4.181	1604	99.4,99.4
150	6.004	6.093	5.879	5.959	6.704	6.866	6.632	6.442	140-150	3.766	1608	99.6,99.6
160	6.709	6.609	6.578	6.641	7.390	7.364	7.289	7.104	150-160	3.064	1611	99.8,99.8
170	7.464	7.345	7.324	7.359	7.931	7.742	7.789	7.616	160-170	2.052	1613	100,100
180	7.992	7.888	7.846	7.822	8.053	7.843	7.888	7.800	170-180	0.7364	1614	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

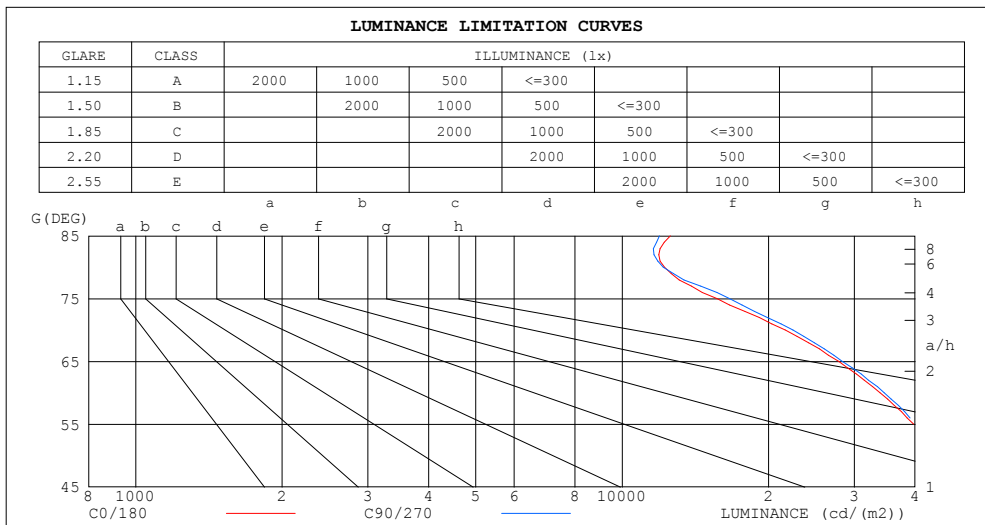
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1613.65x1 lm		
NAME: ASD-CDL7-6A22WH-MS	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12555	11923
80	12224	12147
75	15668	16619
70	21655	22441
65	27890	28324
60	33905	34567
55	39728	40327
50	45372	45711
45	50482	50721

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WG
Test Date:2025-04-19

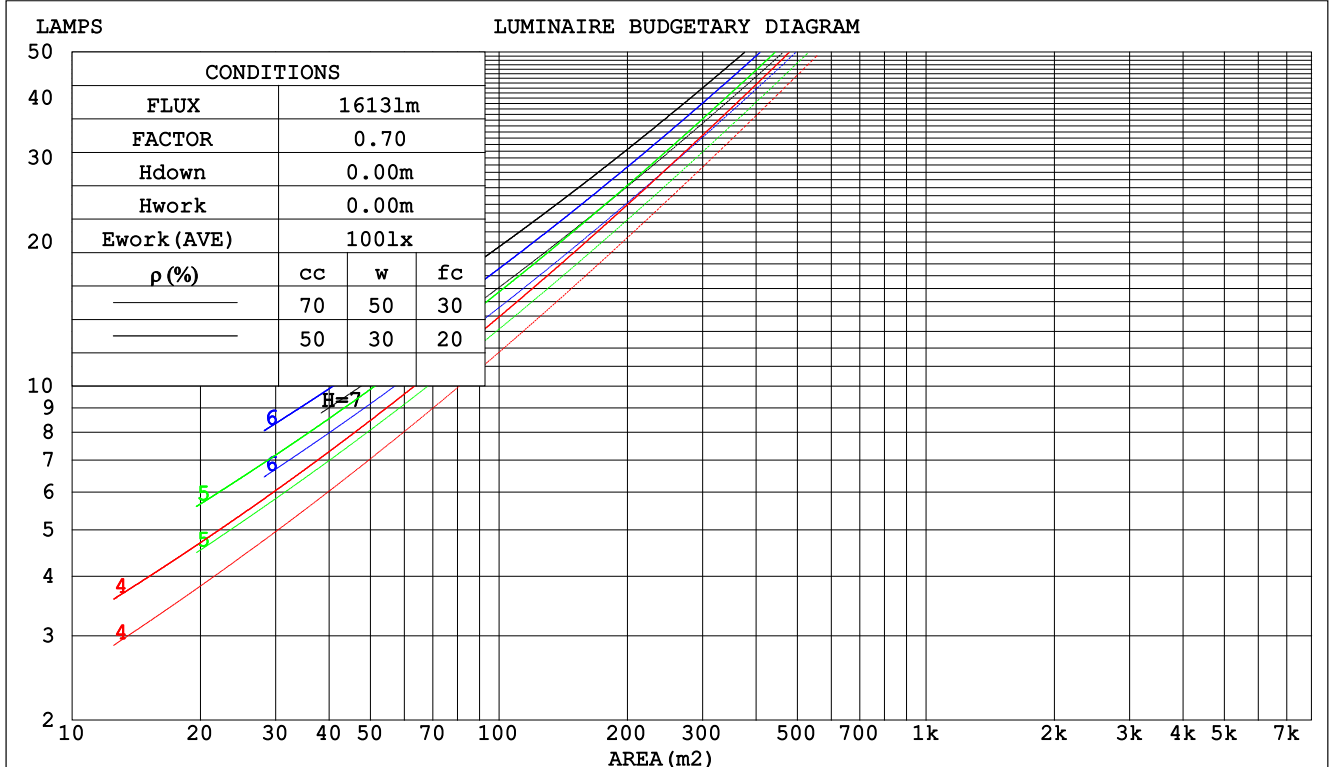
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γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1613.65x1 lm		
NAME: ASD-CDL7-6A22WH-MS	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.06	1.03	.99	1.04	1.01	.98	.99	.97	.94	.95	.93	.91	.91	.90	.88	.86
2.0	.94	.89	.84	.93	.87	.83	.89	.84	.80	.85	.82	.78	.82	.79	.76	.74
3.0	.84	.77	.72	.83	.76	.71	.80	.74	.69	.77	.72	.68	.74	.70	.67	.65
4.0	.76	.68	.62	.74	.67	.61	.72	.65	.60	.69	.64	.59	.67	.62	.58	.56
5.0	.68	.60	.54	.67	.60	.54	.65	.58	.53	.63	.57	.52	.61	.56	.52	.50
6.0	.62	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.56	.50	.46	.44
7.0	.57	.49	.43	.56	.48	.43	.54	.47	.42	.53	.46	.42	.51	.46	.41	.40
8.0	.52	.44	.39	.51	.44	.38	.50	.43	.38	.48	.42	.38	.47	.42	.37	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.32
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.41	.35	.31	.29



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WG
Test Date:2025-04-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1613.65x1 lm					
NAME: ASD-CDL7-6A22WH-MS			TYPE:		WEIGHT:
SPEC.:5000K			DIM.: 6		SERIAL No.:
MFR.: ASD Lighting Corp			SUR.:0.126		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.258	.146	.046	.250	.143	.045	.236	.135	.043	.223	.129	.041	.211	.122	.039	
2.0	.249	.136	.042	.242	.133	.041	.230	.128	.040	.219	.123	.038	.208	.118	.037	
3.0	.235	.125	.037	.229	.123	.037	.218	.118	.036	.208	.114	.035	.199	.110	.034	
4.0	.221	.115	.034	.216	.113	.033	.206	.109	.033	.197	.106	.032	.189	.103	.031	
5.0	.207	.106	.031	.203	.104	.030	.194	.101	.030	.186	.098	.029	.179	.095	.029	
6.0	.194	.097	.028	.190	.096	.028	.183	.094	.027	.175	.091	.027	.169	.089	.026	
7.0	.183	.090	.026	.179	.089	.025	.172	.087	.025	.166	.085	.025	.160	.083	.024	
8.0	.172	.084	.024	.169	.083	.023	.163	.081	.023	.157	.079	.023	.151	.078	.023	
9.0	.162	.079	.022	.159	.078	.022	.154	.076	.022	.149	.074	.021	.144	.073	.021	
10.0	.153	.074	.020	.151	.073	.020	.146	.071	.020	.141	.070	.020	.136	.069	.020	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.190	.170	.152	.163	.146	.131	.111	.101	.091	.064	.058	.053	.021	.019	.017	
2.0	.180	.146	.117	.154	.126	.101	.106	.087	.071	.061	.051	.041	.020	.016	.013	
3.0	.172	.128	.093	.147	.110	.081	.101	.077	.057	.058	.045	.033	.019	.015	.011	
4.0	.164	.114	.077	.141	.099	.067	.097	.069	.047	.056	.040	.028	.018	.013	.009	
5.0	.157	.104	.065	.134	.090	.056	.093	.063	.040	.054	.037	.024	.017	.012	.008	
6.0	.150	.095	.056	.129	.082	.049	.089	.058	.035	.052	.034	.021	.017	.011	.007	
7.0	.143	.088	.050	.123	.076	.043	.085	.054	.031	.050	.032	.018	.016	.010	.006	
8.0	.137	.082	.045	.118	.071	.039	.082	.050	.028	.048	.030	.016	.015	.010	.005	
9.0	.132	.077	.041	.114	.067	.036	.079	.047	.025	.046	.028	.015	.015	.009	.005	
10.0	.127	.073	.038	.109	.064	.033	.076	.045	.023	.044	.026	.014	.014	.009	.005	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1613.65x1 lm											
NAME: ASD-CDL7-6A22WH-MS					TYPE:			WEIGHT:			
SPEC.:5000K					DIM.: 6			SERIAL No.:			
MFR.: ASD Lighting Corp					SUR.:0.126			Shielding Angle:			
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	24.0	25.3	24.3	25.5	25.8	24.0	25.4	24.3	25.6	25.8	
	3H	24.6	25.9	24.9	26.1	26.4	24.7	25.9	25.0	26.2	26.4
	4H	24.8	25.9	25.1	26.2	26.5	24.8	26.0	25.2	26.3	26.6
	6H	24.8	25.9	25.2	26.2	26.5	24.9	26.0	25.2	26.3	26.6
	8H	24.8	25.9	25.2	26.2	26.5	24.9	25.9	25.3	26.3	26.6
	12H	24.8	25.8	25.2	26.1	26.5	24.9	25.9	25.3	26.2	26.6
4H	2H	24.3	25.5	24.6	25.8	26.0	24.4	25.5	24.7	25.8	26.1
	3H	25.1	26.1	25.5	26.4	26.8	25.2	26.2	25.5	26.5	26.8
	4H	25.3	26.2	25.7	26.6	26.9	25.4	26.3	25.8	26.7	27.0
	6H	25.4	26.2	25.8	26.6	27.0	25.5	26.3	25.9	26.7	27.1
	8H	25.5	26.2	25.9	26.6	27.0	25.5	26.3	26.0	26.7	27.1
	12H	25.5	26.2	25.9	26.6	27.0	25.6	26.2	26.0	26.7	27.1
8H	4H	25.4	26.1	25.8	26.5	26.9	25.4	26.2	25.9	26.6	27.0
	6H	25.6	26.2	26.0	26.6	27.1	25.6	26.2	26.1	26.7	27.1
	8H	25.6	26.2	26.1	26.6	27.1	25.7	26.3	26.2	26.7	27.2
	12H	25.7	26.2	26.2	26.7	27.2	25.8	26.2	26.3	26.7	27.2
12H	4H	25.3	26.0	25.8	26.4	26.9	25.4	26.1	25.9	26.5	26.9
	6H	25.6	26.1	26.0	26.6	27.0	25.6	26.2	26.1	26.6	27.1
	8H	25.7	26.1	26.2	26.6	27.1	25.7	26.2	26.2	26.7	27.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.4					
2.0H	+ 0.7 / - 0.8					+ 0.7 / - 0.8					

CIE Pub.117, 1614 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.7)
Area: 0.012 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:WG
Test Date:2025-04-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1613.65x1 lm		
NAME: ASD-CDL7-6A22WH-MS	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:

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	53	47	63	53	46	61	52	46	40
0.80	73	63	57	72	63	57	71	62	56	50
1.00	82	72	66	81	71	65	78	72	65	58
1.25	88	79	73	87	79	73	84	77	72	65
1.50	93	85	79	91	84	78	88	82	77	70
2.00	99	92	86	97	91	86	94	88	84	77
2.50	102	96	91	100	94	90	96	91	88	80
3.00	105	99	95	103	98	93	99	95	91	83
4.00	108	104	100	106	102	98	102	98	95	86
5.00	110	106	103	108	104	101	103	100	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

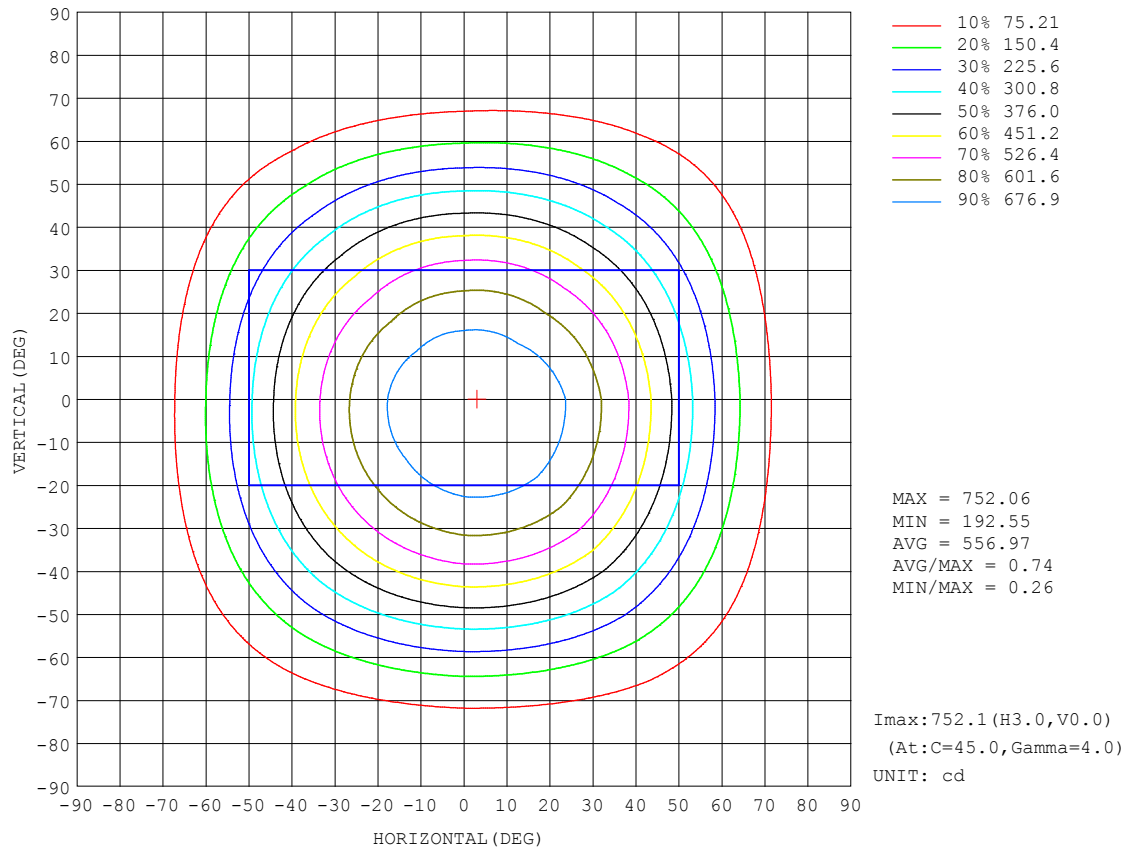
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1613.65x1 lm		
NAME: ASD-CDL7-6A22WH-MS	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:



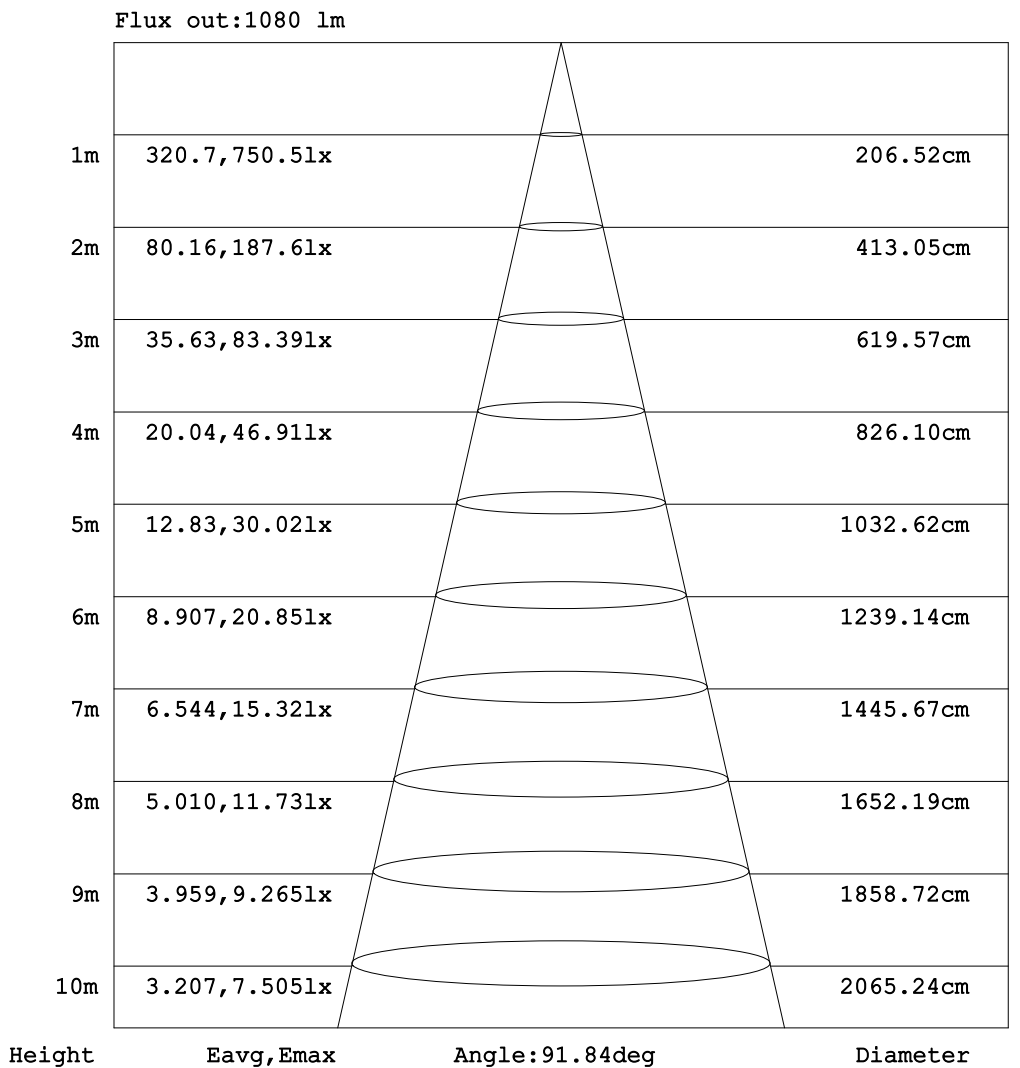
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 Humidity:65.0%
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1613.65x1 lm		
NAME: ASD-CDL7-6A22WH-MS	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:



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

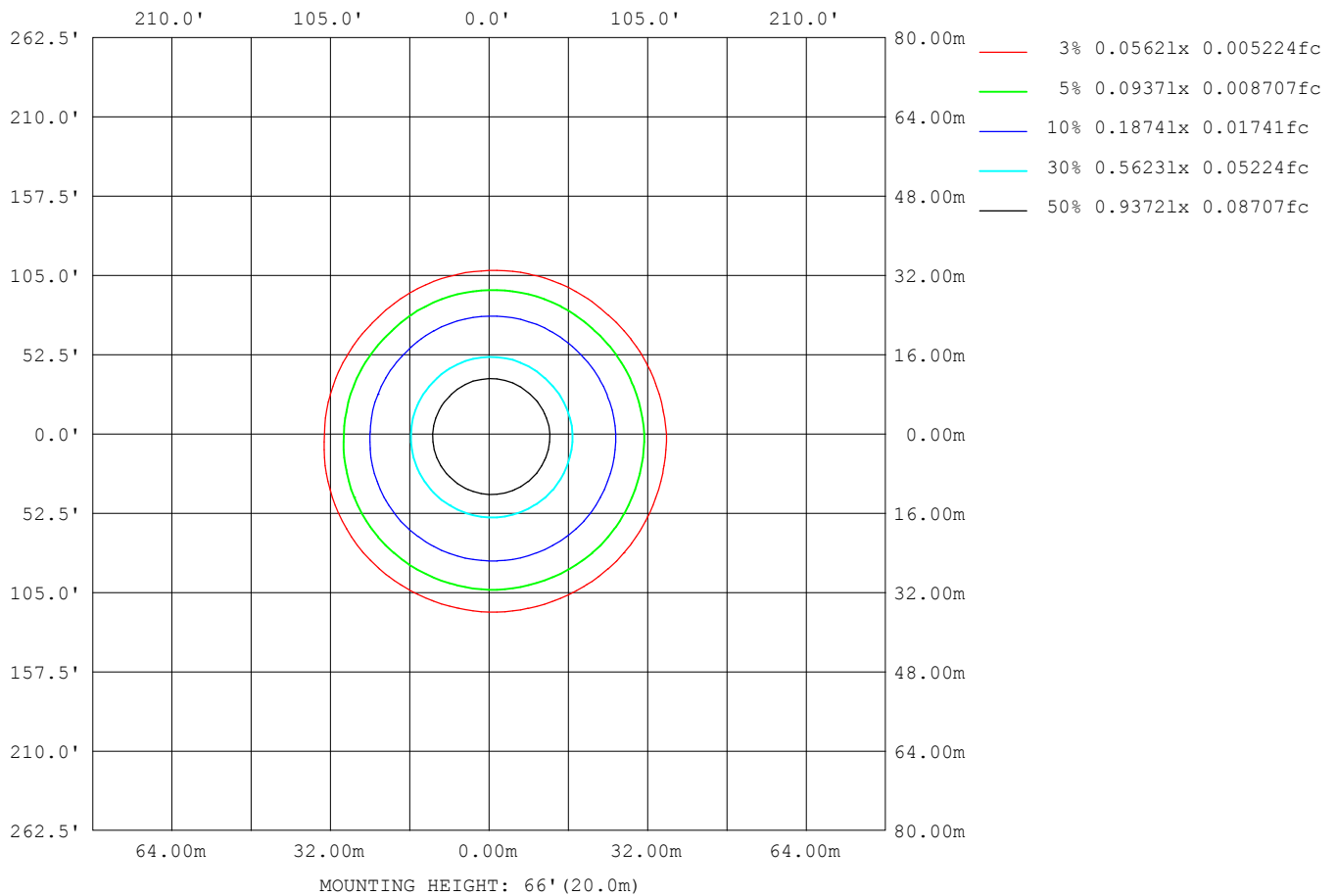
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Humidity: 65.0%
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1613.65x1 lm		
NAME: ASD-CDL7-6A22WH-MS	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1613.65x1 lm		
NAME: ASD-CDL7-6A22WH-MS	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
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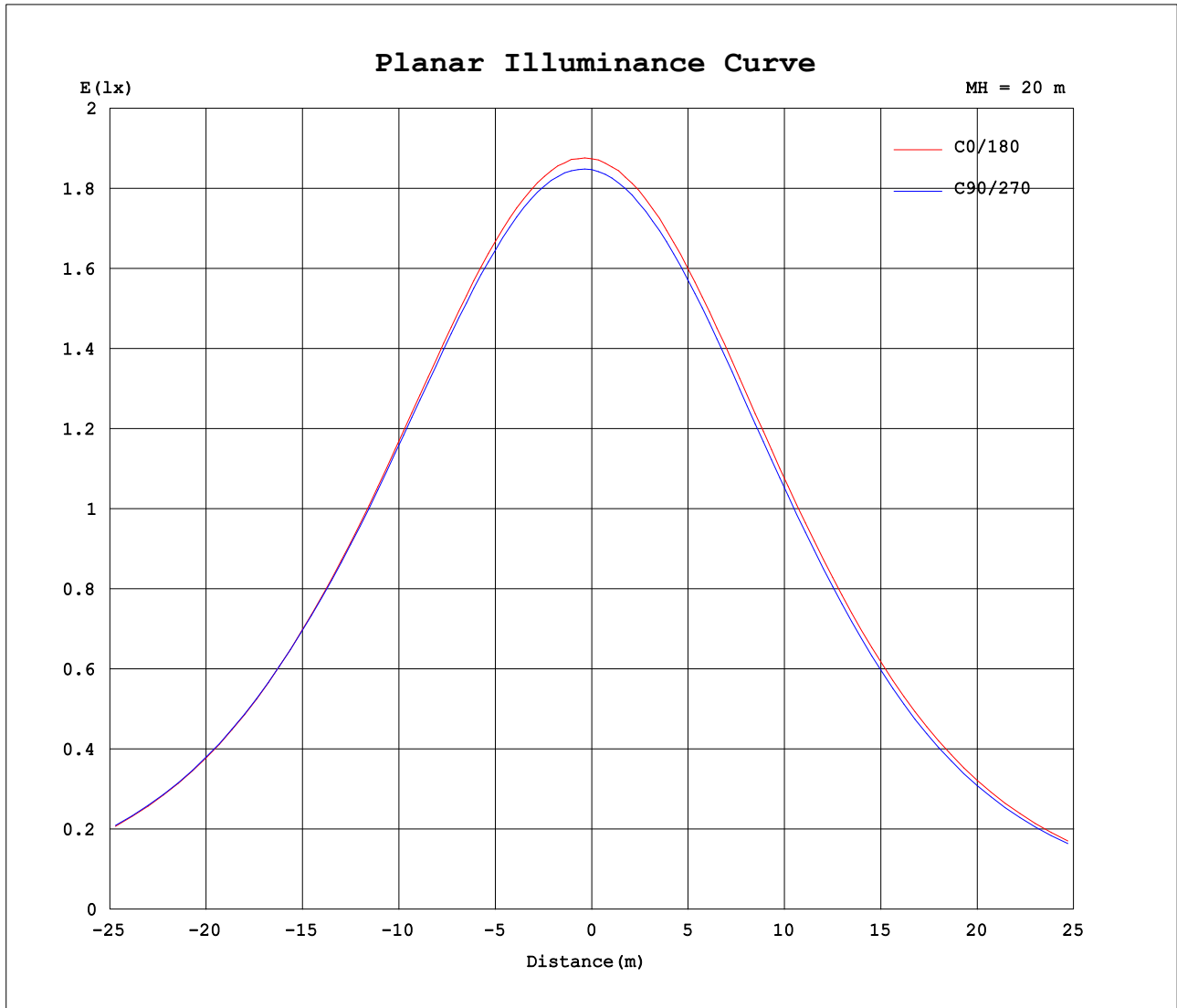
AvgL	cd/m2
L_0~180 (65) av	23162
L_0~180 (75) av	12071
L_0~180 (85) av	8231
L_90~270 (65) av	23373
L_90~270 (75) av	12678
L_90~270 (85) av	8323
L_45 (65) av	23062
L_45 (75) av	12558
L_45 (85) av	9488

Standard: GB/T 29293-2012

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Humidity:65.0%
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Remarks:

Planar Illuminance Curve



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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1613.65x1 lm		
NAME: ASD-CDL7-6A22WH-MS	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	742	742	742	742	742	742	742	742										
5	743	746	743	739	732	729	731	736										
10	735	742	737	727	715	708	713	722										
15	719	728	721	707	688	679	685	700										
20	693	706	696	678	653	642	650	669										
25	659	673	663	640	610	596	606	628										
30	615	632	619	594	561	544	555	579										
35	562	582	569	539	502	483	494	521										
40	498	521	506	474	434	416	424	453										
45	424	449	432	403	361	344	351	379										
50	346	370	354	332	286	269	279	305										
55	271	291	279	258	216	198	210	233										
60	201	217	208	189	149	135	145	167										
65	140	148	144	125	95.0	83.1	92.8	112										
70	87.9	95.0	92.5	76.2	53.1	45.0	52.1	66.9										
75	48.1	55.8	51.8	40.8	26.8	23.5	26.9	36.0										
80	25.2	30.9	25.4	21.9	14.1	12.1	14.3	18.4										
85	13.0	16.9	12.5	11.4	4.22	3.09	4.89	8.26										
90	4.65	7.66	4.54	3.37	1.80	1.86	1.82	1.68										
95	3.46	3.42	3.37	3.46	2.18	2.25	2.19	2.01										
100	3.65	3.59	3.56	3.64	2.62	2.69	2.61	2.41										
105	3.86	3.80	3.76	3.85	3.06	3.13	3.05	2.85										
110	4.08	4.03	3.98	4.08	3.54	3.60	3.51	3.31										
115	4.33	4.26	4.21	4.31	4.04	4.09	3.97	3.74										
120	4.56	4.51	4.44	4.53	4.47	4.52	4.42	4.16										
125	4.79	4.74	4.67	4.75	4.92	5.02	4.84	4.60										
130	5.02	5.01	4.90	4.97	5.32	5.36	5.24	4.98										
135	5.26	5.27	5.13	5.20	5.68	5.74	5.61	5.36										
140	5.51	5.54	5.36	5.43	6.02	6.08	5.96	5.73										
145	5.73	5.82	5.60	5.68	6.39	6.48	6.29	6.09										
150	6.00	6.09	5.88	5.96	6.70	6.87	6.63	6.44										
155	6.34	6.35	6.21	6.29	7.05	7.12	6.96	6.78										
160	6.71	6.61	6.58	6.64	7.39	7.36	7.29	7.10										
165	7.09	6.98	6.96	7.01	7.69	7.55	7.56	7.38										
170	7.46	7.34	7.32	7.36	7.93	7.74	7.79	7.62										
175	7.78	7.67	7.63	7.64	8.06	7.85	7.90	7.77										
180	7.99	7.89	7.85	7.82	8.05	7.84	7.89	7.80										

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