

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	437.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	118.8V x 144.0H
	At 50% of Imax	85.4V x 137.3H
	At 90% of Imax	35.0V x 132.2H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	961.8 lumens per klm.
	To 50% of Imax	819.3 lumens per klm.
	To 90% of Imax	98.0 lumens per klm.

Upward LOR	0.6 %
Downward LOR	99.5 %

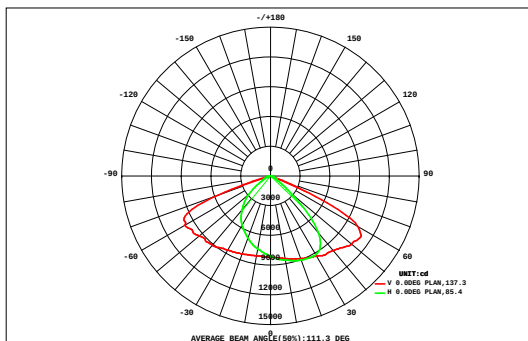
Luminaire Efficiency(Light Output Ratio)	100.0 %
--	---------

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LEO
Test Date:01 September 2025

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:6.900m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.0V I:0.6805A P:148.6W PF:0.9882 Freq:49.99Hz Lamp Flux:25140.4x1 lm		
NAME: ST-S008	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: GUOZHAN	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:169.17lm/W	
MODEL		Imax(cd)	10996
NOMINAL POWER(W)		AVAILABILITY(%)	96.6
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	24292
NOMINAL FLUX(lm)	25140.4	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	25140
TEST VOLTAGE(V)	220	θ @50%(H,V)	137,85DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
	0.10	0.31	0.54	0.81	1.17	1.94	2.97	4.06	5.06	5.37	4.95	4.29	3.48	2.59	1.58	0.81	0.32	0.07	40.4	0.00
90	0.11	0.38	0.87	1.82	3.47	5.88	8.25	10.2	11.6	12.1	11.6	10.4	8.60	6.33	3.79	1.78	0.58	0.09	97.9	0.00
80	0.11	0.51	1.60	3.93	7.17	10.8	15.5	20.0	22.7	23.6	22.4	18.7	14.2	12.9	7.64	2.93	0.90	0.12	186	1.90
70	0.12	0.70	2.60	9.03	22.2	26.9	43.8	55.5	58.4	59.4	58.6	49.3	33.6	37.9	32.0	6.48	1.24	0.15	498	436
60	0.13	0.93	4.74	37.6	69.5	73.0	96.5	114	116	116	113	97.9	77.3	75.5	70.2	23.6	1.67	0.17	1088	1076
50	0.14	1.15	14.7	84.8	117	126	145	163	163	160	157	139	122	112	98.9	51.3	2.80	0.19	1658	1650
40	0.15	1.36	34.0	124	154	170	187	200	197	192	188	174	160	142	122	76.2	5.68	0.21	2128	2122
30	0.16	1.56	55.1	153	183	203	219	227	223	217	211	202	188	166	142	95.2	9.48	0.22	2494	2489
20	0.16	1.73	71.0	177	208	228	241	245	241	235	232	224	210	188	160	110	12.5	0.22	2785	2781
10	0.16	1.73	71.0	180	217	240	253	258	256	255	249	238	223	199	166	111	12.5	0.22	2930	2926
0	0.16	1.53	55.2	160	210	242	259	267	269	267	261	247	229	200	158	97.8	9.41	0.21	2933	2928
-10	0.15	1.32	34.0	131	192	238	265	275	278	276	269	256	233	196	145	78.8	5.56	0.20	2874	2868
-20	0.14	1.09	14.6	87.7	150	209	247	262	266	264	259	250	228	177	121	52.5	2.63	0.18	2591	2583
-30	0.12	0.87	4.58	37.5	80.8	125	166	180	171	174	192	198	182	129	81.3	23.3	1.48	0.15	1746	1734
-40	0.11	0.65	2.38	8.70	22.0	32.8	57.9	67.2	54.7	65.2	99.2	109	87.2	57.5	32.8	5.83	1.03	0.13	704	652
-50	0.10	0.43	1.44	3.46	6.55	9.14	12.2	15.1	15.5	21.3	29.3	27.1	17.5	11.7	6.30	2.29	0.70	0.10	180	47.2
-60	0.10	0.28	0.64	1.50	2.81	4.01	4.88	5.29	5.21	5.47	5.97	5.89	5.33	4.27	2.58	1.23	0.42	0.07	55.9	0.00
-70	0.09	0.24	0.33	0.36	0.42	0.63	0.83	0.95	0.99	1.15	1.43	1.56	1.51	1.26	0.79	0.41	0.18	0.05	13.2	0.00
-80	0.09	0.24	0.33	0.36	0.42	0.63	0.83	0.95	0.99	1.15	1.43	1.56	1.51	1.26	0.79	0.41	0.18	0.05	13.2	0.00
-90	0.09	0.24	0.33	0.36	0.42	0.63	0.83	0.95	0.99	1.15	1.43	1.56	1.51	1.26	0.79	0.41	0.18	0.05	13.2	0.00
HORIZONTAL (DEG)																				
Φ t	2.34	16.8	369	1202	1647	1945	2225	2368	2354	2350	2363	2254	2024	1718	1351	741	69.1	2.73	25002	---
Φ a	0.00	0.00	335	1172	1607	1892	2169	2307	2287	2284	2306	2201	1971	1678	1322	715	45.0	0.00	---	24292

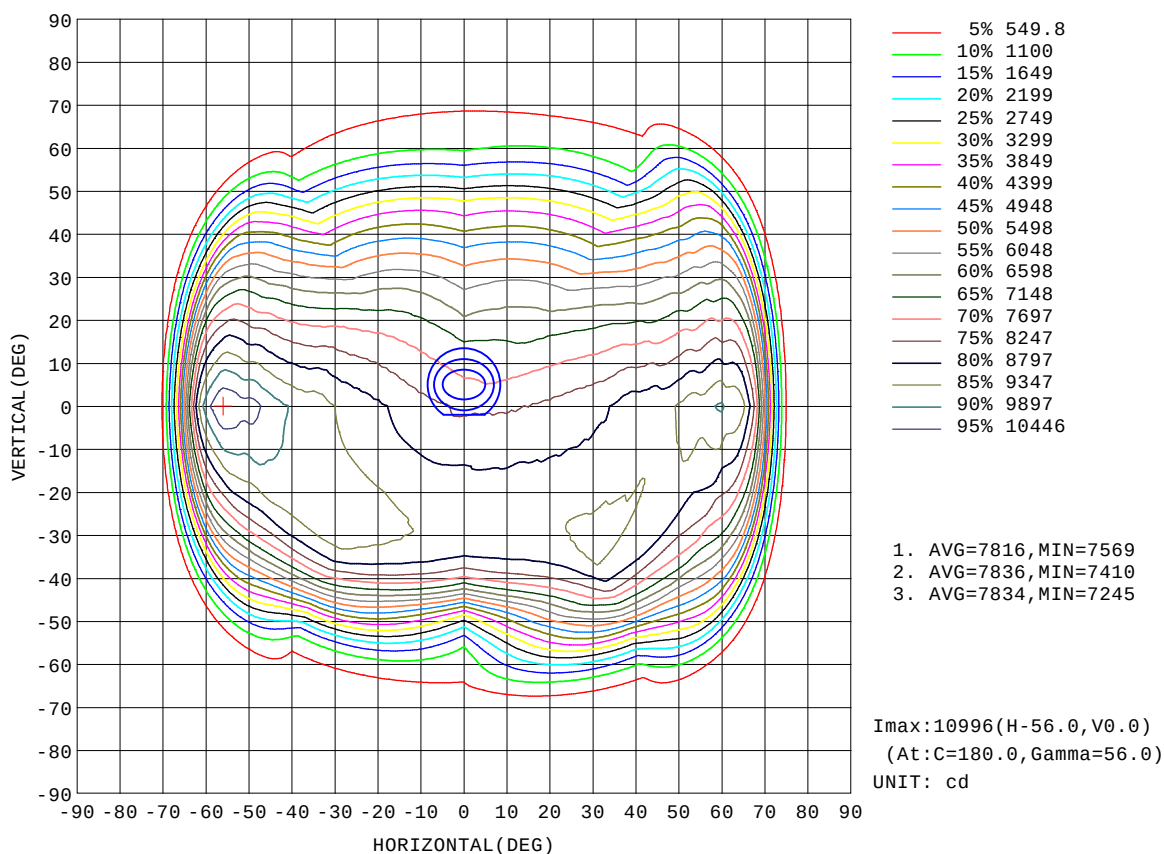
one-half-peak spread: U:17.2,D:39.6 , L:10.2,R:8.NEMA Beam Type: Type 7 x 6 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LEO
Test Date:01 September 2025

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:6.900m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.0V I:0.6805A P:148.6W PF:0.9882 Freq:49.99Hz Lamp Flux:25140.4x1 lm		
NAME: ST-S008	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: GUOZHAN	SUR.:	Shielding Angle:

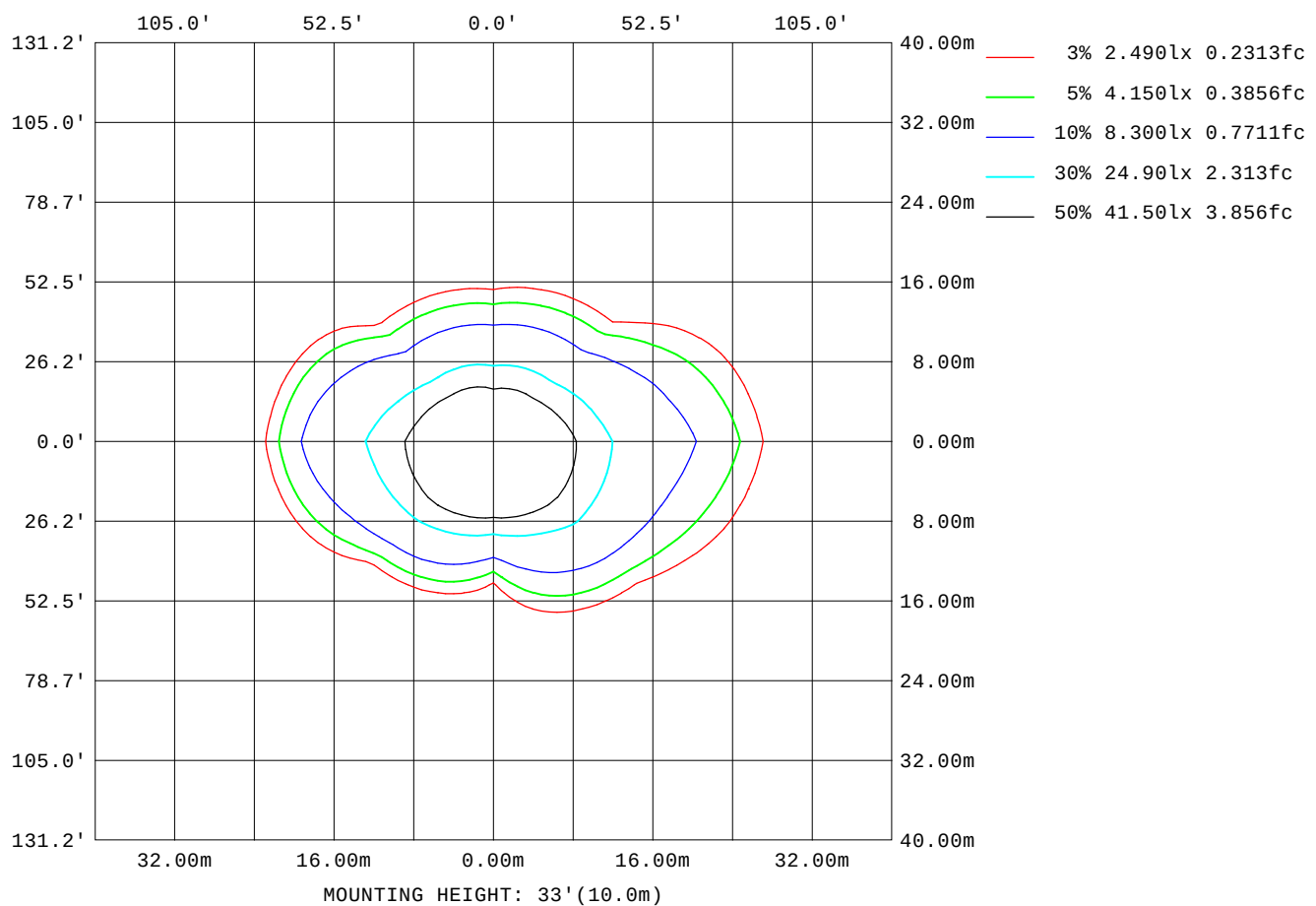


$H(\beta)$ Range:-90 - 90DEG
 $H(\beta)$ Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LEO
Test Date:01 September 2025

$V(B)$ Range:-180 - 180DEG
 $V(B)$ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:6.900m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

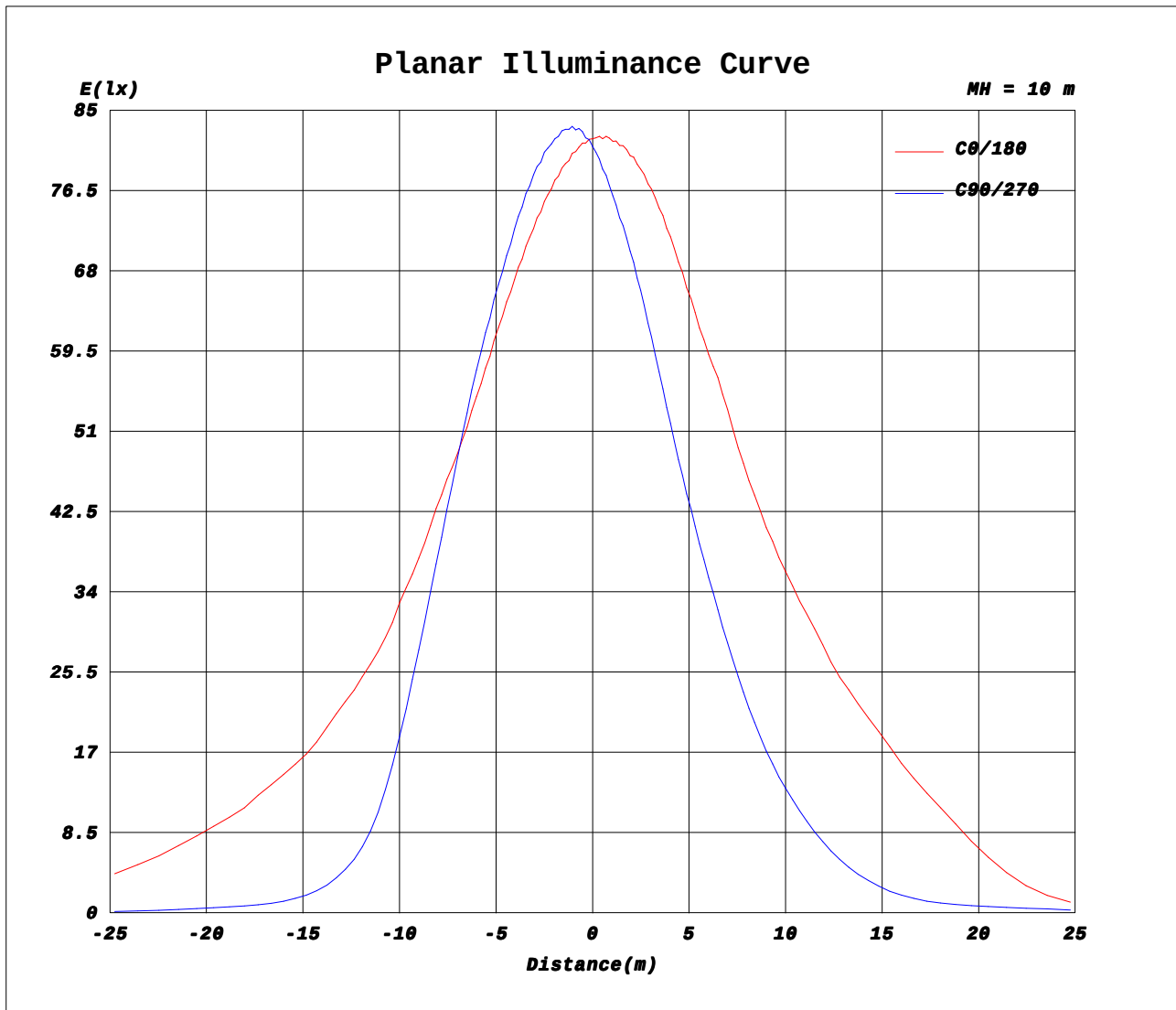
Test:U:221.0V I:0.6805A P:148.6W PF:0.9882 Freq:49.99Hz Lamp Flux:25140.4x1 lm		
NAME: ST-S008	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: GUOZHAN	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LEO
Test Date:01 September 2025

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:6.900m [K=1.0000]
Remarks:

Planar Illuminance Curve

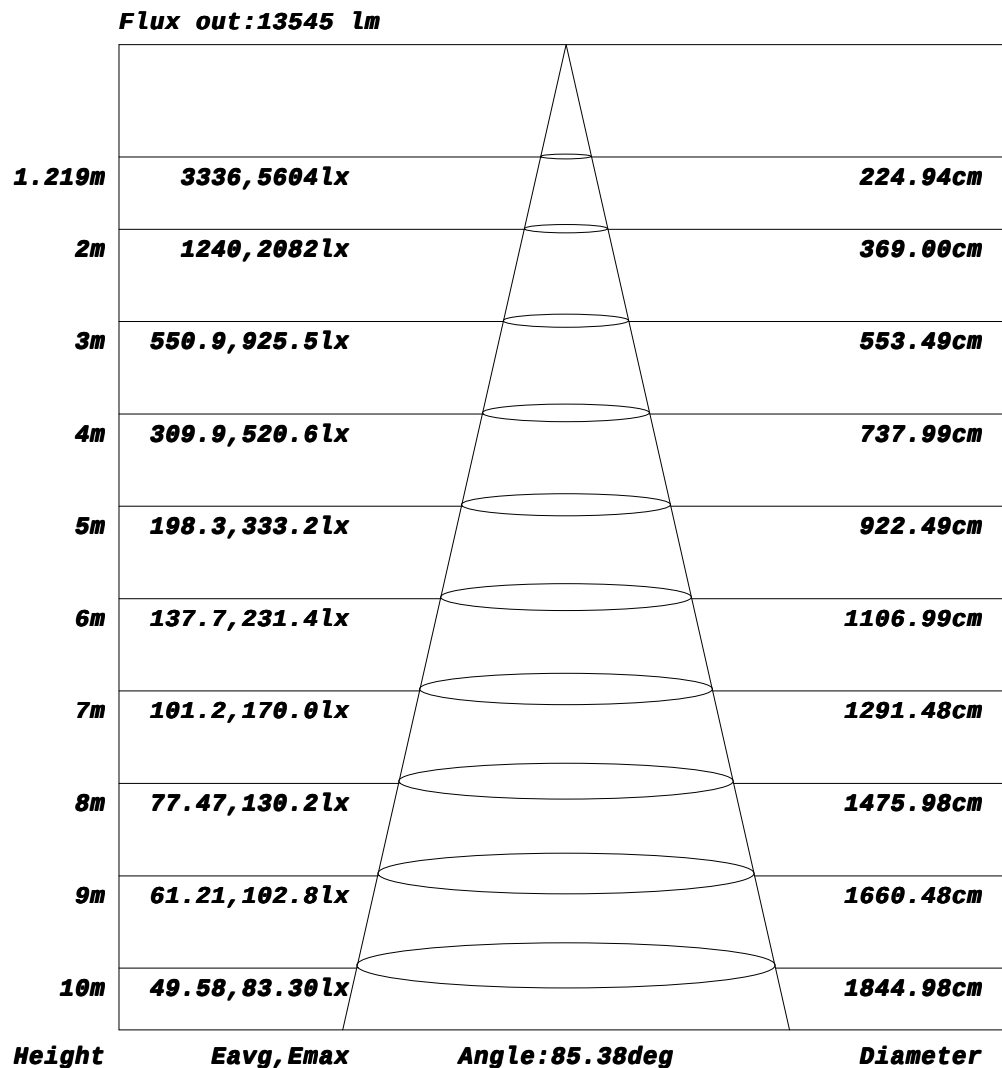


$H(\beta)$ Range: -90 - 90DEG
 $H(\beta)$ Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LEO
Test Date: 01 September 2025

$V(B)$ Range: -180 - 180DEG
 $V(B)$ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 6.900m [K=1.0000]
Remarks:

AAI Figure

Test:U:221.0V I:0.6805A P:148.6W PF:0.9882 Freq:49.99Hz Lamp Flux:25140.4x1 lm		
NAME: ST-S008	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: GUOZHAN	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: 0.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LEO
Test Date: 01 September 2025

V(β) Range: -180 - 180DEG
V(β) Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 6.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:0.6805A P:148.6W PF:0.9882 Freq:49.99Hz Lamp Flux:25140.4x1 lm		
NAME: ST-S008	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: GUOZHAN	SUR.:	Shielding Angle:

Table--1
UNIT: ×10cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	3.94	3.95	4.02	4.04	3.95	3.77	3.53	3.28	3.03	2.85	2.69	2.51	2.32	2.16	2.03	1.96	1.96	1.99	2.44
-170	3.94	3.89	3.91	3.87	3.74	3.52	3.27	3.00	2.75	2.56	2.41	2.26	2.12	2.03	1.98	1.99	2.05	2.22	2.42
-160	3.94	3.84	3.79	3.71	3.54	3.31	3.05	2.78	2.52	2.31	2.15	2.01	1.90	1.82	1.79	1.89	2.01	2.13	2.24
-150	3.94	3.79	3.68	3.56	3.37	3.12	2.85	2.58	2.32	2.09	1.90	1.74	1.61	1.56	1.65	1.75	1.84	1.92	1.99
-140	3.94	3.74	3.58	3.41	3.21	2.95	2.68	2.40	2.14	1.89	1.67	1.48	1.42	1.48	1.54	1.61	1.67	1.73	1.78
-130	3.94	3.69	3.48	3.28	3.05	2.79	2.51	2.23	1.95	1.68	1.43	1.33	1.38	1.42	1.46	1.50	1.55	1.59	1.63
-120	3.94	3.66	3.41	3.16	2.91	2.64	2.36	2.06	1.77	1.48	1.25	1.28	1.30	1.33	1.36	1.39	1.42	1.44	1.47
-110	3.94	3.65	3.35	3.07	2.79	2.50	2.21	1.91	1.61	1.30	1.20	1.22	1.24	1.26	1.28	1.29	1.31	1.32	1.34
-100	3.94	3.63	3.33	3.02	2.72	2.41	2.11	1.80	1.49	1.18	1.17	1.19	1.20	1.22	1.23	1.25	1.26	1.28	1.29
-90	3.94	3.64	3.34	3.04	2.74	2.44	2.14	1.84	1.54	1.24	1.25	1.26	1.27	1.27	1.28	1.29	1.30	1.31	1.32
-80	3.94	3.69	3.44	3.22	3.01	2.82	2.64	3.03	3.98	5.41	6.74	7.66	8.20	8.50	8.65	8.62	8.44	8.10	7.64
-70	3.94	3.76	3.69	3.80	5.30	7.93	10.7	13.6	16.8	20.7	23.7	26.0	27.7	28.4	28.4	28.3	28.0	27.4	26.4
-60	3.94	3.86	4.12	6.43	9.82	13.8	19.4	27.0	34.0	44.9	43.6	50.0	63.0	78.0	90.8	96.9	95.0	85.2	70.7
-50	3.94	4.01	5.31	9.04	13.9	22.0	34.0	94.8	171	212	218	274	353	402	417	406	374	327	265
-40	3.94	4.20	6.66	11.2	19.1	34.7	167	366	476	547	628	711	769	791	805	805	797	783	757
-30	3.94	4.38	7.66	13.4	25.9	132	445	654	748	815	883	928	954	958	947	937	931	923	916
-20	3.94	4.53	8.28	15.1	33.8	298	715	858	912	952	967	969	967	954	940	923	912	905	901
-10	3.94	4.66	8.58	16.3	51.9	466	891	997	1002	998	981	968	949	926	908	891	875	865	861
0	3.94	4.74	8.57	16.3	61.3	568	1015	1095	1070	1023	985	970	935	911	890	868	847	830	820
10	3.94	4.75	8.64	16.5	52.1	466	886	968	938	909	880	867	853	837	824	806	782	767	749
20	3.94	4.70	8.40	15.6	34.2	299	711	820	809	790	763	753	752	746	741	734	719	697	669
30	3.94	4.60	7.82	14.1	26.4	133	446	633	663	634	618	601	596	604	623	628	620	603	577
40	3.94	4.46	6.94	11.9	20.2	35.7	169	366	450	450	423	394	407	444	467	477	478	468	449
50	3.94	4.28	5.96	9.42	15.4	23.5	35.3	96.7	175	206	179	182	225	255	277	291	297	295	286
60	3.94	4.13	5.01	7.09	10.4	15.8	21.7	28.9	36.1	47.3	47.9	59.2	71.3	83.2	94.8	102	106	105	102
70	3.94	4.03	4.38	5.25	6.70	8.70	11.6	15.8	20.5	24.6	29.0	32.8	36.0	38.6	40.6	42.5	44.1	45.4	46.4
80	3.94	3.96	4.01	4.14	4.45	4.99	5.68	6.48	7.33	8.21	11.0	14.1	17.4	20.5	23.4	26.1	28.7	31.1	33.4
90	3.94	3.91	3.88	3.86	3.83	3.80	3.78	3.75	3.73	3.70	3.68	3.65	3.63	3.61	3.58	3.56	3.54	3.52	3.49
100	3.94	3.90	3.86	3.81	3.76	3.70	3.63	3.55	3.48	3.40	3.36	3.31	3.27	3.22	3.19	3.15	3.11	3.08	3.05
110	3.94	3.90	3.85	3.80	3.73	3.66	3.58	3.48	3.38	3.25	3.17	3.11	3.05	2.99	2.93	2.88	2.84	2.80	2.76
120	3.94	3.90	3.86	3.81	3.75	3.67	3.55	3.42	3.27	3.13	3.00	2.92	2.85	2.77	2.71	2.64	2.59	2.55	2.51
130	3.94	3.90	3.87	3.84	3.77	3.66	3.51	3.35	3.18	3.02	2.86	2.73	2.64	2.56	2.49	2.43	2.37	2.33	2.30
140	3.94	3.91	3.90	3.87	3.79	3.64	3.48	3.29	3.09	2.90	2.73	2.58	2.47	2.40	2.34	2.28	2.23	2.18	2.14
150	3.94	3.92	3.92	3.91	3.82	3.65	3.45	3.23	3.01	2.81	2.64	2.51	2.41	2.32	2.26	2.21	2.18	2.16	2.14
160	3.94	3.93	3.96	3.94	3.84	3.66	3.44	3.20	2.96	2.76	2.62	2.49	2.37	2.27	2.23	2.23	2.25	2.30	2.34
170	3.94	3.94	3.99	3.99	3.89	3.69	3.46	3.20	2.96	2.78	2.63	2.48	2.33	2.22	2.17	2.18	2.26	2.37	2.50
180	3.94	3.95	4.02	4.04	3.95	3.77	3.53	3.28	3.03	2.85	2.69	2.51	2.32	2.16	2.03	1.96	1.96	1.99	2.45

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LEO
Test Date:01 September 2025

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:6.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:0.6805A P:148.6W PF:0.9882 Freq:49.99Hz Lamp Flux:25140.4x1 lm																		
NAME: ST-S008									TYPE: LED					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:1				
MFR.: GUOZHAN									SUR.:					Shielding Angle:				

Table--2
UNIT: ×10cd

H(°) V(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	2.01	2.00	1.99	1.97	1.94	1.89	1.82	1.71	1.62	1.56	1.53	1.48	1.43	1.34	1.24	1.13	1.05	1.47	
-170	2.36	2.29	2.17	2.08	2.01	1.93	1.84	1.74	1.64	1.58	1.53	1.48	1.43	1.34	1.24	1.13	1.05	1.47	
-160	2.22	2.18	2.13	2.09	2.01	1.92	1.82	1.71	1.63	1.58	1.53	1.47	1.41	1.32	1.23	1.13	1.05	1.47	
-150	1.99	1.99	1.98	1.95	1.91	1.84	1.75	1.66	1.60	1.56	1.50	1.45	1.38	1.29	1.21	1.12	1.05	1.47	
-140	1.79	1.79	1.79	1.77	1.74	1.70	1.66	1.61	1.56	1.51	1.46	1.40	1.33	1.26	1.18	1.11	1.05	1.47	
-130	1.63	1.63	1.62	1.62	1.60	1.58	1.56	1.52	1.48	1.43	1.39	1.33	1.28	1.21	1.15	1.09	1.04	1.47	
-120	1.47	1.47	1.47	1.46	1.46	1.44	1.43	1.40	1.37	1.34	1.30	1.26	1.21	1.16	1.12	1.08	1.06	1.47	
-110	1.34	1.34	1.34	1.34	1.33	1.32	1.31	1.29	1.27	1.25	1.22	1.19	1.16	1.12	1.10	1.07	1.14	1.47	
-100	1.28	1.28	1.27	1.26	1.25	1.23	1.22	1.21	1.19	1.18	1.17	1.15	1.14	1.12	1.11	1.15	1.29	1.47	
-90	1.32	1.33	1.33	1.34	1.35	1.35	1.36	1.36	1.37	1.38	1.39	1.40	1.42	1.43	1.44	1.45	1.46	1.47	
-80	8.83	9.89	10.8	11.6	12.2	12.6	12.9	12.9	12.5	10.8	9.23	7.78	6.14	4.63	3.39	2.51	1.90	1.47	
-70	29.7	32.2	33.2	33.0	32.2	31.2	30.1	29.4	27.7	24.8	20.9	16.6	12.8	9.46	6.76	4.31	2.54	1.47	
-60	124	171	205	223	221	201	161	115	124	113	71.9	33.5	22.5	15.4	10.1	6.23	3.24	1.47	
-50	350	422	488	540	572	587	565	498	432	389	339	206	64.1	23.7	14.2	7.95	3.93	1.47	
-40	781	796	809	822	845	875	873	805	736	661	594	506	273	51.5	19.2	9.72	4.57	1.47	
-30	916	917	916	922	936	946	941	919	891	826	777	708	547	170	24.2	11.5	5.07	1.47	
-20	899	899	903	911	914	921	932	936	923	915	877	831	729	334	31.8	12.9	5.42	1.47	
-10	861	865	866	871	880	890	908	922	924	934	924	923	854	483	45.1	13.7	5.60	1.47	
0	816	817	824	835	849	863	885	913	929	943	961	999	948	566	50.7	13.9	5.61	1.47	
10	746	738	754	764	776	787	802	814	819	841	857	884	842	483	45.7	14.1	5.72	1.47	
20	679	683	682	681	688	696	705	711	713	741	757	770	714	335	33.1	13.6	5.65	1.47	
30	590	597	597	587	569	565	570	577	597	612	641	652	539	173	25.9	12.5	5.40	1.47	
40	463	468	465	456	437	408	398	419	442	470	502	483	275	54.8	21.3	11.0	4.97	1.47	
50	296	300	297	286	270	247	210	212	259	309	320	209	69.3	27.2	16.7	9.35	4.43	1.47	
60	110	115	116	111	102	91.0	77.0	65.5	111	118	80.0	39.9	27.3	19.2	12.7	7.46	3.81	1.47	
70	47.2	47.7	47.6	47.2	46.6	45.6	44.0	41.4	38.2	33.3	28.0	22.7	17.8	13.0	8.80	5.52	3.14	1.47	
80	32.7	32.0	31.0	29.9	28.6	27.2	25.6	23.6	21.3	18.1	14.9	12.0	9.30	7.16	5.32	3.76	2.47	1.47	
90	3.73	3.97	4.20	4.44	4.68	4.92	5.15	5.39	5.63	5.17	4.71	4.24	3.78	3.32	2.86	2.40	1.93	1.47	
100	3.08	3.11	3.14	3.18	3.22	3.26	3.30	3.35	3.37	3.13	2.89	2.66	2.40	2.15	1.92	1.75	1.65	1.47	
110	2.80	2.84	2.88	2.93	2.99	3.04	3.09	3.15	3.11	2.93	2.72	2.51	2.28	2.05	1.81	1.56	1.42	1.47	
120	2.55	2.60	2.66	2.73	2.79	2.87	2.93	3.01	2.90	2.74	2.57	2.39	2.19	1.98	1.75	1.52	1.30	1.47	
130	2.35	2.41	2.47	2.54	2.63	2.71	2.79	2.78	2.67	2.55	2.42	2.26	2.09	1.90	1.69	1.47	1.24	1.47	
140	2.20	2.26	2.33	2.41	2.49	2.58	2.60	2.53	2.44	2.35	2.25	2.13	1.98	1.81	1.62	1.42	1.21	1.47	
150	2.17	2.20	2.24	2.30	2.39	2.39	2.34	2.28	2.22	2.15	2.07	1.98	1.86	1.71	1.54	1.36	1.18	1.47	
160	2.29	2.24	2.22	2.24	2.20	2.18	2.13	2.07	2.01	1.95	1.89	1.82	1.73	1.60	1.45	1.29	1.14	1.47	
170	2.32	2.19	2.13	2.09	2.07	2.02	1.97	1.89	1.81	1.76	1.71	1.66	1.59	1.48	1.35	1.21	1.09	1.47	
180	2.01	2.00	1.99	1.97	1.94	1.89	1.82	1.71	1.62	1.56	1.53	1.48	1.43	1.34	1.24	1.13	1.05	1.47	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LEO
Test Date:01 September 2025
V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:6.900m [K=1.0000]
Remarks: