

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	810.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	106.1V x 151.1H
	At 50% of Imax	41.2V x 133.3H
	At 90% of Imax	13.2V x 128.8H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	933.2 lumens per klm.
	To 50% of Imax	514.7 lumens per klm.
	To 90% of Imax	35.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

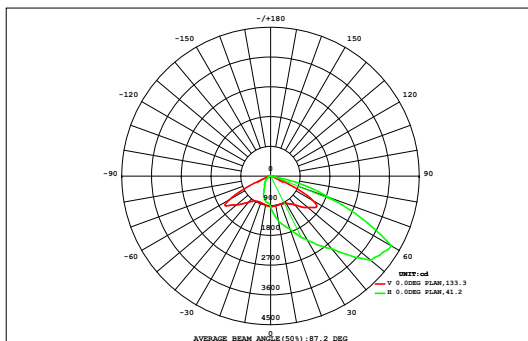
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(B) Range:-90 - 90DEG  
H(B) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.3263A P:71.06W PF:0.9859 Freq:49.99Hz Lamp Flux:7511.07x1 lm		
NAME: LUX-AL-70-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4-B



DATA OF LAMP		Eff:105.70lm/W	
MODEL	LED	Imax (cd)	6088
NOMINAL POWER (W)	70	AVAILABILITY (%)	93.5
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	7026
NOMINAL FLUX (lm)	7511.07	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	7511
TEST VOLTAGE (V)	230	θ @50% (H,V)	133,41DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.03	0.08	0.16	0.33	0.82	2.08	2.35	2.14	1.89	1.90	2.13	2.30	1.62	0.72	0.39	0.22	0.12	0.05	19.3	0.00
90	0.03	0.16	0.62	2.24	15.3	36.9	35.6	30.9	29.7	29.6	30.0	36.0	32.3	10.2	1.88	0.71	0.22	0.06	292	267
80	0.04	0.35	1.82	15.2	70.6	104	95.5	93.0	92.6	94.5	96.2	106	104	53.2	7.48	1.72	0.39	0.07	937	925
70	0.05	0.54	3.36	36.3	109	125	119	123	125	129	132	136	144	109	27.5	3.24	0.65	0.08	1322	1312
60	0.06	0.85	8.72	60.3	98.7	98.6	96.4	99.6	103	107	110	118	126	111	45.7	5.08	0.78	0.09	1190	1182
50	0.06	0.89	13.6	61.4	81.1	80.0	74.2	74.3	76.5	79.1	82.7	89.9	101	97.7	62.1	10.5	0.98	0.10	986	980
40	0.08	1.04	20.1	57.4	64.8	59.1	55.4	57.7	59.7	61.5	63.3	66.2	77.3	79.6	58.4	12.0	0.87	0.09	795	790
30	0.09	0.86	16.6	45.7	47.8	42.4	41.6	43.9	46.4	47.1	46.8	46.4	50.4	57.7	49.5	14.5	0.90	0.11	599	595
20	0.12	0.90	15.0	32.7	31.8	28.9	29.4	31.7	34.5	34.8	33.1	32.3	33.9	38.8	34.4	9.99	0.77	0.12	423	419
10	0.13	0.82	9.22	22.9	21.1	20.1	21.5	23.3	25.0	25.1	24.1	22.9	22.4	24.3	24.3	8.30	0.87	0.14	296	291
0	0.15	0.86	6.63	16.3	16.1	16.6	18.3	20.1	21.5	21.6	20.9	19.8	19.0	19.4	16.7	4.48	0.82	0.14	239	229
-10	0.14	0.73	2.96	10.0	11.5	11.5	12.7	14.0	15.0	15.1	14.6	13.7	12.7	13.1	10.0	2.96	0.80	0.15	162	36.2
-20	0.13	0.64	1.84	5.30	5.92	6.39	7.87	9.01	9.67	9.71	9.08	7.85	6.32	6.63	4.64	1.68	0.65	0.13	93.5	0.00
-30	0.11	0.49	1.19	2.24	3.23	4.60	5.89	6.64	7.10	7.18	6.80	6.00	4.69	3.34	2.31	1.32	0.55	0.13	63.8	0.00
-40	0.11	0.39	0.84	1.44	2.16	3.11	3.87	4.19	4.43	4.47	4.29	3.93	3.12	2.25	1.50	0.89	0.43	0.12	41.6	0.00
-50	0.10	0.32	0.56	0.88	1.28	1.70	2.14	2.39	2.54	2.59	2.51	2.31	1.87	1.41	0.97	0.63	0.36	0.12	24.7	0.00
-60	0.10	0.27	0.43	0.60	0.81	1.03	1.25	1.42	1.55	1.60	1.55	1.39	1.15	0.90	0.66	0.48	0.31	0.11	15.6	0.00
-70	0.09	0.25	0.38	0.48	0.60	0.72	0.82	0.91	0.99	1.03	1.00	0.92	0.81	0.67	0.52	0.40	0.26	0.10	10.9	0.00
-80	0.09	0.25	0.38	0.48	0.60	0.72	0.82	0.91	0.99	1.03	1.00	0.92	0.81	0.67	0.52	0.40	0.26	0.10	10.9	0.00
-90	0.09	0.25	0.38	0.48	0.60	0.72	0.82	0.91	0.99	1.03	1.00	0.92	0.81	0.67	0.52	0.40	0.26	0.10	10.9	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	1.60	10.4	104	372	583	643	624	638	657	672	681	712	742	630	349	79.1	10.7	1.91	7511	---
Φ a	0.00	0.00	79.7	349	557	611	584	595	612	628	640	676	713	605	325	50.5	0.00	0.00	---	7026

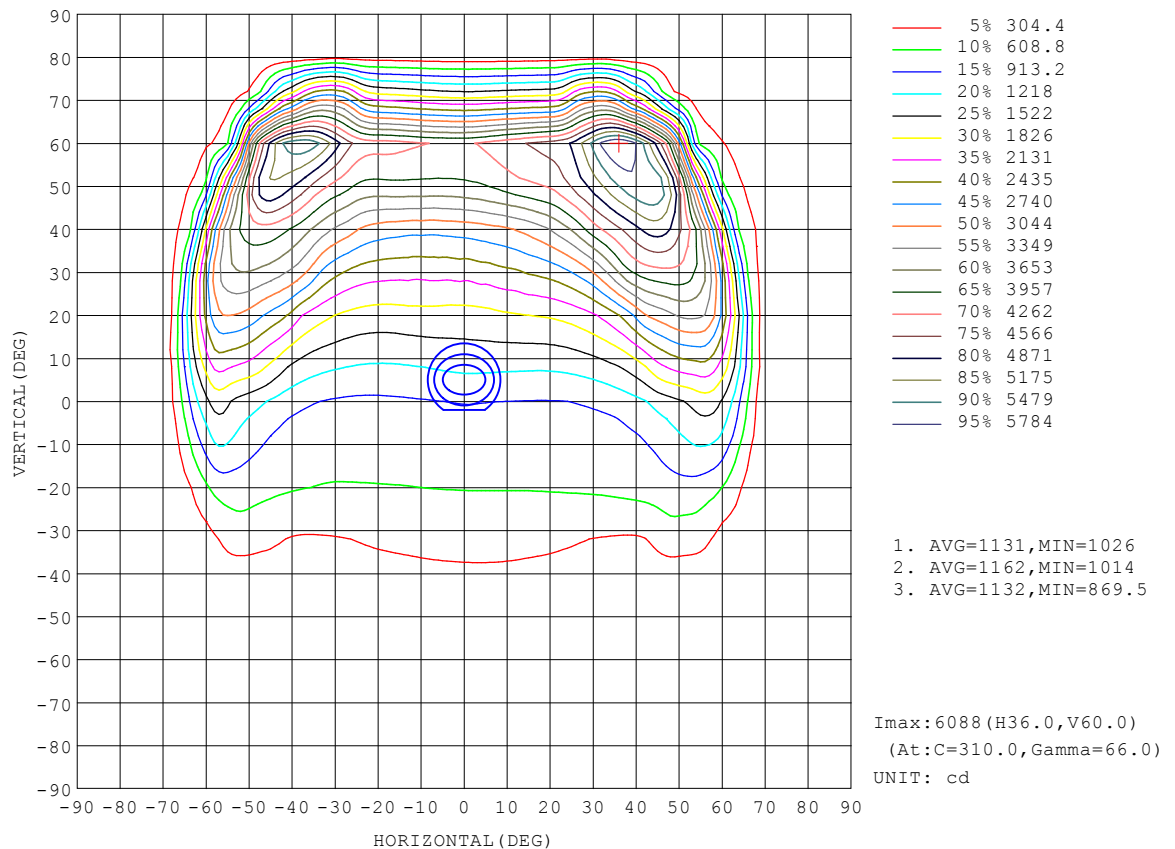
one-half-peak spread: U:32.7,D:9.0 , L:9.5,R:10.9NEMA Beam Type: Type 7 x 6 (H x V)

H(β) Range:-90 - 90DEG  
H(β) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:220.9V I:0.3263A P:71.06W PF:0.9859 Freq:49.99Hz Lamp Flux:7511.07x1 lm		
NAME: LUX-AL-70-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4-B

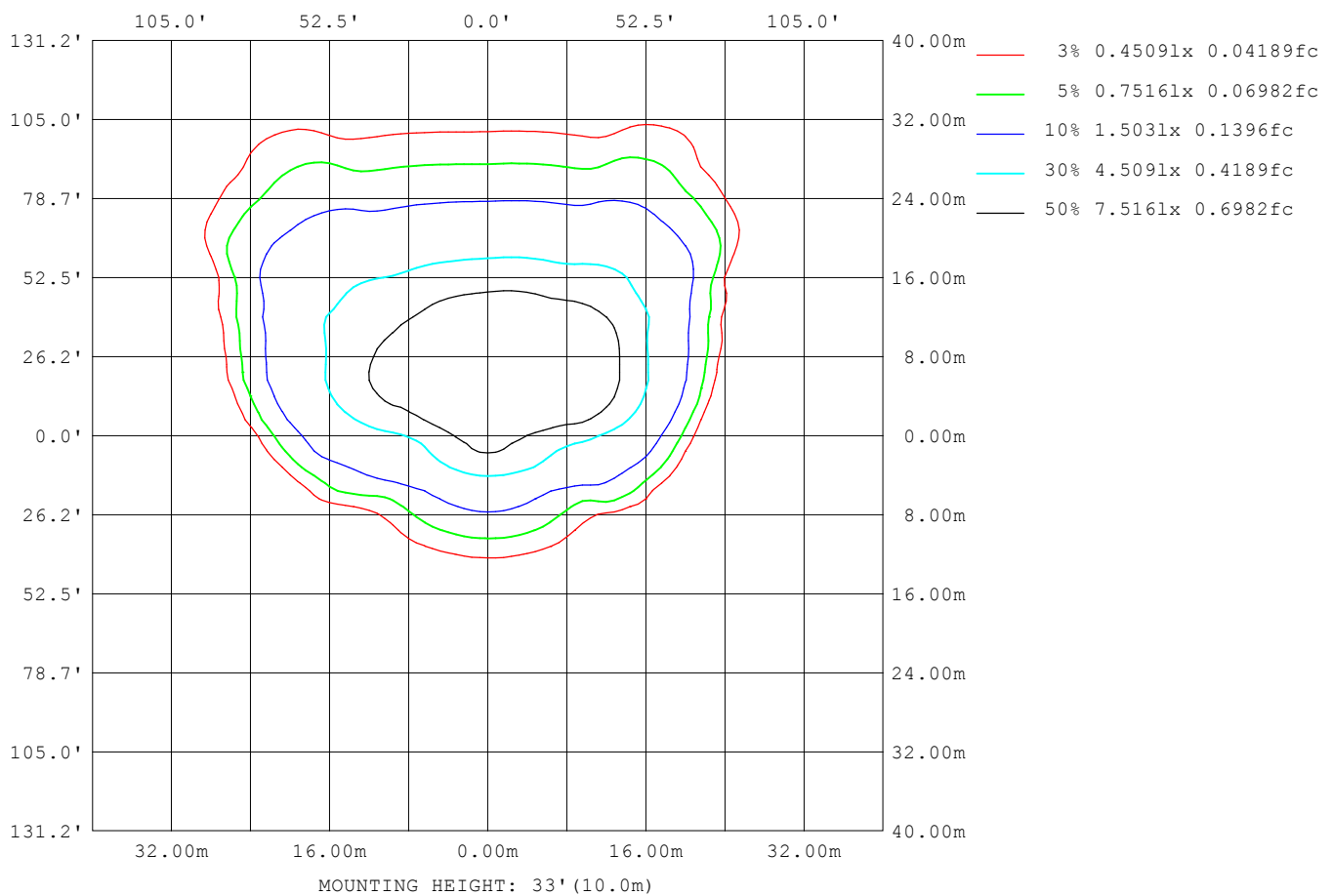


H(B) Range:-90 - 90DEG  
H(B) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

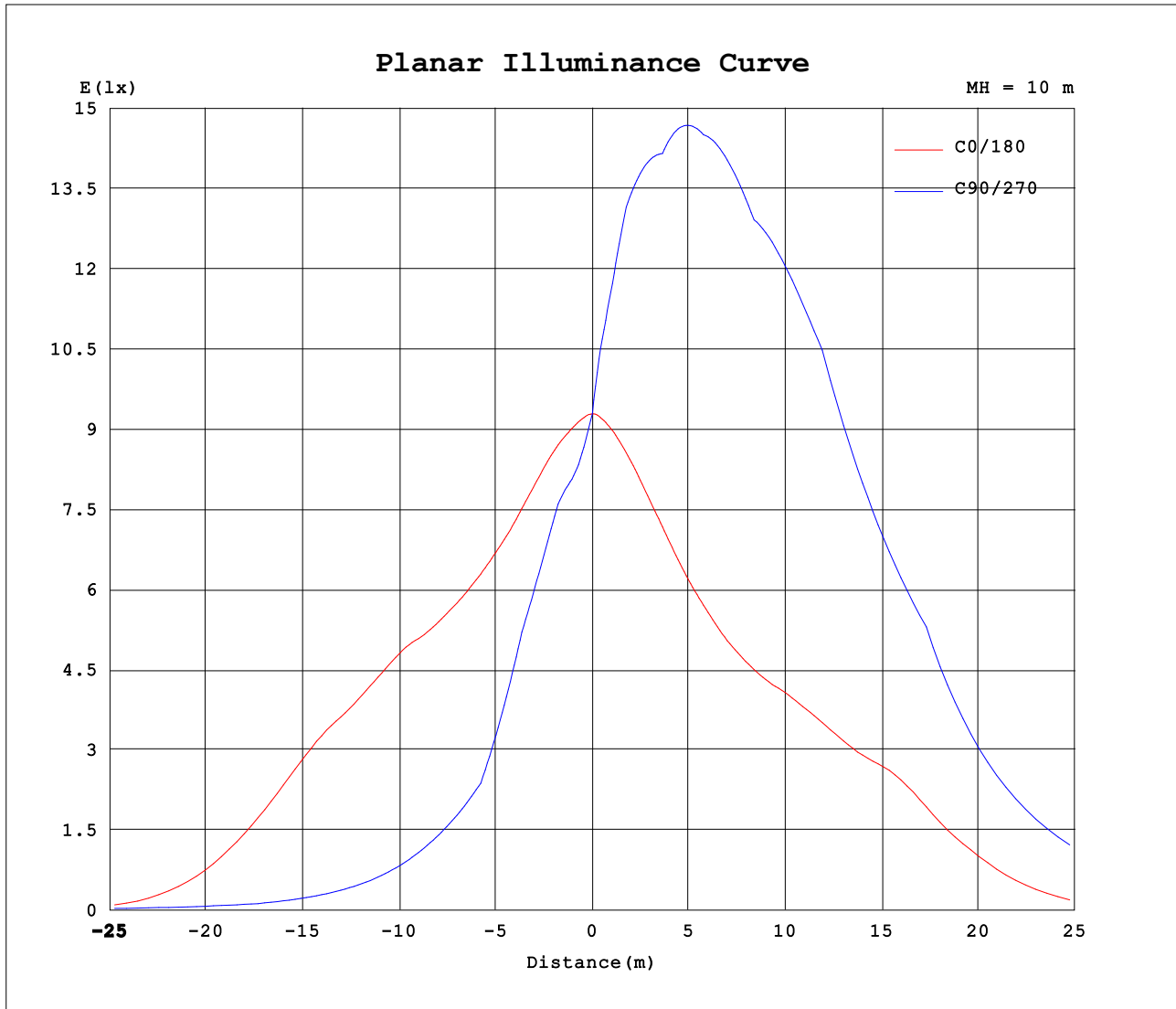
Test:U:220.9V I:0.3263A P:71.06W PF:0.9859 Freq:49.99Hz Lamp Flux:7511.07x1 lm		
NAME: LUX-AL-70-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4-B



H(B) Range:-90 - 90DEG  
H(B) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve

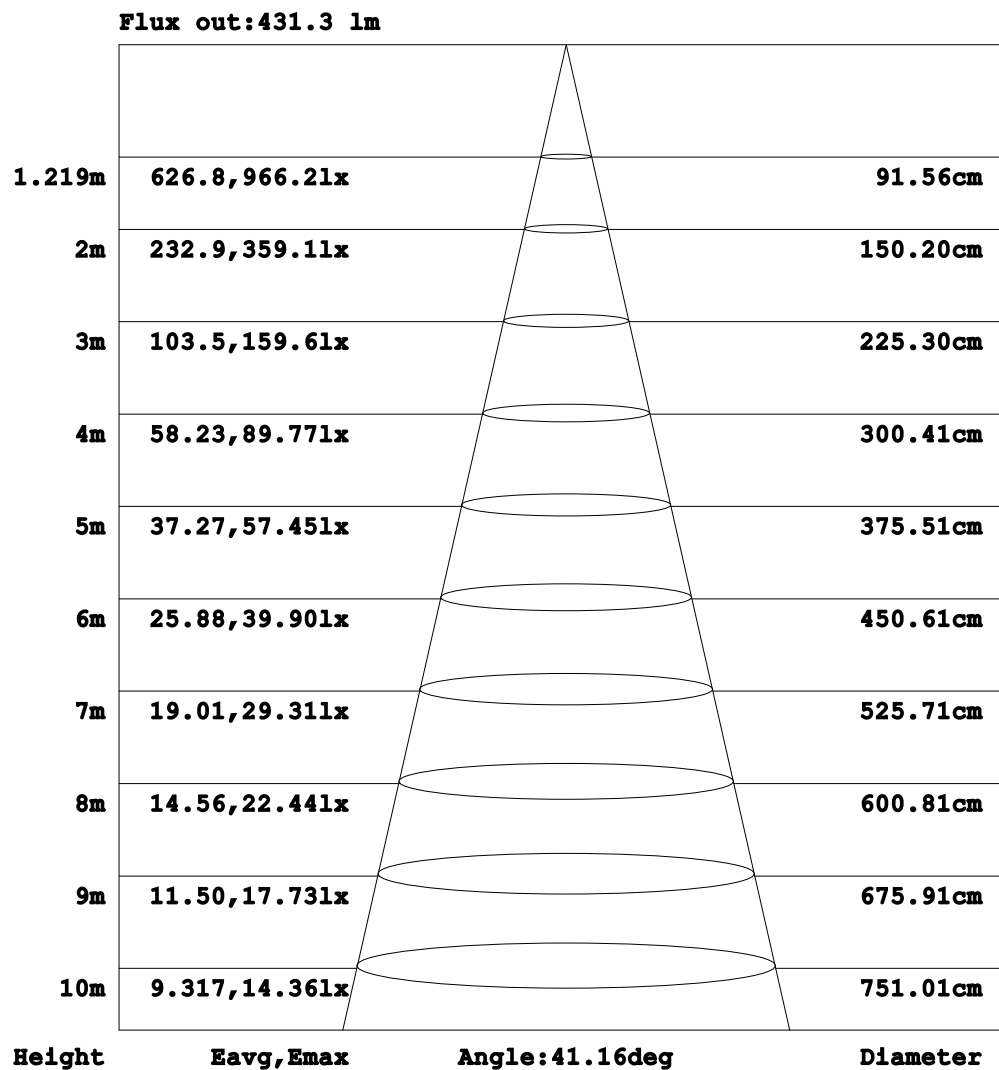


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

AAI Figure

Test:U:220.9V I:0.3263A P:71.06W PF:0.9859 Freq:49.99Hz Lamp Flux:7511.07x1 lm		
NAME: LUX-AL-70-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4-B



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:25.3DEG  
Operators:  
Test Date:2023-10-26

V(B) Range:-90 - 90DEG  
V(B) Interval: 2.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.353  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.3263A P:71.06W PF:0.9859 Freq:49.99Hz Lamp Flux:7511.07x1 lm		
NAME: LUX-AL-70-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4-B

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	33.7	33.1	32.1	30.7	29.4	28.1	27.1	26.7	26.9	27.3	27.5	27.7	28.0	28.3	28.5	29.0	29.5	30.1	30.6
-85	34.6	34.1	33.0	31.5	30.2	28.7	27.7	27.4	27.7	28.2	28.5	29.0	29.5	30.0	30.6	31.2	32.0	32.7	33.4
-80	36.7	35.8	34.9	33.4	31.7	30.4	29.0	28.4	28.7	29.3	29.9	30.6	31.4	32.3	33.2	34.1	35.3	36.3	37.3
-75	37.9	37.0	36.2	34.9	33.8	33.0	32.5	33.0	34.3	35.8	37.3	38.9	40.7	42.6	44.2	45.4	46.6	48.0	49.4
-70	39.0	38.8	37.7	36.9	36.9	37.1	38.5	41.0	43.8	46.7	49.7	52.6	56.0	59.4	61.6	62.8	64.3	66.6	67.9
-65	39.0	39.4	39.3	39.6	40.8	42.6	45.5	49.7	54.0	58.5	62.3	66.9	71.3	75.8	77.7	78.3	79.5	81.6	82.7
-60	39.2	39.8	40.9	42.6	45.5	49.0	53.7	60.0	66.8	73.4	78.3	85.5	91.9	98.3	102	102	102	103	105
-55	37.6	39.4	42.5	46.6	52.1	59.4	67.8	76.4	84.1	92.5	101	114	125	132	133	134	135	138	139
-50	36.2	41.0	47.5	55.9	66.5	81.0	94.0	105	114	127	141	166	179	181	181	183	187	189	190
-45	35.4	41.7	50.8	62.4	75.9	94.0	116	132	136	150	165	186	202	210	214	218	223	226	227
-40	32.3	38.7	50.1	65.4	81.9	102	135	172	166	180	194	210	227	246	260	268	274	279	282
-35	32.9	39.9	53.1	71.1	91.0	116	176	277	294	267	243	247	260	277	292	300	307	313	316
-30	36.2	47.2	65.9	89.1	116	161	306	492	449	358	305	305	315	331	342	351	360	366	367
-25	37.5	48.6	69.1	94.9	129	230	456	595	553	481	433	422	426	436	445	452	462	469	472
-20	37.4	44.7	63.1	90.7	126	217	559	752	728	683	639	607	592	592	596	601	610	620	627
-15	37.0	44.0	63.1	92.3	133	313	749	936	844	753	691	657	645	648	654	662	674	687	695
-10	37.9	49.2	75.0	111	187	701	1213	1130	951	815	750	725	726	736	746	759	779	792	796
-5	36.1	46.6	72.6	110	222	847	1373	1254	1070	913	819	773	764	769	775	785	802	815	819
0	32.2	36.5	56.2	89.4	143	708	1449	1569	1357	1186	1026	932	885	863	863	874	893	913	929
5	29.7	33.1	52.3	86.0	148	810	1678	1856	1696	1495	1255	1126	1056	1018	1008	1022	1052	1083	1111
10	25.4	33.7	59.2	110	340	1471	2312	2256	2063	1771	1510	1386	1319	1278	1275	1295	1333	1366	1381
15	22.9	30.4	56.0	114	326	1546	2542	2566	2368	2081	1770	1598	1502	1448	1440	1462	1488	1501	1512
20	19.7	20.9	37.9	84.6	195	1059	2510	3049	2936	2652	2344	1995	1825	1727	1687	1700	1722	1710	1703
25	18.4	19.3	36.0	86.1	202	967	2568	3261	3229	3001	2731	2359	2098	1966	1913	1911	1918	1916	1916
30	15.6	21.2	48.4	127	285	1552	3189	3667	3620	3456	3183	2697	2418	2284	2239	2230	2228	2228	2252
35	15.2	20.1	46.0	122	270	1247	2981	3752	3835	3698	3434	3014	2742	2563	2493	2469	2464	2474	2504
40	15.4	15.3	28.9	77.2	183	371	1883	3545	4102	4130	3923	3616	3315	3068	2911	2851	2828	2831	2865
45	15.3	14.9	27.3	70.8	167	329	1388	3180	4257	4579	4321	3959	3656	3421	3300	3276	3260	3260	3293
50	14.3	16.7	35.7	88.8	189	327	1368	3416	4979	5147	4753	4323	4089	3896	3899	3911	3904	3910	3963
55	14.1	15.8	31.5	75.6	159	275	951	2575	4628	5223	5141	4757	4360	4106	4096	4076	4046	4038	4079
60	14.9	13.5	19.0	40.6	84.6	161	268	598	3095	4939	5661	5606	5021	4504	4390	4356	4282	4239	4232
65	14.8	13.3	17.1	33.7	68.2	125	208	431	2016	3466	4261	4548	4255	3717	3474	3428	3355	3304	3286
70	13.8	12.7	16.7	30.1	54.2	85.0	137	240	618	1711	2507	3102	2992	2244	2069	2009	1937	1885	1868
75	13.7	12.4	14.4	22.7	38.2	58.1	93.2	157	388	1057	1551	1932	1877	1412	1304	1263	1214	1180	1169
80	14.6	12.5	11.2	11.2	12.8	15.9	22.3	31.7	37.2	63.3	99.0	141	219	172	160	150	136	124	120
85	14.6	12.6	11.1	10.4	10.8	12.3	15.9	21.3	24.5	40.1	61.5	86.9	133	105	98.2	92.0	83.6	76.7	74.5
90	13.9	12.0	10.2	8.72	7.59	6.70	6.03	5.58	5.40	5.27	5.33	5.32	5.23	5.27	5.32	5.44	5.71	6.03	6.61

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2023-10-26

V(B) Range:-90 - 90DEG

V(B) Interval: 2.0DEG

Test System:EVERFINE GO-2000 SYSTEM V2.0.353

Humidity:65.0%

Test Distance:7.370m [K=1.0000]

Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:220.9V I:0.3263A P:71.06W PF:0.9859 Freq:49.99Hz Lamp Flux:7511.07x1 lm																		
NAME: LUX-AL-70-TypeII/III-T4-B-C15014										TYPE:LED					WEIGHT:			
SPEC.:										DIM.: 0.3*0.25*0.1					SERIAL No.:			
MFR.:										SUR.:0.1*0.2					Shielding Angle:T4-B			

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	30.9	31.0	31.1	31.0	30.7	30.5	30.3	29.9	29.2	28.4	28.1	28.4	29.2	29.9	31.3	33.5	34.8	35.6	
-85	33.8	33.9	33.9	33.6	33.1	32.6	32.1	31.5	30.7	29.7	29.4	29.8	30.8	31.8	33.2	35.4	37.0	37.7	
-80	38.0	38.2	38.2	37.9	37.1	36.1	35.2	34.3	33.4	32.2	31.3	31.6	32.6	34.0	35.3	37.3	39.9	40.4	
-75	50.1	50.0	50.0	49.7	48.4	46.5	44.5	42.7	40.8	38.7	36.8	36.1	36.2	37.0	37.9	39.3	41.4	41.7	
-70	67.9	67.6	67.7	66.7	64.3	60.7	57.2	54.0	50.6	47.0	44.1	42.3	41.5	41.5	41.8	42.7	43.8	43.7	
-65	82.8	82.3	82.6	82.4	80.0	75.3	71.0	66.3	61.7	56.8	52.3	48.9	46.8	45.5	44.5	44.1	44.0	43.0	
-60	105	104	105	106	105	99.6	94.1	87.3	81.5	74.0	67.2	60.7	56.3	52.6	49.6	47.1	45.1	42.9	
-55	140	139	138	137	136	131	122	110	102	92.7	84.2	76.2	68.7	60.7	54.4	49.3	45.1	41.5	
-50	191	189	187	184	182	173	155	140	128	116	106	95.0	81.2	68.2	57.7	49.3	42.7	37.8	
-45	228	225	221	216	209	195	178	163	150	137	128	111	92.8	76.6	63.0	51.4	42.4	36.2	
-40	284	281	276	269	256	236	218	203	188	174	165	145	120	97.3	78.3	60.6	46.4	36.7	
-35	317	314	307	300	287	269	252	243	277	306	276	182	134	107	84.5	64.0	47.8	37.5	
-30	366	360	352	342	327	311	300	324	484	490	361	197	137	110	83.4	60.5	44.5	36.1	
-25	471	468	464	463	459	457	465	498	611	621	507	308	155	117	87.9	62.8	45.6	37.5	
-20	629	630	631	640	651	666	696	739	785	820	782	605	271	142	107	77.1	53.3	41.7	
-15	695	694	692	696	703	714	740	786	856	943	965	798	361	147	109	76.7	52.4	41.2	
-10	793	787	782	781	783	791	823	889	1024	1189	1225	880	281	136	95.6	64.6	44.9	39.4	
-5	814	810	807	812	820	840	892	993	1152	1324	1404	1043	354	137	94.0	62.5	43.2	38.6	
0	921	913	907	906	918	958	1028	1140	1324	1489	1663	1495	766	158	105	69.3	44.7	36.5	
5	1101	1090	1079	1075	1101	1159	1258	1418	1698	1857	1981	1739	896	163	103	66.1	41.6	34.0	
10	1378	1364	1357	1373	1432	1527	1677	1962	2299	2456	2445	1761	590	144	83.5	49.5	32.0	31.4	
15	1528	1540	1550	1578	1656	1789	2009	2384	2677	2843	2764	1915	599	156	84.3	47.9	30.6	30.4	
20	1728	1788	1827	1860	1940	2093	2356	2813	3166	3381	3395	2688	1204	236	113	57.8	33.3	27.3	
25	1952	2019	2081	2135	2253	2471	2847	3307	3571	3707	3588	2677	1075	239	115	57.4	33.1	27.6	
30	2320	2382	2485	2603	2831	3234	3824	4118	4203	4123	3525	1942	404	182	88.5	43.7	28.8	29.5	
35	2574	2653	2780	2954	3239	3646	4131	4443	4500	4215	3327	1616	375	178	87.5	43.4	29.1	29.8	
40	2924	3006	3145	3359	3679	4129	4461	4798	5020	4627	3676	1888	441	231	115	55.3	32.9	29.1	
45	3363	3459	3587	3759	4068	4480	4851	5187	5329	4654	3185	1380	384	208	106	52.1	32.0	28.9	
50	4071	4182	4296	4432	4788	5167	5590	5845	5536	3819	1598	406	240	137	70.4	37.9	28.5	29.6	
55	4193	4313	4426	4553	4927	5433	5782	5670	5009	2994	1117	351	209	119	63.0	35.3	27.5	28.8	
60	4319	4457	4581	4681	4903	5566	6066	5775	4742	2888	532	315	199	118	65.3	37.6	27.0	26.6	
65	3348	3447	3536	3607	3939	4528	4746	4207	3229	1849	392	243	154	94.0	54.1	32.9	25.4	25.7	
70	1910	1949	1977	2060	2802	2992	2377	1564	585	222	165	117	73.6	49.4	31.6	23.9	23.2	25.2	
75	1195	1222	1244	1298	1746	1866	1471	970	373	149	114	81.2	53.0	37.4	26.2	21.7	21.9	24.1	
80	121	126	138	152	157	180	132	90.7	64.1	44.7	36.5	31.1	23.6	20.3	18.4	18.1	19.3	21.3	
85	75.6	78.8	86.0	94.7	97.8	111	82.5	58.0	42.0	30.5	25.7	22.7	18.4	16.8	16.2	16.7	18.1	20.2	
90	7.10	7.47	7.85	8.34	8.62	8.75	8.91	8.91	8.98	9.26	9.66	10.2	11.0	12.1	13.5	15.2	17.2	19.3	

**H(θ) Range:-90 - 90DEG**  
**H(θ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2023-10-26**

**V(B) Range:-90 - 90DEG**  
**V(B) Interval: 2.0DEG**  
**Test System:EVERFINE GO-2000 SYSTEM V2.0.353**  
**Humidity:65.0%**  
**Test Distance:7.370m [K=1.0000]**  
**Remarks:**