

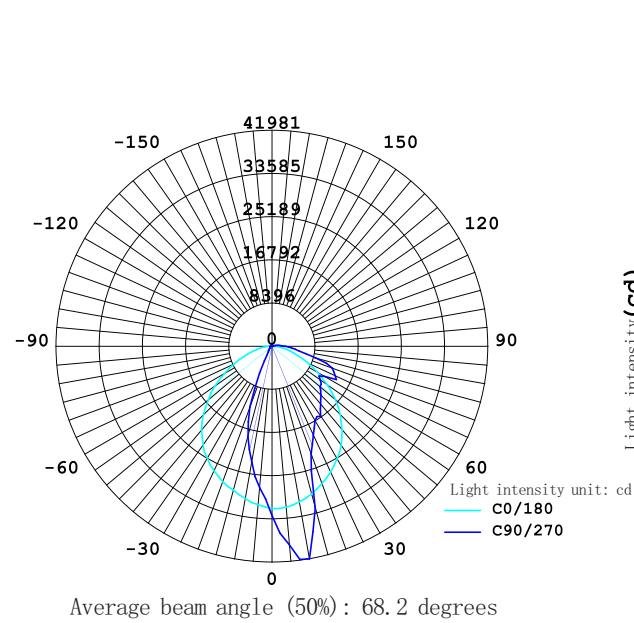
Indoor Lamp Test Report

Report number:

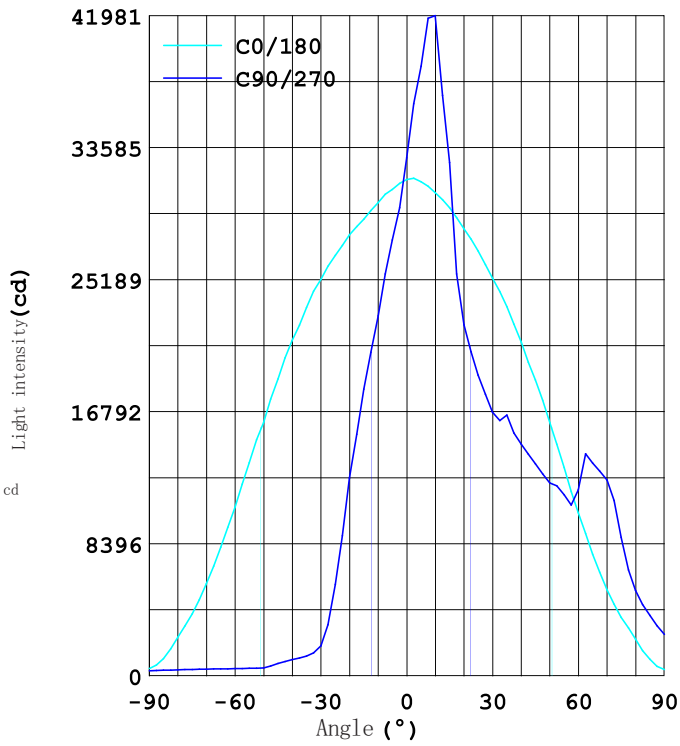
Manufacturer: Xingya Lighting	Manufacturer's address:	
Lamp name: Projection light 500W	Lamp type: LED	Lamp weight:
Lamp specifications: 500W	External dimensions:	Test number: 20230807001

Light source data		Peak light intensity (cd)	41981	Maximum aspect ratio (C0/180)	1.20
Model	500W	Luminaire efficiency (%)	100.0	Maximum aspect ratio (C90/270)	0.54
Nominal power (W)	500	Total luminous flux (lm)	57484	Voltage (V)	218.1
Rated power supply voltage (V)	218	Optical efficiency (lm/W)	117.8	Current (A)	2.760
Rated luminous flux (lm)	57483.7	Upward luminous flux ratio (%)	3.3	Power (W)	488.0
Number of light sources inside the lamp (piece)	1	Downward luminous flux ratio (%)	96.7	power factor	0.810
Measured power supply voltage (V)	218.2	Effective luminous flux (lm)	0.0	Energy Efficiency Index (EEI)	0.000

distribution curve flux



Light intensity distribution curve



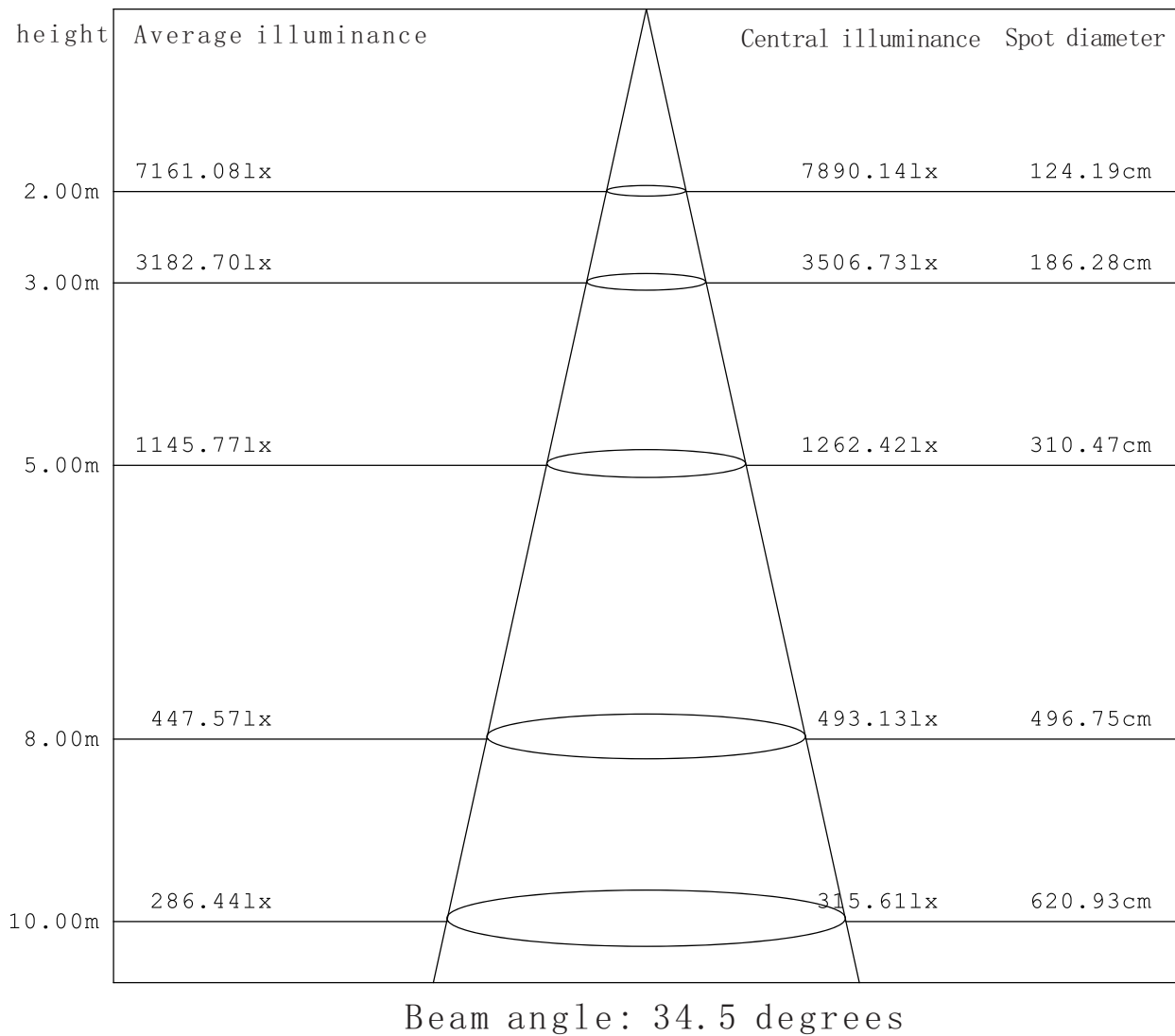
Test equipment: Rainbow HPG1800
Temperature: 25.3 °C
Tested by:
Date: April 18, 2023

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

Average illuminance map

Report number:

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Lamp specifications: 500W	External dimensions:	Test number: 20230807001



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Temperature: 25.3 °C
Tested by:
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Test setting: 5.0 degrees/second C-gamma test plan
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Distance: 8.400 m
Remarks:

Ring Band Luminous Flux Test Report

Report number:

Manufacturer: Xingya Lighting	Manufacturer's address:	
Lamp name: Projection light 500W	Lamp type: LED	Lamp weight:
Lamp specifications: 500W	External dimensions:	Test number: 20230807001

γ	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma(^{\circ})$	Φ ring	Φ assemble
5.0	3091	2867	2771	2963	3142	3671	3876	3718	0~ 5	779	779
10.0	3008	2519	2288	2611	3072	3961	4198	4008	5~ 10	2322	3101
15.0	2903	2079	1823	2178	2976	3978	3263	3742	10~ 15	3610	6711
20.0	2804	1709	1257	1828	2841	3224	2231	3073	15~ 20	4280	10991
25.0	2672	1274	580.4	1431	2702	2267	1911	2189	20~ 25	4453	15444
30.0	2521	756.6	190.8	873.8	2529	1917	1676	1873	25~ 30	4297	19741
35.0	2341	370.7	125.4	440.8	2347	1663	1658	1624	30~ 35	4200	23941
40.0	2133	216.4	102.0	228.3	2121	1470	1472	1452	35~ 40	4096	28037
45.0	1888	175.9	77.64	182.0	1881	1413	1347	1368	40~ 45	4054	32091
50.0	1610	148.8	50.30	155.9	1611	1227	1225	1216	45~ 50	3930	36020
55.0	1353	113.7	47.04	123.4	1324	1088	1150	1069	50~ 55	3685	39705
60.0	1073	84.26	45.17	91.12	1037	948.4	1181	943.7	55~ 60	3339	43044
65.0	816.1	70.35	43.96	80.12	771.5	830.3	1352	814.0	60~ 65	3145	46189
70.0	584.4	60.63	42.07	72.99	545.7	1013	1245	1034	65~ 70	2918	49108
75.0	393.4	56.06	39.95	64.13	371.0	877.0	880.8	846.3	70~ 75	2657	51764
80.0	244.3	54.18	37.46	57.80	233.3	548.7	542.1	458.7	75~ 80	1919	53683
85.0	108.6	55.00	35.03	57.34	104.6	312.0	383.3	279.2	80~ 85	1169	54852
90.0	46.51	51.13	31.72	53.85	40.58	185.8	262.6	171.4	85~ 90	733	55584
95.0	33.57	51.09	28.85	49.71	28.44	110.7	173.6	109.0	90~ 95	483	56068
100.0	24.78	50.42	26.19	47.14	23.05	66.42	114.9	69.74	95~100	340	56408
105.0	21.44	46.04	24.61	41.34	20.50	46.32	70.07	50.53	100~105	247	56655
110.0	17.42	38.35	22.77	33.86	18.79	32.28	46.29	37.44	105~110	184	56839
115.0	17.20	29.61	20.39	29.45	18.75	21.60	34.55	25.62	110~115	140	56979
120.0	19.88	23.60	18.67	24.37	19.78	11.83	23.45	13.97	115~120	107	57086
125.0	18.55	20.04	17.13	19.12	18.33	6.547	13.87	8.474	120~125	80	57166
130.0	17.16	17.73	16.01	16.42	16.59	5.080	4.529	6.710	125~130	60	57227
135.0	16.08	16.27	14.95	14.49	15.27	3.951	1.411	5.179	130~135	47	57274
140.0	15.05	15.46	14.02	13.91	14.50	4.163	2.250	4.896	135~140	40	57313
145.0	14.34	14.95	13.40	14.08	14.29	5.320	3.485	5.976	140~145	35	57349
150.0	13.65	14.33	13.45	14.14	14.08	6.491	5.030	7.331	145~150	32	57381
155.0	12.65	13.90	14.14	13.75	13.90	7.613	6.540	8.784	150~155	28	57409
160.0	12.71	14.22	14.88	13.57	13.60	9.116	8.354	10.41	155~160	25	57434
165.0	13.16	13.93	15.27	13.30	13.92	10.95	10.43	11.95	160~165	21	57454
170.0	13.97	14.21	14.58	13.74	14.54	12.53	12.82	13.29	165~170	16	57470
175.0	14.71	14.73	15.09	14.64	15.02	13.74	14.56	14.34	170~175	10	57480
180.0	15.09	14.54	15.44	14.88	15.01	14.42	15.14	14.85	175~180	4	57484
Unit: °	Unit:x10cd									Unit:1mm	

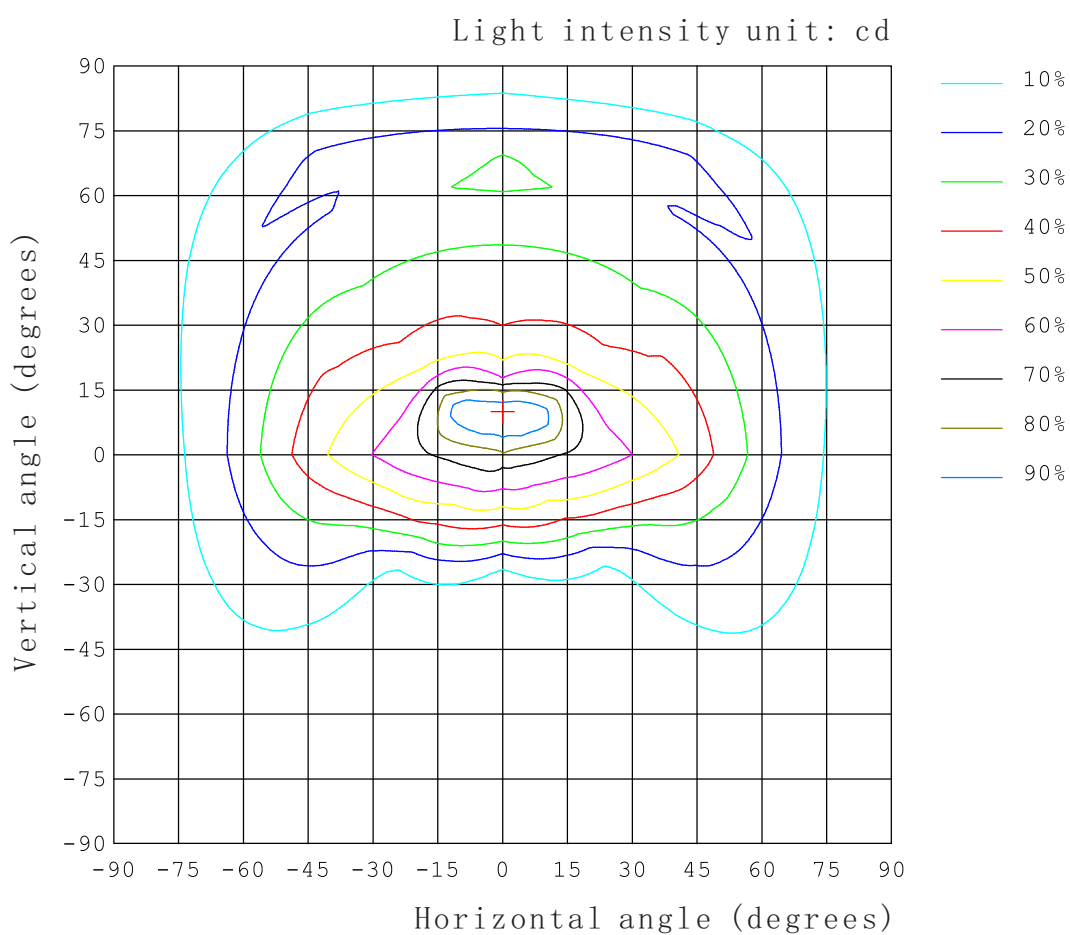
Test equipment: Rainbow HPG1800
Temperature: 25.3 °C
Tested by:
Date: April 18, 2023

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: Projection light 500W	Lamp type: LED	Lamp weight:
Lamp specifications: 500W	External dimensions:	Test number: 20230807001



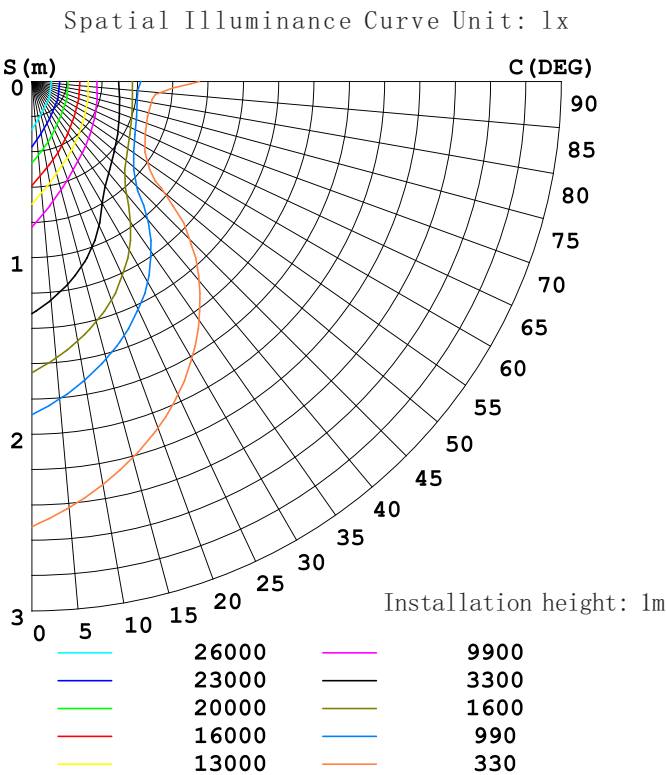
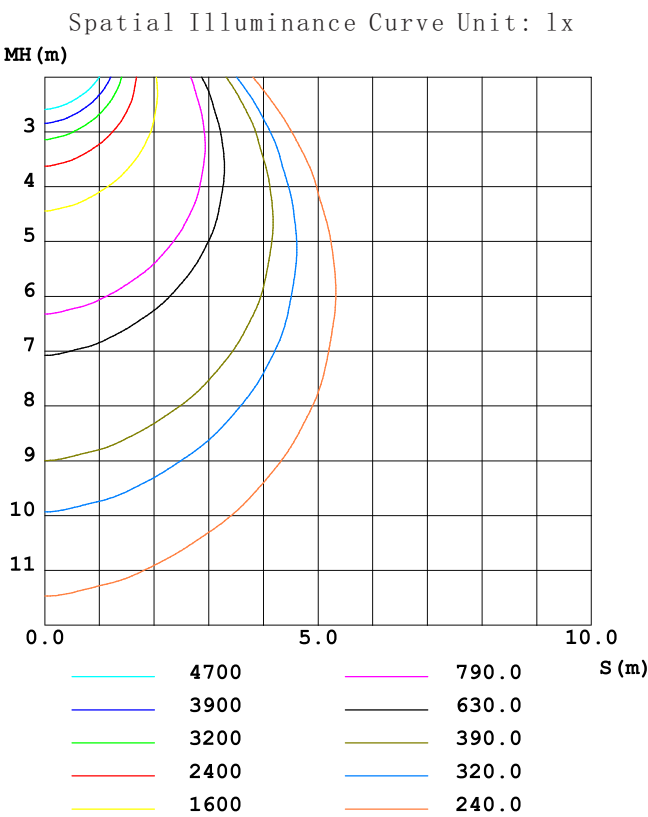
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Remarks:

Isoillumiance test report

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Lamp name: Projection light 500W	Lamp type: LED	Lamp weight:
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Tested by:
Date: April 18, 2023

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Remarks:

Light intensity data table report

Report number:

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Lamp specifications: 500W	External dimensions:	Test number: 20230807001

单位: $\times 10\text{cd}$

γ (度) \ C (度)	0	45	90	135	180	225	270	315
0.0	3156	3248	3293	3316	3156	3248	3293	3316
5.0	3091	2867	2771	2963	3142	3671	3876	3718
10.0	3008	2519	2288	2611	3072	3961	4198	4008
15.0	2903	2079	1823	2178	2976	3978	3263	3742
20.0	2804	1709	1257	1828	2841	3224	2231	3073
25.0	2672	1274	580	1431	2702	2267	1911	2189
30.0	2521	757	191	874	2529	1917	1676	1873
35.0	2341	371	125	441	2347	1663	1658	1624
40.0	2133	216	102	228	2121	1470	1472	1452
45.0	1888	176	77.6	182	1881	1413	1347	1368
50.0	1610	149	50.3	156	1611	1227	1225	1216
55.0	1353	114	47.0	123	1324	1088	1150	1069
60.0	1073	84.2	45.1	91.1	1037	948	1181	944
65.0	816	70.3	43.9	80.1	772	830	1352	814
70.0	584	60.6	42.0	72.9	546	1013	1245	1034
75.0	393	56.0	39.9	64.1	371	877	881	846
80.0	244	54.1	37.4	57.8	233	549	542	459
85.0	109	55.0	35.0	57.3	105	312	383	279
90.0	46.5	51.1	31.7	53.8	40.5	186	263	171
95.0	33.5	51.0	28.8	49.7	28.4	111	174	109
100.0	24.7	50.4	26.1	47.1	23.0	66.4	115	69.7
105.0	21.4	46.0	24.6	41.3	20.5	46.3	70.0	50.5
110.0	17.4	38.3	22.7	33.8	18.7	32.2	46.2	37.4
115.0	17.2	29.6	20.3	29.4	18.7	21.6	34.5	25.6
120.0	19.8	23.6	18.6	24.3	19.7	11.8	23.4	13.9
125.0	18.5	20.0	17.1	19.1	18.3	6.54	13.8	8.47
130.0	17.1	17.7	16.0	16.4	16.5	5.08	4.52	6.71
135.0	16.0	16.2	14.9	14.4	15.2	3.95	1.41	5.17
140.0	15.0	15.4	14.0	13.9	14.5	4.16	2.25	4.89
145.0	14.3	14.9	13.4	14.0	14.2	5.32	3.48	5.97
150.0	13.6	14.3	13.4	14.1	14.0	6.49	5.03	7.33
155.0	12.6	13.9	14.1	13.7	13.9	7.61	6.54	8.78
160.0	12.7	14.2	14.8	13.5	13.6	9.11	8.35	10.4
165.0	13.1	13.9	15.2	13.3	13.9	10.9	10.4	11.9
170.0	13.9	14.2	14.5	13.7	14.5	12.5	12.8	13.2
175.0	14.7	14.7	15.0	14.6	15.0	13.7	14.5	14.3
180.0	15.0	14.5	15.4	14.8	15.0	14.4	15.1	14.8

Test equipment: Rainbow HPG1800

Temperature: 25.3 $^{\circ}\text{C}$

Tested by:

Date: April 18, 2023

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Humidity: 65.0%

Distance: 8.400 m

Remarks: