

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	592.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	143.2V x 168.8H
	At 50% of Imax	64.3V x 160.1H
	At 90% of Imax	24.5V x 155.4H

Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	957.3 lumens per klm.
	To 50% of Imax	472.8 lumens per klm.
	To 90% of Imax	46.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

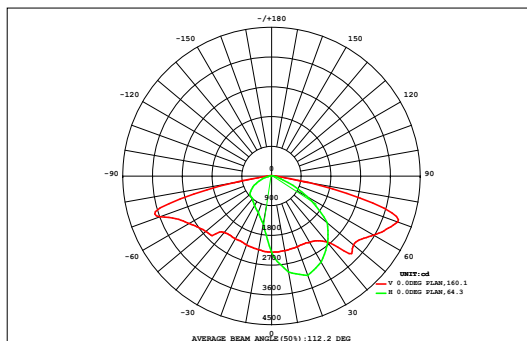
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

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:0.3257A P:70.92W PF:0.9859 Freq:49.99Hz Lamp Flux:10279.1x1 lm		
NAME: LUX-AL-70-TypeII/III-SCL-PC-C16473	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:SCL-PC



DATA OF LAMP		Eff:144.95lm/W	
MODEL	LED	Imax(cd)	6090
NOMINAL POWER(W)	70	AVAILABILITY(%)	95.8
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	9846
NOMINAL FLUX(lm)	10279.1	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	10279
TEST VOLTAGE(V)	230	θ @50% (H,V)	160,64DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.07	0.27	0.95	1.86	1.95	1.23	1.21	1.30	1.38	1.41	1.39	1.33	1.55	2.75	2.21	0.94	0.34	0.08	22.2	0.00
90	0.07	0.27	0.95	1.86	1.95	1.23	1.21	1.30	1.38	1.41	1.39	1.33	1.55	2.75	2.21	0.94	0.34	0.08	22.2	0.00
80	0.09	1.61	7.75	8.66	6.71	5.63	5.85	6.14	6.53	6.68	6.53	6.36	6.74	9.20	12.6	7.81	1.51	0.11	106	26.2
70	0.18	6.13	29.0	31.2	23.2	21.4	22.4	23.1	23.6	24.4	25.1	24.9	24.9	29.5	42.3	31.1	5.55	0.21	388	356
60	0.39	14.1	53.1	61.7	55.6	51.9	51.7	52.0	51.6	53.6	57.1	58.3	60.0	67.8	77.4	57.6	13.2	0.40	837	835
50	0.68	22.0	65.6	80.4	83.3	79.2	75.2	73.1	72.8	75.6	81.3	87.0	93.2	100	96.6	70.9	21.8	0.64	1180	1178
40	0.98	27.5	69.1	86.5	92.8	90.4	85.5	83.4	84.6	87.2	92.9	102	111	114	103	75.7	27.8	0.90	1335	1334
30	1.20	30.2	65.9	81.0	89.1	89.8	88.4	90.6	93.3	95.5	98.3	105	113	111	98.3	73.8	30.5	1.11	1356	1356
20	1.31	29.8	57.6	68.6	77.5	79.2	82.5	88.3	92.6	94.0	92.6	92.2	97.6	98.5	84.5	66.6	30.1	1.25	1235	1234
10	1.30	26.6	45.6	53.6	60.9	62.2	68.8	75.4	79.7	80.4	77.2	72.1	70.4	78.3	66.2	54.8	27.1	1.25	1002	1001
0	1.16	21.9	36.0	41.3	44.5	45.8	49.7	53.5	56.0	56.2	54.5	51.7	49.6	55.3	50.8	44.2	23.0	1.16	736	735
-10	0.98	17.8	29.7	29.8	30.3	31.5	34.6	37.4	39.4	39.8	38.8	36.7	34.8	37.6	36.6	36.3	19.0	1.02	532	531
-20	0.77	14.0	24.7	20.5	21.6	24.2	27.9	31.1	33.1	33.4	31.9	29.4	27.5	26.6	25.5	29.9	15.2	0.87	418	417
-30	0.60	10.6	19.9	14.5	17.3	21.1	24.7	27.5	29.2	29.2	27.8	25.9	24.7	20.7	18.6	24.3	11.4	0.69	349	347
-40	0.43	7.25	15.4	11.4	14.4	18.8	23.3	25.3	26.5	26.6	25.7	24.5	21.4	16.4	14.6	18.6	7.80	0.52	299	293
-50	0.29	4.17	10.4	8.94	11.3	15.4	20.1	21.9	22.9	23.0	22.2	20.9	16.3	12.4	11.5	12.2	4.43	0.36	239	191
-60	0.18	1.82	5.03	5.97	7.44	10.0	12.9	14.5	15.4	15.3	14.6	13.3	10.5	8.27	7.64	5.67	1.99	0.24	151	11.9
-70	0.14	0.66	1.61	2.80	3.60	4.89	6.22	6.90	7.27	7.32	6.99	6.38	5.19	4.27	3.42	1.79	0.75	0.17	70.4	0.00
-80	0.13	0.37	0.62	1.01	1.33	1.70	2.04	2.14	2.17	2.21	2.22	2.15	1.90	1.61	1.10	0.69	0.43	0.15	24.0	0.00
-90	0.13	0.37	0.62	1.01	1.33	1.70	2.04	2.14	2.17	2.21	2.22	2.15	1.90	1.61	1.10	0.69	0.43	0.15	24.0	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	10.9	237	538	610	643	654	683	713	738	752	757	760	770	795	753	613	242	11.1	10279	---
Φ a	4.49	227	527	582	608	622	650	680	705	717	724	729	738	761	734	602	231	3.89	---	9846

one-half-peak spread: U:28.3,D:36.4 , L:8.2,R:9.9

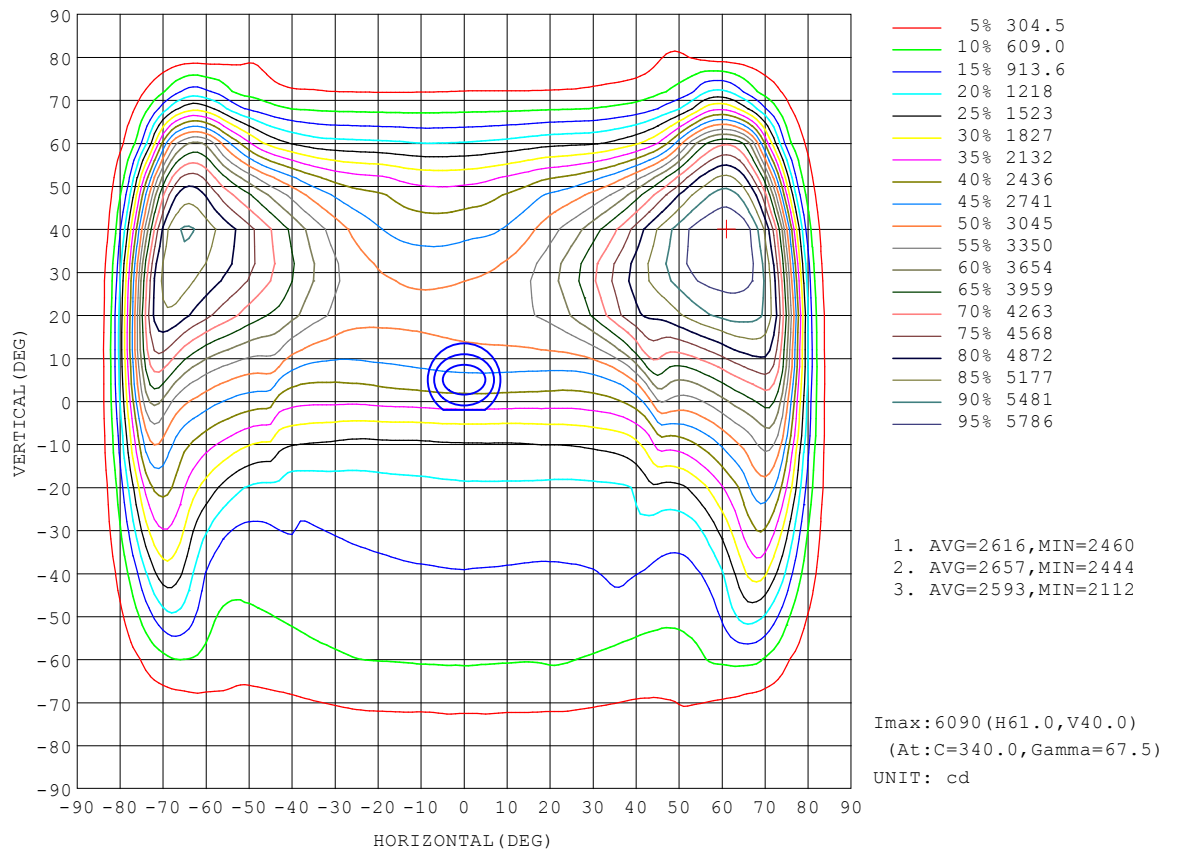
NEMA Beam Type: Type 7

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

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:0.3257A P:70.92W PF:0.9859 Freq:49.99Hz Lamp Flux:10279.1x1 lm		
NAME: LUX-AL-70-TypeII/III-SCL-PC-C16473	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:SCL-PC

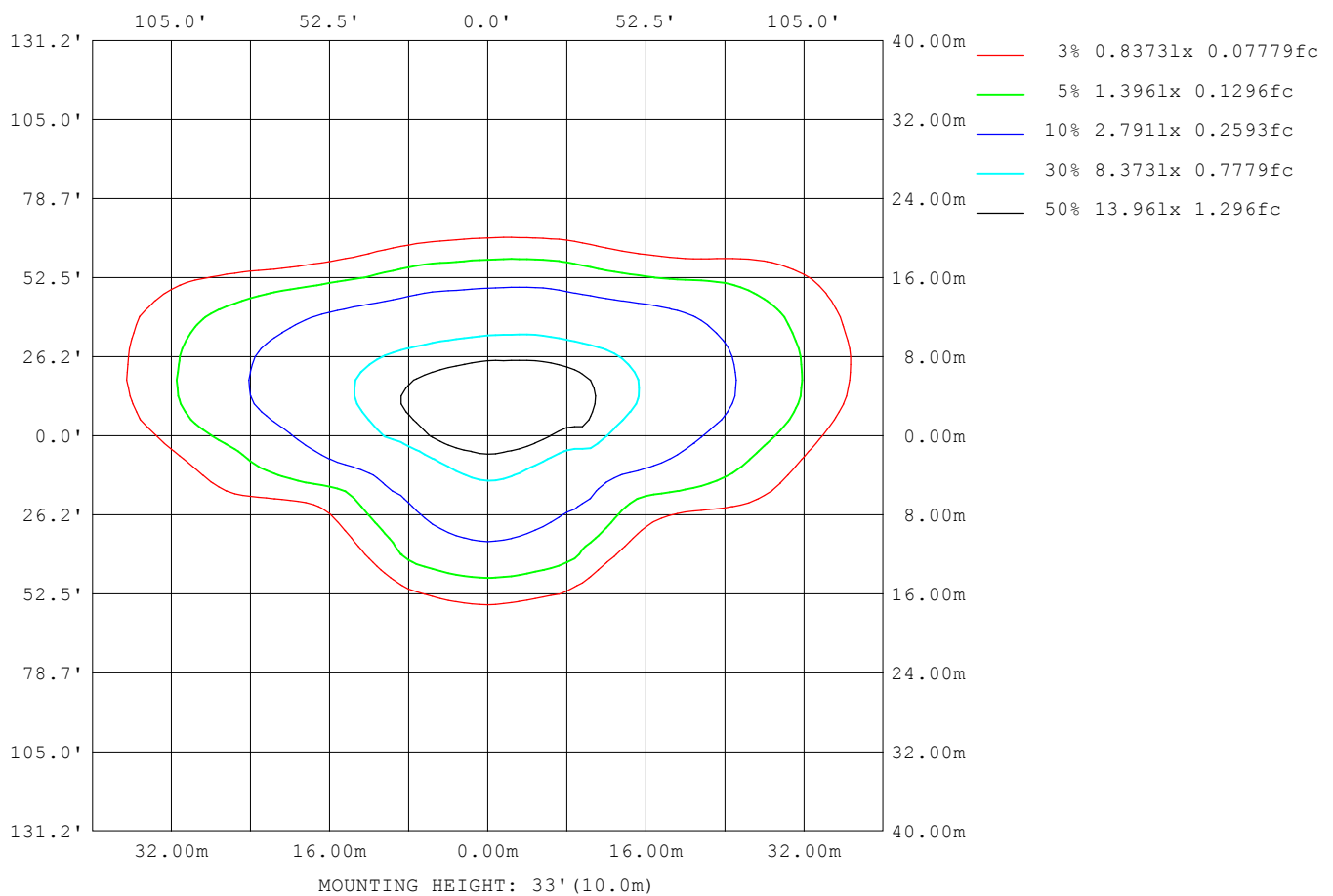


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

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:

ISOLUX DIAGRAM

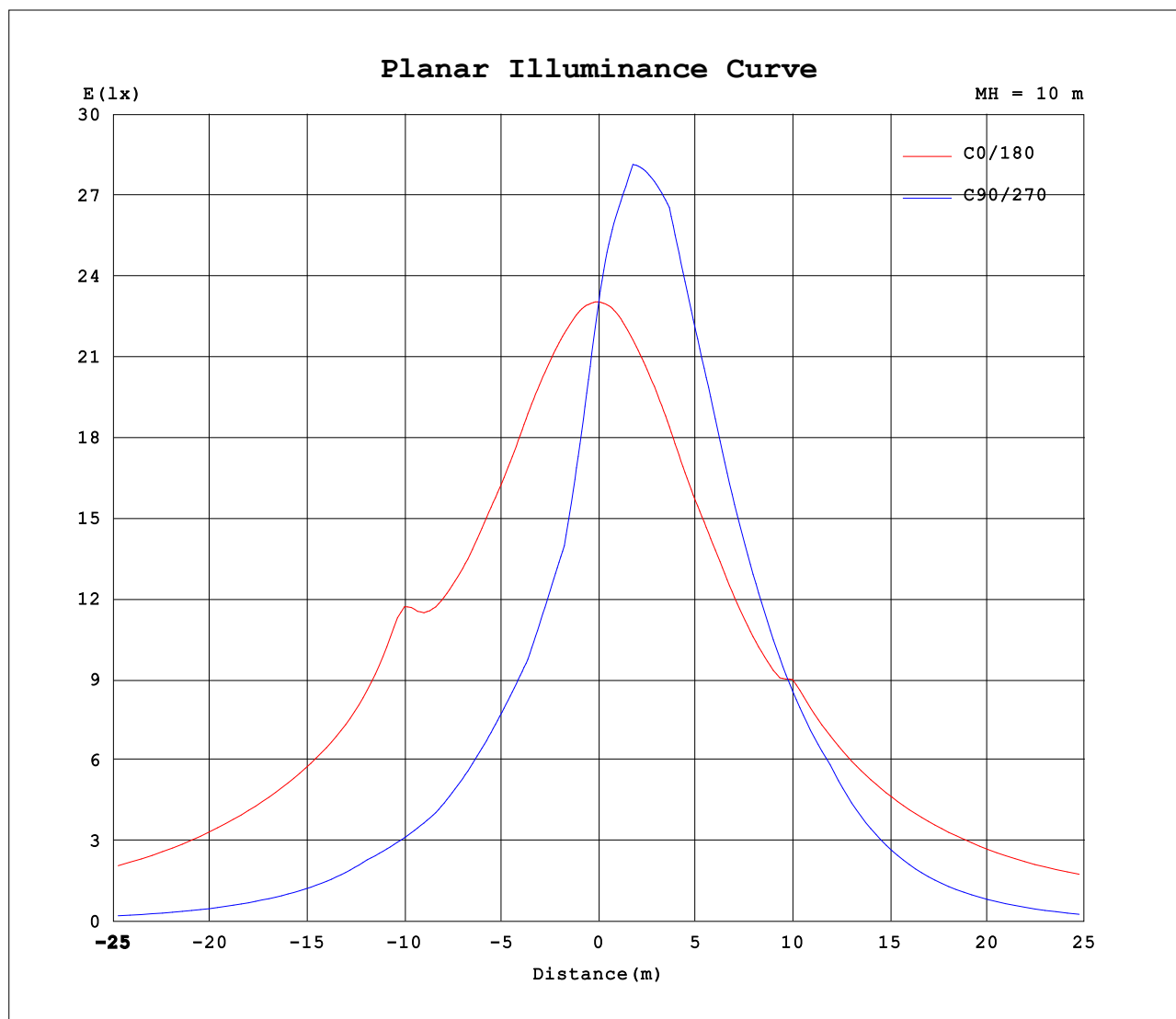
Test:U:220.9V I:0.3257A P:70.92W PF:0.9859 Freq:49.99Hz Lamp Flux:10279.1x1 lm		
NAME: LUX-AL-70-TypeII/III-SCL-PC-C16473	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:SCL-PC



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

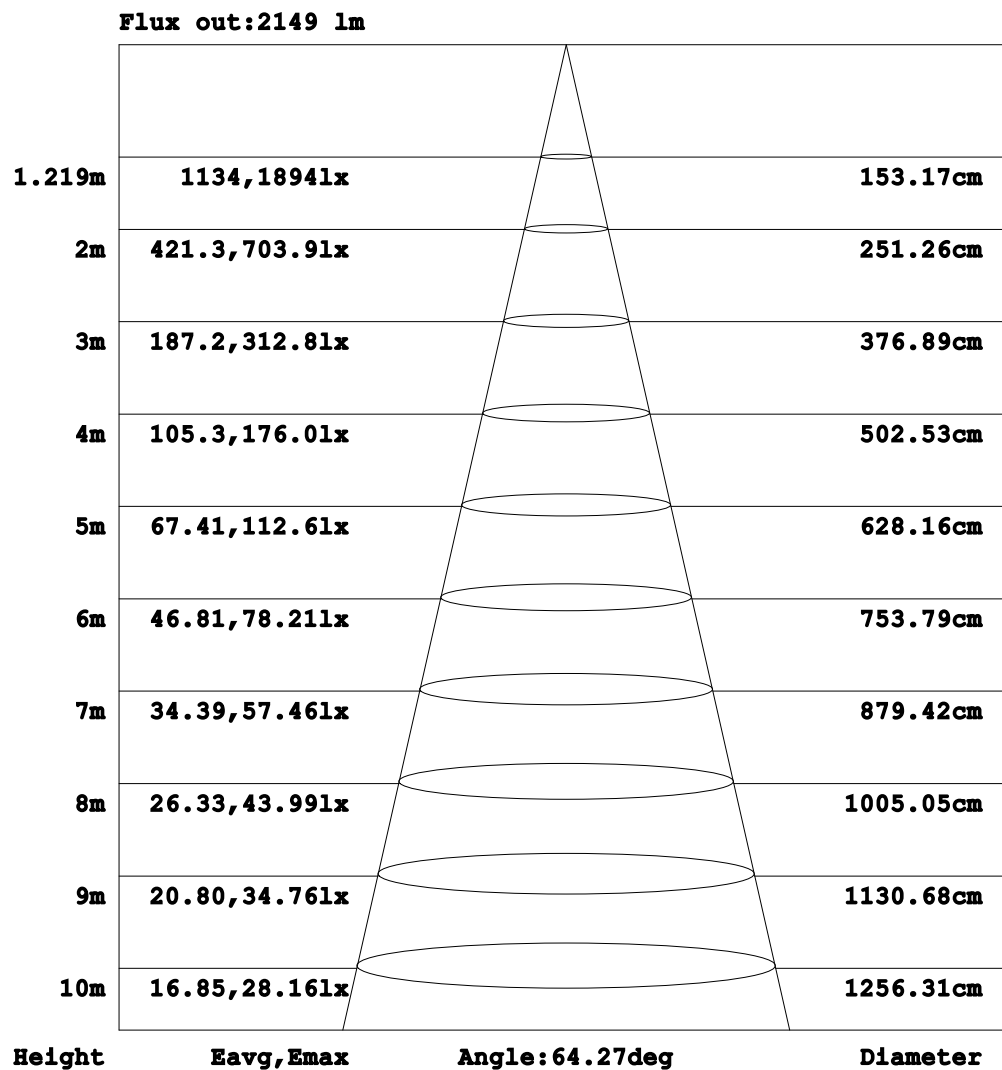


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

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:

AAI Figure

Test:U:220.9V I:0.3257A P:70.92W PF:0.9859 Freq:49.99Hz Lamp Flux:10279.1x1 lm		
NAME: LUX-AL-70-TypeII/III-SCL-PC-C16473	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:SCL-PC



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.3257A P:70.92W PF:0.9859 Freq:49.99Hz Lamp Flux:10279.1x1 lm		
NAME: LUX-AL-70-TypeII/III-SCL-PC-C16473	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:SCL-PC

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	53.1	51.3	48.5	45.8	43.6	42.0	40.9	40.6	40.6	40.5	40.7	41.1	41.3	40.9	40.2	39.4	38.7	38.2	38.2
-85	52.8	51.6	49.5	48.0	47.3	48.2	52.5	57.8	57.8	59.1	61.2	65.3	67.5	70.6	69.4	68.7	68.4	67.9	68.0
-80	52.2	52.1	50.9	51.4	53.0	57.5	69.8	83.7	83.6	86.9	91.8	101	107	115	113	113	113	112	113
-75	51.5	52.9	58.1	77.8	95.4	113	135	151	144	151	162	178	191	205	209	211	211	216	216
-70	50.5	54.2	68.9	118	159	196	232	252	235	248	266	294	318	340	352	359	359	371	370
-65	50.2	56.6	95.8	197	305	361	352	322	305	325	349	380	410	445	459	466	471	481	482
-60	49.6	60.2	136	317	524	608	533	427	409	441	474	510	548	602	618	627	639	644	649
-55	50.3	65.8	185	456	753	806	610	480	475	507	544	593	648	706	713	717	726	730	737
-50	51.3	74.3	258	664	1097	1103	727	560	573	606	650	718	798	861	857	852	856	859	869
-45	52.4	83.8	311	818	1328	1243	795	621	620	654	698	752	804	855	858	860	868	873	882
-40	54.0	98.1	391	1050	1673	1454	897	713	692	727	769	805	811	844	860	873	885	895	901
-35	54.5	109	468	1241	1853	1595	1032	795	752	786	835	839	857	887	905	923	937	949	956
-30	55.2	126	585	1528	2124	1807	1233	917	843	874	933	891	926	950	972	997	1016	1030	1038
-25	53.0	130	656	1717	2285	1938	1424	1107	984	984	975	956	985	1003	1025	1049	1066	1082	1093
-20	49.9	138	762	2001	2527	2135	1711	1392	1194	1150	1037	1054	1073	1082	1104	1126	1140	1160	1176
-15	46.6	145	865	2245	2697	2278	1921	1646	1450	1398	1231	1226	1226	1221	1235	1251	1261	1279	1291
-10	41.7	155	1020	2612	2952	2493	2235	2027	1834	1770	1521	1484	1456	1431	1432	1440	1442	1457	1464
-5	38.8	156	1096	2826	3181	2712	2486	2303	2140	2077	1799	1753	1730	1706	1717	1727	1732	1751	1758
0	35.0	163	1228	3216	3598	3104	2877	2712	2606	2546	2233	2193	2193	2186	2219	2243	2264	2294	2305
5	33.0	161	1282	3447	3949	3424	3167	2990	2871	2846	2483	2414	2412	2429	2466	2509	2541	2575	2593
10	30.7	163	1380	3764	4476	3999	3652	3472	3342	3333	2994	2830	2791	2797	2839	2856	2887	2924	2947
15	29.8	157	1355	3811	4738	4380	4052	3837	3657	3574	3294	3088	2985	2939	2955	2967	2991	3023	3048
20	28.4	147	1316	3881	5131	4951	4653	4384	4130	3936	3745	3475	3276	3153	3128	3135	3147	3171	3200
25	28.1	142	1268	3803	5180	5124	4844	4592	4338	4099	3854	3565	3338	3181	3111	3086	3079	3093	3121
30	27.5	135	1196	3687	5254	5384	5132	4903	4651	4344	4017	3700	3431	3223	3086	3013	2977	2976	3004
35	27.4	124	1070	3415	5120	5439	5210	4939	4654	4316	3967	3631	3344	3115	2959	2867	2824	2822	2859
40	27.3	108	881	3007	4920	5520	5326	4992	4658	4276	3891	3528	3214	2953	2770	2648	2594	2590	2641
45	27.3	88.9	735	2675	4569	5278	5086	4679	4324	3943	3576	3235	2959	2754	2623	2502	2437	2425	2465
50	27.3	60.3	517	2177	4044	4914	4726	4209	3824	3443	3102	2796	2577	2456	2404	2284	2201	2177	2200
55	27.4	50.1	409	1677	3432	4375	4272	3655	3165	2753	2460	2223	2073	1991	1954	1872	1809	1795	1815
60	27.5	34.8	246	925	2513	3566	3591	2825	2178	1718	1496	1364	1316	1293	1279	1254	1221	1223	1236
65	27.7	32.6	185	685	1788	2607	2617	2013	1527	1212	1050	968	934	918	906	890	872	876	887
70	28.0	29.3	93.0	326	700	1169	1155	794	552	452	382	375	360	355	348	345	350	356	364
75	28.4	28.3	67.2	209	454	758	750	557	438	337	270	260	249	244	240	239	243	247	252
80	28.9	27.0	28.6	35.0	85.3	142	144	202	266	164	103	86.8	81.9	77.8	77.5	79.0	82.2	82.2	83.3
85	29.6	27.7	27.7	30.8	60.1	93.1	94.0	128	166	104	67.1	57.2	54.1	51.6	51.3	52.2	54.1	54.1	54.7
90	30.7	28.7	26.5	24.4	22.4	20.4	18.6	16.9	15.5	14.3	13.4	12.8	12.5	12.3	12.1	12.0	11.9	11.9	11.9

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:220.9V I:0.3257A P:70.92W PF:0.9859 Freq:49.99Hz Lamp Flux:10279.1x1 lm		
NAME: LUX-AL-70-TypeII/III-SCL-PC-C16473	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:SCL-PC

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	38.8	39.5	40.5	41.7	42.8	43.8	44.3	44.1	43.2	41.7	40.5	41.2	43.7	46.6	49.8	52.9	55.5	54.4	
-85	69.1	70.2	71.2	72.3	73.7	73.0	72.1	70.8	70.1	67.0	60.6	56.4	53.2	53.3	54.6	55.8	57.0	54.7	
-80	114	116	117	118	120	117	114	111	111	105	90.8	79.2	67.3	63.3	61.9	60.1	59.3	55.1	
-75	218	215	215	213	211	201	190	180	179	190	176	152	128	108	89.6	71.6	61.8	55.3	
-70	374	362	361	354	347	327	305	284	281	318	304	262	219	175	131	88.8	65.6	55.6	
-65	480	470	466	472	456	424	398	371	361	382	412	420	402	336	213	122	70.0	56.3	
-60	640	632	624	647	621	570	538	502	482	479	573	656	676	579	335	172	76.6	57.3	
-55	731	726	722	739	728	686	626	584	555	554	638	776	935	822	472	220	85.0	58.4	
-50	867	867	868	875	889	860	758	707	666	667	734	955	1324	1187	677	291	97.5	60.0	
-45	878	876	873	878	890	878	848	792	737	727	806	1050	1498	1458	865	353	109	61.0	
-40	895	888	881	883	892	905	985	921	844	818	912	1192	1759	1864	1148	445	126	62.6	
-35	950	942	933	927	931	939	995	1016	928	900	1019	1357	1937	2085	1334	507	135	63.0	
-30	1032	1023	1010	994	988	991	1011	1159	1053	1023	1180	1604	2205	2416	1613	601	148	63.7	
-25	1090	1084	1074	1060	1053	1059	1077	1198	1218	1198	1394	1807	2349	2617	1819	677	156	61.5	
-20	1177	1174	1170	1158	1152	1161	1177	1256	1465	1460	1716	2112	2566	2919	2128	793	169	58.3	
-15	1295	1293	1296	1295	1296	1319	1351	1454	1768	1782	2021	2381	2780	3126	2333	870	169	55.3	
-10	1470	1470	1484	1499	1513	1557	1613	1750	2222	2265	2479	2783	3099	3437	2640	986	170	50.8	
-5	1756	1750	1755	1767	1779	1820	1883	2054	2611	2666	2823	3087	3369	3659	2869	1043	175	48.3	
0	2304	2290	2282	2276	2270	2314	2391	2605	3314	3240	3327	3574	3823	4061	3168	1112	172	45.2	
5	2594	2579	2563	2542	2535	2570	2688	2997	3768	3566	3689	3926	4171	4377	3399	1174	175	43.9	
10	2958	2954	2952	2965	2972	3082	3351	3894	4290	4133	4291	4532	4778	4875	3666	1202	170	43.1	
15	3066	3078	3102	3153	3253	3451	3786	4259	4548	4534	4732	4942	5112	5093	3773	1208	169	43.3	
20	3230	3266	3327	3436	3675	4005	4439	4807	4935	5136	5393	5558	5614	5419	3935	1217	166	43.7	
25	3160	3221	3329	3495	3758	4111	4530	4897	5114	5362	5600	5722	5734	5430	3827	1162	155	44.1	
30	3056	3155	3331	3583	3883	4270	4666	5033	5381	5701	5911	5967	5915	5447	3665	1080	139	44.6	
35	2905	3004	3186	3441	3733	4092	4485	4895	5305	5665	5926	6015	5940	5310	3436	951	129	44.4	
40	2679	2778	2969	3229	3508	3825	4213	4687	5190	5611	5949	6086	5977	5105	3093	758	114	44.2	
45	2513	2619	2790	3003	3212	3477	3814	4259	4773	5247	5641	5849	5663	4721	2621	634	101	43.2	
50	2266	2381	2522	2665	2768	2956	3216	3617	4146	4700	5179	5493	5191	4144	1913	447	80.3	41.9	
55	1867	1952	2061	2170	2244	2368	2565	2881	3338	3982	4625	4978	4688	3447	1467	369	69.0	40.3	
60	1268	1309	1370	1429	1457	1486	1590	1778	2125	2906	3793	4207	3933	2400	797	252	52.2	37.9	
65	907	932	968	1006	1027	1052	1127	1258	1520	2058	2792	3141	2794	1671	593	190	46.5	36.5	
70	365	365	366	372	381	402	434	478	611	785	1289	1541	1085	578	286	95.7	37.9	34.4	
75	253	253	254	257	263	280	307	343	470	609	868	987	703	387	192	71.0	35.1	33.3	
80	83.7	85.5	85.8	83.8	86.3	96.8	116	141	257	344	237	156	130	100	51.5	33.9	31.0	31.6	
85	55.0	56.1	56.2	55.1	56.7	63.1	74.7	90.1	160	213	149	101	86.0	69.1	40.8	31.0	30.0	30.9	
90	11.8	11.9	11.9	12.0	12.2	12.4	12.7	13.3	14.1	15.3	16.7	18.4	20.5	22.6	24.7	26.7	28.4	29.7	

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: