

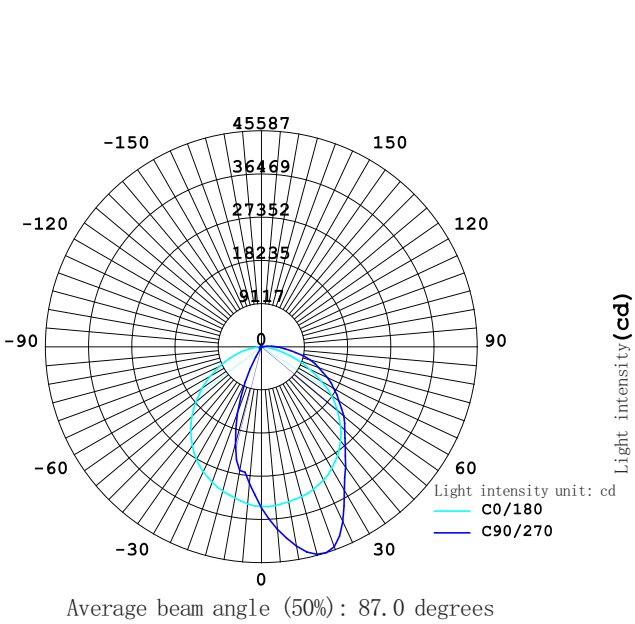
Indoor Lamp Test Report

Report number:

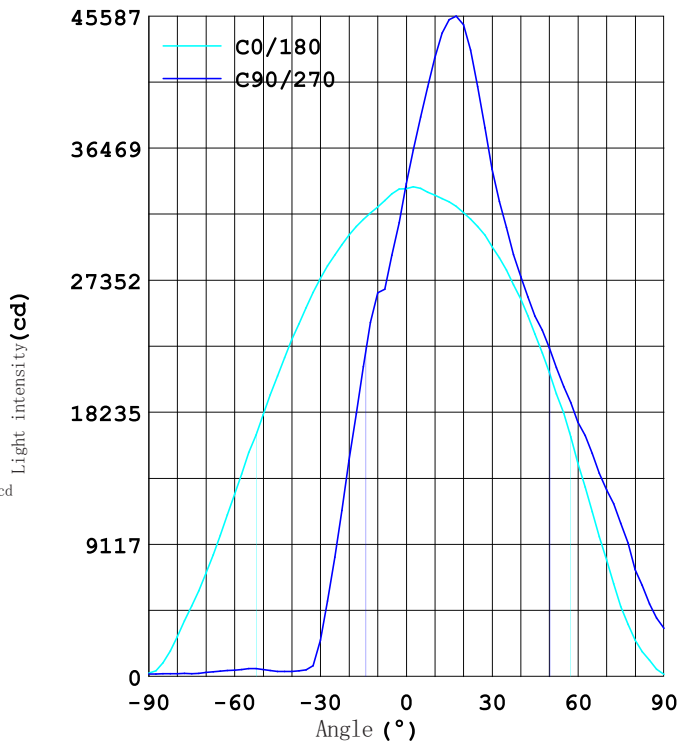
Manufacturer: Xingya Lighting	Manufacturer's address:	
Lamp name: LED lamp	Lamp type: LED	Lamp weight:
Lamp specifications:	External dimensions:	Test number: 20230807001

Light source data		Peak light intensity (cd)	45587	Maximum aspect ratio (C0/180)	1.22
Model	LED 800W	Luminaire efficiency (%)	100.0	Maximum aspect ratio (C90/270)	0.60
Nominal power (W)	800	Total luminous flux (lm)	79252	Voltage (V)	209.8
Rated power supply voltage (V)	210	Optical efficiency (lm/W)	104.3	Current (A)	3.720
Rated luminous flux (lm)	79251.6	Upward luminous flux ratio (%)	1.9	Power (W)	760.0
Number of light sources inside the lamp (piece)	1	Downward luminous flux ratio (%)	98.1	power factor	0.970
Measured power supply voltage (V)	209.8	Effective luminous flux (lm)	0.0	Energy Efficiency Index (EEI)	0.000

distribution curve flux



Light intensity distribution curve

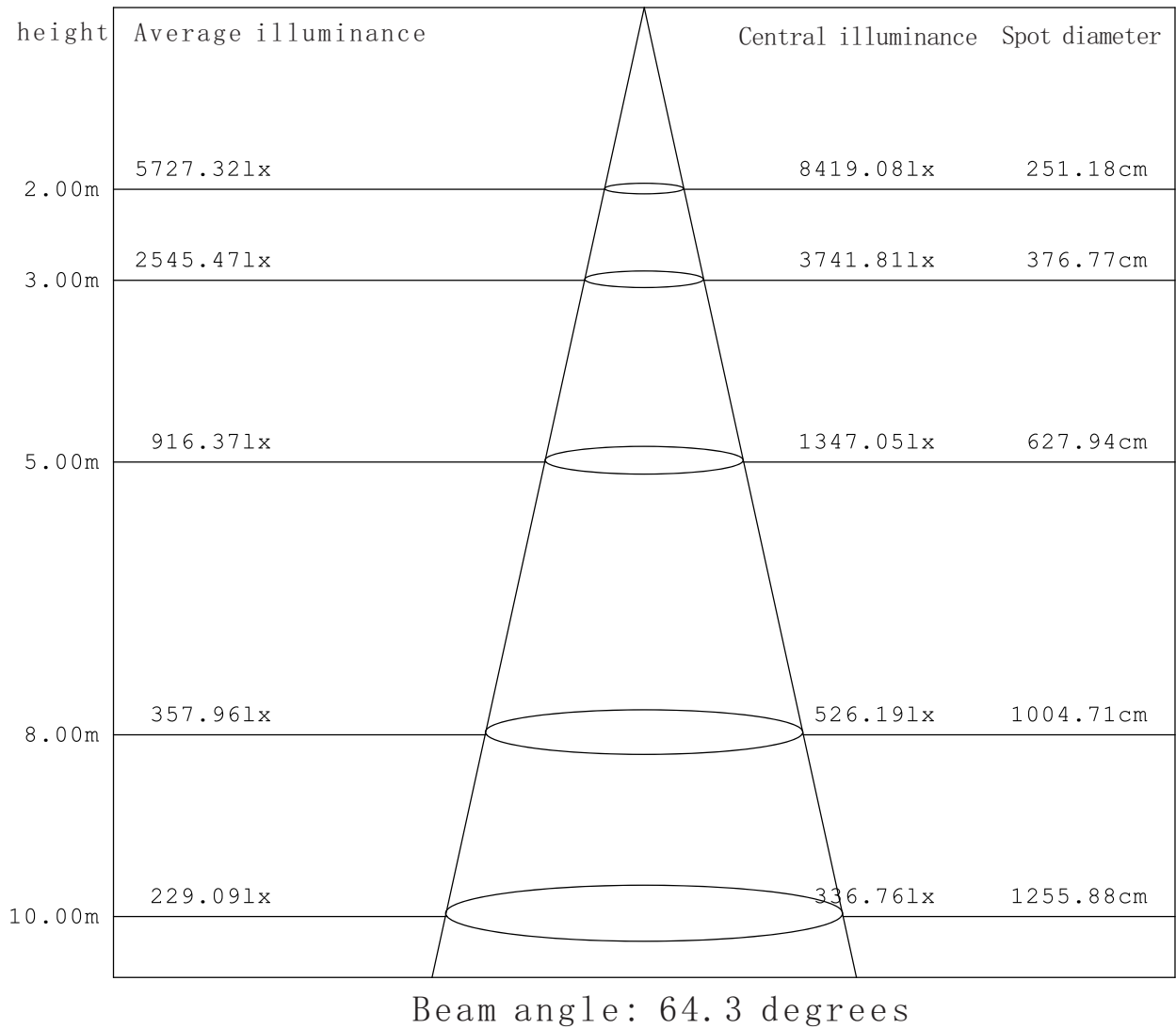


Test equipment: Rainbow HPG1800	Test setting: 5.0 degrees/second C-gamma test plan
Temperature: 25.3 °C	Humidity: 65.0%
Tested by:	Distance: 8.400 m
Date: August 7th, 2023	Remarks:

Average illuminance map

Report number:

Manufacturer: Xingya Lighting	Manufacturer's address:	
Lamp name: LED lamp	Lamp type: LED	Lamp weight:
Lamp specifications:	External dimensions:	Test number: 20230807001



Test equipment: Rainbow HPG1800	Test setting: 5.0 degrees/second C-gamma test plan
Temperature: 25.3 °C	Humidity: 65.0%
Tested by:	Distance: 8.400 m
Date: August 7th, 2023	Remarks:

Ring Band Luminous Flux Test Report

Report number:

Manufacturer: Xingya Lighting	Manufacturer's address:	
Lamp name: LED lamp	Lamp type: LED	Lamp weight:
Lamp specifications:	External dimensions:	Test number: 20230807001

γ	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma(^{\circ})$	Φ ring	Φ assemble
5.0	3332	3007	2908	3015	3369	3727	3862	3684	0~ 5	805	805
10.0	3241	2644	2648	2663	3323	4017	4268	3916	5~ 10	2391	3196
15.0	3154	2484	2139	2539	3276	4249	4533	4135	10~ 15	3955	7151
20.0	3045	2019	1490	2156	3201	4387	4498	4263	15~ 20	5321	12473
25.0	2909	1526	823.1	1693	3106	4340	4072	4200	20~ 25	6261	18734
30.0	2748	1008	250.6	1202	2967	4044	3501	3902	25~ 30	6694	25428
35.0	2545	573.5	45.01	758.5	2806	3560	3099	3410	30~ 35	6678	32105
40.0	2323	252.9	35.13	380.6	2604	3034	2759	2947	35~ 40	6469	38574
45.0	2074	201.0	34.95	227.8	2363	2636	2488	2542	40~ 45	6208	44783
50.0	1806	169.3	47.33	195.5	2098	2313	2269	2207	45~ 50	5974	50757
55.0	1547	151.1	54.00	167.2	1817	2043	2002	1924	50~ 55	5647	56404
60.0	1257	136.2	44.05	149.0	1473	1774	1756	1677	55~ 60	5197	61601
65.0	974.2	108.4	36.04	126.7	1137	1529	1539	1415	60~ 65	4591	66192
70.0	710.4	90.78	26.87	102.8	803.4	1254	1287	1129	65~ 70	3867	70059
75.0	486.4	73.04	19.85	84.65	483.5	977.7	1057	858.2	70~ 75	3089	73148
80.0	275.2	62.61	19.75	69.62	250.3	723.8	736.0	604.4	75~ 80	2280	75428
85.0	93.64	56.76	18.04	64.38	112.1	443.6	500.4	348.0	80~ 85	1474	76902
90.0	23.45	53.95	16.96	60.81	13.87	243.4	332.1	183.6	85~ 90	850	77752
95.0	13.62	49.43	15.21	57.47	8.975	129.2	220.6	70.32	90~ 95	511	78263
100.0	10.13	48.18	12.54	54.63	6.745	37.15	57.42	21.76	95~100	262	78525
105.0	8.523	41.60	12.05	50.03	6.075	18.08	24.58	17.28	100~105	139	78663
110.0	7.401	30.55	11.45	35.78	5.969	15.80	15.27	16.46	105~110	103	78766
115.0	8.107	20.55	11.36	23.43	6.604	12.36	14.81	11.49	110~115	78	78845
120.0	8.989	13.63	11.57	15.06	7.740	7.994	12.97	6.900	115~120	59	78904
125.0	9.857	12.29	11.88	12.25	8.819	5.023	8.114	5.101	120~125	45	78949
130.0	10.64	13.85	12.60	13.43	9.885	4.163	3.090	5.136	125~130	40	78989
135.0	11.43	15.01	13.72	15.26	10.85	4.163	1.517	5.475	130~135	38	79026
140.0	12.12	15.62	15.02	15.87	11.67	4.791	2.349	5.792	135~140	37	79064
145.0	12.82	16.26	16.20	16.20	12.51	5.595	3.732	6.569	140~145	36	79100
150.0	13.44	16.91	17.32	16.40	13.23	6.766	5.411	7.846	145~150	34	79134
155.0	14.02	17.28	18.18	16.58	13.80	8.043	7.105	9.462	150~155	32	79166
160.0	14.64	17.40	18.68	16.83	14.41	9.455	8.890	10.91	155~160	28	79194
165.0	15.42	17.57	18.69	17.42	15.26	11.15	10.78	12.47	160~165	24	79218
170.0	16.17	17.42	18.67	17.75	16.04	13.10	12.99	14.19	165~170	18	79236
175.0	16.60	17.15	18.45	17.71	16.56	14.85	15.68	15.83	170~175	12	79248
180.0	16.67	16.44	17.47	17.07	16.78	16.30	17.60	17.13	175~180	4	79252
Unit: °	Unit:xl0cd									Unit:lm	

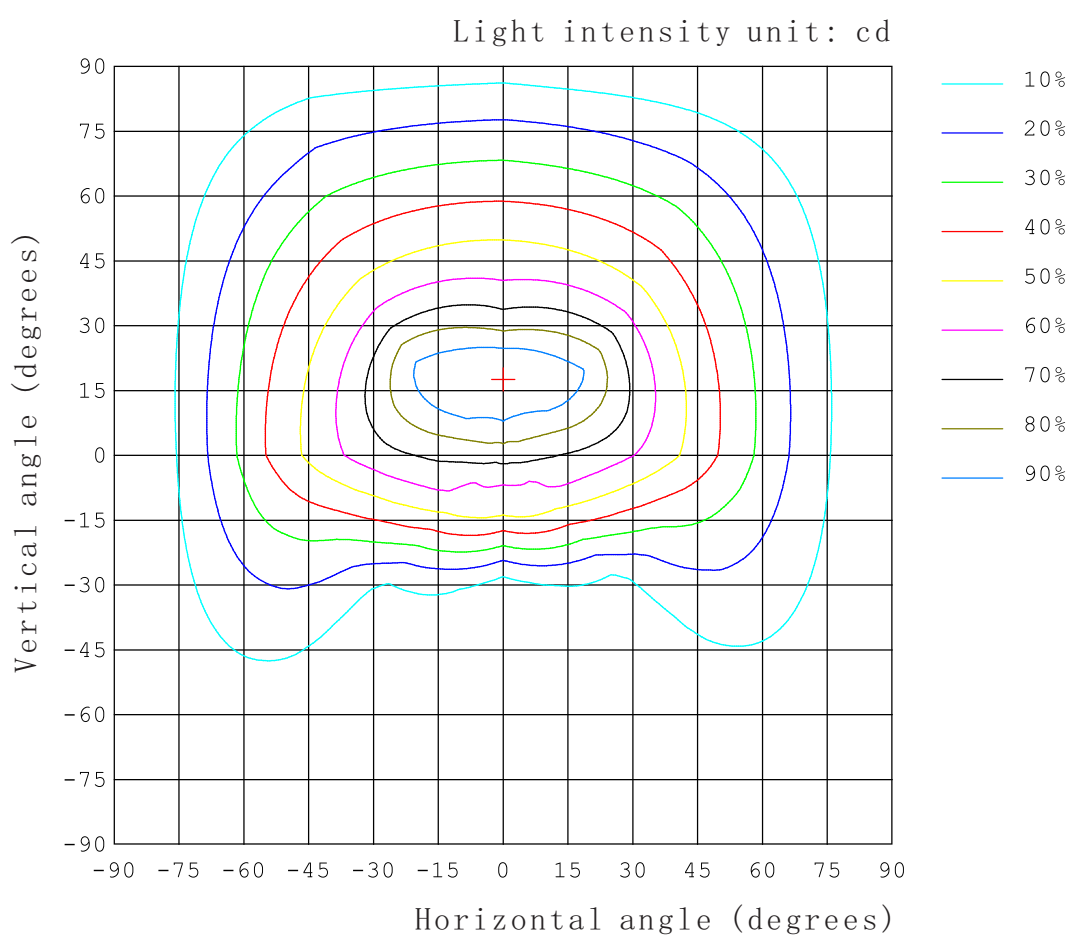
Test equipment: Rainbow HPG1800
Temperature: 25.3 °C
Tested by:
Date: August 7th, 2023

Test setting: 5.0 degrees/second C-gamma test plan
Humidity: 65.0%
Distance: 8.400 m
Remarks:

Test report on rectangular constant light intensity curve

Report number:

Manufacturer: Xingya Lighting	Manufacturer's address:	
Lamp name: LED lamp	Lamp type: LED	Lamp weight:
Lamp specifications:	External dimensions:	Test number: 20230807001



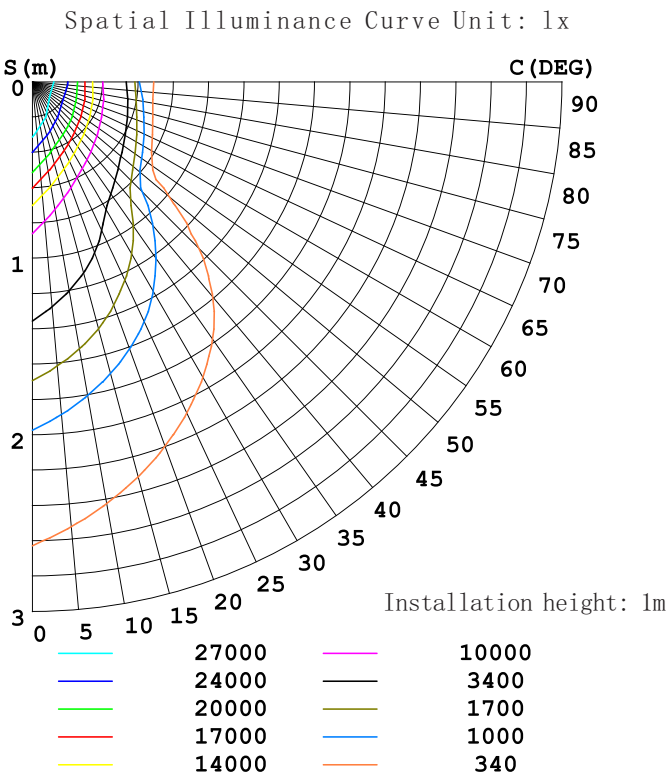
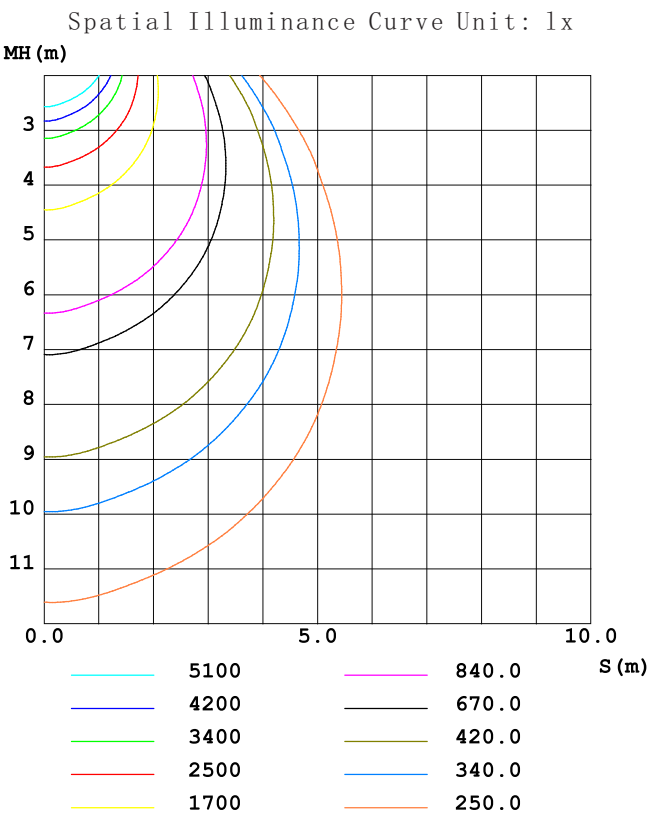
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Date: August 7th, 2023

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Humidity: 65.0%
Distance: 8.400 m
Remarks:

Isoillumiance test report

Report number:

Manufacturer: Xingya Lighting	Manufacturer's address:	
Lamp name: LED lamp	Lamp type: LED	Lamp weight:
Lamp specifications:	External dimensions:	Test number: 20230807001



Test equipment: Rainbow HPG1800
Temperature: 25.3 °C
Tested by:
Date: August 7th, 2023

Test setting: 5.0 degrees/second C-gamma test plan
Humidity: 65.0%
Distance: 8.400 m
Remarks:

Light intensity data table report

Report number:

Manufacturer: Xingya Lighting	Manufacturer's address:	
Lamp name: LED lamp	Lamp type: LED	Lamp weight:
Lamp specifications:	External dimensions:	Test number: 20230807001

单位: ×10cd

γ (度) \ C (度)								
	0	45	90	135	180	225	270	315
0.0	3368	3370	3399	3357	3368	3370	3399	3357
5.0	3332	3007	2908	3015	3369	3727	3862	3684
10.0	3241	2644	2648	2663	3323	4017	4268	3916
15.0	3154	2484	2139	2539	3276	4249	4533	4135
20.0	3045	2019	1490	2156	3201	4387	4498	4263
25.0	2909	1526	823	1693	3106	4340	4072	4200
30.0	2748	1008	251	1202	2967	4044	3501	3902
35.0	2545	574	45.0	759	2806	3560	3099	3410
40.0	2323	253	35.1	381	2604	3034	2759	2947
45.0	2074	201	34.9	228	2363	2636	2488	2542
50.0	1806	169	47.3	196	2098	2313	2269	2207
55.0	1547	151	54.0	167	1817	2043	2002	1924
60.0	1257	136	44.0	149	1473	1774	1756	1677
65.0	974	108	36.0	127	1137	1529	1539	1415
70.0	710	90.7	26.8	103	803	1254	1287	1129
75.0	486	73.0	19.8	84.6	484	978	1057	858
80.0	275	62.6	19.7	69.6	250	724	736	604
85.0	93.6	56.7	18.0	64.3	112	444	500	348
90.0	23.4	53.9	16.9	60.8	13.8	243	332	184
95.0	13.6	49.4	15.2	57.4	8.97	129	221	70.3
100.0	10.1	48.1	12.5	54.6	6.74	37.1	57.4	21.7
105.0	8.52	41.6	12.0	50.0	6.07	18.0	24.5	17.2
110.0	7.40	30.5	11.4	35.7	5.96	15.8	15.2	16.4
115.0	8.10	20.5	11.3	23.4	6.60	12.3	14.8	11.4
120.0	8.98	13.6	11.5	15.0	7.74	7.99	12.9	6.90
125.0	9.85	12.2	11.8	12.2	8.81	5.02	8.11	5.10
130.0	10.6	13.8	12.6	13.4	9.88	4.16	3.09	5.13
135.0	11.4	15.0	13.7	15.2	10.8	4.16	1.51	5.47
140.0	12.1	15.6	15.0	15.8	11.6	4.79	2.34	5.79
145.0	12.8	16.2	16.2	16.2	12.5	5.59	3.73	6.56
150.0	13.4	16.9	17.3	16.4	13.2	6.76	5.41	7.84
155.0	14.0	17.2	18.1	16.5	13.8	8.04	7.10	9.46
160.0	14.6	17.4	18.6	16.8	14.4	9.45	8.89	10.9
165.0	15.4	17.5	18.6	17.4	15.2	11.1	10.7	12.4
170.0	16.1	17.4	18.6	17.7	16.0	13.1	12.9	14.1
175.0	16.6	17.1	18.4	17.7	16.5	14.8	15.6	15.8
180.0	16.6	16.4	17.4	17.0	16.7	16.3	17.6	17.1

Test equipment: Rainbow HPG1800
Temperature: 25.3 ℃
Tested by:
Date: August 7th, 2023

Test setting: 5.0 degrees/second C-gamma test plan
Humidity: 65.0%
Distance: 8.400 m
Remarks: