

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		360.0 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		-3.0 degrees horizontal

Beam Spread	At 10% of Imax	148.9V x 154.4H
	At 50% of Imax	110.2V x 115.7H
	At 90% of Imax	50.2V x 53.1H

Beam Flux	Total	999.0 lumens per klm.
	To 10% of Imax	991.1 lumens per klm.
	To 50% of Imax	777.5 lumens per klm.
	To 90% of Imax	214.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
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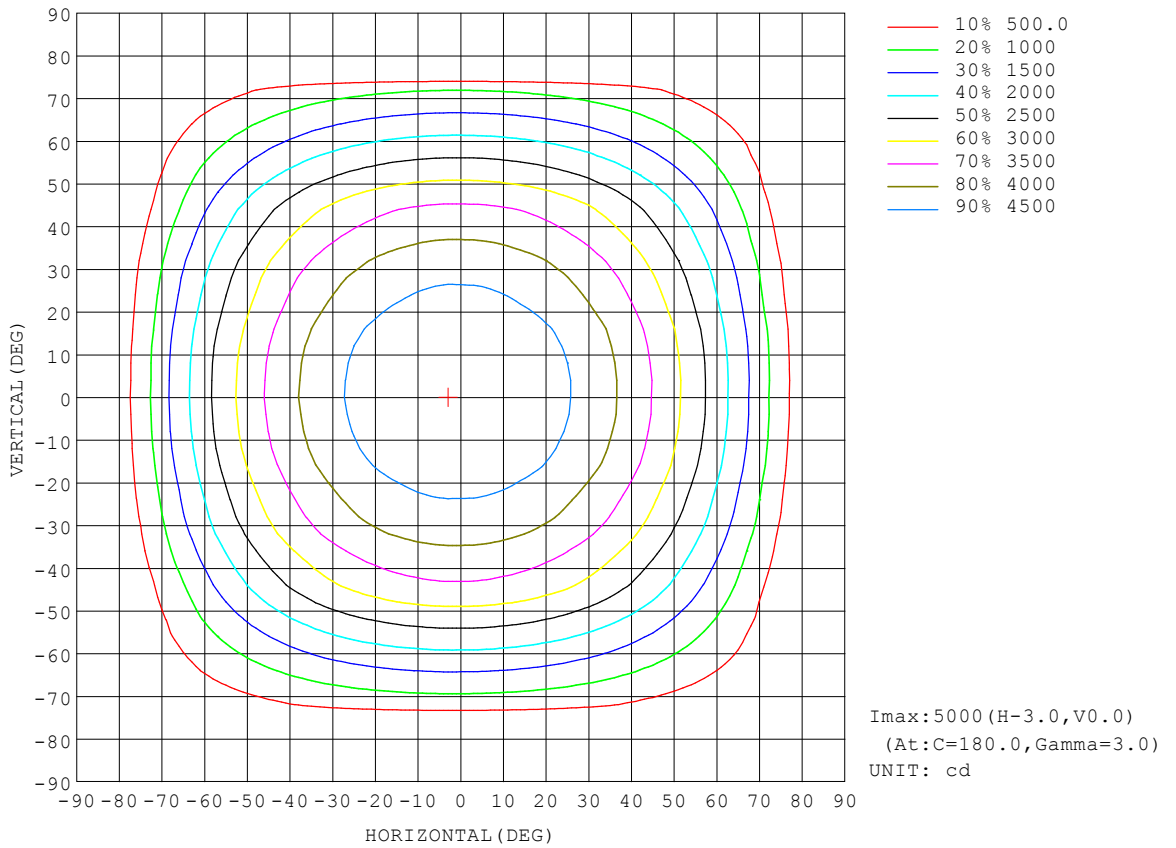
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:杨守真  
Test Date:2025-03-13

V(B) Range:-75 - 75DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.279  
Humidity:65.0%  
Test Distance:9.078m [K=1.0000]  
Remarks:



ISOCANDELA DIAGRAM

Test:U:219.80V I:0.7430A P:151.80W PF:0.9290 Freq:50.00Hz Lamp Flux:13888.8x1 lm		
NAME: Gaia S High Bay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

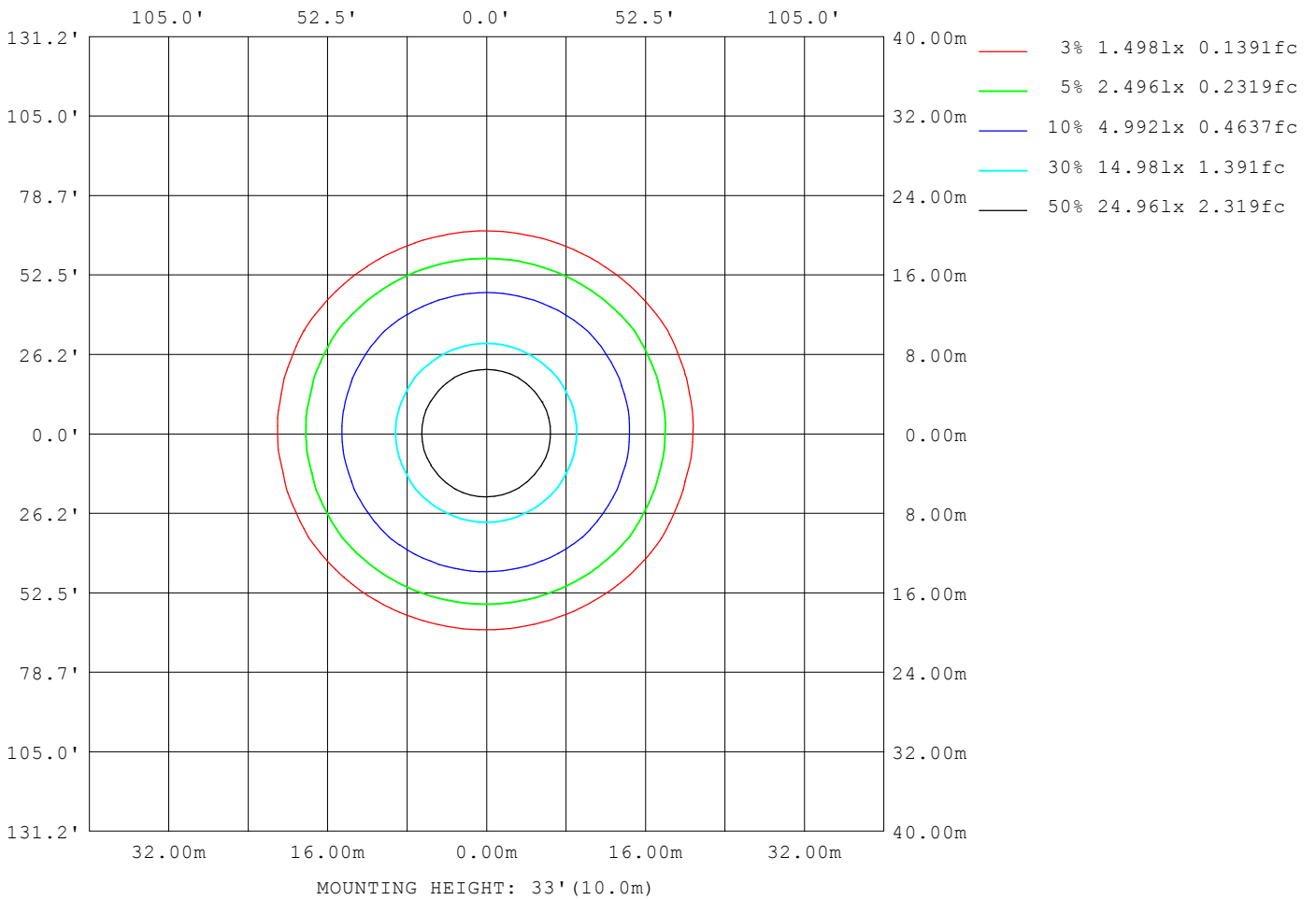


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:杨守真  
Test Date:2025-03-13

V(B) Range:-75 - 75DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.279  
Humidity:65.0%  
Test Distance:9.078m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

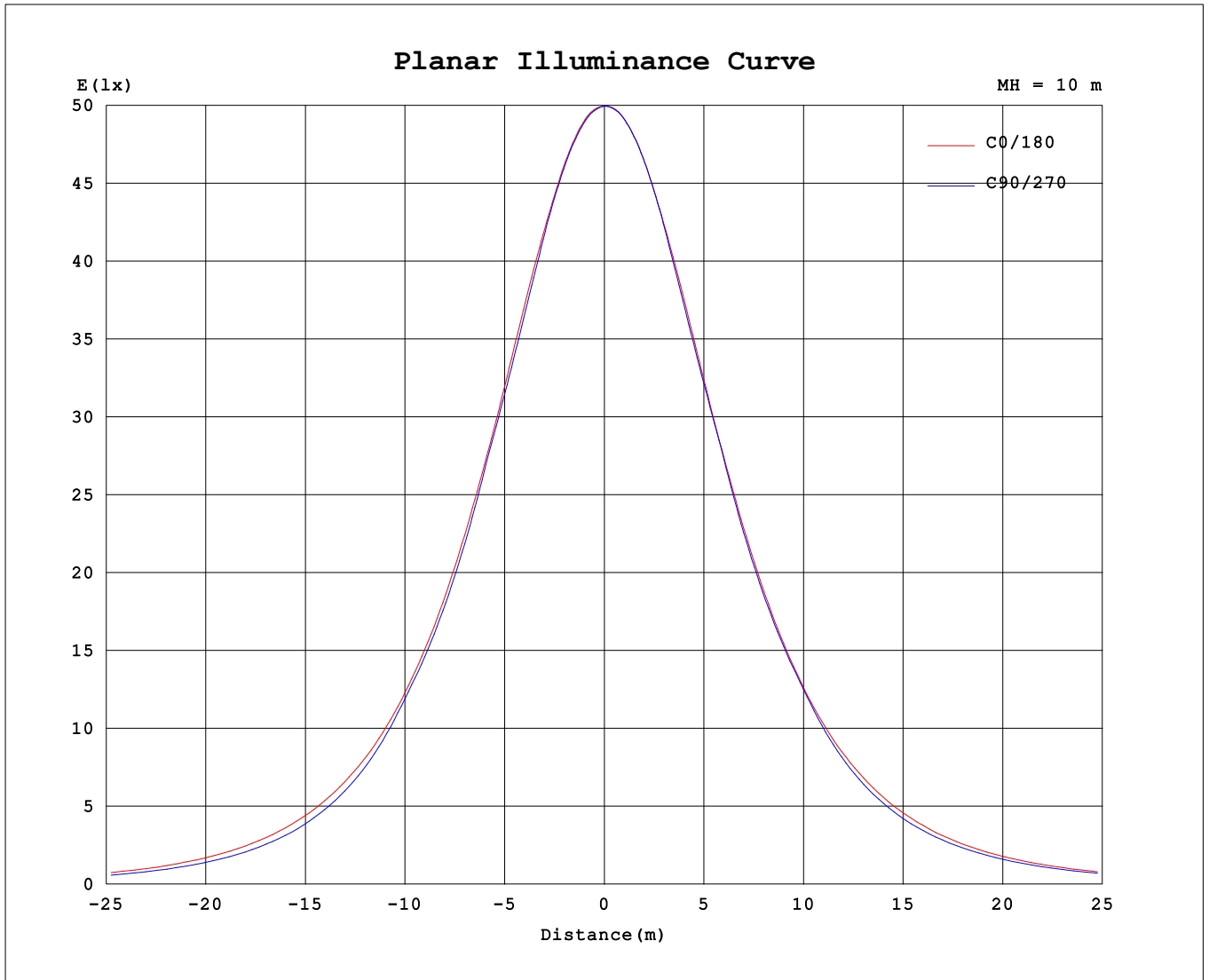
Test:U:219.80V I:0.7430A P:151.80W PF:0.9290 Freq:50.00Hz Lamp Flux:13888.8x1 lm		
NAME: Gaia S High Bay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:杨守真  
Test Date:2025-03-13

V(B) Range:-75 - 75DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.279  
Humidity:65.0%  
Test Distance:9.078m [K=1.0000]  
Remarks:

Planar Illuminance Curve

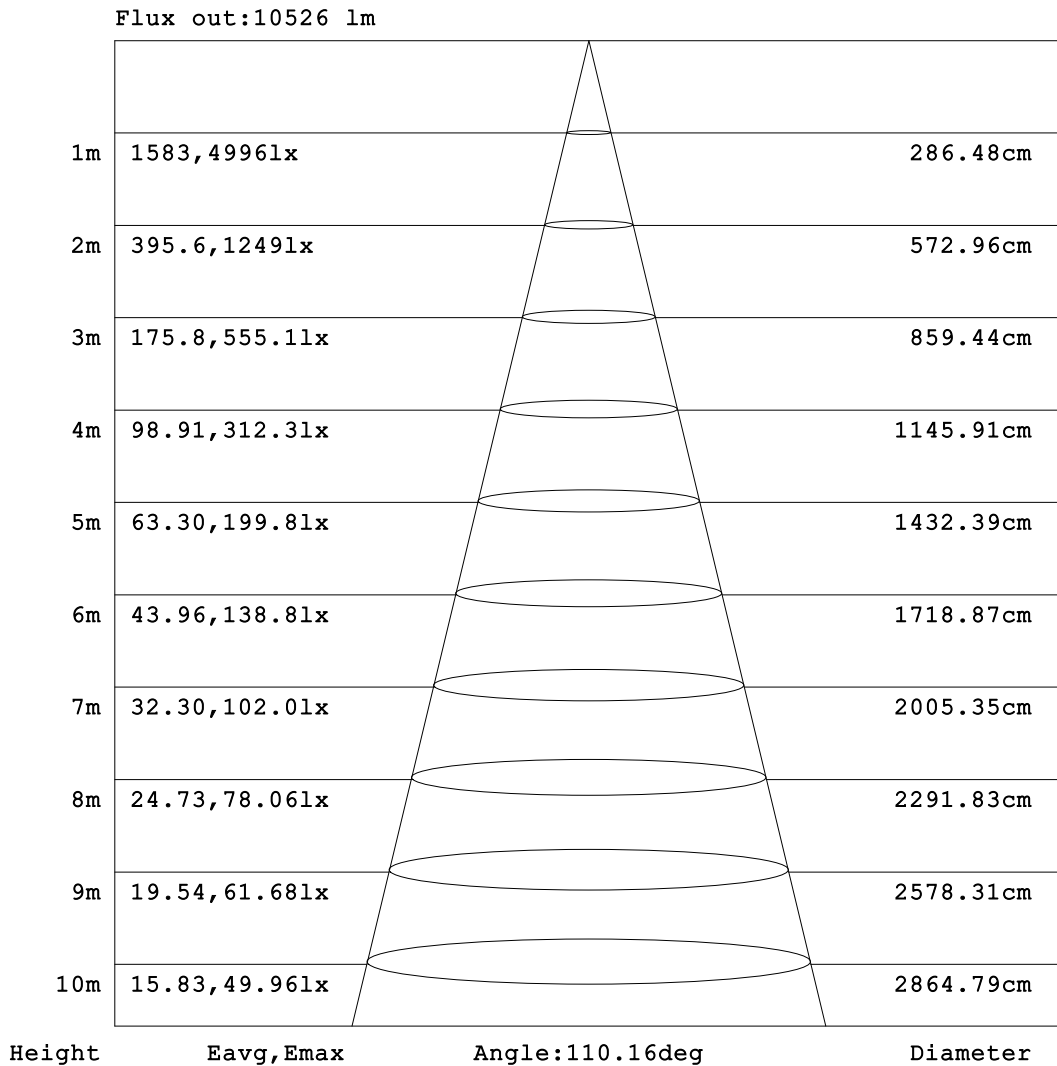


H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 1.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:杨守真  
 Test Date:2025-03-13

V(B) Range:-75 - 75DEG  
 V(B) Interval: 2.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:9.078m [K=1.0000]  
 Remarks:

**AAI Figure**

Test:U:219.80V I:0.7430A P:151.80W PF:0.9290 Freq:50.00Hz Lamp Flux:13888.8x1 lm		
NAME: Gaia S High Bay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



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

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:杨守真  
Test Date:2025-03-13

V(B) Range:-75 - 75DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.279  
Humidity:65.0%  
Test Distance:9.078m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.80V I:0.7430A P:151.80W PF:0.9290 Freq:50.00Hz Lamp Flux:13888.8x1 lm		
NAME: Gaia S High Bay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	2.22	4.17	16.2	53.9	111	189	279	368	460	551	634	709	776	829	871	904	927	940	941
-65	2.18	4.39	25.5	90.3	188	310	445	573	700	821	931	1028	1115	1185	1239	1284	1313	1331	1332
-60	2.13	4.72	39.5	145	303	492	695	881	1060	1226	1377	1508	1624	1719	1792	1852	1891	1917	1919
-55	2.10	4.94	48.8	181	381	613	862	1086	1299	1497	1674	1828	1963	2075	2161	2232	2277	2307	2310
-50	2.05	5.28	62.7	236	496	794	1111	1393	1659	1902	2120	2308	2472	2609	2713	2801	2856	2893	2897
-45	2.02	5.50	72.0	273	573	915	1278	1598	1899	2172	2418	2628	2812	2965	3082	3180	3242	3284	3289
-40	1.92	6.00	105	356	713	1111	1502	1857	2184	2482	2747	2973	3171	3334	3464	3566	3636	3678	3683
-35	1.85	6.36	130	416	810	1244	1648	2023	2364	2675	2951	3185	3391	3559	3696	3799	3873	3915	3921
-30	1.75	6.90	167	506	955	1442	1867	2272	2634	2965	3257	3503	3721	3896	4044	4148	4230	4271	4278
-25	1.64	7.22	185	548	1020	1519	1958	2371	2743	3079	3376	3629	3849	4029	4179	4286	4369	4412	4419
-20	1.49	7.68	212	612	1118	1633	2094	2520	2908	3250	3554	3817	4041	4228	4381	4492	4579	4624	4631
-15	1.38	8.00	230	655	1184	1709	2184	2620	3017	3364	3672	3943	4169	4360	4516	4629	4718	4766	4772
-10	1.25	9.73	262	706	1269	1803	2288	2733	3140	3490	3804	4074	4304	4495	4652	4770	4855	4901	4912
-5	1.17	9.40	266	717	1292	1830	2316	2766	3170	3527	3844	4116	4349	4539	4696	4819	4902	4951	4964
0	1.10	10.1	276	747	1321	1860	2350	2799	3213	3571	3882	4160	4388	4587	4743	4856	4946	4992	4996
5	1.09	9.29	272	729	1308	1849	2337	2788	3197	3557	3871	4149	4379	4576	4732	4848	4937	4986	4994
10	1.07	9.23	269	724	1296	1835	2322	2767	3175	3527	3839	4113	4342	4536	4690	4809	4893	4940	4949
15	1.07	8.15	250	694	1253	1785	2267	2711	3110	3461	3774	4046	4277	4468	4621	4739	4825	4872	4880
20	1.06	7.23	224	643	1168	1686	2153	2584	2971	3318	3624	3887	4114	4300	4451	4566	4650	4697	4703
25	1.06	6.70	208	608	1108	1616	2072	2494	2874	3216	3517	3773	3998	4179	4330	4442	4524	4570	4575
30	1.05	5.92	183	555	1018	1512	1951	2359	2728	3065	3357	3602	3822	3997	4147	4256	4335	4379	4384
35	1.05	5.20	159	496	922	1387	1813	2203	2559	2883	3164	3405	3617	3787	3931	4038	4113	4157	4163
40	1.04	4.13	122	407	778	1200	1606	1969	2305	2610	2876	3110	3309	3473	3607	3710	3781	3823	3831
45	1.04	3.41	98.1	348	682	1075	1469	1813	2136	2428	2684	2913	3103	3263	3391	3492	3559	3601	3610
50	1.04	2.86	77.1	279	553	882	1217	1511	1790	2045	2267	2469	2635	2775	2886	2976	3035	3071	3079
55	1.04	2.57	65.2	236	470	753	1043	1302	1547	1775	1972	2153	2301	2426	2526	2606	2659	2692	2700
60	1.05	2.13	47.3	170	344	559	782	987	1183	1370	1530	1680	1801	1904	1986	2052	2097	2124	2130
65	1.05	1.84	35.3	127	261	429	609	777	940	1100	1235	1364	1467	1555	1626	1683	1721	1744	1750
70	1.05	1.39	17.4	61.9	135	235	348	463	576	695	792	890	967	1032	1086	1129	1158	1176	1180
75	1.05	1.10	5.51	18.5	51.5	106	174	253	333	425	497	574	633	684	726	760	783	797	800
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:杨守真  
Test Date:2025-03-13

V(B) Range:-75 - 75DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.279  
Humidity:65.0%  
Test Distance:9.078m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.80V I:0.7430A P:151.80W PF:0.9290 Freq:50.00Hz Lamp Flux:13888.8x1 lm		
NAME: Gaia S High Bay	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-70	934	915	887	848	802	745	679	601	519	431	345	259	181	103	51.8	16.9	5.49	2.59
-65	1324	1300	1264	1214	1155	1080	994	893	784	664	542	418	299	174	85.7	25.9	5.71	2.56
-60	1909	1877	1831	1764	1685	1583	1466	1330	1180	1013	838	656	475	279	137	39.4	6.04	2.52
-55	2299	2261	2209	2131	2038	1919	1781	1622	1444	1246	1035	815	593	350	171	48.4	6.26	2.49
-50	2884	2838	2775	2680	2568	2422	2253	2060	1841	1595	1331	1054	770	456	221	61.9	6.59	2.45
-45	3275	3223	3153	3047	2922	2758	2568	2351	2105	1828	1528	1212	888	527	255	70.9	6.81	2.42
-40	3668	3614	3536	3425	3286	3113	2906	2673	2404	2102	1776	1424	1059	663	332	97.9	7.24	2.29
-35	3905	3850	3767	3653	3507	3329	3113	2872	2590	2275	1934	1561	1173	757	387	118	7.53	2.19
-30	4260	4204	4114	3997	3839	3655	3424	3170	2869	2534	2172	1767	1344	899	468	147	7.98	2.05
-25	4402	4346	4253	4135	3975	3787	3556	3296	2991	2650	2277	1863	1425	966	511	167	8.93	1.92
-20	4617	4559	4463	4342	4180	3984	3756	3485	3174	2822	2434	2006	1546	1067	574	197	10.4	1.74
-15	4760	4701	4602	4481	4316	4116	3888	3611	3296	2938	2539	2102	1627	1134	617	217	11.3	1.62
-10	4890	4833	4737	4609	4442	4240	4000	3719	3400	3040	2639	2189	1706	1193	669	231	11.0	1.45
-5	4941	4883	4790	4661	4496	4296	4059	3779	3459	3095	2683	2235	1745	1229	694	242	12.4	1.36
0	4982	4923	4822	4698	4532	4323	4085	3796	3478	3108	2702	2249	1759	1238	699	243	11.5	1.26
5	4977	4918	4821	4693	4530	4325	4090	3808	3488	3122	2709	2261	1768	1249	709	249	12.7	1.22
10	4926	4867	4774	4645	4481	4278	4038	3759	3440	3081	2676	2229	1741	1225	691	240	11.4	1.20
15	4865	4806	4711	4587	4424	4224	3993	3716	3397	3044	2633	2191	1709	1202	677	238	12.0	1.18
20	4690	4632	4538	4417	4255	4062	3834	3564	3252	2906	2509	2077	1613	1126	622	217	10.6	1.16
25	4561	4505	4412	4292	4132	3943	3715	3451	3143	2803	2418	1994	1543	1069	581	200	9.38	1.16
30	4369	4314	4223	4105	3946	3765	3538	3282	2981	2649	2282	1869	1438	985	519	176	7.51	1.15
35	4147	4094	4008	3894	3742	3567	3346	3098	2809	2488	2135	1741	1331	898	467	155	6.70	1.14
40	3815	3765	3685	3577	3435	3270	3059	2823	2551	2247	1914	1548	1171	767	388	124	5.48	1.13
45	3594	3546	3470	3366	3231	3072	2868	2639	2379	2087	1767	1420	1063	681	336	103	4.67	1.12
50	3065	3023	2957	2865	2747	2607	2429	2230	2003	1749	1474	1178	876	555	271	81.6	3.90	1.12
55	2686	2648	2589	2506	2400	2275	2117	1940	1737	1512	1269	1010	747	471	229	69.0	3.45	1.11
60	2118	2087	2037	1968	1881	1777	1648	1505	1337	1155	961	757	554	346	166	50.2	2.77	1.11
65	1739	1712	1669	1610	1534	1445	1336	1214	1071	918	755	589	426	263	124	37.6	2.32	1.10
70	1171	1150	1117	1072	1014	948	867	779	671	561	447	337	233	138	61.7	18.7	1.64	1.10
75	793	776	750	713	668	616	555	489	405	323	242	169	104	54.4	19.8	6.17	1.18	1.09
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:杨守真  
Test Date:2025-03-13

V(B) Range:-75 - 75DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.279  
Humidity:65.0%  
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Remarks: