

**Floodlight Summary:**

Report based on lamp delivering 1000 lumens.

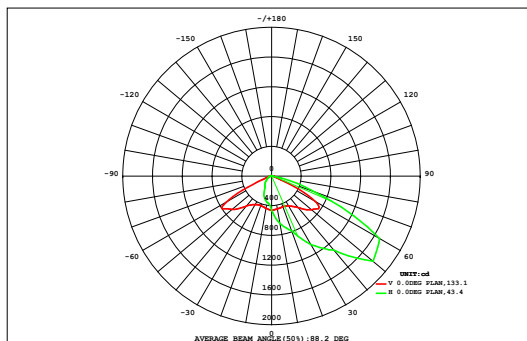
Maximum Intensity		781.1 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	109.4V x 150.6H
	At 50% of Imax	43.4V x 133.1H
	At 90% of Imax	14.5V x 128.3H
Beam Flux	Total	999.9 lumens per klm.
	To 10% of Imax	931.9 lumens per klm.
	To 50% of Imax	525.2 lumens per klm.
	To 90% of Imax	44.1 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

**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:221.0V I:0.1458A P:31.29W PF:0.9712 Freq:49.99Hz Lamp Flux:3312.41x1 lm		
NAME: LUX-AL-30-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:T4-B



DATA OF LAMP		Eff:105.85lm/W	
MODEL	LED	Imax(cd)	2587
NOMINAL POWER(W)	30	AVAILABILITY(%)	93.3
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	3091
NOMINAL FLUX(lm)	3312.41	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3312
TEST VOLTAGE(V)	230	θ @50% (H,V)	133,43DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.03	0.06	0.11	0.26	0.50	0.53	0.48	0.44	0.45	0.52	0.59	0.48	0.27	0.15	0.09	0.05	0.02	5.05	0.00
90	0.01	0.06	0.24	0.73	4.17	12.0	11.0	9.61	9.16	9.31	9.80	12.1	11.3	3.21	0.72	0.30	0.09	0.02	93.8	80.1
80	0.02	0.14	0.70	4.13	24.5	41.1	36.2	34.8	34.3	34.9	36.1	40.8	41.9	20.7	2.79	0.75	0.18	0.03	354	348
70	0.02	0.23	1.28	12.9	45.7	56.1	51.8	52.6	53.1	54.0	55.0	57.4	62.1	45.2	10.5	1.37	0.30	0.04	560	555
60	0.02	0.36	2.79	24.2	46.0	46.6	45.3	46.2	46.9	48.1	49.4	51.8	55.0	49.3	19.9	2.27	0.38	0.04	534	531
50	0.03	0.41	5.12	27.1	38.0	37.7	35.2	35.0	35.6	36.4	37.8	40.3	44.6	43.1	26.9	4.40	0.46	0.04	448	445
40	0.03	0.47	7.80	26.4	31.3	29.0	26.6	27.3	28.0	28.5	29.1	29.9	34.3	35.3	26.3	5.78	0.44	0.04	367	364
30	0.04	0.43	7.37	21.7	23.6	21.1	20.2	21.0	21.6	21.9	22.0	21.8	23.3	26.3	22.3	6.58	0.43	0.05	282	280
20	0.05	0.42	6.57	16.1	16.1	14.5	14.5	15.3	16.5	16.7	15.9	15.3	15.8	17.7	15.9	5.04	0.39	0.05	203	201
10	0.06	0.40	4.34	11.0	10.4	9.72	10.1	10.9	11.6	11.7	11.2	10.6	10.3	11.1	11.1	3.93	0.42	0.07	139	137
0	0.07	0.41	3.00	7.81	7.81	7.96	8.71	9.44	10.0	10.1	9.69	9.15	8.60	8.63	7.82	2.40	0.41	0.07	112	109
-10	0.06	0.37	1.52	5.03	5.96	5.98	6.48	6.97	7.35	7.40	7.16	6.77	6.27	6.29	4.94	1.51	0.40	0.07	80.5	40.7
-20	0.06	0.33	0.97	2.97	3.49	3.63	4.18	4.64	4.91	4.94	4.71	4.25	3.62	3.58	2.63	0.90	0.34	0.06	50.2	1.01
-30	0.05	0.26	0.65	1.34	1.71	2.39	3.04	3.44	3.64	3.66	3.49	3.09	2.43	1.74	1.26	0.70	0.29	0.06	33.2	0.00
-40	0.05	0.20	0.47	0.83	1.23	1.71	2.14	2.32	2.42	2.43	2.35	2.16	1.74	1.27	0.86	0.50	0.22	0.05	23.0	0.00
-50	0.05	0.16	0.31	0.52	0.77	1.02	1.26	1.39	1.45	1.46	1.43	1.33	1.10	0.84	0.57	0.35	0.18	0.05	14.2	0.00
-60	0.05	0.13	0.21	0.33	0.45	0.60	0.73	0.82	0.87	0.90	0.87	0.80	0.67	0.51	0.36	0.24	0.14	0.05	8.71	0.00
-70	0.04	0.12	0.17	0.22	0.28	0.35	0.42	0.47	0.50	0.52	0.51	0.47	0.40	0.32	0.24	0.18	0.12	0.04	5.38	0.00
-80	0.04	0.12	0.17	0.22	0.28	0.35	0.42	0.47	0.50	0.52	0.51	0.47	0.40	0.32	0.24	0.18	0.12	0.04	5.38	0.00
-90	0.04	0.12	0.17	0.22	0.28	0.35	0.42	0.47	0.50	0.52	0.51	0.47	0.40	0.32	0.24	0.18	0.12	0.04	5.38	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	0.72	4.91	43.6	163	262	292	278	283	288	293	297	309	324	275	155	37.3	5.23	0.86	3312	---
Φ a	0.00	0.00	31.7	154	250	278	261	263	268	273	278	292	310	264	145	24.0	0.00	0.00	---	3091

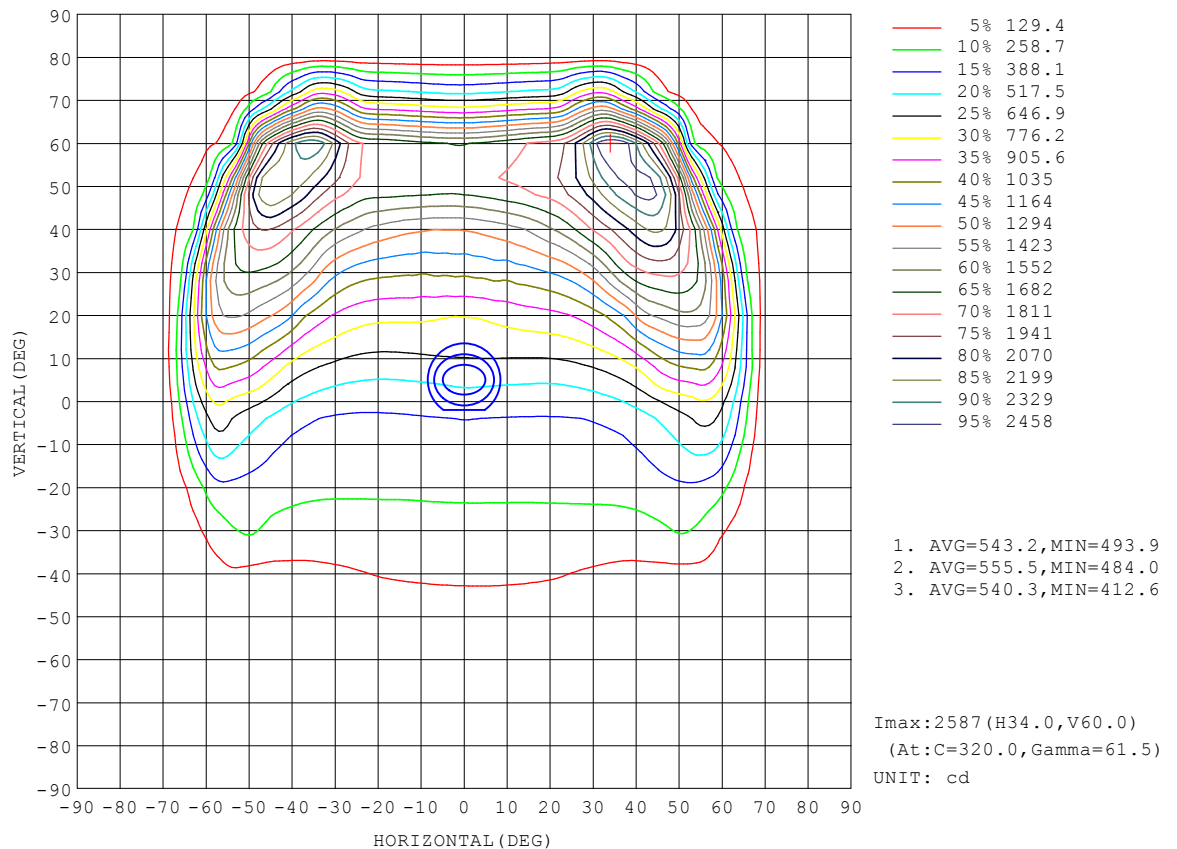
one-half-peak spread: U:26.5,D:17.3 , L:9.6,R:10 NEMA Beam Type: Type 7 x 6 (H x V)

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:221.0V I:0.1458A P:31.29W PF:0.9712 Freq:49.99Hz Lamp Flux:3312.41x1 lm		
NAME: LUX-AL-30-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:T4-B

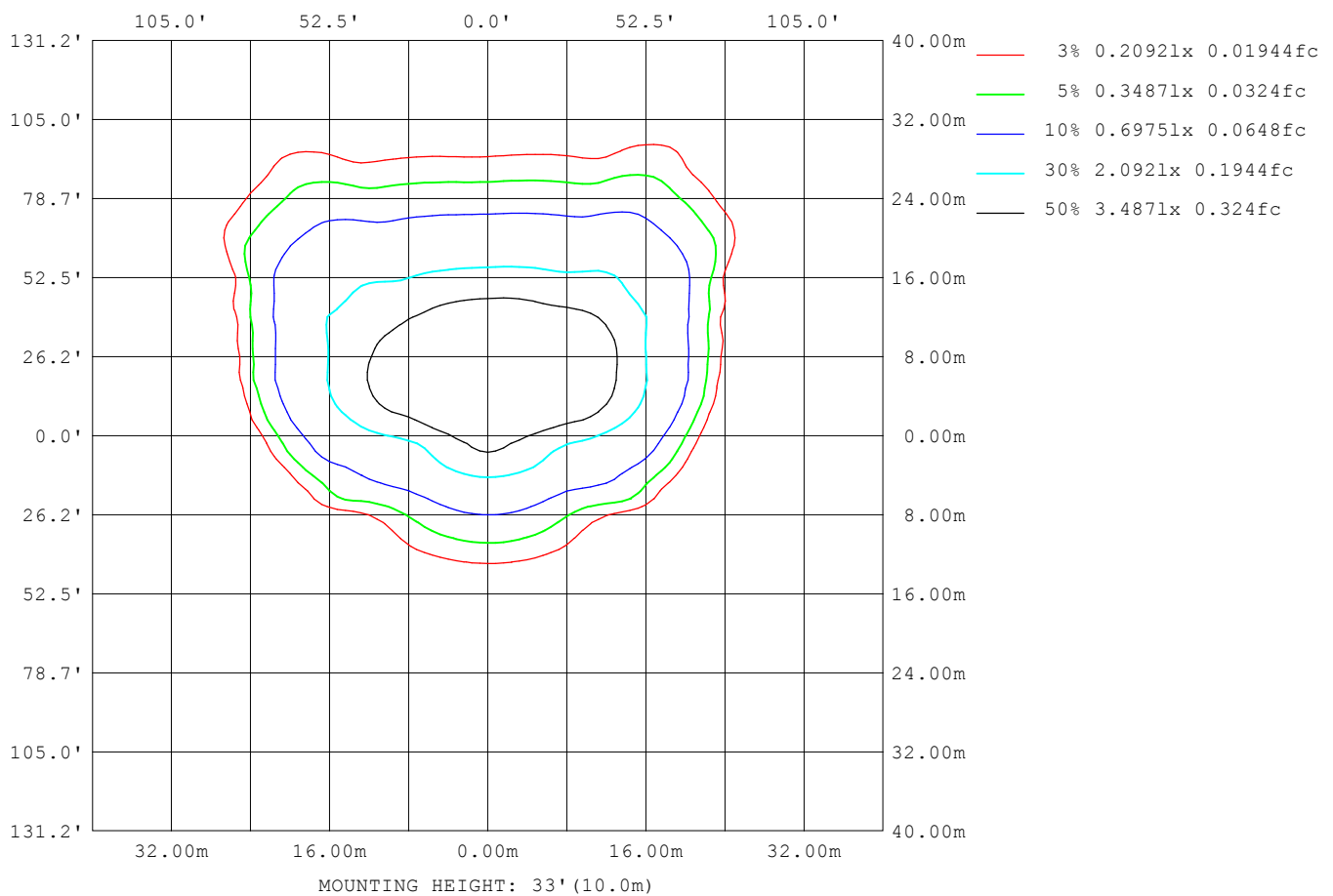


H(B) Range:-90 - 90DEG  
H(B) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-26

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

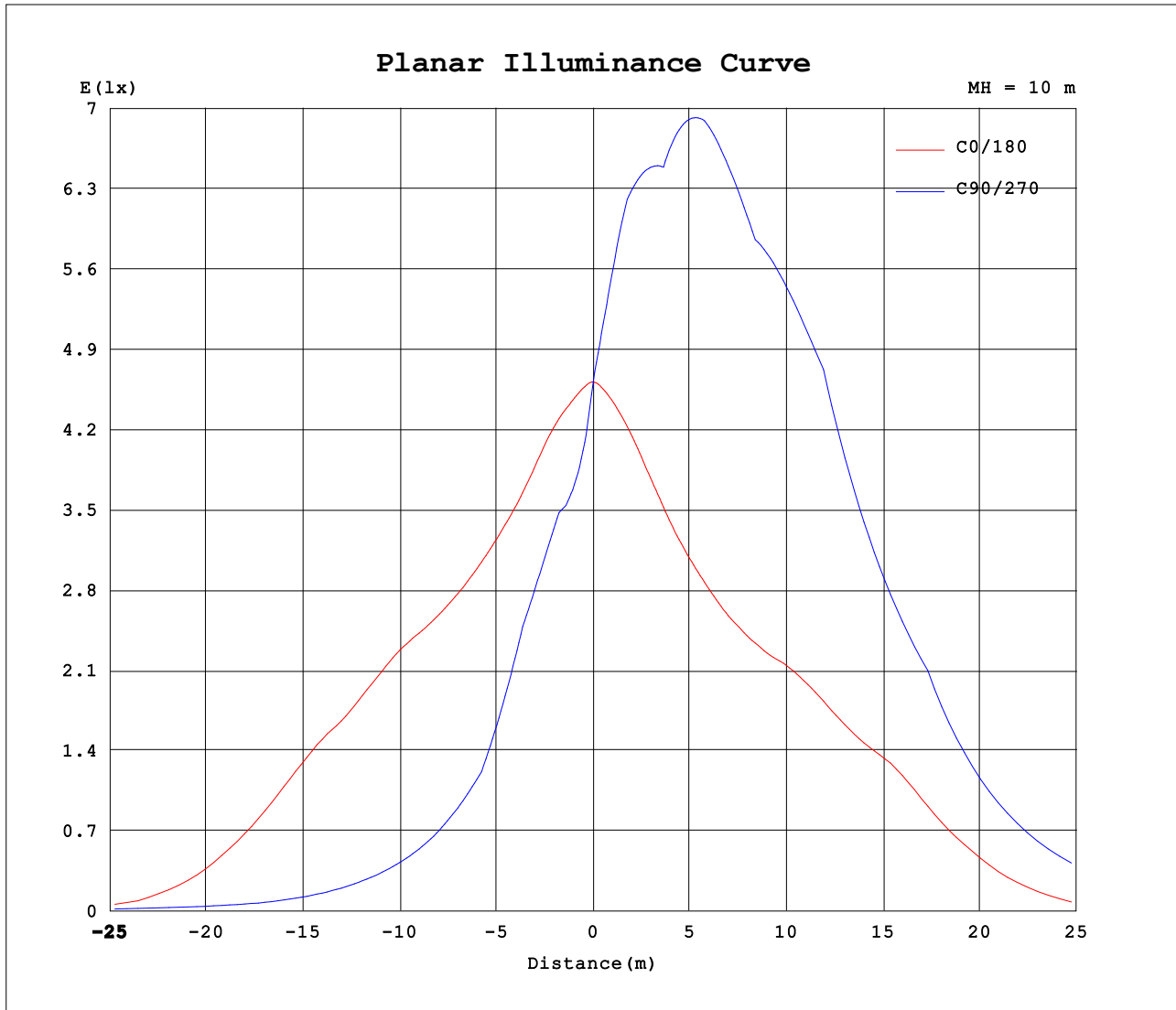
Test:U:221.0V I:0.1458A P:31.29W PF:0.9712 Freq:49.99Hz Lamp Flux:3312.41x1 lm		
NAME: LUX-AL-30-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:T4-B



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:

## Planar Illuminance Curve



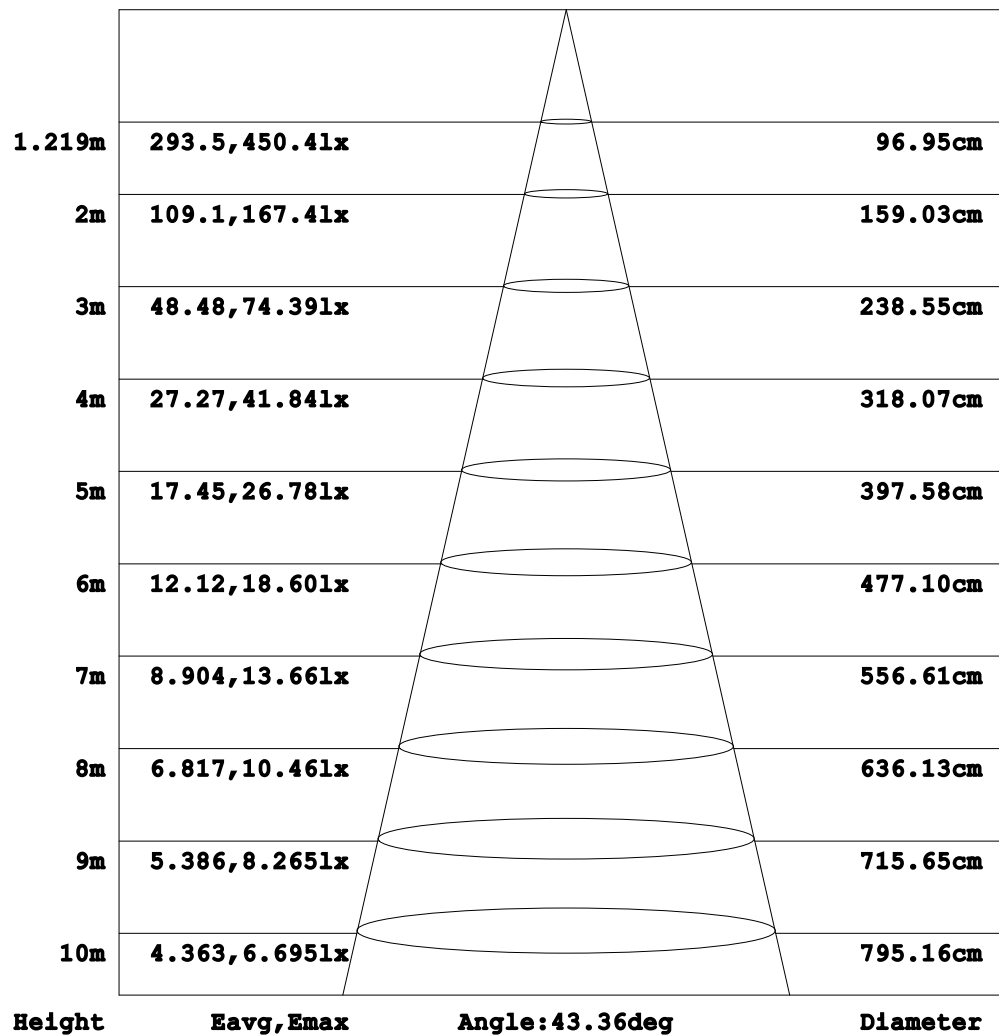
H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-26

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:221.0V I:0.1458A P:31.29W PF:0.9712 Freq:49.99Hz Lamp Flux:3312.41x1 lm		
NAME: LUX-AL-30-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:T4-B

Flux out:223.7 lm



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(β) Range: -90 - 90DEG  
V(β) 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:221.0V I:0.1458A P:31.29W PF:0.9712 Freq:49.99Hz Lamp Flux:3312.41x1 lm		
NAME: LUX-AL-30-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	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	15.5	15.3	15.0	14.6	13.6	12.6	12.0	11.7	11.7	11.7	11.8	12.0	12.2	12.4	12.6	12.9	13.1	13.4	13.6
-85	16.0	15.9	15.5	15.0	14.0	13.1	12.6	12.5	12.7	13.0	13.4	13.9	14.4	14.8	15.1	15.5	15.8	16.2	16.5
-80	16.9	16.7	16.3	15.8	14.9	14.0	13.6	13.6	14.0	14.7	15.6	16.5	17.4	18.1	18.7	19.3	19.8	20.2	20.7
-75	17.4	17.3	17.0	16.6	16.1	15.9	16.5	17.6	18.6	19.7	21.0	22.4	23.6	24.7	25.6	26.1	26.5	27.1	27.6
-70	18.1	18.2	17.9	17.9	18.1	19.1	21.5	23.9	25.7	27.4	29.5	31.5	33.3	34.8	36.0	36.4	36.8	37.5	38.0
-65	18.0	18.4	18.6	19.3	21.0	23.3	26.1	29.1	31.7	34.4	36.8	39.6	42.1	44.1	45.1	45.4	45.7	46.2	46.5
-60	17.8	18.4	19.2	21.0	24.4	28.7	32.4	36.2	39.9	43.9	47.3	50.9	54.4	57.7	58.8	58.9	58.9	59.1	59.1
-55	17.1	18.3	20.1	23.6	28.6	34.2	39.7	44.9	49.3	53.6	58.2	64.2	70.0	73.5	74.5	74.9	75.3	75.8	75.9
-50	16.2	18.5	22.4	29.0	36.4	44.1	52.2	59.2	64.3	69.4	76.0	86.4	94.5	97.4	98.1	99.1	100	101	101
-45	15.8	18.7	23.7	32.2	40.5	49.7	64.0	79.6	75.6	79.1	86.3	95.8	104	109	112	114	115	117	117
-40	14.9	18.0	24.2	34.8	44.7	55.7	76.4	106	95.4	92.3	100	108	116	125	132	136	138	140	141
-35	15.3	18.7	25.8	37.7	49.1	62.8	103	157	172	147	139	138	142	147	151	154	156	158	160
-30	16.4	20.8	30.9	44.7	59.0	80.7	159	249	283	219	193	181	180	180	181	182	185	187	188
-25	16.9	21.3	32.2	46.8	63.5	106	220	291	304	260	237	225	223	223	224	225	228	231	232
-20	17.2	20.5	30.8	46.8	64.7	118	281	357	339	323	307	293	288	288	289	290	293	297	299
-15	16.9	20.0	30.8	47.4	67.3	166	372	446	398	359	331	314	309	309	311	313	318	322	325
-10	16.6	20.8	34.4	51.8	79.9	297	550	557	471	401	361	343	339	342	346	349	356	361	364
-5	15.8	19.6	33.1	51.0	83.0	348	620	616	528	451	397	368	356	355	356	359	365	370	374
0	14.1	16.1	27.5	45.6	72.8	356	709	771	697	616	527	473	444	428	424	431	442	452	461
5	12.8	14.5	25.6	45.0	77.3	406	817	911	850	743	629	565	526	504	495	497	507	520	532
10	10.7	13.5	27.0	51.2	113	586	1044	1097	1022	895	764	695	654	626	619	623	636	647	651
15	9.66	12.1	25.4	51.9	113	598	1131	1235	1166	1050	909	804	744	707	695	697	702	702	703
20	8.23	8.93	18.9	45.3	98.1	477	1163	1437	1403	1303	1170	992	893	837	811	806	802	786	782
25	7.73	8.29	17.9	45.4	98.9	421	1162	1511	1519	1439	1323	1149	1011	943	913	905	898	895	894
30	6.76	8.28	20.9	54.4	116	482	1298	1654	1687	1630	1523	1336	1164	1092	1064	1051	1042	1058	1065
35	6.59	7.83	19.3	51.1	109	365	1145	1648	1777	1748	1633	1462	1310	1231	1188	1161	1147	1154	1161
40	6.58	6.54	13.7	38.8	85.2	162	736	1533	1880	1941	1824	1681	1550	1456	1384	1335	1309	1298	1301
45	6.52	6.36	12.7	35.3	76.6	142	532	1322	1922	2129	2011	1845	1701	1602	1546	1517	1498	1488	1492
50	6.22	6.45	13.6	35.7	72.4	126	317	1200	2128	2406	2258	2050	1904	1803	1791	1789	1779	1772	1781
55	6.17	6.17	11.9	29.7	61.1	106	236	820	1789	2238	2292	2193	1976	1809	1787	1770	1750	1736	1741
60	6.30	5.70	8.01	17.6	38.4	68.2	107	191	1041	1892	2290	2428	2158	1849	1784	1752	1712	1686	1678
65	6.26	5.57	7.02	14.3	30.0	52.4	82.3	141	675	1261	1644	1861	1700	1418	1336	1311	1276	1250	1242
70	6.02	5.31	5.93	10.6	19.2	31.9	48.5	71.9	149	390	732	1046	979	723	662	644	618	593	589
75	6.00	5.22	5.36	8.10	13.5	21.8	32.7	47.5	95.2	243	452	644	604	449	412	399	382	367	364
80	6.16	5.23	4.60	4.32	4.67	6.06	8.58	10.5	13.8	21.3	31.0	40.4	42.3	38.2	38.2	31.9	28.4	28.0	28.1
85	6.20	5.32	4.62	4.17	4.15	4.79	6.15	7.20	9.06	13.5	19.3	24.9	26.0	23.6	23.5	19.8	17.7	17.6	17.7
90	6.12	5.28	4.50	3.82	3.26	2.81	2.44	2.14	1.92	1.76	1.66	1.61	1.60	1.60	1.65	1.73	1.84	1.97	2.11

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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.0V I:0.1458A P:31.29W PF:0.9712 Freq:49.99Hz Lamp Flux:3312.41x1 lm		
NAME: LUX-AL-30-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	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	13.8	13.8	13.8	13.8	13.6	13.5	13.5	13.3	13.0	12.6	12.4	12.6	13.1	13.8	14.6	15.3	15.8	16.1	
-85	16.7	16.7	16.7	16.6	16.4	16.1	15.7	15.3	14.7	14.0	13.5	13.6	14.0	14.7	15.5	16.3	16.8	17.1	
-80	21.0	21.1	21.1	21.0	20.6	20.1	19.3	18.4	17.4	16.2	15.4	15.2	15.3	15.9	16.7	17.5	18.2	18.3	
-75	27.9	28.0	28.0	28.0	27.4	26.6	25.5	24.2	22.7	21.1	19.7	18.6	17.9	17.6	18.0	18.4	18.9	18.8	
-70	38.3	38.2	38.3	38.3	37.4	36.1	34.4	32.4	30.2	28.0	25.7	23.5	21.3	20.2	19.8	19.7	19.9	19.5	
-65	46.7	46.6	46.9	47.1	46.3	44.3	42.1	39.5	36.9	33.9	30.9	28.0	25.4	23.1	21.4	20.4	20.0	19.2	
-60	59.3	59.2	59.6	60.1	59.9	57.5	54.3	50.9	47.8	43.6	39.5	35.5	32.3	28.4	24.2	22.0	20.4	18.9	
-55	76.1	76.0	75.8	75.7	75.1	72.4	67.2	61.7	57.4	52.7	47.9	43.0	38.2	32.7	27.3	23.0	20.3	18.3	
-50	101	101	100	98.9	97.5	93.5	84.6	76.6	70.7	65.3	59.3	53.0	45.3	37.8	30.5	23.5	19.4	16.9	
-45	117	116	115	113	109	103	94.5	86.5	79.7	74.2	72.3	60.6	50.6	41.9	33.4	24.6	19.5	16.4	
-40	141	140	138	135	129	119	111	103	94.8	87.8	93.2	75.2	61.1	50.0	39.9	28.3	20.6	16.3	
-35	160	159	157	155	151	144	139	139	149	164	148	98.2	68.2	54.2	42.6	30.4	21.2	16.8	
-30	188	187	185	185	184	182	181	198	238	279	210	118	72.8	57.7	44.0	30.1	20.9	17.0	
-25	232	231	231	232	232	233	236	253	284	315	266	175	87.0	60.7	45.9	31.5	21.4	17.6	
-20	299	298	299	301	304	308	316	331	350	367	359	287	133	68.7	51.8	37.1	23.6	18.8	
-15	325	323	322	324	325	329	336	355	386	426	444	371	172	70.4	51.9	36.7	23.1	18.6	
-10	362	360	357	357	358	360	370	399	453	529	571	455	180	68.0	48.6	33.0	20.8	18.0	
-5	370	368	366	368	371	378	400	441	508	588	643	523	220	68.3	47.7	31.9	19.7	17.4	
0	455	450	445	440	447	467	500	554	636	705	767	672	340	74.6	49.0	32.5	18.9	15.9	
5	528	521	517	515	527	553	597	668	794	872	915	783	396	81.2	48.0	31.1	17.4	14.7	
10	654	649	646	650	670	709	766	872	1024	1111	1128	863	355	75.0	43.0	26.1	14.1	13.3	
15	712	721	729	741	770	825	910	1065	1199	1279	1269	936	359	81.8	44.0	25.4	13.6	12.9	
20	794	824	851	872	909	979	1096	1307	1447	1523	1511	1165	501	104	52.0	27.7	14.1	12.0	
25	908	928	959	987	1038	1133	1299	1496	1602	1647	1577	1143	432	106	52.7	27.4	14.0	12.2	
30	1087	1091	1127	1169	1252	1405	1653	1796	1840	1818	1600	955	226	93.7	46.8	22.3	13.0	12.7	
35	1187	1209	1259	1325	1427	1584	1792	1942	1990	1867	1514	794	199	91.1	46.0	21.4	13.0	12.8	
40	1329	1374	1439	1541	1657	1824	1969	2129	2228	2017	1526	718	179	99.4	51.7	24.3	13.9	12.8	
45	1520	1562	1617	1694	1809	1971	2142	2297	2339	1983	1280	517	157	89.9	48.3	22.4	13.4	12.6	
50	1814	1852	1891	1938	2066	2230	2440	2565	2437	1741	731	186	114	68.0	38.0	17.5	12.4	12.6	
55	1775	1819	1865	1914	2071	2326	2489	2434	2153	1334	504	157	98.1	59.5	32.4	16.1	11.9	12.3	
60	1707	1757	1815	1863	2018	2393	2584	2322	1844	976	179	122	81.3	51.9	27.4	15.3	11.3	11.5	
65	1266	1308	1352	1388	1553	1863	1929	1641	1207	626	135	94.7	63.9	40.7	22.6	13.4	10.7	11.1	
70	611	639	661	686	916	1084	865	547	207	87.8	66.5	50.2	35.1	22.1	14.1	10.1	9.84	10.7	
75	378	395	410	427	566	668	534	340	133	59.1	45.4	35.0	24.9	16.5	11.4	9.11	9.24	10.1	
80	28.8	29.1	32.9	39.5	40.5	43.4	37.8	30.4	23.0	16.9	14.1	12.6	10.1	8.12	7.38	7.54	8.18	9.12	
85	18.2	18.4	20.8	24.7	25.4	27.2	23.9	19.5	15.1	11.5	9.95	9.17	7.80	6.82	6.61	6.99	7.68	8.59	
90	2.26	2.41	2.54	2.67	2.79	2.90	3.03	3.17	3.34	3.55	3.80	4.11	4.49	4.99	5.59	6.30	7.10	7.99	

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: