

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	559.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	143.7V x 166.0H
	At 50% of Imax	68.6V x 156.6H
	At 90% of Imax	28.8V x 151.6H

Beam Flux	Total	1000.1 lumens per klm.
	To 10% of Imax	961.7 lumens per klm.
	To 50% of Imax	530.7 lumens per klm.
	To 90% of Imax	56.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

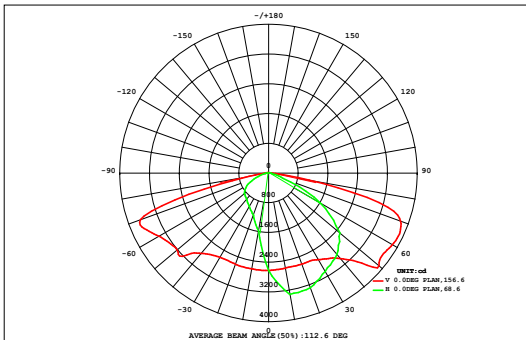
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-11-01

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:0.3265A P:71.11W PF:0.9858 Freq:49.99Hz Lamp Flux:11265.9x1 lm		
NAME: LUX-AL-70-TypeII-III-SCL-C15021	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:158.43lm/W	
MODEL	LED	Imax(cd)	6298
NOMINAL POWER(W)	70	AVAILABILITY(%)	96.2
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	10834
NOMINAL FLUX(lm)	11265.9	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	11266
TEST VOLTAGE(V)	230	θ @50% (H,V)	157,69DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.08	0.27	0.66	2.08	2.02	1.57	1.55	1.75	1.79	1.84	1.87	1.80	2.08	3.15	2.38	0.69	0.30	0.09	26.0	0.00
90	0.08	0.27	0.66	2.08	2.02	1.57	1.55	1.75	1.79	1.84	1.87	1.80	2.08	3.15	2.38	0.69	0.30	0.09	26.0	0.00
80	0.09	0.97	5.28	8.63	7.55	7.00	7.01	7.52	7.66	7.85	8.06	8.09	8.61	10.7	14.0	6.80	1.00	0.12	117	24.3
70	0.15	4.37	26.5	33.1	28.5	27.7	28.8	29.7	29.8	31.3	32.7	32.5	33.4	39.5	48.2	28.3	3.51	0.16	458	430
60	0.22	10.1	51.8	68.7	65.4	62.6	63.1	62.9	61.9	65.4	69.5	70.1	72.7	80.9	84.6	57.8	11.1	0.28	959	957
50	0.45	20.3	67.2	87.3	90.3	86.7	83.0	80.7	80.7	85.4	91.8	97.5	105	111	103	70.3	16.8	0.36	1277	1276
40	0.49	23.3	72.0	94.6	102	98.4	91.6	87.8	88.6	92.0	99.4	111	121	122	108	76.5	25.0	0.64	1413	1412
30	0.84	28.4	70.3	88.2	98.9	99.5	95.3	93.2	95.2	98.0	104	114	126	123	102	72.2	24.3	0.62	1434	1433
20	0.70	24.9	61.7	77.2	91.2	93.7	93.4	96.0	99.5	101	100	102	107	110	89.5	64.1	26.0	0.93	1339	1338
10	0.97	23.9	50.2	63.5	74.6	75.8	80.3	86.8	90.5	90.6	87.4	83.1	83.1	88.3	73.9	53.5	21.3	0.74	1128	1127
0	0.63	18.2	42.1	51.5	57.4	57.3	59.8	62.1	63.2	63.0	61.8	60.2	59.8	64.6	59.6	46.1	21.1	1.02	849	848
-10	0.75	16.7	36.1	40.5	39.6	37.6	38.9	40.6	41.7	42.0	41.5	40.1	40.3	46.7	47.0	40.0	16.6	0.71	607	606
-20	0.49	12.0	31.4	30.7	26.8	26.4	29.3	31.9	33.6	33.9	32.5	30.1	28.3	30.9	33.8	33.9	14.9	0.78	462	460
-30	0.50	9.81	25.4	20.8	19.0	22.1	25.7	28.3	29.7	29.7	28.5	26.3	25.1	23.1	25.0	28.4	10.1	0.50	378	376
-40	0.29	5.42	19.5	16.0	15.2	19.1	23.9	26.3	26.8	27.0	26.8	25.2	22.2	18.0	17.9	21.5	7.51	0.46	319	315
-50	0.25	3.20	11.6	11.4	11.7	15.4	21.1	22.7	23.1	23.5	23.5	22.6	17.2	13.6	14.4	13.5	3.53	0.29	252	209
-60	0.17	1.11	4.39	7.09	7.52	9.68	13.3	14.9	15.5	15.8	15.3	14.6	11.0	9.07	8.85	5.85	1.70	0.24	156	22.9
-70	0.16	0.54	1.26	2.70	3.43	4.46	5.88	6.55	6.83	6.87	6.70	6.19	5.06	4.51	3.57	1.68	0.69	0.19	67.3	0.00
-80	0.14	0.41	0.63	0.88	1.20	1.47	1.78	1.91	1.94	1.98	2.01	1.99	1.77	1.52	1.10	0.75	0.48	0.17	22.1	0.00
-90	0.14	0.41	0.63	0.88	1.20	1.47	1.78	1.91	1.94	1.98	2.01	1.99	1.77	1.52	1.10	0.75	0.48	0.17	22.1	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	7.36	204	578	705	742	746	764	782	798	817	833	847	870	900	837	622	206	8.29	11266	---
Φ a	2.61	191	567	680	707	711	731	750	765	784	801	816	835	868	820	611	193	2.75	---	10834

one-half-peak spread: U:19.2,D:49.7 , L:9.2,R:14.5

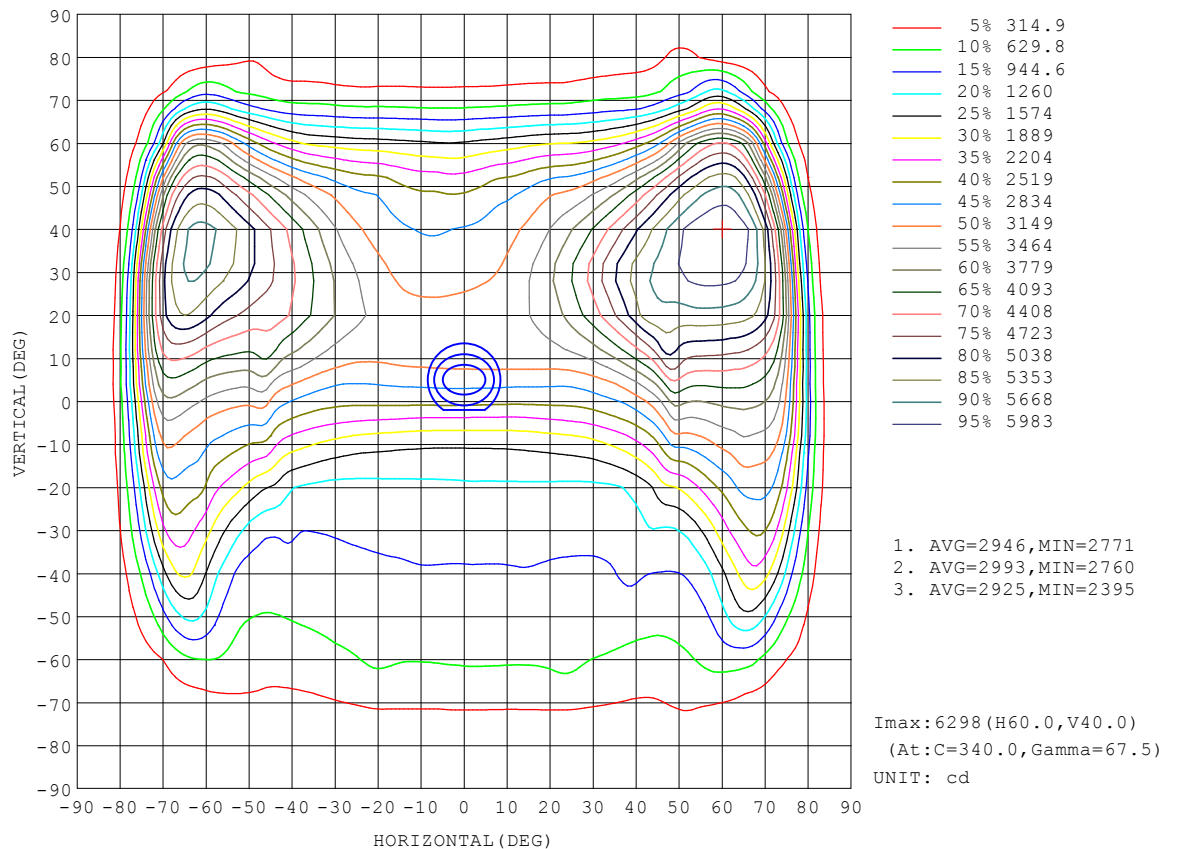
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-11-01

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:0.3265A P:71.11W PF:0.9858 Freq:49.99Hz Lamp Flux:11265.9x1 lm		
NAME: LUX-AL-70-TypeII-III-SCL-C15021	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:SCL-PC

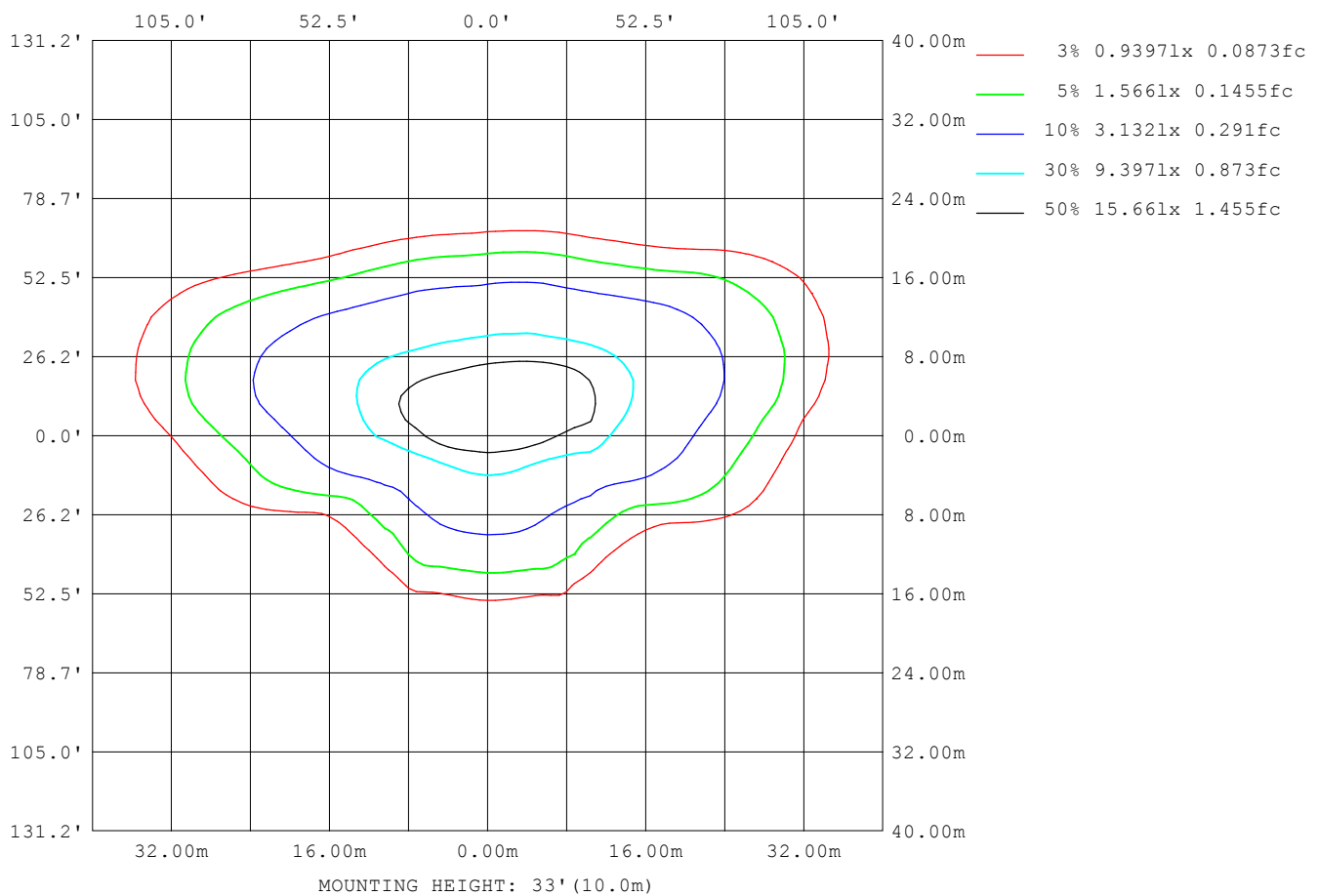


H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-11-01

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

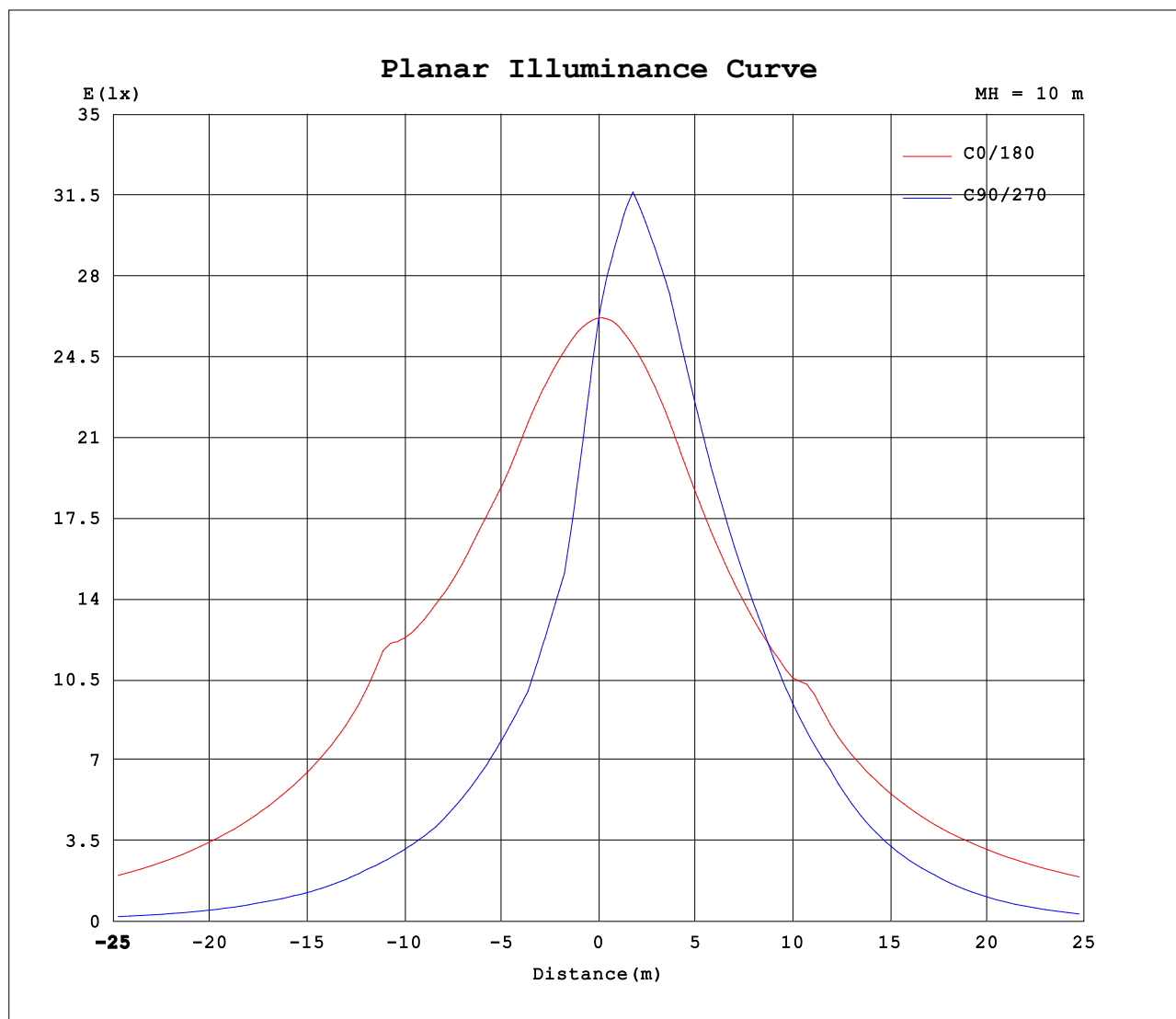
Test:U:220.9V I:0.3265A P:71.11W PF:0.9858 Freq:49.99Hz Lamp Flux:11265.9x1 lm		
NAME: LUX-AL-70-TypeII-III-SCL-C15021	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:SCL-PC



H(θ) Range:-90 - 90DEG
H(θ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-11-01

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

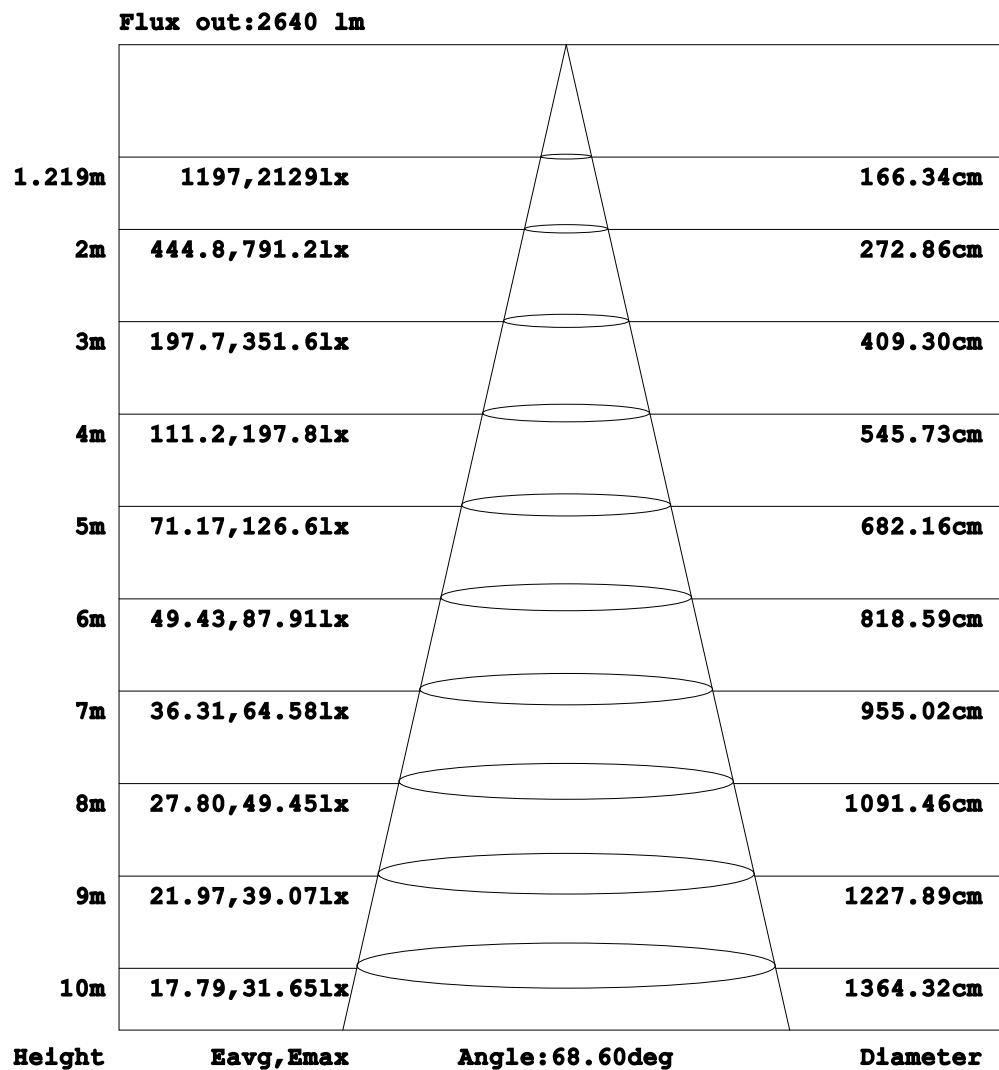


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-11-01

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:0.3265A P:71.11W PF:0.9858 Freq:49.99Hz Lamp Flux:11265.9x1 lm		
NAME: LUX-AL-70-TypeII-III-SCL-C15021	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(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-11-01

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:0.3265A P:71.11W PF:0.9858 Freq:49.99Hz Lamp Flux:11265.9x1 lm		
NAME: LUX-AL-70-TypeII-III-SCL-C15021	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	55.1	54.0	51.7	49.3	47.2	45.3	43.9	43.2	42.9	43.0	43.0	43.1	42.9	42.3	41.6	40.9	40.3	40.0	40.1
-85	55.0	54.6	52.9	51.7	50.6	49.6	49.6	52.3	54.8	55.6	56.7	59.2	61.7	63.9	64.1	62.9	62.4	62.5	63.0
-80	55.7	55.3	54.9	55.1	55.5	55.8	56.9	61.7	72.2	73.8	75.9	80.3	87.4	94.8	97.1	96.7	95.6	95.7	96.8
-75	55.4	56.3	58.8	64.1	72.6	84.3	111	135	150	141	143	155	172	187	199	199	198	199	202
-70	55.2	60.0	68.9	84.8	109	147	219	256	263	240	250	280	310	337	352	352	352	359	359
-65	55.5	63.3	86.0	141	229	333	382	372	338	323	342	372	411	466	487	469	471	482	488
-60	54.0	61.5	85.7	177	318	557	630	582	477	440	466	498	538	610	706	653	647	661	678
-55	54.1	64.4	106	266	529	856	856	664	543	511	540	576	633	710	795	746	731	737	749
-50	58.0	83.1	220	536	1076	1347	1024	694	626	627	666	718	806	900	919	868	852	852	860
-45	59.1	90.4	276	700	1350	1557	1150	780	687	692	728	755	820	891	912	887	881	878	883
-40	56.2	75.3	209	662	1468	1945	1564	1071	793	781	803	845	824	865	894	908	925	919	916
-35	56.5	77.3	250	810	1738	2108	1734	1247	930	855	879	881	882	915	937	949	965	967	968
-30	61.5	123	544	1504	2356	2214	1799	1350	1040	977	935	951	980	996	1005	1016	1032	1043	1048
-25	59.0	126	600	1689	2516	2387	1992	1603	1293	1172	1054	1039	1047	1057	1069	1080	1092	1103	1111
-20	52.0	75.2	380	1383	2620	2678	2484	2101	1799	1561	1274	1192	1150	1147	1158	1171	1179	1188	1200
-15	48.9	72.7	419	1567	2829	2830	2636	2333	2086	1878	1572	1467	1397	1367	1358	1350	1345	1345	1352
-10	45.8	148	868	2513	3171	2995	2779	2615	2482	2150	1962	1828	1735	1678	1642	1607	1585	1581	1581
-5	42.6	145	921	2685	3371	3165	2979	2859	2807	2484	2294	2179	2103	2052	2016	1986	1965	1963	1960
0	38.0	62.3	534	2219	3670	3619	3406	3269	3214	3115	2820	2685	2619	2600	2611	2618	2617	2623	2620
5	35.9	64.7	586	2430	3924	3906	3686	3563	3523	3471	3160	2969	2855	2825	2843	2870	2884	2903	2906
10	33.4	165	1180	3590	4453	4313	4092	4018	4077	3896	3632	3422	3264	3219	3241	3263	3280	3303	3316
15	32.2	152	1153	3717	4755	4711	4447	4305	4273	4145	3872	3629	3428	3319	3263	3261	3269	3289	3307
20	30.9	53.4	547	2843	4900	5354	5124	4814	4627	4559	4365	4054	3774	3548	3351	3266	3253	3259	3282
25	30.6	51.8	520	2792	4932	5497	5351	5055	4825	4654	4412	4076	3767	3519	3315	3197	3158	3157	3184
30	29.5	120	1000	3867	5396	5764	5594	5307	4990	4672	4338	3959	3636	3383	3187	3051	3003	3013	3057
35	29.4	107	877	3580	5268	5758	5632	5329	4986	4626	4254	3860	3526	3277	3092	2971	2924	2941	2984
40	30.0	41.7	319	1926	4528	5580	5774	5502	5138	4724	4297	3876	3489	3203	3009	2884	2815	2814	2856
45	30.1	39.7	276	1597	4131	5260	5479	5194	4806	4389	3980	3615	3295	3060	2917	2781	2694	2681	2703
50	29.2	64.4	406	2030	4217	4980	4973	4558	4146	3728	3378	3129	2936	2810	2728	2571	2511	2452	2514
55	29.3	55.3	322	1513	3484	4455	4422	3954	3494	3092	2787	2596	2459	2370	2310	2201	2149	2105	2162
60	30.3	32.7	105	435	1556	3386	3697	3310	2711	2268	1983	1824	1766	1720	1696	1659	1622	1586	1606
65	30.5	31.7	82.0	323	1074	2319	2621	2314	1879	1571	1372	1278	1234	1196	1183	1161	1135	1113	1126
70	29.7	33.4	75.8	232	454	879	967	718	590	487	455	455	424	409	413	409	403	404	409
75	30.0	31.8	58.4	156	298	558	639	529	463	353	327	318	295	286	291	290	285	286	290
80	31.5	29.3	30.6	36.5	56.0	70.2	111	204	283	184	139	122	105	102	105	111	110	109	110
85	32.1	29.9	29.8	32.5	43.3	50.9	74.3	130	177	116	89.2	78.6	68.0	66.4	68.4	71.7	71.2	70.4	71.2
90	32.1	29.9	27.8	25.6	23.3	21.2	19.1	17.3	15.8	14.7	13.9	13.4	13.2	13.0	13.0	12.9	12.9	12.8	12.9

H(θ) Range:-90 - 90DEG

H(θ) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2023-11-01

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:0.3265A P:71.11W PF:0.9858 Freq:49.99Hz Lamp Flux:11265.9x1 lm																		
NAME: LUX-AL-70-TypeII-III-SCL-C15021										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	40.7	41.4	42.3	43.4	44.4	45.2	45.6	45.3	44.7	43.9	44.2	45.8	48.4	52.2	55.6	58.4	59.7	59.3	
-85	64.1	64.9	66.5	68.4	69.8	68.7	68.2	67.8	68.7	65.1	60.6	57.4	57.5	59.3	61.0	61.8	61.5	59.6	
-80	98.1	99.6	102	105	107	107	102	101	104	102	90.4	77.7	72.2	70.1	69.8	68.0	65.7	60.9	
-75	202	202	203	206	206	198	187	176	181	203	189	162	130	103	88.5	77.3	69.5	61.6	
-70	357	354	357	357	347	327	303	284	321	367	319	266	185	138	105	84.2	69.6	60.3	
-65	485	480	485	514	484	436	404	381	404	457	485	467	389	250	161	97.6	73.0	60.3	
-60	680	673	672	709	746	623	573	537	518	561	671	772	738	536	315	156	89.8	65.8	
-55	754	754	761	800	823	739	675	622	598	638	749	926	1049	824	452	203	97.1	67.0	
-50	868	882	905	951	920	901	790	734	722	798	938	1341	1494	1016	508	178	87.6	61.6	
-45	888	900	913	934	912	904	870	824	806	867	1050	1490	1746	1299	637	216	91.6	61.9	
-40	917	922	931	914	902	900	938	1003	938	942	1064	1508	2010	1990	1181	465	134	71.9	
-35	968	967	967	953	945	944	975	1045	1052	1055	1253	1724	2187	2209	1395	533	143	72.3	
-30	1040	1030	1017	1010	1010	1015	1046	1202	1187	1318	1727	2237	2552	2328	1208	362	102	63.8	
-25	1105	1100	1090	1083	1079	1088	1133	1302	1448	1599	1992	2428	2706	2515	1400	410	103	61.7	
-20	1204	1205	1202	1197	1184	1189	1225	1359	1686	1911	2239	2583	2917	2921	2249	841	183	68.3	
-15	1355	1361	1373	1386	1395	1423	1501	1665	2004	2309	2549	2836	3111	3075	2422	906	184	64.7	
-10	1588	1607	1644	1687	1730	1822	1990	2236	2732	2916	3091	3274	3369	3204	2033	539	95.3	52.0	
-5	1959	1962	1994	2037	2091	2197	2354	2597	3082	3267	3369	3499	3544	3385	2185	570	94.0	49.6	
0	2607	2594	2594	2607	2615	2688	2806	3004	3370	3875	3779	3851	3886	3780	3079	1110	187	53.3	
5	2904	2889	2879	2872	2879	2973	3133	3404	3827	4278	4122	4156	4144	3982	3168	1079	175	51.1	
10	3328	3336	3342	3354	3440	3627	3913	4289	5017	4726	4669	4617	4507	4116	2458	542	82.8	46.1	
15	3331	3361	3410	3501	3684	3948	4311	4758	5243	5055	5028	4981	4857	4386	2528	534	80.8	46.3	
20	3318	3371	3458	3623	3912	4266	4706	5235	5595	5530	5570	5551	5468	5126	3763	1068	163	50.6	
25	3229	3311	3457	3677	4002	4397	4859	5351	5667	5722	5806	5796	5683	5235	3710	991	149	50.7	
30	3129	3307	3566	3901	4311	4793	5278	5643	5866	6088	6175	6132	5836	4903	2317	407	71.4	48.0	
35	3068	3229	3466	3775	4145	4588	5057	5460	5780	6072	6208	6183	5846	4763	2109	368	69.5	48.0	
40	2930	3049	3227	3470	3766	4115	4542	5001	5472	5909	6191	6298	6096	5216	3026	622	103	50.3	
45	2802	2919	3089	3301	3511	3799	4171	4615	5104	5580	5915	6071	5814	4816	2547	512	92.0	49.1	
50	2685	2767	2960	3080	3192	3428	3772	4234	4771	5266	5628	5709	5018	3374	955	186	57.9	46.1	
55	2290	2367	2512	2601	2680	2864	3142	3541	4078	4690	5110	5173	4415	2646	727	151	54.4	44.5	
60	1674	1737	1813	1872	1896	1967	2114	2365	2773	3530	4173	4431	4020	2358	683	184	58.8	42.5	
65	1169	1211	1263	1302	1324	1387	1487	1645	1941	2483	3041	3304	2830	1591	487	139	53.4	40.8	
70	414	429	442	447	488	535	549	600	776	1035	1558	1444	763	318	131	56.6	41.1	38.8	
75	294	305	313	315	341	375	396	433	595	773	1029	912	490	216	96.8	49.3	38.7	37.6	
80	111	115	120	118	118	128	152	175	236	395	298	150	88.6	68.2	50.8	40.6	36.0	35.0	
85	72.0	74.2	77.1	76.2	76.4	82.2	97.0	111	148	244	186	98.1	62.0	50.7	41.3	36.1	34.1	34.1	
90	12.9	13.0	13.1	13.3	13.7	14.0	14.5	15.2	16.3	17.6	19.2	21.0	23.1	25.5	27.9	30.0	31.8	33.3	

H(θ) Range:-90 - 90DEG
H(θ) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-11-01
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: