

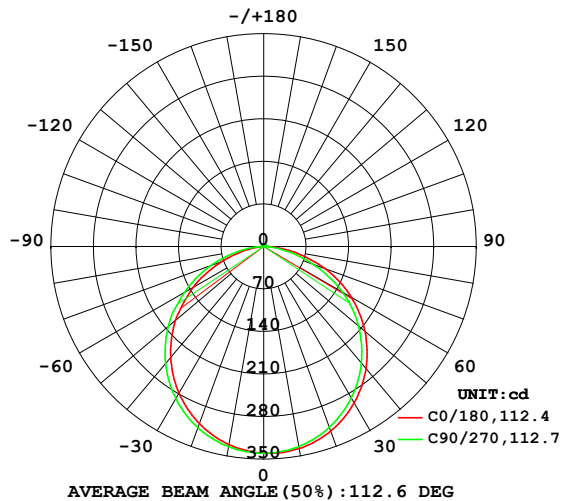
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

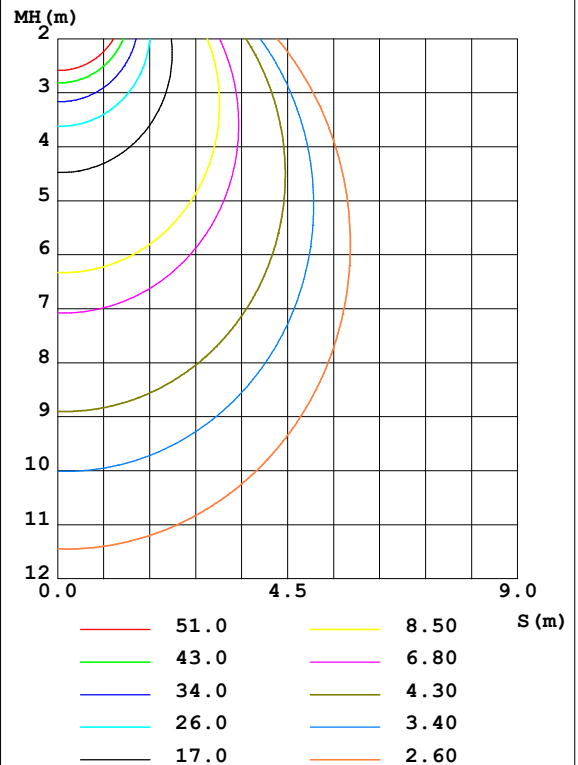
Test:U:120.10V I:0.1030A P:12.000W PF:0.9690 Freq:60.00Hz Lamp Flux:987.128x1 lm		
NAME: ASD-JBR-6D12NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 82.26 lm/W
MODEL	ASD-JBR-6D12NK	I _{max} (cd)	340.6	S/MH (C0/180)	1.23	
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	1.26	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	987.13	η UP, DN (C0-180)	0.9, 50.1	
NOMINAL FLUX (lm)	987.128	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 48.2	
LAMPS INSIDE	1	η up (%)	1.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	120.0	η down (%)	98.3	CIBSE SHR MAX	1.35	

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: DAMIN
Test Date: 2025-02-18

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	337.5	336.4	334.1	332.2	330.8	332.0	334.5	336.1	0- 10	32.19	32.19	3.26,3.26
20	323.1	321.1	316.6	312.9	310.2	312.7	317.5	320.4	10- 20	92.28	124.5	12.6,12.6
30	297.7	295.1	288.2	282.9	278.8	282.5	289.3	293.6	20- 30	140.1	264.5	26.8,26.8
40	262.0	258.9	250.1	243.3	238.2	242.8	251.3	256.9	30- 40	169.3	433.8	43.9,43.9
50	217.7	214.0	203.8	195.8	189.8	195.2	205.1	211.6	40- 50	176.0	609.8	61.8,61.8
60	166.3	159.9	149.1	140.1	133.4	141.5	150.0	159.7	50- 60	158.7	768.5	77.9,77.9
70	107.6	103.1	86.51	82.26	73.82	83.78	93.27	103.0	60- 70	119.9	888.5	90,90
80	46.53	44.50	30.66	26.71	20.23	28.01	35.99	44.27	70- 80	65.75	954.2	96.7,96.7
90	5.305	4.750	2.084	2.141	1.402	1.414	1.586	4.613	80- 90	16.14	970.4	98.3,98.3
100	2.213	2.237	2.274	2.333	1.752	1.663	1.609	1.536	90-100	2.099	972.5	98.5,98.5
110	2.463	2.481	2.522	2.568	2.146	2.051	1.989	1.913	100-110	2.228	974.7	98.7,98.7
120	2.695	2.696	2.740	2.778	2.537	2.428	2.381	2.297	110-120	2.402	977.1	99,99
130	2.895	2.894	2.940	2.969	2.899	2.784	2.752	2.665	120-130	2.430	979.5	99.2,99.2
140	3.119	3.138	3.191	3.235	3.275	3.167	3.130	3.055	130-140	2.323	981.8	99.5,99.5
150	3.415	3.450	3.491	3.544	3.633	3.535	3.506	3.438	140-150	2.089	983.9	99.7,99.7
160	3.754	3.765	3.810	3.848	3.948	3.859	3.843	3.783	150-160	1.692	985.6	99.8,99.8
170	4.053	4.045	4.063	4.087	4.183	4.106	4.110	4.037	160-170	1.119	986.7	100,100
180	4.248	4.206	4.216	4.208	4.268	4.198	4.216	4.184	170-180	0.3955	987.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

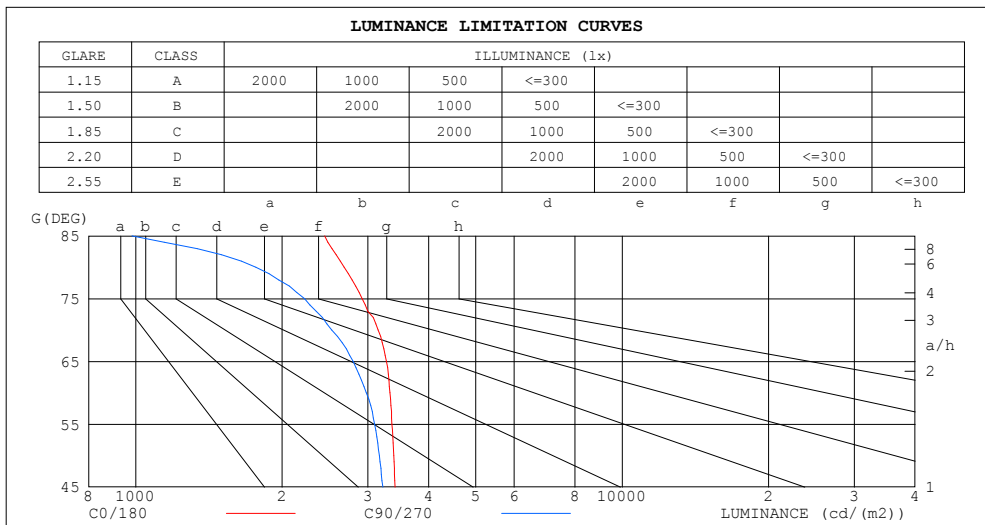
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-18

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:0.1030A P:12.000W PF:0.9690 Freq:60.00Hz Lamp Flux:987.128x1 lm		
NAME: ASD-JBR-6D12NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2445	982
80	2684	1765
75	2918	2224
70	3151	2528
65	3276	2800
60	3331	2979
55	3364	3099
50	3392	3168
45	3412	3223

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-02-18

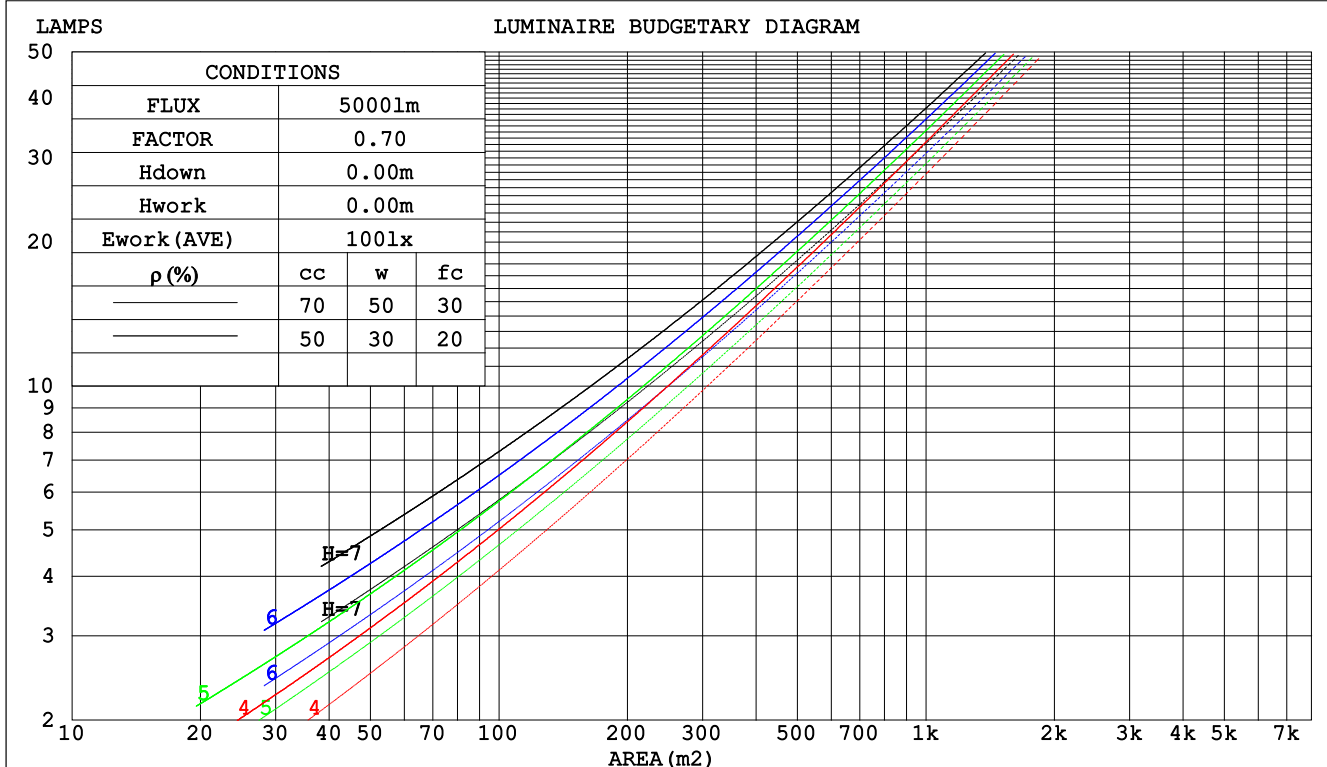
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γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.1030A P:12.000W PF:0.9690 Freq:60.00Hz Lamp Flux:987.128x1 lm		
NAME: ASD-JBR-6D12NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	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	1.04	.99	.96	1.01	.97	.94	.97	.93	.91	.92	.90	.88	.89	.87	.85	.82
2.0	.90	.84	.78	.88	.82	.77	.84	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.65	.78	.70	.64	.74	.68	.63	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.51	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.36	.47	.40	.35	.45	.39	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-02-18

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:0.1030A P:12.000W PF:0.9690 Freq:60.00Hz Lamp Flux:987.128x1 lm					
NAME: ASD-JBR-6D12NK			TYPE:		WEIGHT:
SPEC.:5000K			DIM.: 6		SERIAL No.:
MFR.: ASD Lighting Corp			SUR.:		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	.306	.174	.055	.298	.170	.054	.284	.163	.052	.271	.156	.050	.259	.150	.048		
2.0	.289	.158	.049	.282	.156	.048	.270	.150	.047	.258	.145	.045	.247	.140	.044		
3.0	.268	.143	.043	.262	.140	.042	.251	.136	.041	.241	.132	.040	.231	.128	.040		
4.0	.248	.129	.038	.242	.127	.038	.233	.123	.037	.223	.120	.036	.215	.117	.036		
5.0	.229	.117	.034	.225	.115	.034	.216	.112	.033	.207	.109	.033	.200	.107	.032		
6.0	.213	.107	.031	.209	.105	.030	.201	.103	.030	.193	.100	.030	.186	.098	.029		
7.0	.198	.098	.028	.194	.097	.028	.187	.095	.027	.181	.093	.027	.174	.091	.027		
8.0	.185	.090	.025	.182	.089	.025	.175	.088	.025	.169	.086	.025	.164	.084	.024		
9.0	.173	.084	.023	.170	.083	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.075	.021	.146	.073	.021		

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	.203	.203	.203	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.193	.169	.148	.165	.145	.127	.113	.100	.088	.065	.058	.051	.021	.019	.017	
2.0	.185	.145	.111	.158	.125	.096	.109	.086	.067	.063	.050	.039	.020	.016	.013	
3.0	.177	.127	.088	.152	.110	.076	.104	.076	.053	.060	.045	.031	.019	.014	.010	
4.0	.170	.114	.072	.146	.099	.062	.100	.069	.044	.058	.040	.026	.019	.013	.009	
5.0	.162	.104	.061	.139	.090	.053	.096	.063	.037	.056	.037	.022	.018	.012	.007	
6.0	.155	.096	.053	.133	.083	.046	.092	.058	.032	.053	.034	.019	.017	.011	.006	
7.0	.149	.089	.047	.128	.077	.041	.088	.054	.029	.051	.032	.017	.017	.010	.006	
8.0	.142	.083	.042	.122	.072	.037	.085	.050	.026	.049	.030	.016	.016	.010	.005	
9.0	.136	.078	.039	.117	.068	.034	.081	.048	.024	.047	.028	.014	.015	.009	.005	
10.0	.130	.074	.036	.112	.064	.031	.078	.045	.022	.045	.027	.013	.015	.009	.004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-18

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:0.1030A P:12.000W PF:0.9690 Freq:60.00Hz Lamp Flux:987.128x1 lm										
NAME: ASD-JBR-6D12NK					TYPE:			WEIGHT:		
SPEC.:5000K					DIM.: 6			SERIAL No.:		
MFR.: ASD Lighting Corp					SUR.:			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	17.3	18.8	17.6	19.0	19.3	16.9	18.4	17.2	18.7	18.9
3H	19.0	20.3	19.3	20.6	20.9	18.3	19.7	18.7	20.0	20.2
4H	19.6	20.9	20.0	21.2	21.5	18.8	20.1	19.2	20.4	20.7
6H	20.1	21.3	20.4	21.6	21.9	19.1	20.4	19.5	20.7	21.0
8H	20.2	21.4	20.6	21.8	22.1	19.2	20.4	19.6	20.7	21.0
12H	20.4	21.5	20.7	21.8	22.2	19.2	20.3	19.6	20.7	21.0
4H 2H	17.9	19.2	18.2	19.5	19.8	17.6	18.9	18.0	19.2	19.5
3H	19.7	20.9	20.1	21.2	21.6	19.2	20.4	19.6	20.7	21.0
4H	20.5	21.6	20.9	21.9	22.3	19.8	20.9	20.2	21.2	21.6
6H	21.1	22.1	21.6	22.4	22.8	20.3	21.2	20.7	21.6	22.0
8H	21.3	22.2	21.8	22.6	23.0	20.4	21.2	20.8	21.6	22.0
12H	21.5	22.3	22.0	22.7	23.1	20.4	21.2	20.8	21.6	22.0
8H 4H	20.8	21.6	21.2	22.0	22.5	20.2	21.0	20.6	21.4	21.9
6H	21.5	22.3	22.0	22.7	23.2	20.8	21.5	21.2	21.9	22.4
8H	21.8	22.5	22.3	22.9	23.4	20.9	21.6	21.4	22.0	22.5
12H	22.1	22.6	22.6	23.1	23.6	21.0	21.6	21.5	22.0	22.5
12H 4H	20.8	21.6	21.2	22.0	22.4	20.2	21.0	20.7	21.4	21.9
6H	21.6	22.2	22.1	22.7	23.2	20.8	21.5	21.3	21.9	22.4
8H	21.9	22.5	22.4	23.0	23.5	21.1	21.6	21.6	22.1	22.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 987.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.0)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-02-18

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:0.1030A P:12.000W PF:0.9690 Freq:60.00Hz Lamp Flux:987.128x1 lm		
NAME: ASD-JBR-6D12NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	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) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	89	82	77	69
2.50	98	91	85	96	89	84	92	86	82	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	96	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	97	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

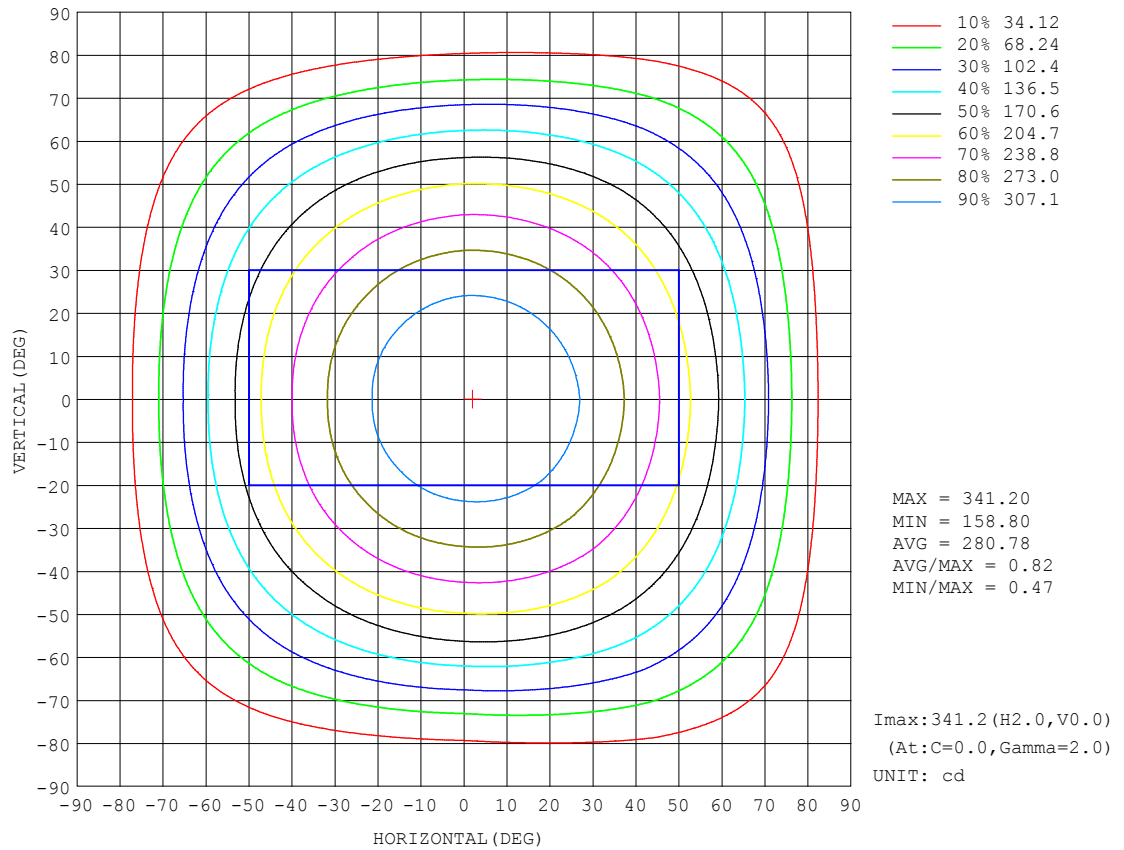
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γ Range: 0 - 180DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
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EVERFINE GONIOPHOTOMETERS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

ISOCANDELA DIAGRAM

Test:U:120.10V I:0.1030A P:12.000W PF:0.9690 Freq:60.00Hz Lamp Flux:987.128x1 lm		
NAME: ASD-JBR-6D12NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



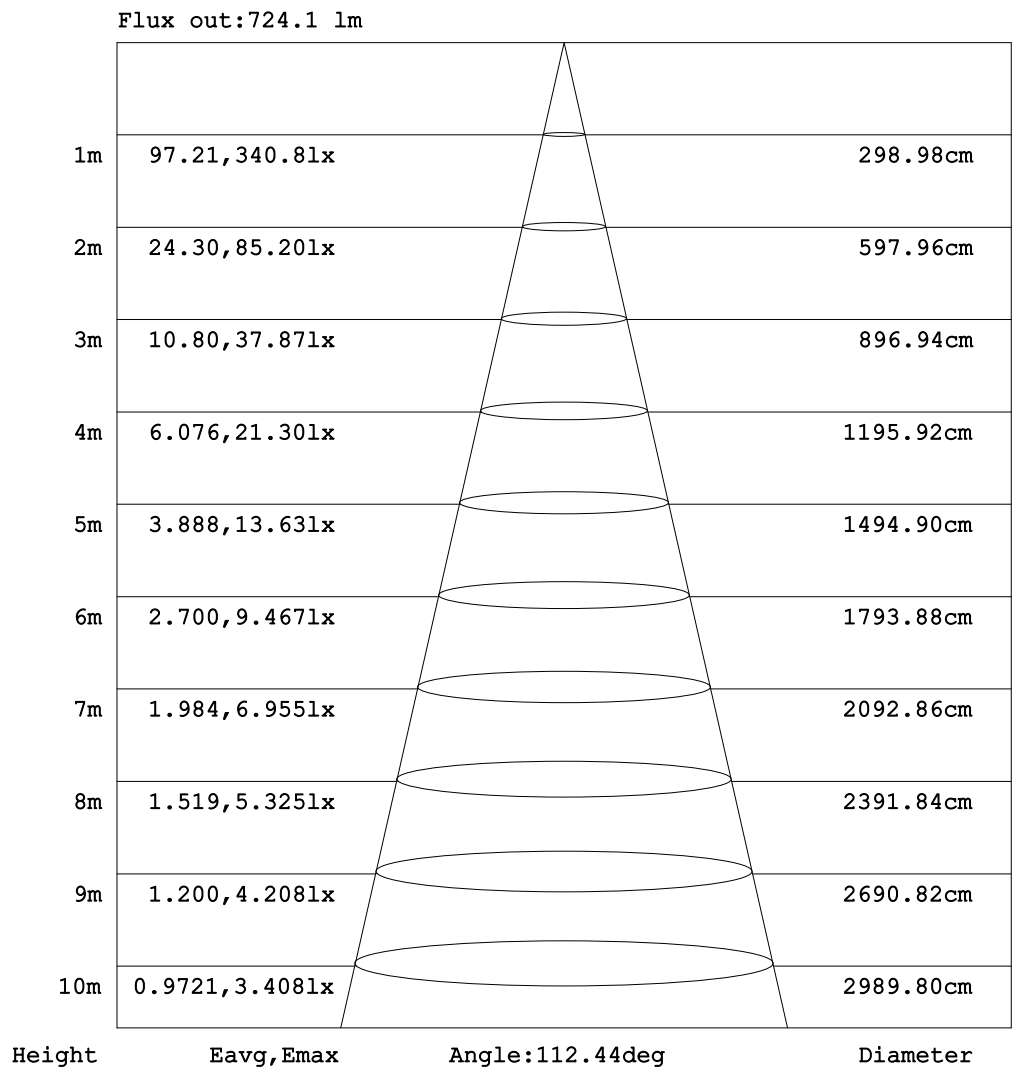
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Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity:65.0%
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.10V I:0.1030A P:12.000W PF:0.9690 Freq:60.00Hz Lamp Flux:987.128x1 lm		
NAME: ASD-JBR-6D12NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



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

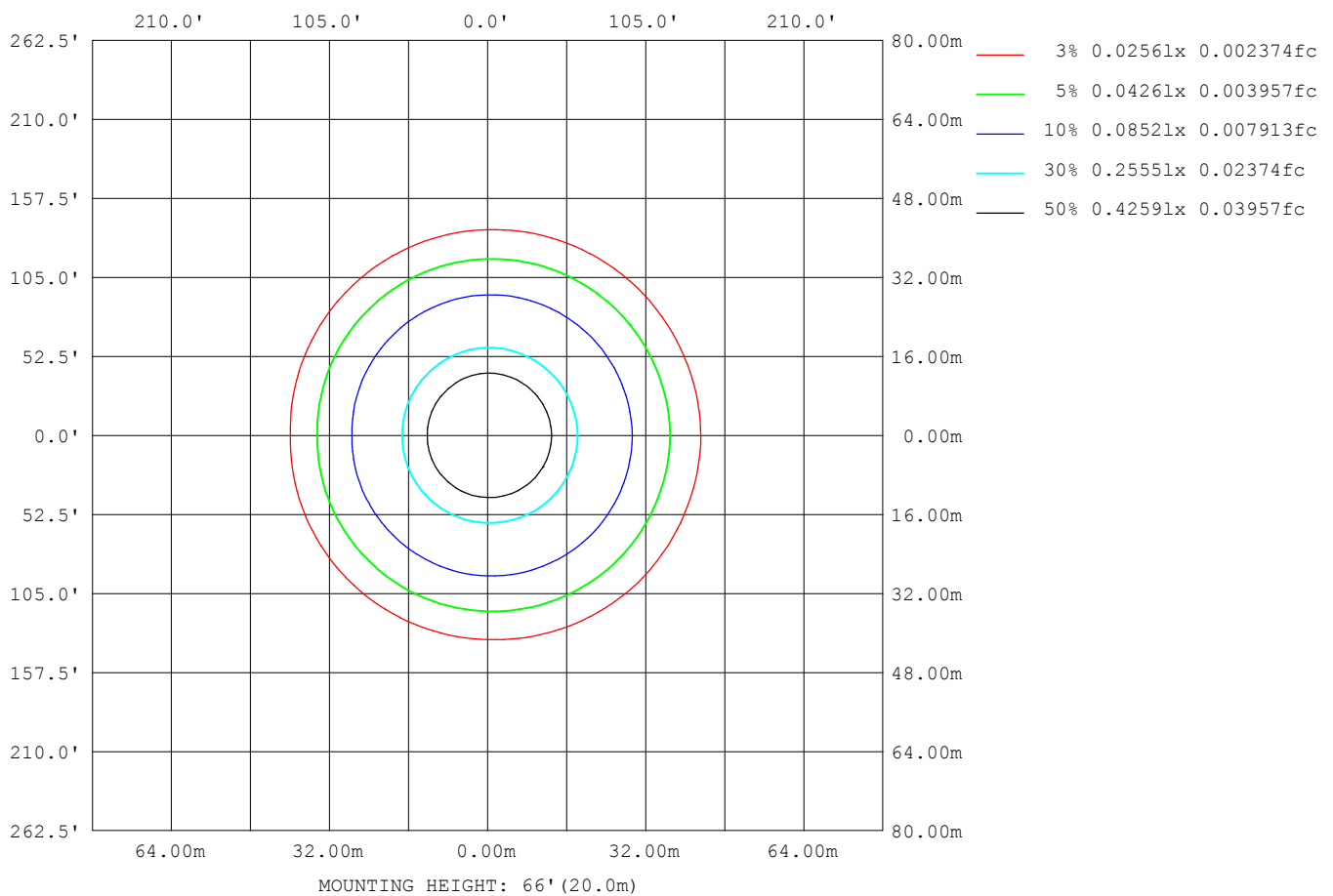
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γ Range: 0 - 180DEG
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 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:120.10V I:0.1030A P:12.000W PF:0.9690 Freq:60.00Hz Lamp Flux:987.128x1 lm		
NAME: ASD-JBR-6D12NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-18

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:0.1030A P:12.000W PF:0.9690 Freq:60.00Hz Lamp Flux:987.128x1 lm		
NAME: ASD-JBR-6D12NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

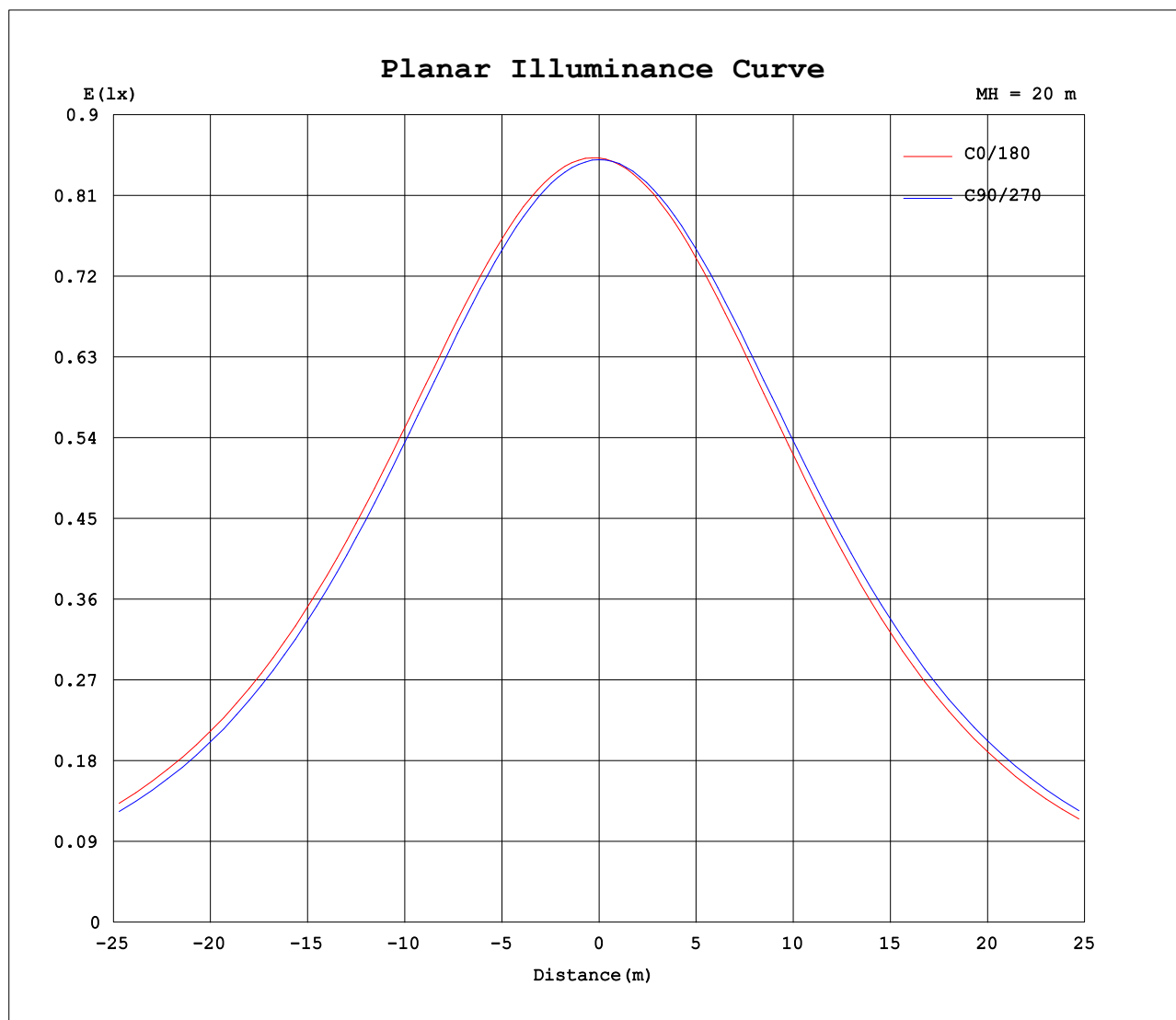
AvgL	cd/m2
L_0~180 (65) av	2864
L_0~180 (75) av	2330
L_0~180 (85) av	1466
L_90~270 (65) av	2849
L_90~270 (75) av	2341
L_90~270 (85) av	1170
L_45 (65) av	2889
L_45 (75) av	2454
L_45 (85) av	1611

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2025-02-18

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-02-18

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:0.1030A P:12.000W PF:0.9690 Freq:60.00Hz Lamp Flux:987.128x1 lm		
NAME: ASD-JBR-6D12NK	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	340	340	340	340	340	340	340	340										
5	340	340	339	338	337	337	339	340										
10	338	336	334	332	331	332	335	336										
15	332	330	327	324	322	324	327	330										
20	323	321	317	313	310	313	317	320										
25	312	309	304	299	296	299	305	308										
30	298	295	288	283	279	282	289	294										
35	281	278	270	264	260	264	272	276										
40	262	259	250	243	238	243	251	257										
45	241	238	228	220	215	220	229	235										
50	218	214	204	196	190	195	205	212										
55	193	189	178	167	161	169	178	186										
60	166	160	149	140	133	142	150	160										
65	138	132	118	112	104	113	122	132										
70	108	103	86.5	82.3	73.8	83.8	93.3	103										
75	75.4	73.4	57.6	53.0	45.2	55.0	63.6	72.7										
80	46.5	44.5	30.7	26.7	20.2	28.0	36.0	44.3										
85	21.3	19.2	8.56	9.51	4.28	8.44	11.8	19.0										
90	5.31	4.75	2.08	2.14	1.40	1.41	1.59	4.61										
95	2.12	2.11	2.16	2.21	1.57	1.48	1.44	1.36										
100	2.21	2.24	2.27	2.33	1.75	1.66	1.61	1.54										
105	2.33	2.35	2.40	2.45	1.94	1.86	1.79	1.72										
110	2.46	2.48	2.52	2.57	2.15	2.05	1.99	1.91										
115	2.59	2.59	2.64	2.67	2.35	2.24	2.19	2.11										
120	2.70	2.70	2.74	2.78	2.54	2.43	2.38	2.30										
125	2.80	2.80	2.84	2.87	2.72	2.61	2.56	2.49										
130	2.90	2.89	2.94	2.97	2.90	2.78	2.75	2.67										
135	3.00	3.01	3.06	3.09	3.08	2.98	2.94	2.86										
140	3.12	3.14	3.19	3.23	3.27	3.17	3.13	3.05										
145	3.26	3.30	3.35	3.39	3.46	3.36	3.32	3.24										
150	3.42	3.45	3.49	3.54	3.63	3.54	3.51	3.44										
155	3.58	3.61	3.65	3.70	3.79	3.71	3.68	3.61										
160	3.75	3.77	3.81	3.85	3.95	3.86	3.84	3.78										
165	3.92	3.91	3.94	3.97	4.08	3.98	3.99	3.92										
170	4.05	4.04	4.06	4.09	4.18	4.11	4.11	4.04										
175	4.17	4.14	4.16	4.17	4.25	4.16	4.19	4.14										
180	4.25	4.21	4.22	4.21	4.27	4.20	4.22	4.18										

C Range: 0 - 360DEG
C Interval: 45.0DEG
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Operators:DAMIN
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γ Range: 0 - 180DEG
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Remarks: