

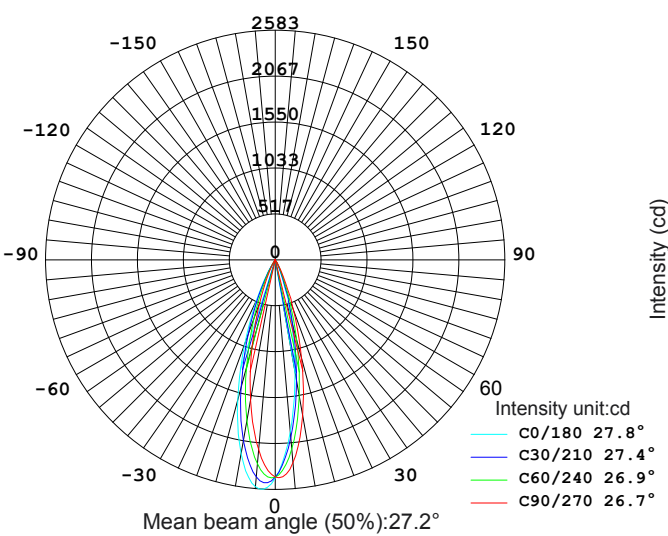
Indoor Luminaire Test Results

Report number:

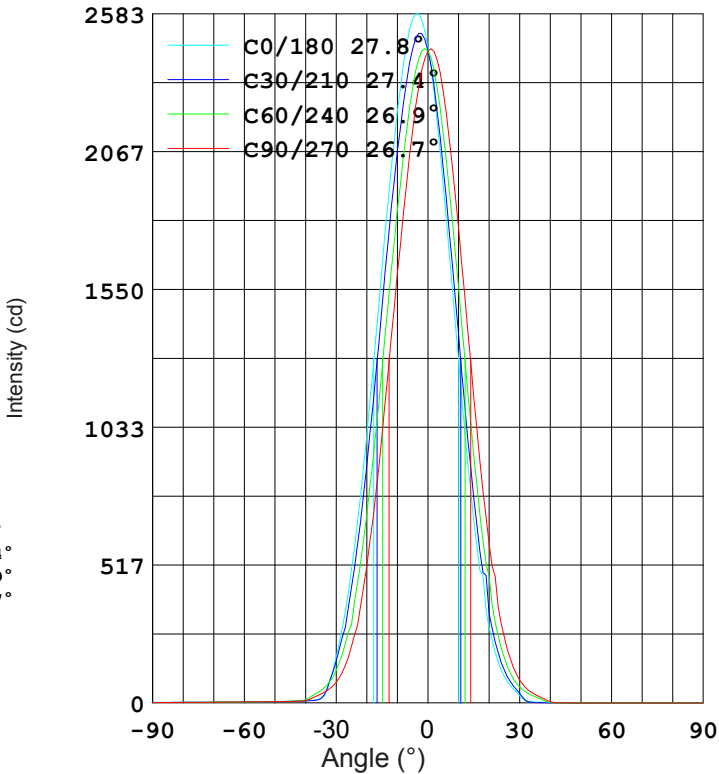
Product brand:JINKHOME		
Luminaire:HB-S11-12W	Type:	Weight:
Specification:	Dimensions:	Test number:

Light-source data		Peak intensity (cd)	2583	Max spacing/height (C0/180)	0.57
Model		Luminaire efficiency (%)	100.0	Max spacing/height (C90/270)	0.44
Nominal power (W)	12	Total flux (lm)	659.25	Voltage (V)	219.1
Rated voltage (V)	220	Efficacy (lm/W)	54.5	Current (A)	0.056
Rated flux (lm)	659.3	Upward flux ratio (%)	1.7	Power (W)	12.10
Number of light sources	1	Downward flux ratio (%)	98.3	Power factor	0.980
Measured voltage (V)	219.2	Useful flux (lm)	585.6	Energy efficiency index (EEI)	0.242

Polar distribution



Intensity distribution



Test equipment:HPG1800

Temperature:25.3°C

Operator:

Date:2026-05-18

Scan:5.0°/s C-Gamma method

Humidity:65.0%

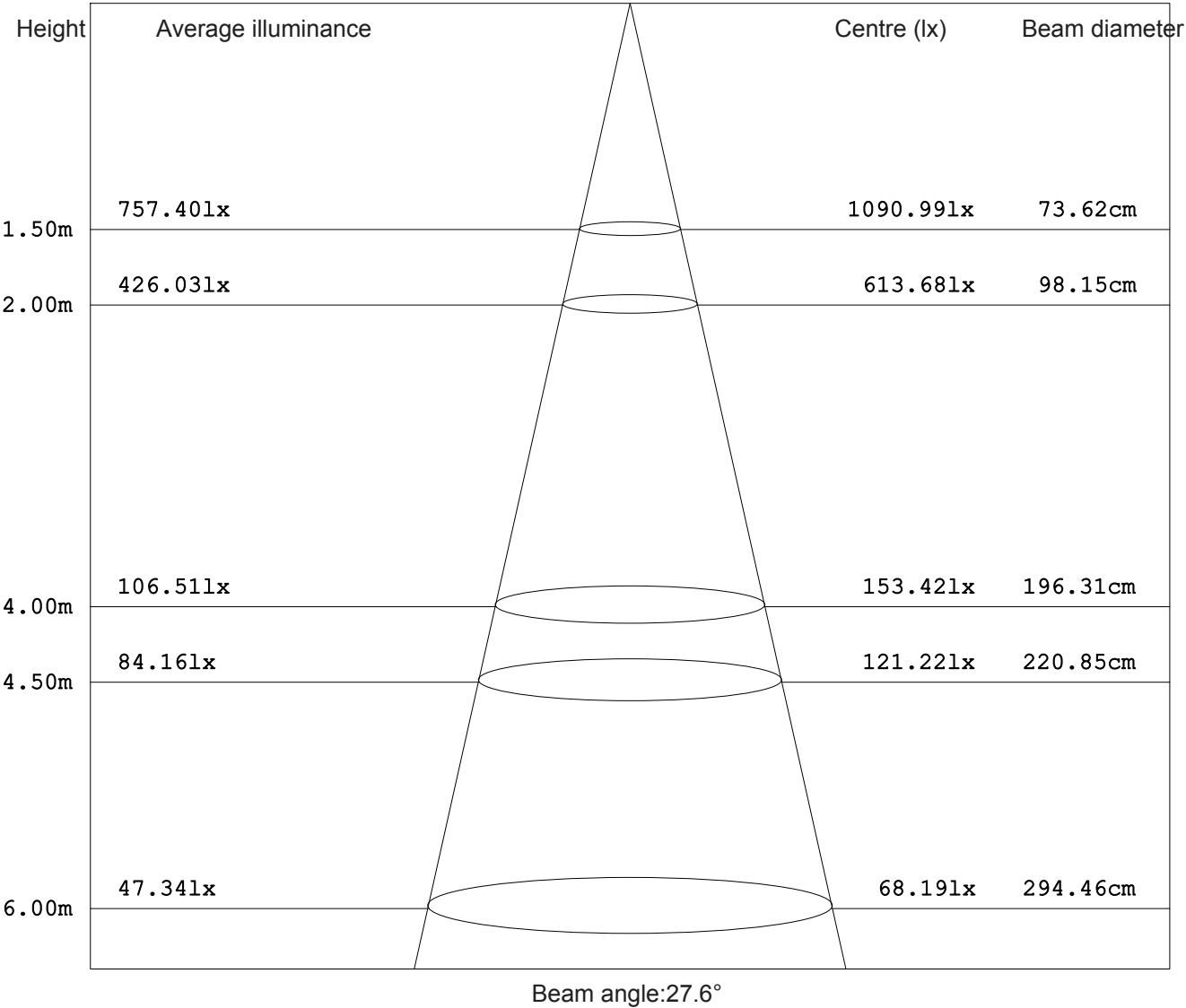
Distance:11.000 m

Notes:

Average Illuminance

Report number:

Product brand:JINKHOME		
Luminaire:HB-S11-12W	Type:	Weight:
Specification:	Dimensions:	Test number:



Test equipment:HPG1800
Temperature:25.3°C
Operator:
Date:2026-05-18

Scan:5.0°/s C-Gamma method
Humidity:65.0%
Distance:11.000 m
Notes:

Zonal Luminous Flux

Report number:

Product brand:JINKHOME		
Luminaire:HB-S11-12W	Type:	Weight:
Specification:	Dimensions:	Test number:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ(°)	Φ zone	Φ total
5.0	2562	2370	2144	1951	1942	2099	2292	2485	0- 5	55.78	55.78
10.0	2215	1921	1606	1310	1287	1492	1781	2091	5- 10	139.9	195.7
15.0	1632	1332	1004	717.0	684.2	882.8	1146	1505	10- 15	164.8	360.5
20.0	996.9	770.2	509.0	310.8	283.1	410.3	596.0	889.3	15- 20	136.5	497.0
25.0	500.0	349.2	211.8	107.2	99.70	165.2	246.8	430.3	20- 25	85.35	582.4
30.0	169.5	122.8	77.07	38.11	26.74	61.95	84.69	158.3	25- 30	40.78	623.2
35.0	15.48	28.67	33.15	4.114	3.267	13.43	31.33	33.88	30- 35	13.70	636.9
40.0	8.228	0	8.712	0.121	1.815	6.655	4.598	7.623	35- 40	3.826	640.7
45.0	6.292	0	5.566	0	0.968	5.203	0.242	5.445	40- 45	1.319	642.0
50.0	5.082	0	4.719	0	0.363	4.477	0	4.356	45- 50	1.023	643.0
55.0	4.114	0	4.114	0	0	3.509	0	3.509	50- 55	0.885	643.9
60.0	3.630	0	3.630	0	0	2.783	0	2.904	55- 60	0.777	644.7
65.0	3.267	0	3.146	0	0	2.299	0	2.420	60- 65	0.690	645.4
70.0	2.904	0	2.662	0	0	2.057	0	2.178	65- 70	0.619	646.0
75.0	2.662	0	2.178	0	0.121	1.815	0	1.936	70- 75	0.567	646.6
80.0	2.420	0	1.815	0	0.121	1.573	0	1.815	75- 80	0.511	647.1
85.0	2.299	0	1.694	0	0.121	1.573	0	1.573	80- 85	0.454	647.6
90.0	1.936	0	1.331	0	0.121	1.210	0	1.452	85- 90	0.399	648.0
95.0	1.694	0	1.089	0	0.242	1.210	0	1.210	90- 95	0.344	648.3
100.0	1.452	0	0.847	0	0.242	1.089	0	1.089	95-100	0.290	648.6
105.0	1.210	0	0.726	0	0.484	1.089	0	1.089	100-105	0.258	648.8
110.0	1.210	0	0.847	0	0.847	1.210	0	0.968	105-110	0.258	649.1
115.0	1.210	0	1.089	0.121	1.452	1.573	0	1.210	110-115	0.309	649.4
120.0	1.573	0.242	1.694	0.726	2.178	2.057	0.605	1.573	115-120	0.451	649.9
125.0	2.057	0.847	2.178	1.452	2.904	2.783	1.210	2.057	120-125	0.687	650.5
130.0	2.662	1.573	2.904	2.178	3.509	3.267	1.936	2.662	125-130	0.928	651.5
135.0	3.509	2.299	3.388	2.662	3.993	3.751	2.541	3.267	130-135	1.113	652.6
140.0	3.993	2.783	3.872	3.025	4.356	4.114	3.025	3.630	135-140	1.203	653.8
145.0	4.356	3.267	3.993	3.267	4.477	4.235	3.267	3.993	140-145	1.197	655.0
150.0	4.598	3.388	4.114	3.388	4.598	4.356	3.388	4.114	145-150	1.111	656.1
155.0	4.598	3.630	4.114	3.388	4.477	4.114	3.509	4.114	150-155	0.972	657.1
160.0	4.477	3.630	4.114	3.267	4.356	3.993	3.509	4.114	155-160	0.798	657.9
165.0	4.356	3.509	3.872	3.025	4.235	3.872	3.388	3.872	160-165	0.607	658.5
170.0	4.114	3.267	3.630	2.783	3.993	3.509	3.267	3.751	165-170	0.414	658.9
175.0	3.872	3.146	3.509	2.783	3.993	3.388	3.146	3.509	170-175	0.236	659.1
180.0	3.751	3.146	3.388	3.025	4.477	3.388	3.146	3.388	175-180	0.077	659.2
Unit:°	Unit:cd									Unit:lm	

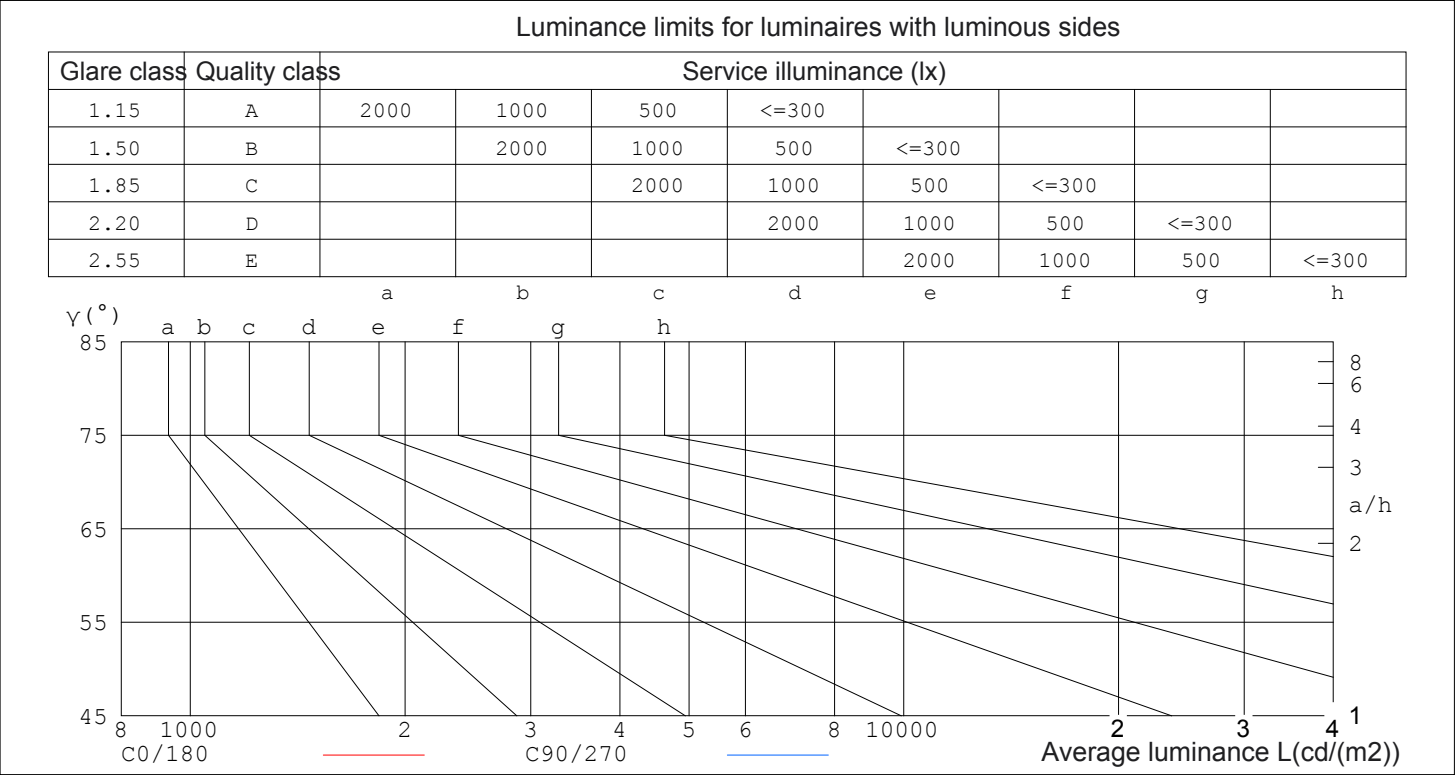
Test equipment:HPG1800
Temperature:25.3°C
Operator:
Date:2026-05-18

Scan:5.0°/s C-Gamma method
Humidity:65.0%
Distance:11.000 m
Notes:

Luminance Limiting Curves

Report number:

Product brand:JINKHOME		
Luminaire:HB-S11-12W	Type:	Weight:
Specification:	Dimensions:	Test number:



Average luminance (cd/m2)		
$\gamma (^{\circ})$	C0/180	C90/270
85	264	194
80	139	105
75	103	84
70	85	78
65	77	74
60	73	73
55	72	72
50	79	73
45	89	79

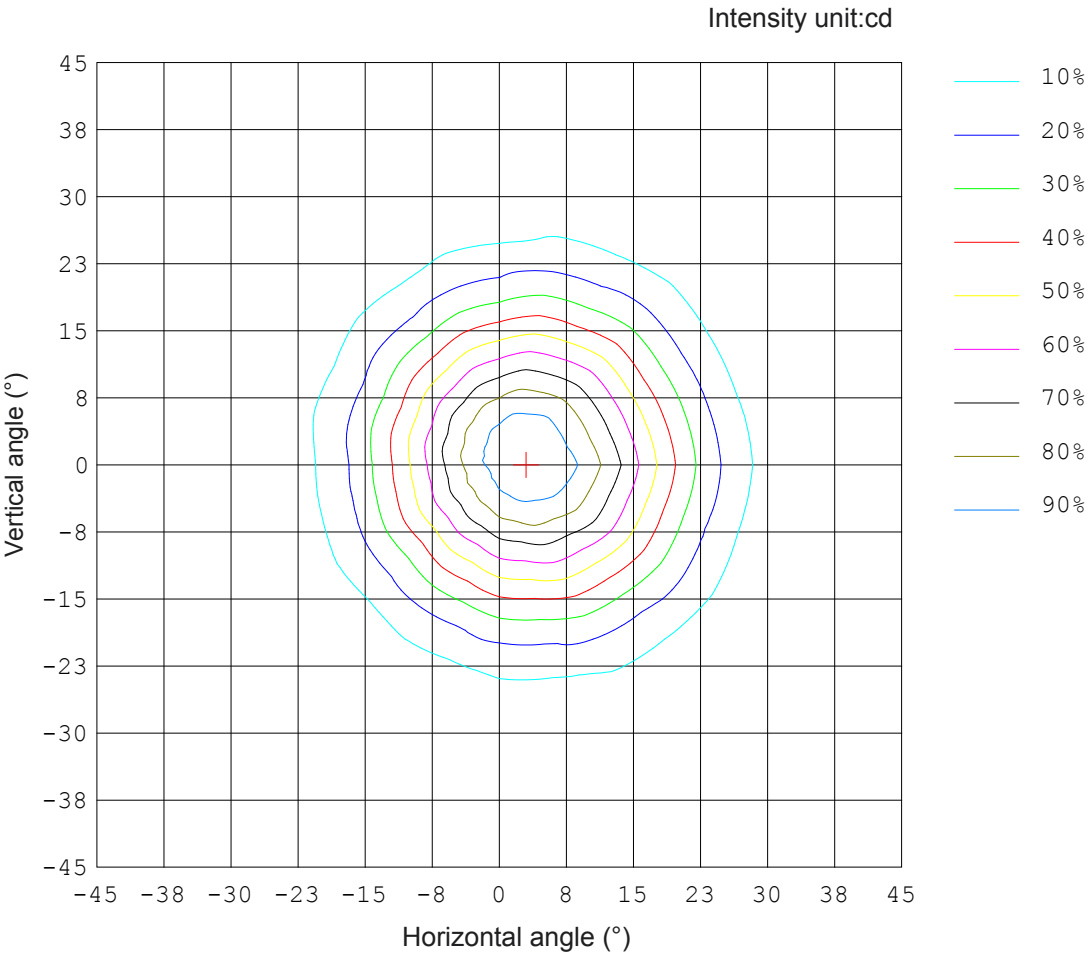
Test equipment:HPG1800
Temperature:25.3°C
Operator:
Date:2026-05-18

Scan:5.0°/s C-Gamma method
Humidity:65.0%
Distance:11.000 m
Notes:

Rectangular Isocandela Diagram

Report number:

Product brand:JINKHOME		
Luminaire:HB-S11-12W	Type:	Weight:
Specification:	Dimensions:	Test number:



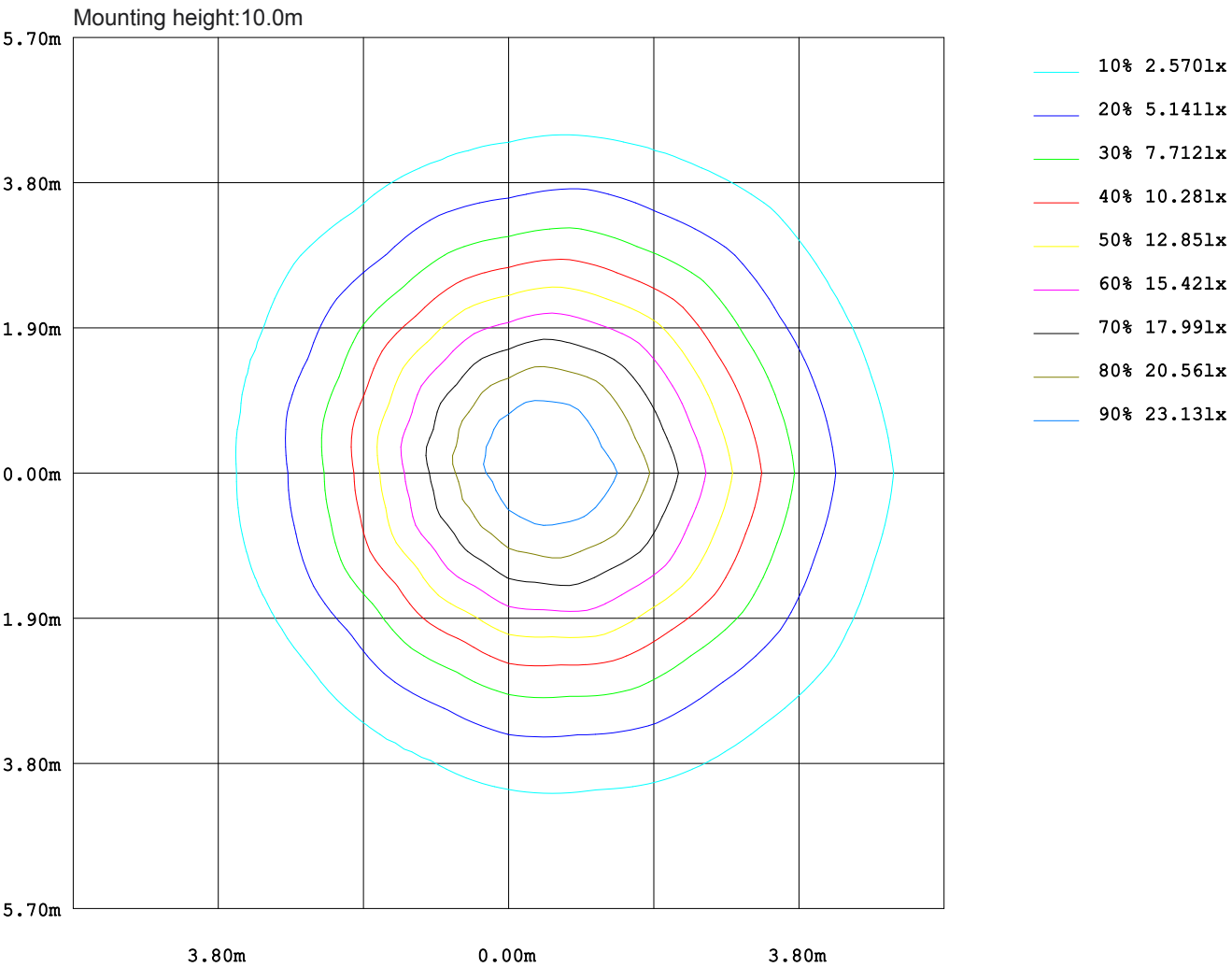
Test equipment:HPG1800
Temperature:25.3°C
Operator:
Date:2026-05-18

Scan:5.0°/s C-Gamma method
Humidity:65.0%
Distance:11.000 m
Notes:

Isolux Diagram

Report number:

Product brand:JINKHOME		
Luminaire:HB-S11-12W	Type:	Weight:
Specification:	Dimensions:	Test number:



Test equipment:HPG1800
Temperature:25.3°C
Operator:
Date:2026-05-18

Scan:5.0°/s C-Gamma method
Humidity:65.0%
Distance:11.000 m
Notes:

Regional Luminous Flux

Report number:

Product brand:JINKHOME																				
Luminaire:HB-S11-12W									Type:					Weight:						
Specification:									Dimensions:					Test number:						

45	Regional luminous flux																		Unit:lm		Φ total	Φu
	0.01	0.02	0.02	0.02	0.00	0.01	0.04	0.04	0.02	0.02	0.04	0.04	0.01	0.00	0.02	0.02	0.02	0.01	0.37	0.00		
40	0.01	0.01	0.03	0.02	0.01	0.02	0.09	0.14	0.14	0.16	0.19	0.13	0.04	0.02	0.03	0.03	0.01	0.00	1.09	0.00		
35	0.00	0.01	0.02	0.04	0.05	0.12	0.25	0.37	0.41	0.46	0.49	0.38	0.22	0.08	0.04	0.02	0.01	0.00	2.97	0.00		
30	0.01	0.00	0.02	0.04	0.13	0.29	0.52	0.87	1.10	1.27	1.29	0.97	0.62	0.28	0.06	0.02	0.00	0.01	7.51	0.16		
25	0.01	0.01	0.01	0.06	0.30	0.65	1.17	2.06	2.87	3.34	3.21	2.48	1.59	0.78	0.14	0.01	0.01	0.01	18.7	13.1		
20	0.02	0.02	0.02	0.10	0.51	1.29	2.55	4.36	6.07	6.96	6.56	5.14	3.36	1.57	0.37	0.03	0.02	0.02	39.0	35.6		
15	0.03	0.04	0.05	0.25	0.80	2.10	4.50	7.45	10.3	11.6	10.9	8.58	5.40	2.76	0.91	0.10	0.04	0.03	65.9	62.9		
Vertical angle (°)	0.02	0.04	0.07	0.40	1.20	3.00	6.22	10.5	14.3	16.2	15.0	11.5	7.43	3.96	1.50	0.24	0.05	0.04	91.9	89.1		
	0.01	0.02	0.07	0.43	1.32	3.50	7.31	12.2	16.7	18.8	17.4	13.6	9.01	4.90	2.00	0.42	0.06	0.04	108	105		
	0.01	0.01	0.05	0.39	1.22	3.35	6.95	11.7	15.9	18.3	17.2	13.5	8.98	4.88	2.00	0.42	0.05	0.03	105	103		
	0.00	0.01	0.03	0.31	1.01	2.72	5.72	9.41	12.9	14.7	14.0	11.2	7.39	3.95	1.51	0.23	0.02	0.02	85.3	82.6		
	0.00	0.01	0.03	0.23	0.74	1.77	3.69	6.41	8.81	10.1	9.79	7.70	5.18	2.76	1.01	0.10	0.01	0.00	58.4	55.2		
	0.01	0.02	0.04	0.14	0.43	0.92	2.01	3.56	5.01	5.79	5.62	4.50	2.94	1.53	0.53	0.06	0.02	0.01	33.1	29.0		
	0.01	0.03	0.04	0.06	0.20	0.47	0.96	1.52	2.26	2.69	2.58	2.12	1.34	0.67	0.18	0.05	0.03	0.01	15.2	8.19		
	0.02	0.03	0.02	0.01	0.08	0.26	0.42	0.57	0.87	1.01	0.94	0.84	0.57	0.24	0.04	0.03	0.03	0.02	6.00	0.00		
	0.02	0.02	0.01	0.01	0.04	0.13	0.19	0.24	0.35	0.38	0.33	0.31	0.24	0.08	0.01	0.01	0.02	0.02	2.40	0.00		
	0.01	0.01	0.00	0.01	0.03	0.04	0.04	0.07	0.13	0.14	0.09	0.08	0.07	0.04	0.01	0.00	0.01	0.02	0.80	0.00		
-45	0.01	0.00	0.00	0.01	0.03	0.03	0.01	0.01	0.04	0.04	0.01	0.01	0.03	0.03	0.02	0.00	0.01	0.01	0.31	0.00		
Horizontal angle (°)																						
Φ total	0.22	0.32	0.55	2.51	8.11	20.7	42.6	71.5	98.5	112	106	83.3	54.4	28.5	10.4	1.78	0.42	0.31	659			
Φu	0.00	0.00	0.00	0.00	0.61	14.7	38.0	67.3	94.5	108	102	79.4	50.3	24.1	4.43	0.00	0.00	0.00		586		

Test equipment:HPG1800
Temperature:25.3°C
Operator:
Date:2026-05-18

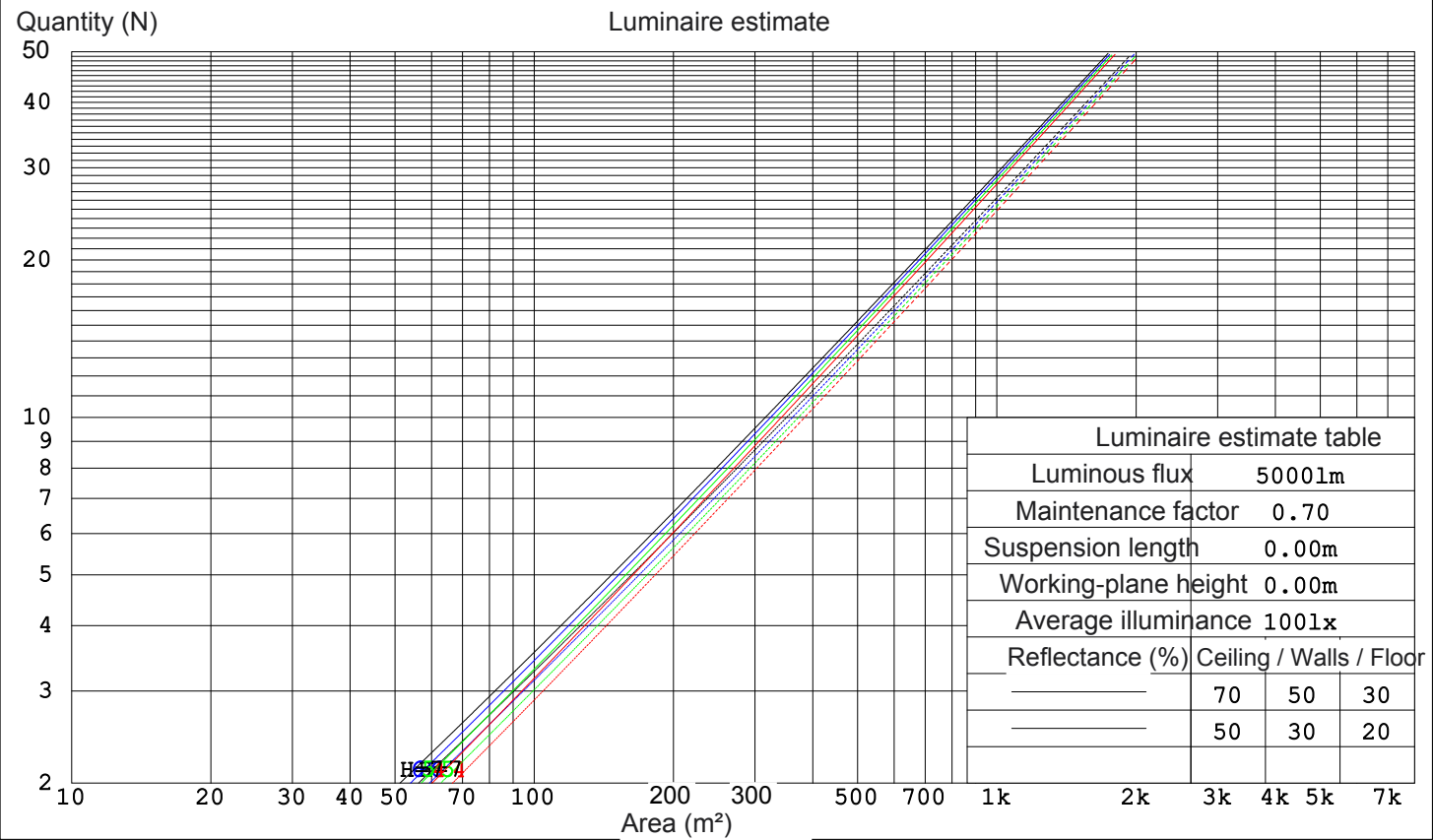
Scan:5.0°/s C-Gamma method
Humidity:65.0%
Distance:11.000 m
Notes:

Working-plane Utilisation and Luminaire Estimate

Report number:

Product brand:JINKHOME															
Luminaire:HB-S11-12W								Type:				Weight:			
Specification:								Dimensions:				Test number:			

Ceiling	80%			70%			50%			30%			10%			0
Walls	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
Floor	20%			20%			20%			20%			20%			0
Room cavity ratio	Working-plane utilisation factor															
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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.98	.97	.96	.95
2.0	1.07	1.03	1.01	1.05	1.02	.00	1.01	.99	.97	.98	.96	.95	.95	.94	.93	.91
3.0	1.02	.98	.95	1.00	.97	.94	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.93	.90	.96	.92	.90	.94	.91	.88	.92	.89	.87	.90	.88	.86	.85
5.0	.94	.89	.86	.93	.89	.86	.91	.87	.85	.89	.86	.84	.88	.85	.83	.82
6.0	.90	.86	.83	.89	.85	.82	.88	.84	.82	.86	.83	.81	.85	.82	.80	.79
7.0	.87	.83	.80	.86	.82	.79	.85	.81	.79	.84	.81	.78	.83	.80	.78	.77
8.0	.84	.80	.77	.84	.79	.77	.82	.79	.76	.81	.78	.76	.80	.78	.75	.74
9.0	.81	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.78	.75	.73	.72
10.0	.79	.75	.72	.78	.74	.72	.78	.74	.72	.77	.74	.71	.76	.73	.71	.70



Test equipment:HPG1800
Temperature:25.3°C
Operator:
Date:2026-05-18

Scan:5.0°/s C-Gamma method
Humidity:65.0%
Distance:11.000 m
Notes:

Wall and Ceiling Utilisation Factors

Report number:

Product brand:JINKHOME																
Luminaire:HB-S11-12W							Type:					Weight:				
Specification:							Dimensions:					Test number:				

Ceiling	80%			70%			50%			30%			10%			0
Walls	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
Floor	20%			20%			20%			20%			20%			0
Room cavity ratio				Wall utilisation factor												
0.0																
1.0	.144	.082	.026	.137	.078	.025	.123	.071	.023	.111	.064	.021	.100	.058	.019	
2.0	.133	.073	.022	.127	.070	.022	.116	.065	.020	.106	.059	.019	.096	.054	.017	
3.0	.124	.066	.020	.119	.064	.019	.110	.059	.018	.101	.055	.017	.093	.051	.016	
4.0	.116	.060	.018	.112	.059	.017	.104	.055	.016	.096	.052	.016	.090	.049	.015	
5.0	.110	.056	.016	.106	.054	.016	.099	.052	.015	.093	.049	.015	.086	.046	.014	
6.0	.104	.052	.015	.101	.051	.015	.095	.048	.014	.089	.046	.014	.084	.044	.013	
7.0	.099	.049	.014	.096	.048	.014	.091	.046	.013	.086	.044	.013	.081	.042	.012	
8.0	.094	.046	.013	.092	.045	.013	.087	.043	.012	.083	.042	.012	.078	.040	.012	
9.0	.090	.044	.012	.088	.043	.012	.084	.041	.012	.080	.040	.011	.076	.039	.011	
10.0	.086	.041	.011	.084	.041	.011	.081	.039	.011	.077	.038	.011	.074	.037	.011	

Ceiling	80%			70%			50%			30%			10%			0
Walls	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
Floor	20%			20%			20%			20%			20%			0
Room cavity ratio				Ceiling utilisation factor												
0.0	.203	.203	.203	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.182	.171	.161	.156	.147	.138	.106	.101	.096	.061	.058	.056	.020	.019	.018	
2.0	.164	.146	.130	.141	.126	.113	.096	.087	.079	.056	.051	.046	.018	.016	.015	
3.0	.150	.127	.108	.128	.109	.094	.088	.076	.066	.051	.044	.039	.016	.014	.013	
4.0	.137	.111	.091	.118	.096	.079	.081	.067	.056	.047	.039	.033	.015	.013	.011	
5.0	.127	.099	.079	.109	.086	.068	.075	.060	.048	.044	.035	.029	.014	.011	.009	
6.0	.118	.089	.068	.102	.077	.060	.070	.054	.042	.041	.032	.025	.013	.010	.008	
7.0	.111	.081	.060	.096	.070	.053	.066	.049	.037	.038	.029	.022	.012	.010	.007	
8.0	.105	.075	.054	.090	.065	.047	.062	.045	.033	.036	.027	.020	.012	.009	.007	
9.0	.099	.069	.049	.085	.060	.042	.059	.042	.030	.034	.025	.018	.011	.008	.006	
10.0	.094	.064	.044	.081	.056	.039	.056	.039	.027	.033	.023	.016	.011	.008	.005	

Test equipment:HPG1800
Temperature:25.3°C
Operator:
Date:2026-05-18

Scan:5.0°/s C-Gamma method
Humidity:65.0%
Distance:11.000 m
Notes:

UGR (Unified Glare Rating) Table

Report number:

Product brand:JINKHOME											
Luminaire:HB-S11-12W					Type:			Weight:			
Specification:					Dimensions:			Test number:			
Reflectance: Ceiling	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	2H	-8.1	-7.4	-7.9	-7.3	-7.1	-5.5	-4.8	-5.2	-4.6	-4.4
	3H	-7.5	-6.8	-7.2	-6.6	-6.4	-5.3	-4.7	-5.0	-4.4	-4.2
	4H	-6.7	-6.1	-6.4	-5.9	-5.7	-5.1	-4.5	-4.8	-4.2	-4.0
	6H	-5.4	-4.8	-5.0	-4.5	-4.3	-4.6	-4.0	-4.3	-3.7	-3.5
	8H	-4.4	-3.8	-4.0	-3.6	-3.3	-4.1	-3.6	-3.8	-3.3	-3.0
	12H	-3.1	-2.6	-2.7	-2.3	-2.0	-3.4	-2.9	-3.1	-2.6	-2.3
4H	2H	-8.1	-7.5	-7.8	-7.2	-7.0	-5.6	-5.0	-5.3	-4.7	-4.5
	3H	-6.9	-6.4	-6.6	-6.1	-5.8	-5.1	-4.6	-4.8	-4.3	-4.0
	4H	-6.1	-5.6	-5.7	-5.3	-4.9	-4.8	-4.3	-4.4	-4.0	-3.6
	6H	-4.9	-4.5	-4.5	-4.1	-3.8	-4.3	-3.9	-3.9	-3.5	-3.1
	8H	-4.0	-3.7	-3.6	-3.3	-2.9	-3.9	-3.5	-3.5	-3.1	-2.7
	12H	-2.7	-2.3	-2.3	-1.9	-1.5	-3.2	-2.8	-2.7	-2.4	-2.0
8H	4H	-5.8	-5.4	-5.4	-5.1	-4.7	-4.6	-4.2	-4.2	-3.9	-3.5
	6H	-4.2	-3.9	-3.8	-3.5	-3.0	-3.8	-3.5	-3.3	-3.0	-2.6
	8H	-3.3	-3.0	-2.8	-2.5	-2.1	-3.2	-2.9	-2.7	-2.5	-2.0
	12H	-2.1	-1.9	-1.6	-1.4	-0.9	-2.6	-2.3	-2.1	-1.8	-1.3
12H	4H	-5.7	-5.4	-5.3	-5.0	-4.6	-4.6	-4.2	-4.1	-3.8	-3.4
	6H	-4.2	-3.9	-3.7	-3.4	-3.0	-3.7	-3.4	-3.3	-3.0	-2.5
	8H	-3.1	-2.8	-2.6	-2.3	-1.8	-3.0	-2.7	-2.5	-2.3	-1.8
UGR changes with observer position at different luminaire spacings:											
S = 1.0H		+ 1.1 / - 0.7				+ 1.9 / - 1.1					
1.5H		+ 1.7 / - 1.6				+ 3.5 / - 1.8					
2.0H		+ 2.2 / - 2.5				+ 2.1 / - 2.1					

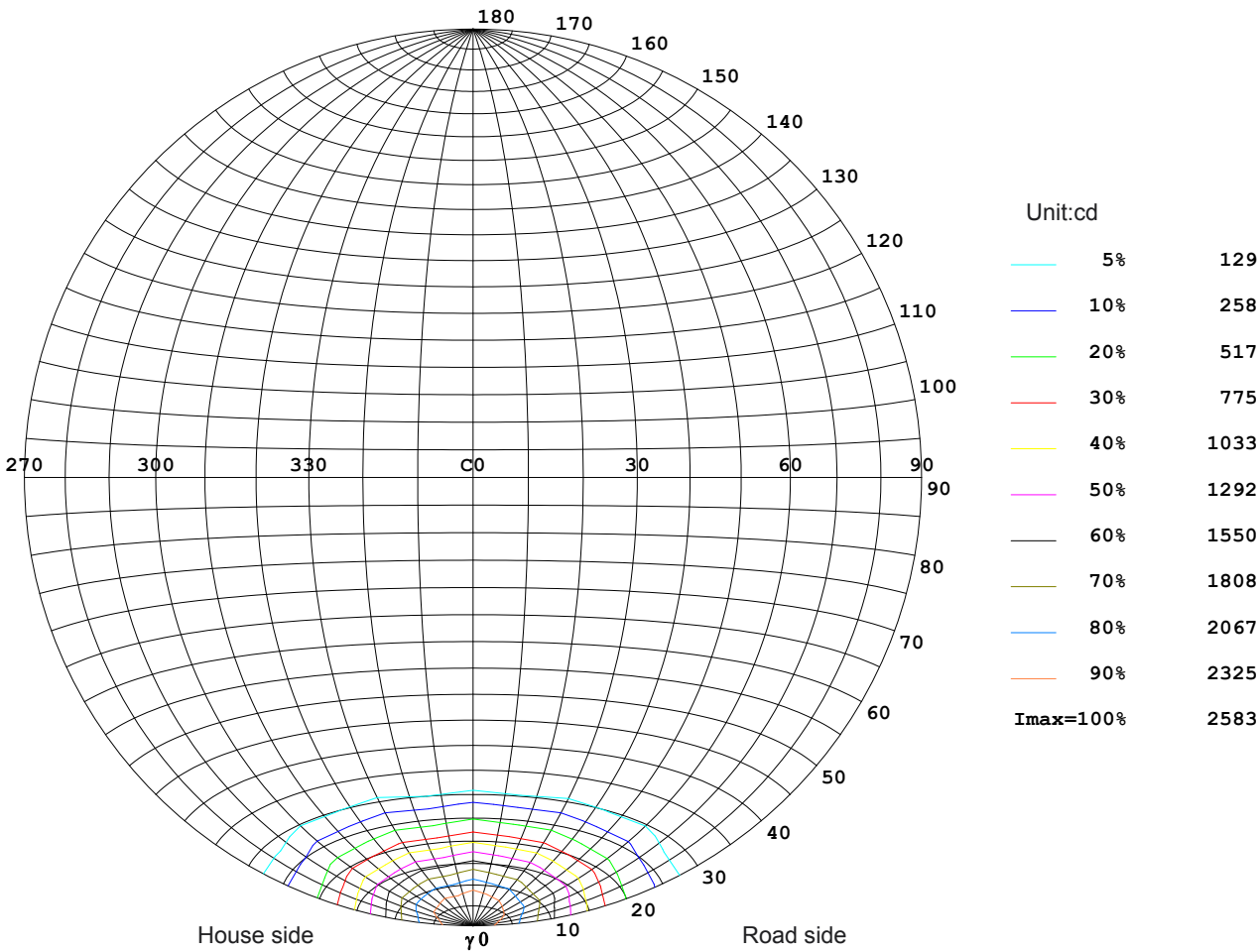
Calculated using CIE Pub.117; corrected to 659.2lm source flux (8log(F/F0) = -1.4).

UF Utilisation Factor Table										
Report number:										
Product brand:JINKHOME										
Luminaire:HB-S11-12W					Type:			Weight:		
Specification:					Dimensions:			Test number:		
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	UTILISATION FACTORS (%) k(RI) × RCR = 5									
k = 0.60	90	84	81	89	84	81	88	83	80	77
0.80	97	92	88	96	91	88	95	90	87	84
1.00	101	95	92	100	95	92	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	91
1.50	107	102	99	105	101	99	103	100	97	93
2.00	109	105	102	107	104	101	104	102	99	94
2.50	110	107	104	109	106	103	105	103	101	95
3.00	112	109	106	110	107	105	106	104	102	96
4.00	114	111	109	112	109	108	108	106	105	97
5.00	115	113	111	113	111	110	109	107	106	98
ROOM INDEX	UF (total)									UF (direct)
Reference:DIN EN 13032-2 2004					Pendant luminaire			Nominal spacing/height SHRNOM = 1.25		

Circular Isocandela Diagram

Report number:

Product brand:JINKHOME		
Luminaire:HB-S11-12W	Type:	Weight:
Specification:	Dimensions:	Test number:



Test equipment:HPG1800
Temperature:25.3°C
Operator:
Date:2026-05-18

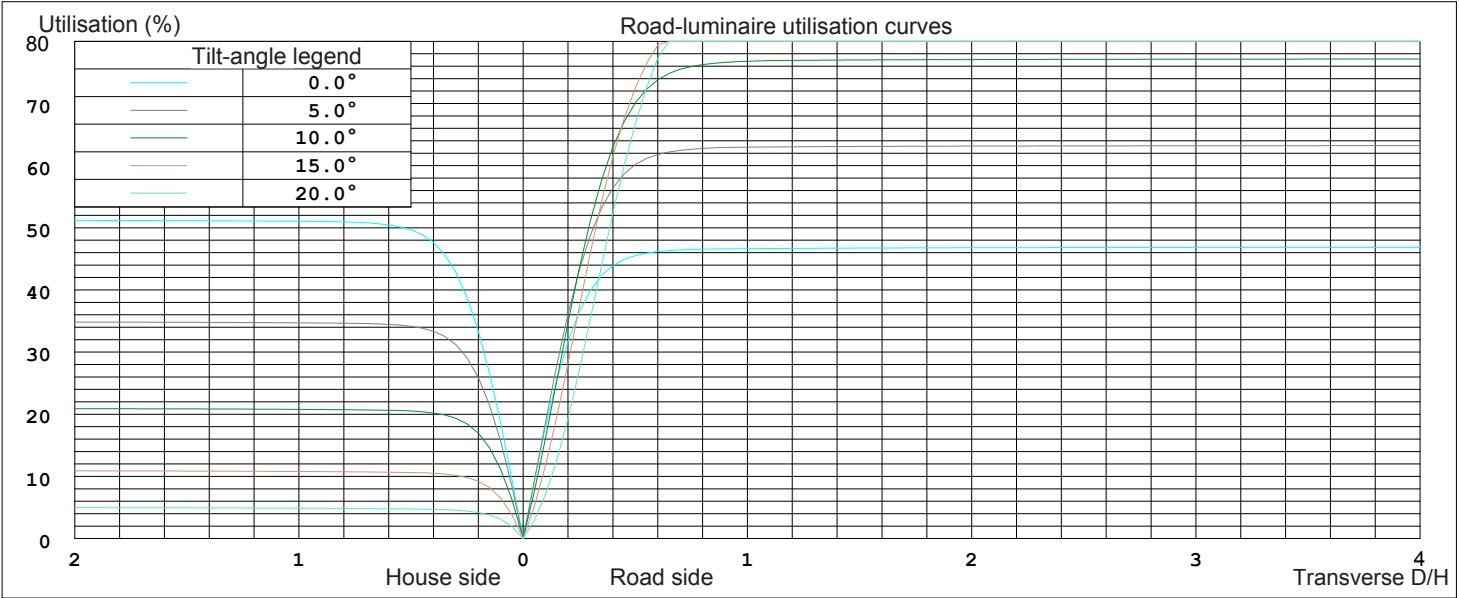
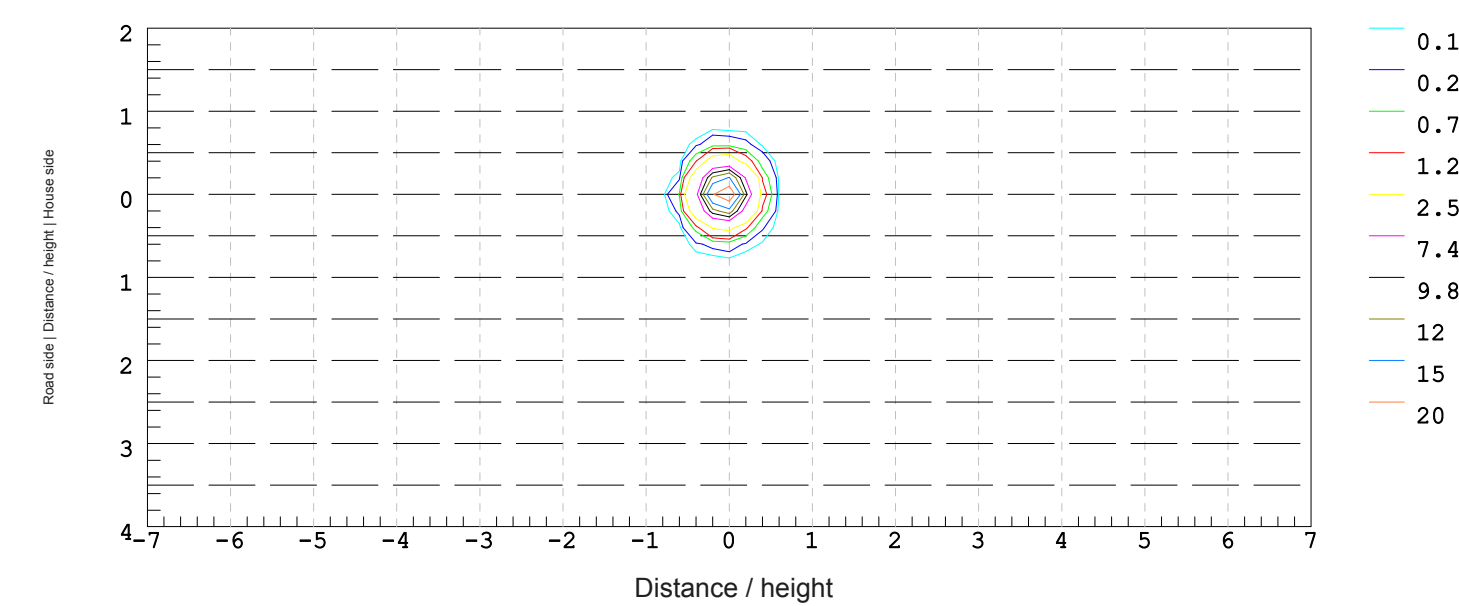
Scan:5.0°/s C-Gamma method
Humidity:65.0%
Distance:11.000 m
Notes:

Road-surface Isolux Diagram

Report number:

Product brand:JINKHOME		
Luminaire:HB-S11-12W	Type:	Weight:
Specification:	Dimensions:	Test number:

Mounting height 10m; illuminance directly below:24.55 lx



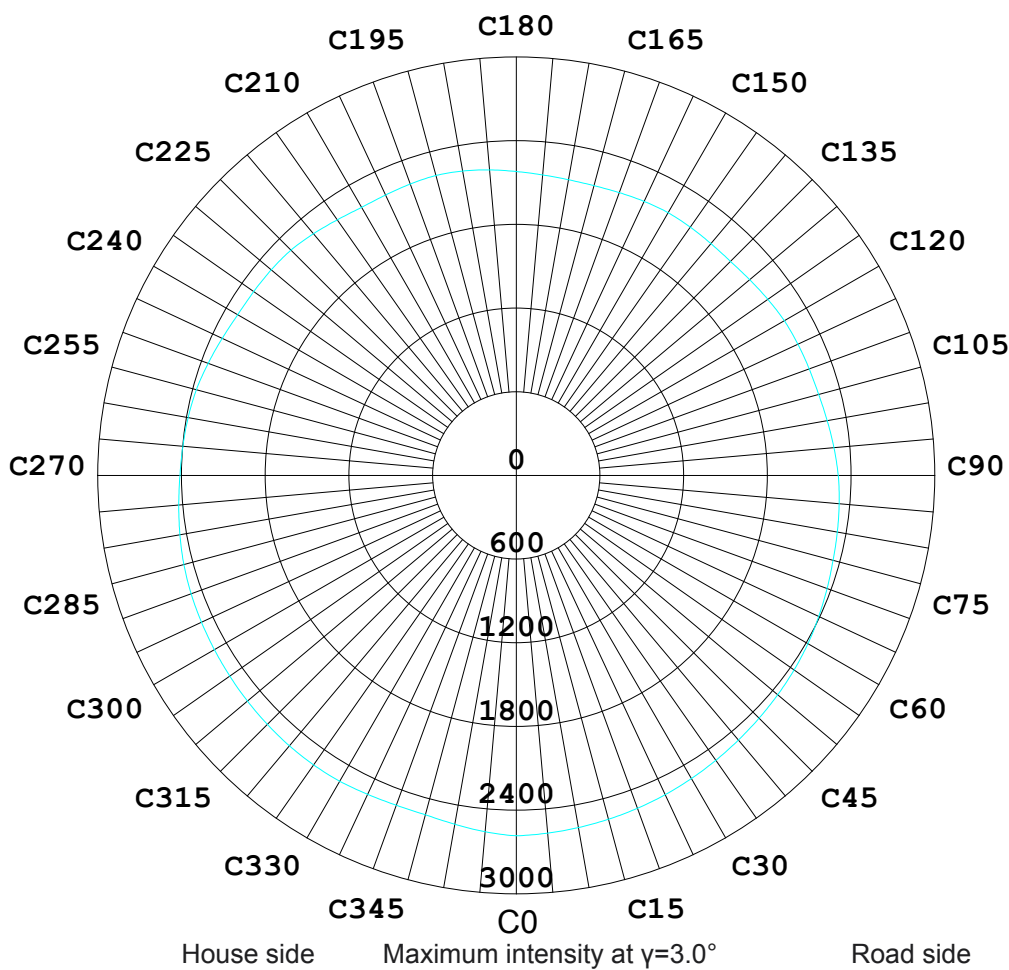
Test equipment:HPG1800
Temperature:25.3°C
Operator:
Date:2026-05-18

Scan:5.0°/s C-Gamma method
Humidity:65.0%
Distance:11.000 m
Notes:

Conical-surface Intensity Diagram

Report number:

Product brand:JINKHOME		
Luminaire:HB-S11-12W	Type:	Weight:
Specification:	Dimensions:	Test number:



Test equipment:HPG1800
Temperature:25.3°C
Operator:
Date:2026-05-18

Scan:5.0°/s C-Gamma method
Humidity:65.0%
Distance:11.000 m
Notes: