

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	553.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	141.7V x 167.0H
	At 50% of Imax	67.5V x 158.5H
	At 90% of Imax	23.9V x 153.9H

Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	962.3 lumens per klm.
	To 50% of Imax	536.1 lumens per klm.
	To 90% of Imax	59.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

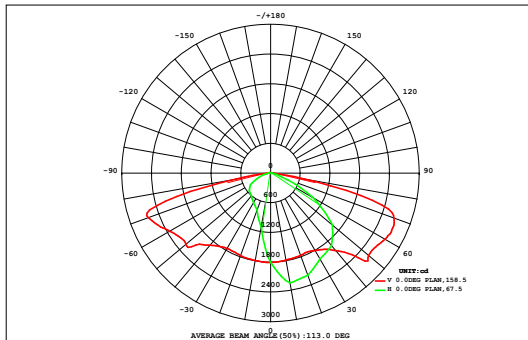
Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-30

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:0.2362A P:51.63W PF:0.9897 Freq:49.99Hz Lamp Flux:7595.62x1 lm		
NAME: LUX-AL-50-TypeII-III-SCL-C15021	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:SCL



DATA OF LAMP		Eff:147.12lm/W	
MODEL	LED	Imax(cd)	4206
NOMINAL POWER(W)	50	AVAILABILITY(%)	96.3
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	7314
NOMINAL FLUX(lm)	7595.62	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	7596
TEST VOLTAGE(V)	230	θ @50% (H,V)	158,67DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.05	0.18	0.39	1.38	1.43	0.99	0.90	0.97	0.99	1.00	1.01	0.98	1.15	1.76	1.56	0.44	0.20	0.06	15.4	0.00
90	0.05	0.18	0.39	1.38	1.43	0.99	0.90	0.97	0.99	1.00	1.01	0.98	1.15	1.76	1.56	0.44	0.20	0.06	15.4	0.00
80	0.06	0.69	3.61	6.21	4.95	4.17	4.09	4.33	4.37	4.43	4.49	4.39	4.75	6.11	8.05	3.95	0.70	0.08	69.4	13.4
70	0.09	2.93	18.7	23.0	18.2	16.9	17.6	18.2	18.1	18.6	19.2	18.7	18.8	21.8	28.5	19.9	2.92	0.12	282	265
60	0.17	8.33	37.7	45.9	42.3	40.1	40.7	40.5	39.6	41.3	43.0	43.4	44.0	49.0	53.4	39.6	8.02	0.19	617	616
50	0.29	14.8	46.8	59.7	61.7	59.0	56.3	54.3	53.7	55.9	58.7	61.9	65.6	69.9	66.7	48.8	14.3	0.32	849	848
40	0.45	19.2	50.0	64.8	69.5	67.1	62.2	59.2	59.0	60.7	64.9	71.2	78.3	79.6	71.9	52.1	18.6	0.46	949	948
30	0.59	21.0	48.6	61.8	68.7	68.8	65.4	62.8	63.1	64.4	67.5	73.7	80.9	80.7	69.6	50.5	20.2	0.60	969	968
	0.68	20.2	43.1	53.8	62.7	64.3	63.7	64.9	67.0	67.9	67.3	68.2	71.6	73.8	61.6	45.1	19.6	0.68	916	915
	0.70	18.0	35.4	44.1	51.8	52.6	54.9	59.2	61.9	62.1	59.8	56.2	55.6	59.3	50.8	37.8	17.5	0.72	778	778
	0.68	15.5	29.2	35.4	38.8	38.8	40.9	43.1	44.3	44.1	42.9	41.2	40.4	43.9	40.6	31.9	15.4	0.69	588	587
	0.62	13.2	25.4	28.0	27.4	25.7	26.5	27.8	28.6	28.7	28.2	26.8	26.7	31.3	32.0	27.5	13.2	0.62	418	418
	0.51	10.9	22.0	20.8	17.9	17.5	19.2	21.0	22.1	22.2	21.2	19.3	18.1	20.8	23.8	23.6	11.0	0.54	312	312
-30	0.40	8.40	18.6	14.7	12.6	14.3	16.7	18.5	19.5	19.5	18.6	16.7	15.4	14.8	17.0	20.0	8.56	0.42	255	253
-40	0.27	5.68	15.0	10.8	10.1	12.8	15.8	17.3	17.7	17.8	17.6	16.0	14.1	11.6	12.5	16.1	5.90	0.31	217	216
-50	0.18	3.16	10.3	8.54	8.00	10.5	14.4	15.4	15.6	15.8	15.7	14.8	11.4	9.00	9.83	11.1	3.28	0.21	177	152
-60	0.13	1.24	4.96	5.95	5.47	6.93	9.65	10.4	10.9	10.9	10.6	10.0	7.41	6.25	6.74	5.34	1.38	0.16	114	26.0
-70	0.11	0.44	1.41	2.60	2.77	3.40	4.38	4.78	4.89	4.90	4.80	4.47	3.67	3.30	2.99	1.58	0.51	0.13	51.1	0.00
-80	0.10	0.30	0.45	0.73	1.04	1.22	1.45	1.51	1.52	1.54	1.55	1.53	1.37	1.23	0.83	0.50	0.33	0.11	17.3	0.00
-90	0.10	0.30	0.45	0.73	1.04	1.22	1.45	1.51	1.52	1.54	1.55	1.53	1.37	1.23	0.83	0.50	0.33	0.11	17.3	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	6.08	164	412	488	505	505	515	524	533	542	547	549	559	584	558	436	162	6.39	7596	---
Φ a	1.92	157	405	474	481	482	494	503	511	520	526	529	536	561	546	429	155	1.49	---	7314

one-half-peak spread: U:20.0,D:47.9 , L:8.3,R:15.2

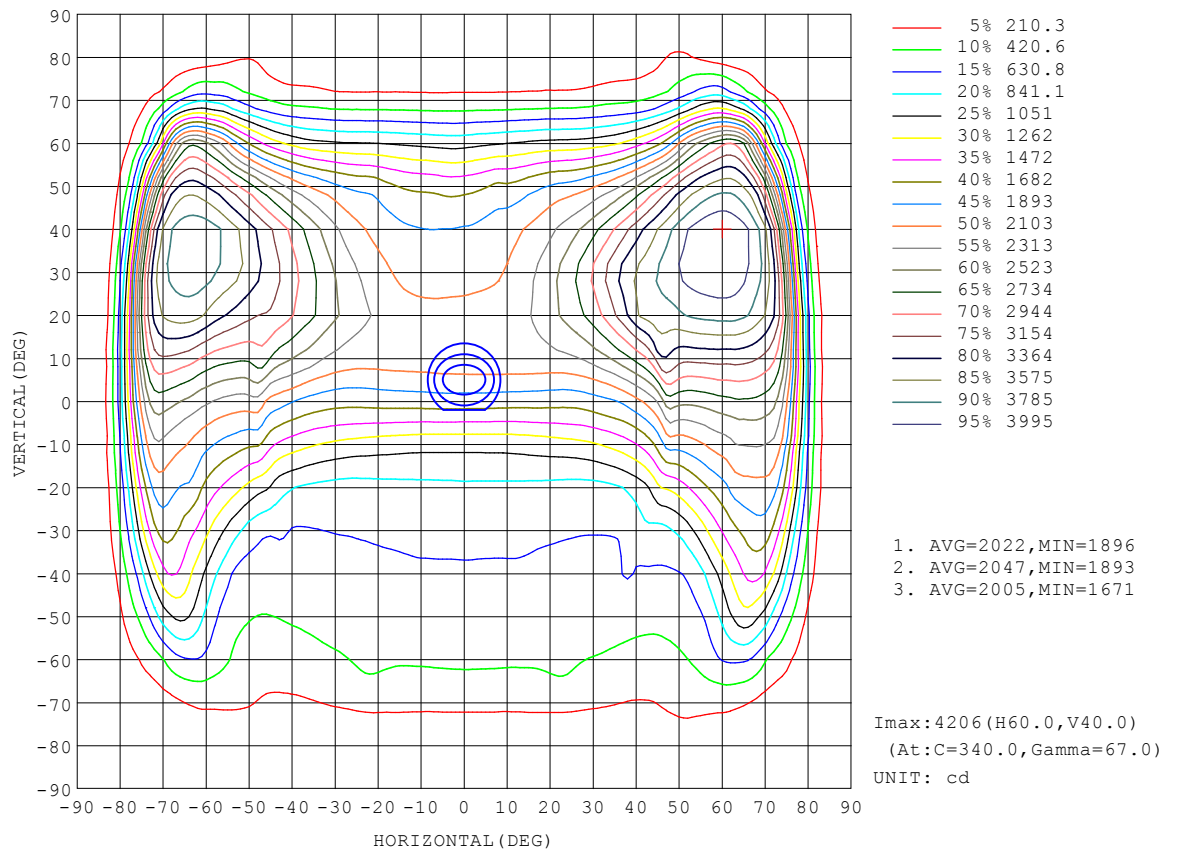
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-30

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:0.2362A P:51.63W PF:0.9897 Freq:49.99Hz Lamp Flux:7595.62x1 lm		
NAME: LUX-AL-50-TypeII-III-SCL-C15021	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:SCL

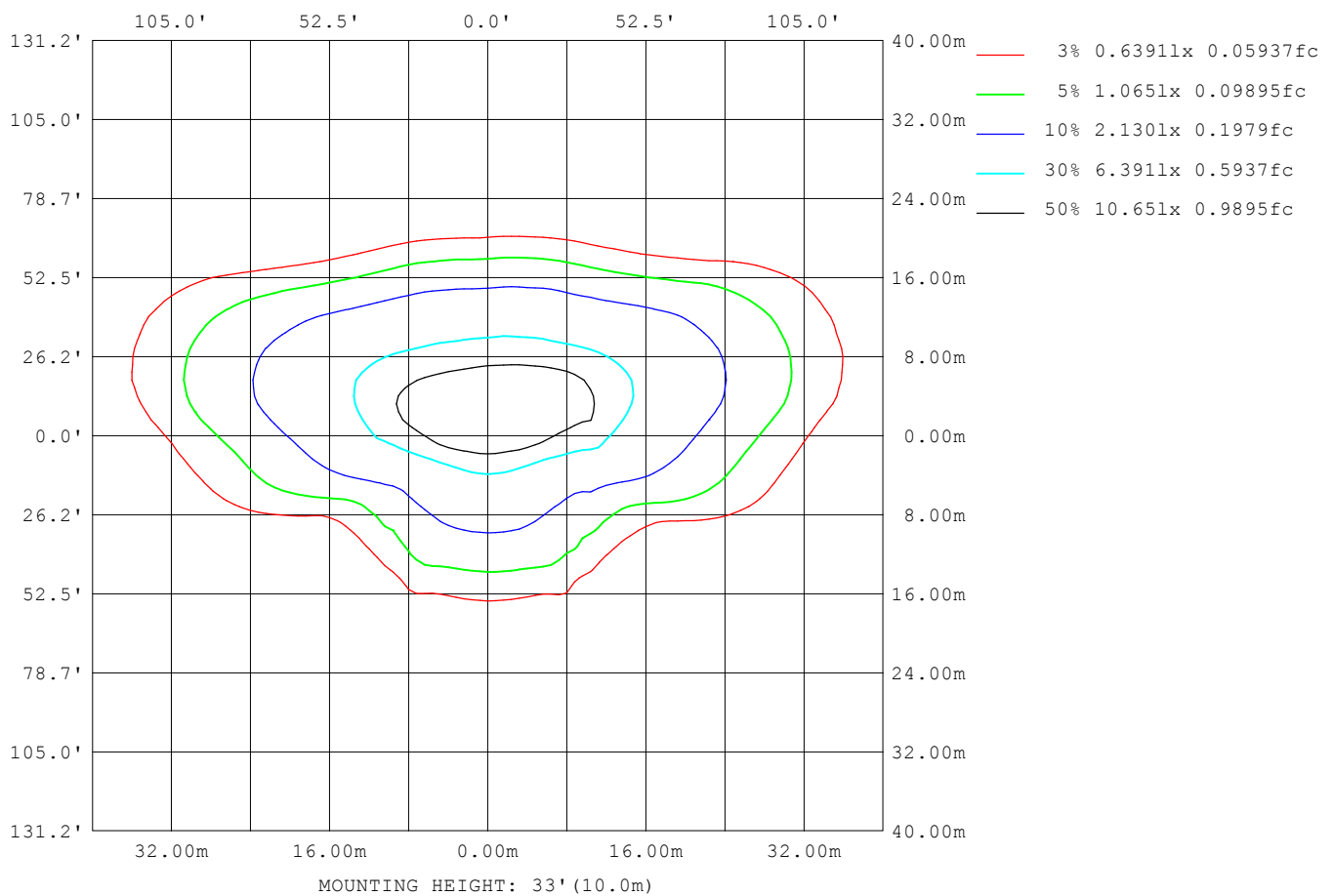


H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-30

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

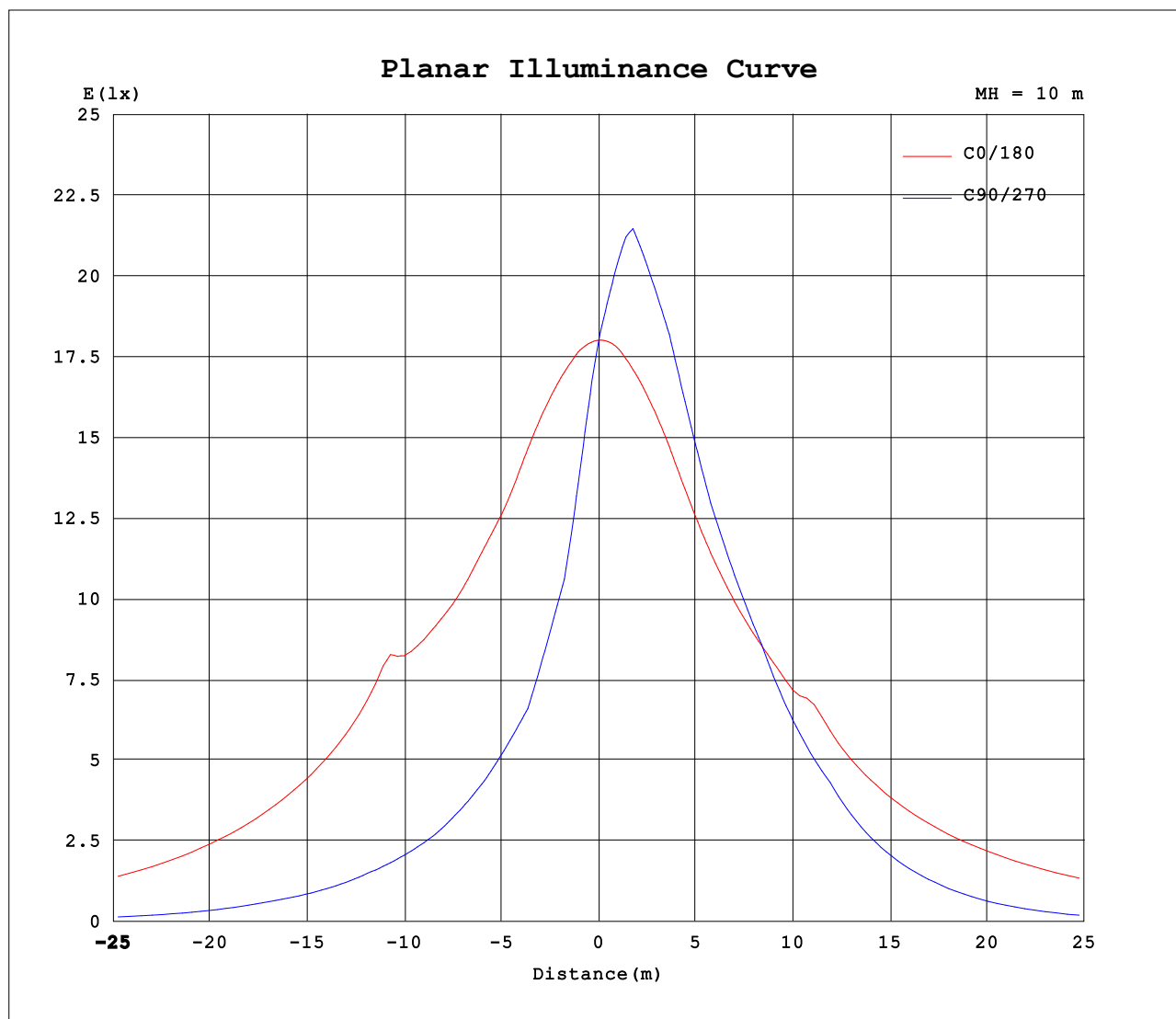
Test:U:220.9V I:0.2362A P:51.63W PF:0.9897 Freq:49.99Hz Lamp Flux:7595.62x1 lm		
NAME: LUX-AL-50-TypeII-III-SCL-C15021	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:SCL



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-30

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

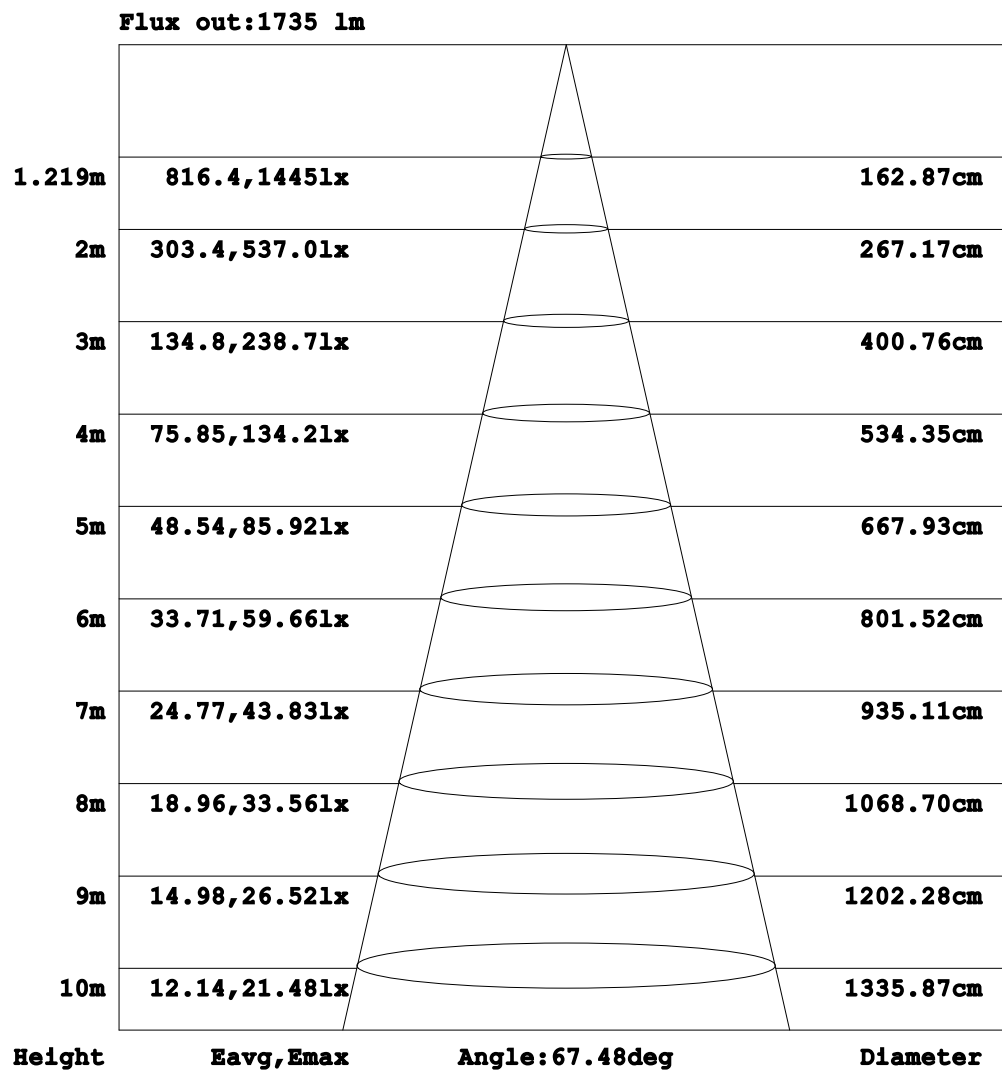


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-30

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:0.2362A P:51.63W PF:0.9897 Freq:49.99Hz Lamp Flux:7595.62x1 lm		
NAME: LUX-AL-50-TypeII-III-SCL-C15021	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:SCL



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: 2023-10-30

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:0.2362A P:51.63W PF:0.9897 Freq:49.99Hz Lamp Flux:7595.62x1 lm		
NAME: LUX-AL-50-TypeII-III-SCL-C15021	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:SCL

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	38.7	38.0	36.7	35.4	33.8	32.2	31.2	30.5	30.3	30.3	30.5	30.7	30.7	30.4	29.9	29.2	28.8	28.6	28.7
-85	38.8	38.5	38.0	37.6	36.9	36.5	37.3	42.6	45.0	46.5	45.4	46.8	48.7	50.4	49.9	48.6	48.1	47.8	47.8
-80	38.9	39.4	39.9	41.0	41.5	42.9	46.4	60.9	67.1	70.8	67.8	71.0	75.7	80.4	80.0	77.5	76.9	76.5	76.6
-75	38.9	40.5	43.8	52.3	70.6	98.5	123	133	132	114	113	123	135	145	148	146	145	146	146
-70	38.9	42.2	49.5	69.3	114	182	238	242	230	179	182	202	224	241	250	250	247	250	249
-65	38.7	43.8	61.9	134	234	355	378	321	271	233	241	261	289	327	348	330	330	336	339
-60	38.5	46.2	80.4	231	415	615	589	438	333	314	329	350	386	455	494	450	455	466	473
-55	38.7	49.2	116	330	624	812	671	468	373	356	375	403	445	510	541	502	499	504	510
-50	38.9	53.6	168	480	939	1108	795	513	432	418	444	481	533	591	611	579	565	562	564
-45	39.4	56.9	215	603	1126	1222	881	583	470	459	479	499	539	582	603	587	582	579	581
-40	40.2	61.9	286	786	1407	1393	1010	688	526	519	532	524	546	569	589	599	607	605	606
-35	40.3	65.8	342	951	1552	1470	1131	811	614	566	561	561	582	600	615	625	634	636	638
-30	40.4	71.7	425	1198	1770	1586	1311	994	745	637	603	615	636	645	653	663	674	683	687
-25	38.8	72.3	464	1329	1864	1701	1435	1158	928	798	703	687	686	688	698	707	717	725	731
-20	36.3	73.3	523	1527	2006	1874	1622	1404	1202	1039	852	795	762	753	766	775	782	788	797
-15	33.9	74.5	571	1670	2109	1970	1751	1569	1407	1228	1056	984	939	919	918	916	915	917	922
-10	30.3	76.3	643	1886	2264	2115	1945	1815	1715	1512	1363	1267	1205	1168	1146	1129	1114	1112	1111
-5	28.3	74.3	666	1997	2396	2239	2085	1980	1918	1731	1589	1504	1452	1424	1407	1393	1381	1382	1379
0	25.6	74.7	723	2201	2625	2500	2350	2248	2231	2032	1903	1805	1759	1755	1773	1784	1791	1804	1802
5	24.1	72.0	731	2308	2817	2717	2561	2466	2461	2302	2168	2036	1954	1930	1946	1963	1973	1989	1992
10	22.4	71.5	760	2557	3144	3064	2893	2796	2778	2756	2544	2408	2268	2199	2199	2210	2218	2236	2248
15	21.7	67.0	735	2631	3323	3312	3154	3018	2949	2907	2708	2545	2383	2280	2228	2204	2203	2214	2226
20	20.7	60.3	696	2743	3591	3684	3545	3351	3205	3132	2955	2751	2555	2400	2271	2194	2180	2182	2192
25	20.4	57.8	664	2717	3653	3776	3684	3500	3330	3191	2988	2759	2544	2373	2237	2143	2107	2103	2114
30	20.1	54.0	615	2677	3745	3913	3891	3724	3517	3278	3036	2770	2528	2333	2185	2068	1998	1984	1997
35	20.0	48.1	529	2422	3684	3912	3896	3716	3490	3237	2977	2705	2458	2264	2123	2017	1959	1948	1963
40	20.0	39.2	399	2039	3593	3909	3903	3705	3450	3174	2888	2607	2352	2161	2030	1940	1899	1895	1912
45	20.0	36.1	340	1714	3333	3733	3699	3481	3215	2923	2647	2408	2202	2049	1949	1851	1806	1786	1798
50	20.1	31.4	251	1225	2942	3469	3392	3146	2862	2545	2286	2110	1976	1880	1827	1718	1665	1623	1626
55	20.1	29.1	194	906	2344	3120	3060	2743	2386	2076	1852	1709	1615	1552	1515	1440	1399	1364	1367
60	20.2	25.6	110	427	1448	2597	2563	2139	1673	1371	1202	1107	1073	1060	1048	1024	1000	976	978
65	20.3	24.3	81.2	309	980	1772	1811	1521	1179	955	832	774	744	733	726	711	694	679	682
70	20.6	22.4	37.6	131	278	534	683	593	438	332	276	273	249	243	244	242	236	234	237
75	20.8	21.4	31.3	89.2	181	337	440	416	343	243	201	192	174	169	170	169	165	164	166
80	21.1	20.0	21.8	25.7	34.0	42.6	74.1	150	201	111	86.9	71.4	60.7	58.2	58.3	59.8	58.5	58.3	58.9
85	21.6	20.4	20.9	22.6	27.0	31.6	50.0	94.9	125	70.7	56.1	46.6	40.1	38.5	38.5	39.4	38.6	38.4	38.8
90	22.3	20.9	19.5	18.0	16.6	15.1	13.7	12.5	11.4	10.5	9.84	9.40	9.13	8.96	8.83	8.73	8.65	8.61	8.60

H(θ) Range:-90 - 90DEG
H(θ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-30
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:0.2362A P:51.63W PF:0.9897 Freq:49.99Hz Lamp Flux:7595.62x1 lm		
NAME: LUX-AL-50-TypeII-III-SCL-C15021	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:SCL

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	29.1	29.5	30.2	31.0	31.8	32.4	32.8	32.7	32.4	31.8	31.6	32.2	33.6	36.1	38.3	40.2	41.7	40.3	
-85	48.5	49.0	50.1	51.5	52.9	52.2	51.7	52.1	54.1	52.1	47.3	41.3	40.0	40.8	41.9	42.6	43.1	40.7	
-80	77.5	78.2	80.1	82.3	84.7	82.0	80.1	81.2	86.8	82.5	70.8	54.9	49.6	47.9	47.3	46.3	45.1	41.3	
-75	146	145	148	149	149	142	134	128	138	160	151	137	111	80.2	60.4	51.3	46.9	41.6	
-70	249	246	250	249	246	231	216	198	215	275	272	259	203	129	80.1	58.8	49.6	42.1	
-65	337	332	334	350	341	302	280	261	269	322	359	412	385	254	151	73.4	52.4	42.6	
-60	468	462	461	502	484	408	377	355	351	391	491	641	658	442	257	95.2	56.6	43.4	
-55	508	509	513	548	526	479	436	406	399	439	536	741	873	652	354	127	59.7	43.9	
-50	568	578	592	615	589	586	524	483	471	511	604	891	1196	968	499	175	64.3	44.8	
-45	583	590	597	604	582	576	548	537	523	555	675	987	1307	1161	632	224	68.2	45.3	
-40	604	607	604	587	572	561	585	617	600	623	783	1131	1475	1452	831	298	73.9	45.9	
-35	635	634	628	613	601	591	606	653	664	719	929	1273	1573	1592	978	344	76.7	46.1	
-30	681	675	663	653	644	636	637	708	761	864	1148	1488	1721	1801	1198	414	80.8	46.4	
-25	726	722	713	703	692	689	706	792	944	1066	1331	1619	1843	1895	1346	465	83.9	44.9	
-20	794	794	788	778	764	767	810	918	1219	1368	1605	1816	2026	2036	1570	541	88.5	42.6	
-15	922	923	928	931	930	951	1014	1136	1433	1611	1795	1975	2143	2145	1685	572	87.2	40.6	
-10	1113	1118	1138	1160	1180	1226	1321	1463	1755	1975	2079	2213	2319	2307	1859	617	85.3	37.5	
-5	1378	1375	1389	1407	1433	1483	1565	1698	1969	2209	2273	2380	2451	2436	1980	657	86.7	35.8	
0	1796	1783	1776	1767	1756	1806	1879	2041	2331	2583	2595	2668	2702	2648	2130	687	83.2	33.8	
5	1994	1985	1977	1962	1964	2030	2148	2338	2667	2862	2841	2892	2903	2816	2256	713	84.7	33.0	
10	2258	2263	2266	2260	2301	2409	2580	2802	3331	3227	3222	3228	3220	3095	2411	710	80.9	32.6	
15	2241	2256	2281	2330	2430	2579	2803	3096	3482	3437	3469	3485	3460	3285	2515	699	80.0	32.7	
20	2215	2246	2304	2436	2624	2834	3138	3537	3708	3751	3840	3871	3821	3569	2672	684	78.6	33.0	
25	2141	2196	2290	2444	2654	2902	3216	3567	3751	3860	3962	3994	3917	3629	2596	627	73.3	33.3	
30	2030	2122	2269	2457	2700	3004	3334	3611	3817	4024	4145	4180	4061	3720	2483	542	65.4	33.7	
35	2004	2083	2215	2381	2598	2870	3182	3473	3721	3970	4130	4190	4063	3680	2285	482	62.2	33.6	
40	1965	2026	2133	2268	2446	2669	2953	3264	3576	3888	4109	4206	4065	3620	1989	391	57.4	33.4	
45	1862	1919	2015	2143	2270	2449	2687	2980	3310	3650	3894	4009	3876	3325	1649	322	52.8	32.7	
50	1708	1757	1838	1957	2006	2120	2288	2554	2910	3294	3572	3714	3593	2881	1140	219	45.9	31.8	
55	1431	1473	1536	1619	1653	1735	1864	2085	2396	2820	3177	3388	3250	2309	847	176	42.5	30.6	
60	1015	1047	1084	1113	1125	1157	1229	1382	1624	2109	2586	2901	2736	1451	408	112	37.5	28.9	
65	704	725	750	769	778	805	859	956	1139	1489	1873	2087	1867	979	295	85.1	34.4	27.9	
70	238	242	249	255	256	277	305	317	411	559	803	867	565	271	125	45.4	29.7	26.4	
75	166	169	175	178	180	195	217	231	304	431	550	552	359	179	87.6	38.0	27.5	25.6	
80	59.2	60.3	62.2	62.0	64.3	70.9	86.0	100	145	238	171	79.7	50.8	40.8	31.7	26.9	24.1	24.4	
85	38.9	39.6	40.8	40.7	42.2	46.2	55.4	64.3	91.3	148	108	53.5	36.8	31.5	26.7	24.4	23.2	23.7	
90	8.60	8.62	8.68	8.79	8.99	9.26	9.59	10.1	10.8	11.8	12.9	14.2	15.7	17.5	19.1	20.6	21.9	22.8	

H(θ) Range:-90 - 90DEG

H(θ) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2023-10-30

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: