

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	782.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	108.6V x 150.5H
	At 50% of Imax	42.9V x 133.1H
	At 90% of Imax	15.0V x 128.3H

Beam Flux	Total	998.5 lumens per klm.
	To 10% of Imax	932.3 lumens per klm.
	To 50% of Imax	523.5 lumens per klm.
	To 90% of Imax	45.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

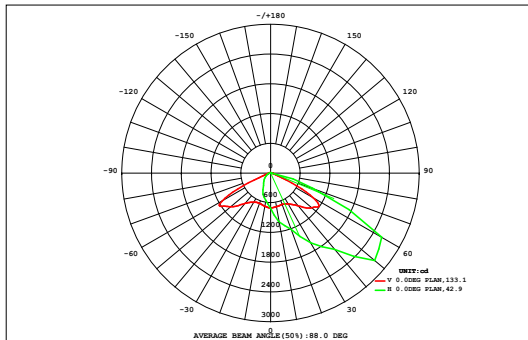
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
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:220.8V I:0.2343A P:51.21W PF:0.9896 Freq:49.99Hz Lamp Flux:5101.16x1 lm		
NAME: LUX-AL-50-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:99.62lm/W	
MODEL	LED	Imax(cd)	3991
NOMINAL POWER(W)	50	AVAILABILITY(%)	93.9
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	4788
NOMINAL FLUX(lm)	5101.16	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	5101
TEST VOLTAGE(V)	230	θ @50%(H,V)	133,43DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.01	0.15	0.25	0.24	0.23	0.24	0.26	0.29	0.30	0.31	0.29	0.27	0.25	0.26	0.26	0.27	0.17	0.01	4.06	0.00
90	0.01	0.15	0.25	0.24	0.23	0.24	0.26	0.29	0.30	0.31	0.29	0.27	0.25	0.26	0.26	0.27	0.17	0.01	4.06	0.00
80	0.03	0.10	0.35	1.03	5.38	15.2	13.9	12.2	11.6	11.8	12.5	15.3	14.3	4.15	1.04	0.46	0.16	0.04	119	103
70	0.02	0.20	1.02	5.48	33.2	61.3	54.5	51.4	50.3	51.2	53.0	60.7	62.0	28.2	3.89	1.15	0.27	0.04	518	508
60	0.03	0.36	1.96	19.2	75.3	93.0	84.5	86.0	86.7	88.2	90.1	94.6	103	71.4	14.1	2.07	0.45	0.05	911	902
50	0.04	0.53	3.83	37.2	73.7	72.7	71.4	73.5	75.1	76.8	78.5	81.0	85.7	79.9	31.9	3.39	0.61	0.06	846	840
40	0.04	0.66	8.01	43.4	57.9	57.3	53.8	53.0	53.5	55.0	57.8	62.5	68.8	66.7	41.5	6.18	0.69	0.07	687	682
30	0.05	0.70	11.6	41.0	48.5	45.1	40.7	41.8	43.1	43.9	44.3	45.3	52.8	54.5	41.9	9.47	0.70	0.07	565	562
	0.06	0.68	12.2	34.0	36.3	31.9	30.8	31.9	32.6	33.0	33.5	33.3	35.7	40.8	34.6	9.84	0.64	0.07	432	428
	0.07	0.62	9.72	24.7	24.6	22.4	22.5	23.9	25.9	26.1	24.6	23.5	23.8	26.6	24.6	8.19	0.61	0.08	312	309
	0.09	0.61	6.98	17.0	16.3	15.2	15.7	17.0	18.4	18.4	17.5	16.4	16.2	17.3	16.7	5.69	0.62	0.10	216	213
	0.10	0.63	4.36	12.0	11.7	11.9	13.1	14.3	15.1	15.2	14.7	13.8	12.8	12.8	12.1	3.89	0.64	0.11	169	164
-30	0.10	0.58	2.31	7.50	9.10	9.39	10.2	10.9	11.5	11.6	11.2	10.7	9.98	9.75	7.30	2.10	0.60	0.10	125	74.7
-40	0.09	0.49	1.35	4.55	5.56	5.42	6.17	6.80	7.19	7.24	6.90	6.24	5.28	5.51	4.13	1.33	0.53	0.10	74.9	2.03
-50	0.08	0.40	0.99	1.78	2.22	3.47	4.56	5.22	5.53	5.56	5.28	4.59	3.51	2.24	1.60	1.03	0.43	0.09	48.6	0.00
-60	0.08	0.30	0.71	1.20	1.86	2.64	3.31	3.56	3.71	3.73	3.61	3.35	2.70	1.96	1.31	0.78	0.34	0.08	35.2	0.00
-70	0.08	0.24	0.47	0.77	1.15	1.51	1.86	2.04	2.12	2.14	2.09	1.96	1.63	1.25	0.84	0.51	0.26	0.08	21.0	0.00
-80	0.07	0.20	0.32	0.48	0.67	0.88	1.07	1.22	1.31	1.35	1.32	1.20	1.01	0.78	0.55	0.35	0.22	0.08	13.1	0.00
-90	0.03	0.09	0.13	0.15	0.19	0.25	0.29	0.33	0.37	0.39	0.38	0.35	0.29	0.23	0.17	0.14	0.10	0.04	3.91	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	1.06	7.54	66.6	252	404	450	429	435	444	452	458	475	499	424	238	56.8	8.03	1.28	5101	---
Φ a	0.00	0.00	47.9	237	387	430	405	410	418	425	432	451	479	407	222	36.0	0.00	0.00	---	4788

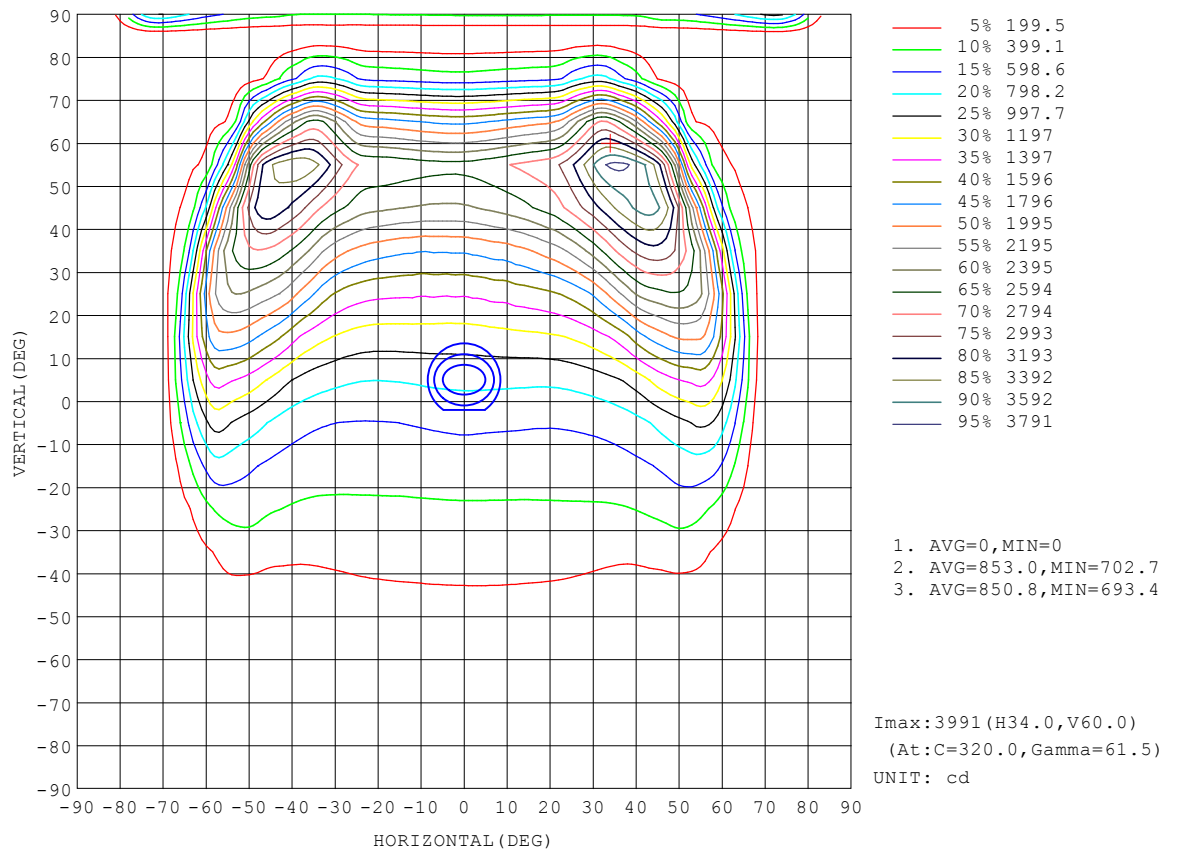
one-half-peak spread: U:26.2,D:17.0 , L:10.1,R:11.1
 IEC61347-2 Beam Type: Type 7 x 6 (H x V)

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:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000 SYSTEM V2.0.353
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.8V I:0.2343A P:51.21W PF:0.9896 Freq:49.99Hz Lamp Flux:5101.16x1 lm		
NAME: LUX-AL-50-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

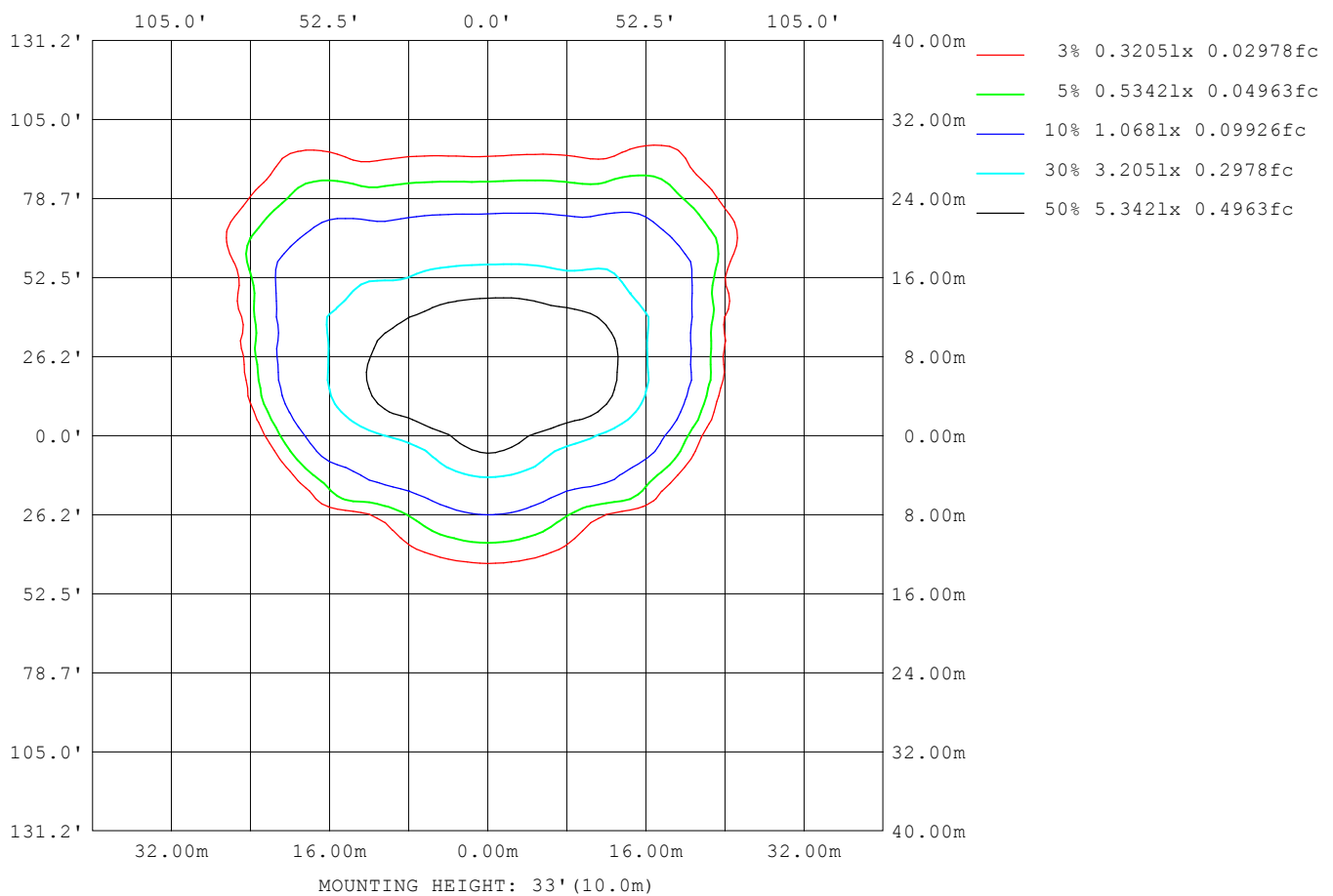


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

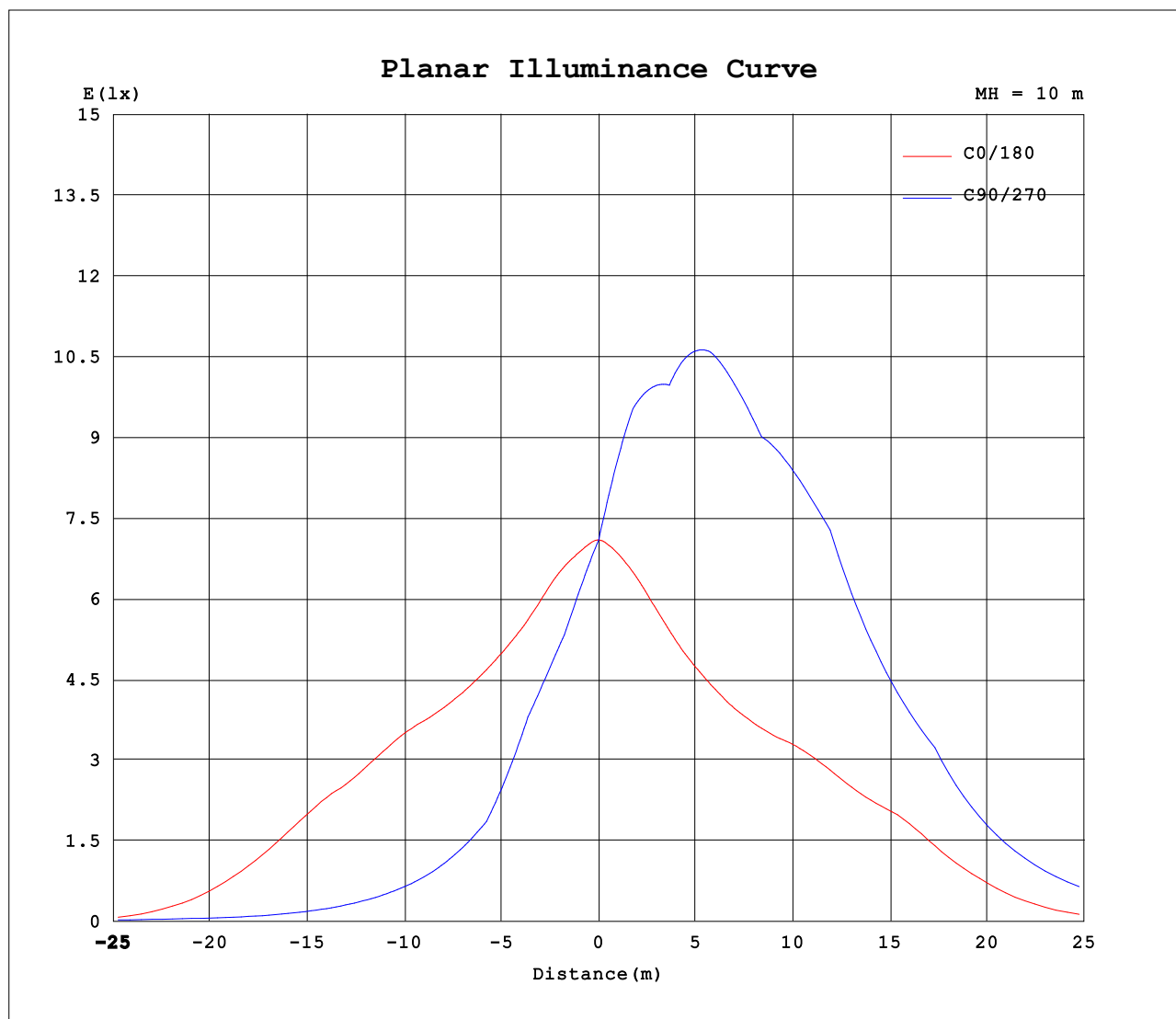
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NAME: LUX-AL-50-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:T4-B



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

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve

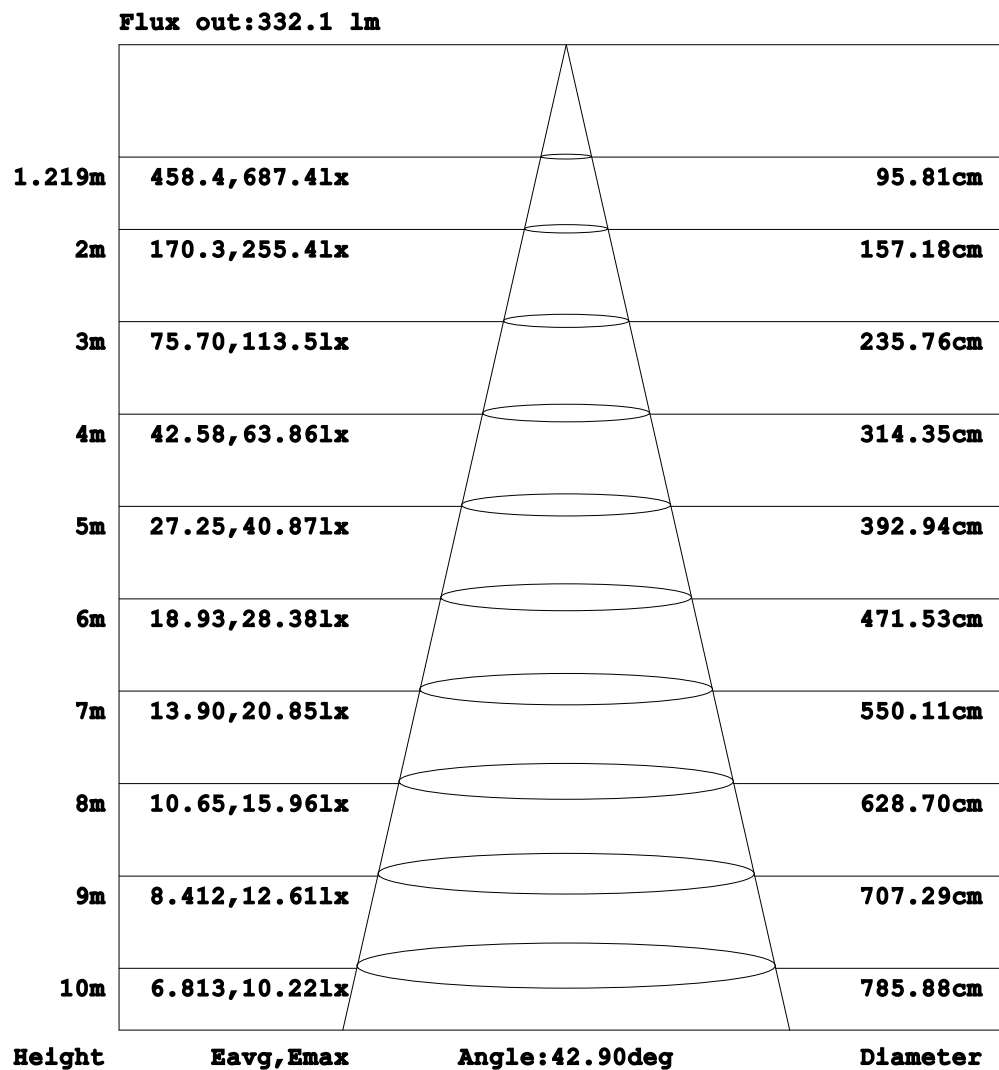


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65.0%
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Remarks:

AAI Figure

Test:U:220.8V I:0.2343A P:51.21W PF:0.9896 Freq:49.99Hz Lamp Flux:5101.16x1 lm		
NAME: LUX-AL-50-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



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:-80 - 80DEG
V(B) Interval: 5.0DEG
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:220.8V I:0.2343A P:51.21W PF:0.9896 Freq:49.99Hz Lamp Flux:5101.16x1 lm																	
NAME: LUX-AL-50-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	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	25.9	25.6	25.0	24.1	22.9	21.5	20.9	20.9	21.3	22.6	24.1	25.4	26.6	27.6	28.5	29.3	30.1	30.9	31.7
-75	27.0	26.9	26.3	25.8	25.3	25.2	26.6	28.4	30.0	32.0	34.3	36.5	38.6	40.2	41.7	42.5	43.1	44.1	44.9
-70	28.1	28.1	27.6	27.6	27.8	28.9	32.4	35.9	38.8	41.5	44.5	47.7	50.6	52.8	54.8	55.6	56.2	57.2	58.1
-65	27.7	28.3	28.7	30.1	33.0	36.7	41.2	45.9	50.2	54.7	58.6	63.1	67.2	70.7	72.4	72.8	73.1	73.8	74.2
-60	27.4	28.4	29.7	32.6	38.3	44.5	50.0	55.9	61.6	67.9	72.7	78.4	83.9	88.6	90.0	90.0	90.0	90.4	90.3
-55	26.0	28.2	31.5	37.6	46.1	55.0	64.1	72.5	79.5	86.4	93.7	104	114	119	120	121	121	122	122
-50	24.7	27.9	33.3	42.7	54.0	65.5	78.2	89.2	97.3	105	115	130	143	149	150	151	153	154	154
-45	23.9	28.2	35.9	49.0	62.1	76.3	100	128	120	124	135	148	161	171	176	180	182	184	185
-40	23.2	28.5	38.5	55.3	70.3	87.1	122	167	142	142	155	167	179	193	203	208	211	214	216
-35	24.0	29.7	41.4	60.6	78.5	102	175	267	291	242	227	223	227	234	240	243	247	250	251
-30	24.9	30.9	44.3	65.8	86.8	117	228	368	440	342	300	279	276	276	277	278	282	285	287
-25	25.9	31.8	47.4	70.2	95.4	162	345	456	478	418	383	364	359	358	360	361	366	370	373
-20	26.8	32.7	50.6	74.7	104	206	463	544	517	493	467	448	442	441	443	444	450	455	459
-15	26.1	31.6	49.8	75.0	109	301	634	710	627	559	513	488	481	483	487	489	497	504	509
-10	25.5	30.4	49.1	75.4	114	395	804	875	737	626	559	528	521	524	530	534	544	553	559
-5	23.6	28.1	46.9	74.0	116	501	968	1022	899	779	680	625	600	590	591	599	612	625	634
0	21.7	25.7	44.8	72.7	118	607	1131	1169	1062	933	800	722	679	656	653	663	680	697	710
5	19.2	22.5	41.3	72.4	129	698	1336	1432	1327	1166	997	900	847	811	802	810	827	845	854
10	16.6	19.4	37.7	72.1	140	788	1541	1695	1593	1399	1194	1079	1014	967	951	956	974	993	999
15	14.6	17.0	35.3	74.5	152	830	1718	1955	1866	1691	1475	1290	1186	1122	1098	1098	1102	1099	1100
20	12.6	14.6	33.0	76.9	165	873	1895	2214	2139	1984	1757	1502	1358	1278	1244	1239	1231	1205	1202
25	11.6	13.2	30.0	75.6	163	719	1879	2365	2370	2252	2064	1803	1585	1483	1441	1428	1415	1415	1416
30	10.6	11.7	27.1	74.3	161	566	1862	2516	2600	2521	2372	2103	1812	1687	1637	1618	1599	1624	1630
35	10.3	11.2	25.4	70.5	152	417	1585	2494	2764	2748	2577	2331	2086	1955	1880	1832	1804	1811	1818
40	10.0	10.6	23.7	66.8	144	268	1307	2473	2929	2975	2782	2558	2361	2223	2122	2047	2010	1999	2005
45	9.92	10.1	21.2	57.9	123	224	821	2062	3038	3347	3148	2879	2659	2510	2441	2403	2378	2366	2374
50	9.81	9.58	18.7	49.0	103	180	335	1650	3147	3719	3513	3200	2957	2797	2760	2760	2745	2732	2742
55	9.72	9.21	16.2	39.7	83.8	146	254	993	2498	3366	3551	3465	3103	2805	2753	2725	2688	2663	2666
60	9.63	8.84	13.8	30.3	65.0	112	174	337	1849	3013	3588	3730	3249	2813	2746	2691	2631	2595	2589
65	9.56	8.57	11.3	22.9	46.6	79.4	123	221	1027	1767	2329	2659	2397	1985	1885	1844	1794	1755	1746
70	9.49	8.30	8.84	15.4	28.2	46.4	71.7	105	205	520	1070	1588	1546	1157	1024	998	956	916	903
75	9.47	8.17	8.00	11.1	17.9	28.3	42.9	60.8	114	277	560	825	804	608	541	522	499	479	473
80	9.45	8.05	7.16	6.83	7.63	10.1	14.1	17.1	22.4	34.8	49.8	62.9	62.3	58.3	56.9	46.5	42.8	42.4	42.8
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(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2023-10-26

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

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:220.8V I:0.2343A P:51.21W PF:0.9896 Freq:49.99Hz Lamp Flux:5101.16x1 lm																		
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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	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	32.1	32.3	32.4	32.2	31.6	30.7	29.6	28.2	26.5	24.6	23.7	23.2	23.4	24.4	25.7	26.9	28.0	28.3	
-75	45.4	45.4	45.5	45.5	44.6	43.2	41.3	39.1	36.6	34.0	31.7	29.7	28.1	27.6	28.0	28.5	29.3	29.1	
-70	58.6	58.5	58.7	58.8	57.6	55.6	53.1	50.1	46.8	43.3	39.8	36.3	32.8	30.8	30.3	30.1	30.5	30.0	
-65	74.6	74.5	74.9	75.4	74.4	71.3	67.7	63.6	59.6	54.5	49.6	44.8	40.6	36.6	33.3	31.6	30.8	29.4	
-60	90.6	90.4	91.1	91.9	91.2	87.0	82.3	77.0	72.4	65.8	59.3	53.3	48.4	42.4	36.3	33.2	31.0	28.9	
-55	123	122	122	122	120	116	107	97.7	90.8	83.4	75.6	67.8	59.7	50.8	42.1	35.0	30.7	27.6	
-50	155	154	153	151	149	144	131	118	109	101	91.8	82.2	70.9	59.1	48.0	36.9	30.4	26.2	
-45	185	184	182	178	172	163	150	137	126	117	117	97.1	80.9	66.8	53.5	39.1	30.5	25.4	
-40	216	214	210	205	195	181	168	156	144	133	142	112	90.9	74.4	58.9	41.3	30.7	24.6	
-35	251	250	247	245	239	230	223	227	250	281	242	153	104	82.6	64.5	45.5	31.9	25.5	
-30	287	286	284	284	283	279	277	297	357	429	341	193	116	90.9	70.0	49.7	33.2	26.4	
-25	373	372	371	373	375	376	382	404	448	497	442	304	146	96.1	73.1	51.9	33.9	27.5	
-20	458	457	458	462	467	474	487	512	540	565	542	414	176	101	76.1	54.0	34.7	28.6	
-15	507	505	503	505	508	513	526	558	611	682	710	579	251	105	76.8	53.8	33.9	28.3	
-10	556	553	549	548	549	551	565	605	682	798	878	744	326	108	77.6	53.7	33.1	27.9	
-5	628	622	616	612	620	637	670	734	837	945	1031	870	395	109	74.8	50.7	30.5	26.2	
0	699	691	683	677	690	722	775	862	991	1092	1184	997	463	110	71.9	47.7	27.8	24.6	
5	852	845	838	837	857	902	969	1088	1271	1396	1467	1203	554	116	70.8	45.3	25.3	22.4	
10	1005	999	992	997	1025	1082	1163	1313	1550	1700	1750	1408	646	123	69.7	42.8	22.8	20.3	
15	1116	1136	1152	1171	1216	1303	1439	1687	1895	2025	2026	1543	639	135	71.3	41.2	21.6	19.5	
20	1226	1272	1312	1346	1408	1524	1715	2060	2240	2350	2302	1677	632	147	72.9	39.6	20.4	18.7	
25	1444	1470	1519	1567	1656	1820	2105	2404	2534	2581	2424	1653	532	152	75.6	39.3	20.6	19.1	
30	1661	1668	1726	1788	1905	2117	2496	2748	2827	2813	2545	1628	431	157	78.4	39.0	20.8	19.4	
35	1858	1897	1980	2090	2244	2478	2780	3030	3126	2920	2376	1283	342	149	75.3	35.6	20.7	19.7	
40	2054	2127	2234	2392	2582	2839	3064	3313	3424	3026	2208	937	254	140	72.2	32.2	20.5	19.9	
45	2421	2487	2571	2682	2869	3118	3396	3627	3627	2957	1755	622	220	126	68.1	30.6	19.9	19.6	
50	2789	2847	2908	2973	3157	3396	3727	3941	3831	2887	1303	307	187	112	63.9	28.9	19.3	19.4	
55	2714	2783	2858	2929	3164	3585	3847	3719	3279	2064	781	244	152	93.6	51.4	25.6	18.4	18.7	
60	2639	2720	2808	2886	3171	3773	3967	3497	2727	1240	258	180	118	75.1	38.9	22.4	17.4	18.0	
65	1787	1850	1912	1965	2263	2716	2690	2206	1541	693	182	131	88.0	55.9	31.1	19.2	16.3	17.2	
70	936	980	1016	1045	1356	1659	1414	914	356	145	106	81.7	57.5	36.7	23.3	16.1	15.2	16.4	
75	490	512	534	553	708	862	735	480	195	85.2	63.8	50.5	36.4	24.6	17.4	13.9	14.0	15.3	
80	43.8	44.3	51.0	60.5	61.0	65.9	56.7	44.9	34.2	25.2	21.8	19.3	15.2	12.5	11.5	11.8	12.8	14.3	
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(θ) Range:-90 - 90DEG
H(θ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26
V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks: