

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	555.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	141.8V x 166.8H
	At 50% of Imax	67.5V x 158.5H
	At 90% of Imax	23.6V x 154.1H

Beam Flux	Total	999.8 lumens per klm.
	To 10% of Imax	962.3 lumens per klm.
	To 50% of Imax	529.9 lumens per klm.
	To 90% of Imax	58.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

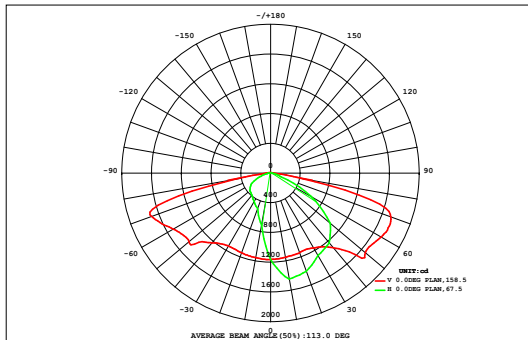
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-27

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:0.1462A P:31.39W PF:0.9718 Freq:49.99Hz Lamp Flux:4898.55x1 lm		
NAME: LUX-AL-30-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:156.08lm/W	
MODEL	LED	Imax(cd)	2723
NOMINAL POWER(W)	30	AVAILABILITY(%)	96.3
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	4717
NOMINAL FLUX(lm)	4898.55	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	4899
TEST VOLTAGE(V)	230	θ @50% (H,V)	158,68DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.03	0.11	0.23	0.89	0.92	0.62	0.57	0.61	0.62	0.63	0.64	0.62	0.72	1.13	1.00	0.26	0.12	0.04	9.74	0.00
90	0.03	0.11	0.23	0.89	0.92	0.62	0.57	0.61	0.62	0.63	0.64	0.62	0.72	1.13	1.00	0.26	0.12	0.04	9.74	0.00
80	0.04	0.42	2.32	4.01	3.15	2.64	2.59	2.75	2.78	2.82	2.85	2.77	3.01	3.89	5.19	2.52	0.42	0.05	44.2	8.59
70	0.05	1.89	12.3	15.0	11.8	10.9	11.4	11.8	11.6	12.0	12.4	12.1	12.2	14.1	18.6	13.1	1.87	0.07	183	172
60	0.10	5.47	24.8	29.9	27.4	26.0	26.3	26.1	25.6	26.6	27.8	28.0	28.5	31.7	34.8	26.0	5.23	0.12	400	399
50	0.18	9.73	30.6	38.6	39.8	38.0	36.2	34.9	34.5	35.9	37.7	39.8	42.2	45.0	43.1	31.8	9.39	0.19	548	547
40	0.29	12.6	32.5	41.7	44.6	43.1	39.9	37.9	37.8	38.9	41.6	45.6	50.3	51.1	46.3	33.8	12.2	0.29	610	610
30	0.38	13.7	31.4	39.7	44.1	44.1	41.9	40.3	40.5	41.3	43.3	47.2	51.9	51.8	44.7	32.7	13.2	0.38	623	622
20	0.44	13.2	27.8	34.5	40.2	41.2	40.9	41.7	43.1	43.6	43.2	43.8	45.9	47.4	39.6	29.1	12.8	0.44	589	589
10	0.46	11.7	22.8	28.3	33.2	33.8	35.3	38.1	39.8	40.0	38.5	36.2	35.7	38.1	32.7	24.4	11.4	0.46	501	501
0	0.44	10.1	18.9	22.8	25.0	25.0	26.4	27.8	28.5	28.4	27.7	26.6	26.0	28.3	26.2	20.6	10.0	0.44	379	379
-10	0.40	8.63	16.4	18.0	17.6	16.5	17.0	17.9	18.4	18.5	18.1	17.2	17.1	20.2	20.7	17.9	8.64	0.40	270	269
-20	0.33	7.11	14.3	13.4	11.5	11.2	12.4	13.6	14.3	14.4	13.7	12.5	11.6	13.4	15.4	15.4	7.20	0.34	202	201
-30	0.25	5.49	12.1	9.48	8.10	9.27	10.8	12.0	12.6	12.6	12.0	10.8	9.95	9.55	10.9	13.0	5.59	0.27	165	164
-40	0.17	3.71	9.79	6.96	6.56	8.27	10.3	11.2	11.5	11.5	11.4	10.4	9.11	7.51	8.06	10.5	3.86	0.19	141	140
-50	0.11	2.05	6.75	5.54	5.19	6.81	9.35	9.96	10.1	10.2	10.2	9.62	7.40	5.84	6.39	7.26	2.14	0.13	115	98.8
-60	0.08	0.80	3.24	3.88	3.55	4.50	6.26	6.77	7.06	7.10	6.85	6.50	4.81	4.06	4.40	3.49	0.90	0.10	74.4	17.1
-70	0.07	0.28	0.91	1.69	1.80	2.21	2.85	3.11	3.18	3.19	3.12	2.90	2.39	2.15	1.95	1.03	0.33	0.08	33.2	0.00
-80	0.07	0.19	0.29	0.48	0.68	0.80	0.95	0.98	0.99	1.00	1.01	1.00	0.89	0.80	0.54	0.33	0.21	0.07	11.2	0.00
-90	0.07	0.19	0.29	0.48	0.68	0.80	0.95	0.98	0.99	1.00	1.01	1.00	0.89	0.80	0.54	0.33	0.21	0.07	11.2	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	3.89	107	267	315	325	325	331	337	343	349	352	354	360	376	360	283	106	4.05	4899	---
Φ a	1.28	103	263	306	309	310	318	324	329	335	339	341	345	361	353	279	101	1.04	---	4717

one-half-peak spread: U:19.9,D:48.0 , L:8.3,R:15.2

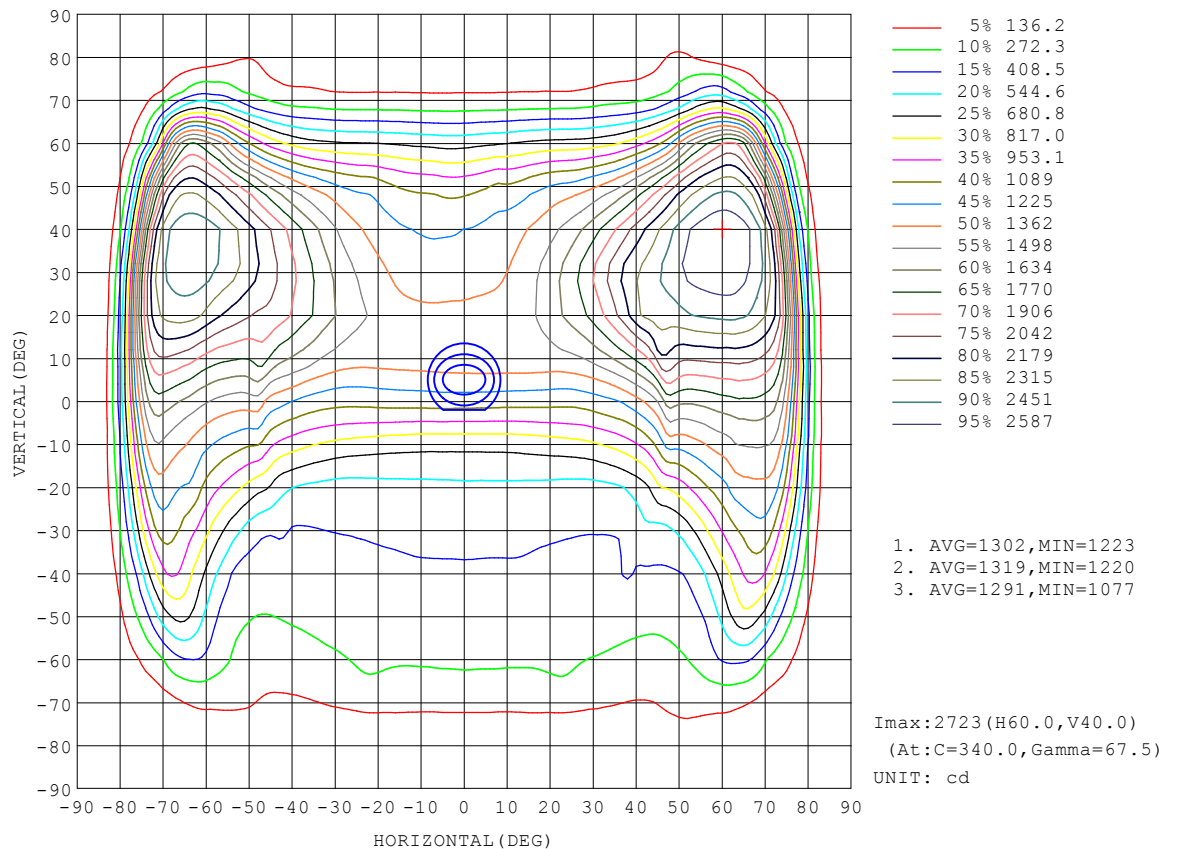
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-27

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:0.1462A P:31.39W PF:0.9718 Freq:49.99Hz Lamp Flux:4898.55x1 lm		
NAME: LUX-AL-30-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

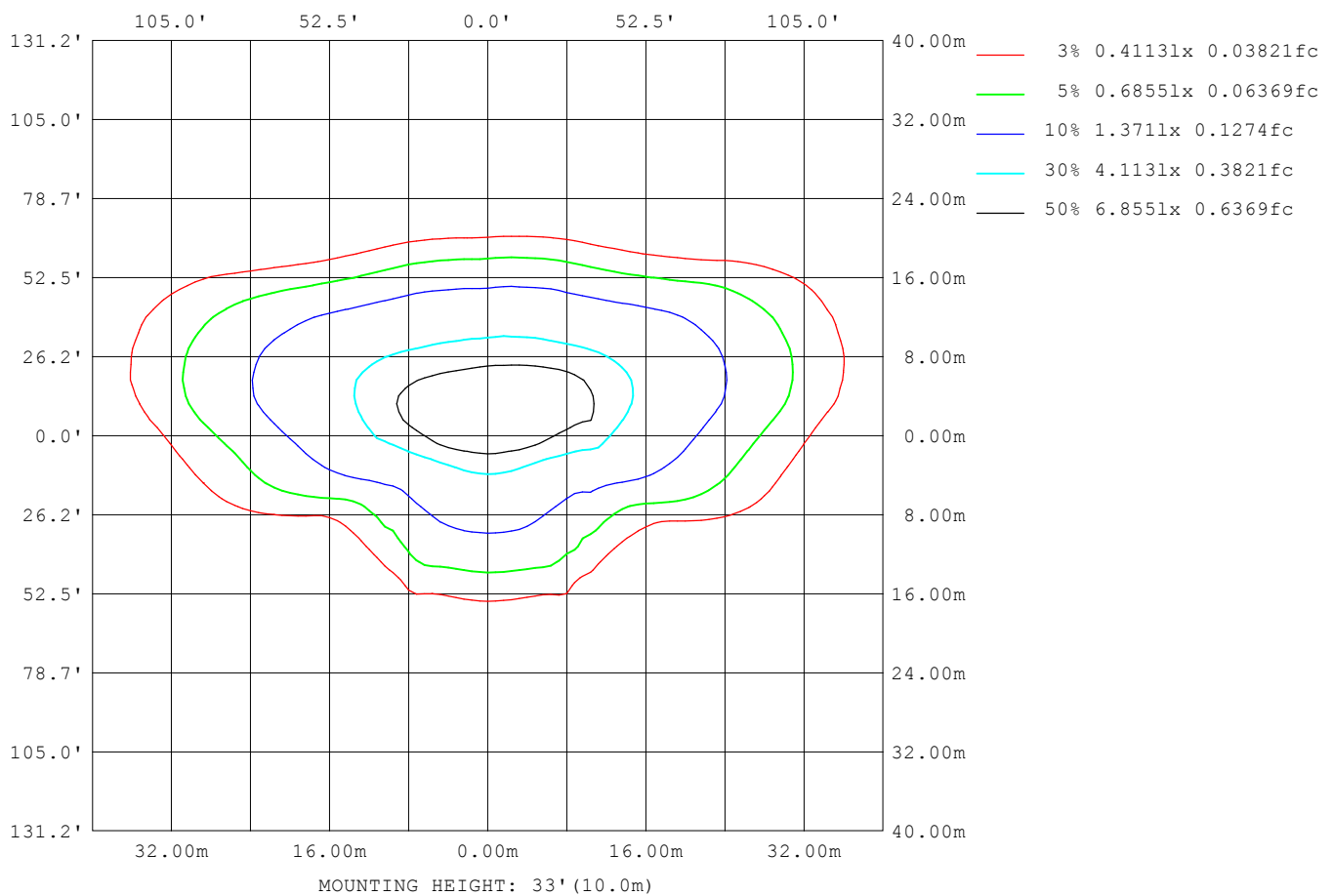


H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-27

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

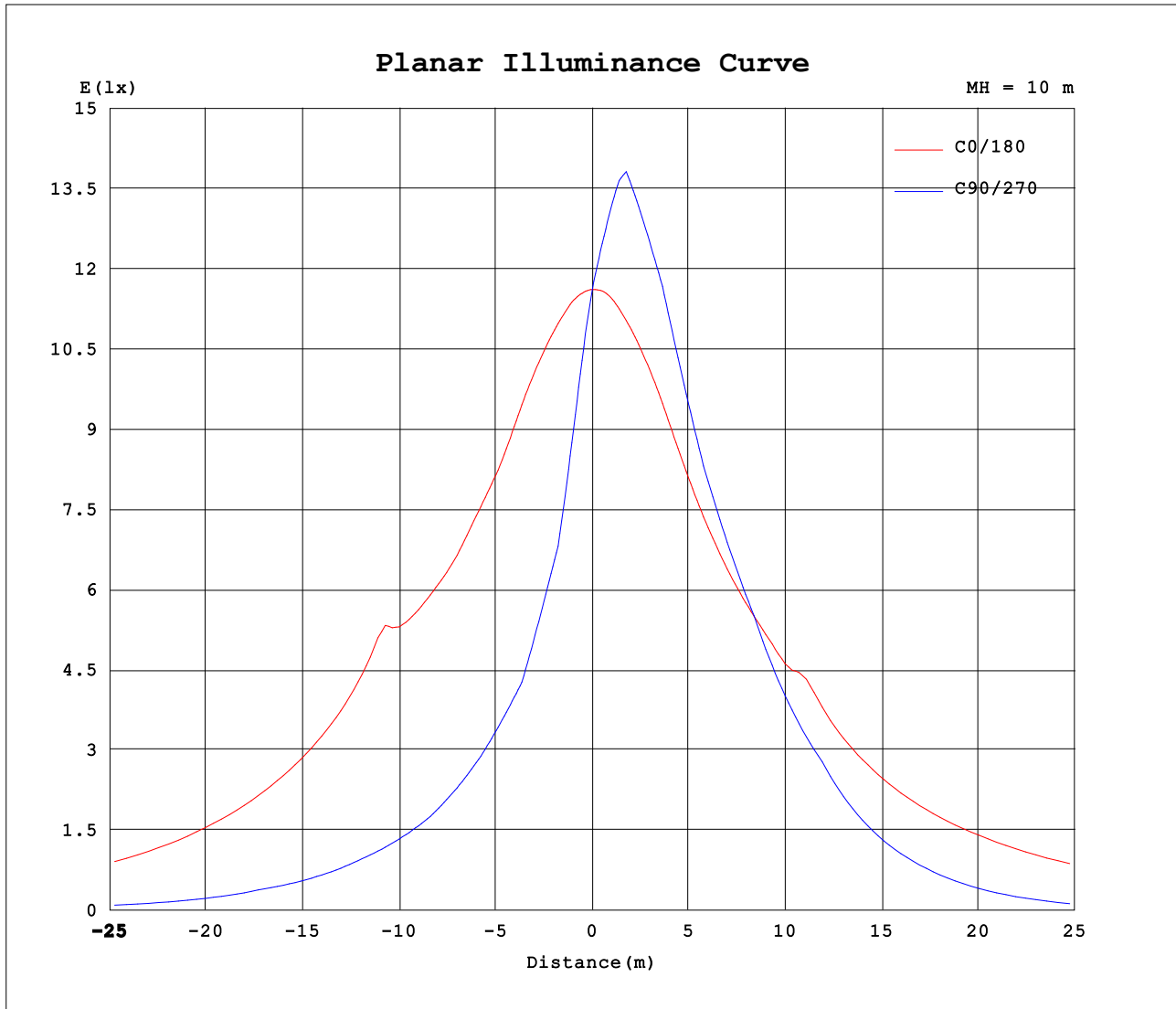
Test:U:220.9V I:0.1462A P:31.39W PF:0.9718 Freq:49.99Hz Lamp Flux:4898.55x1 lm		
NAME: LUX-AL-30-TypeII-III-SCL-C15021	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.1	Shielding Angle:SCL



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-27

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

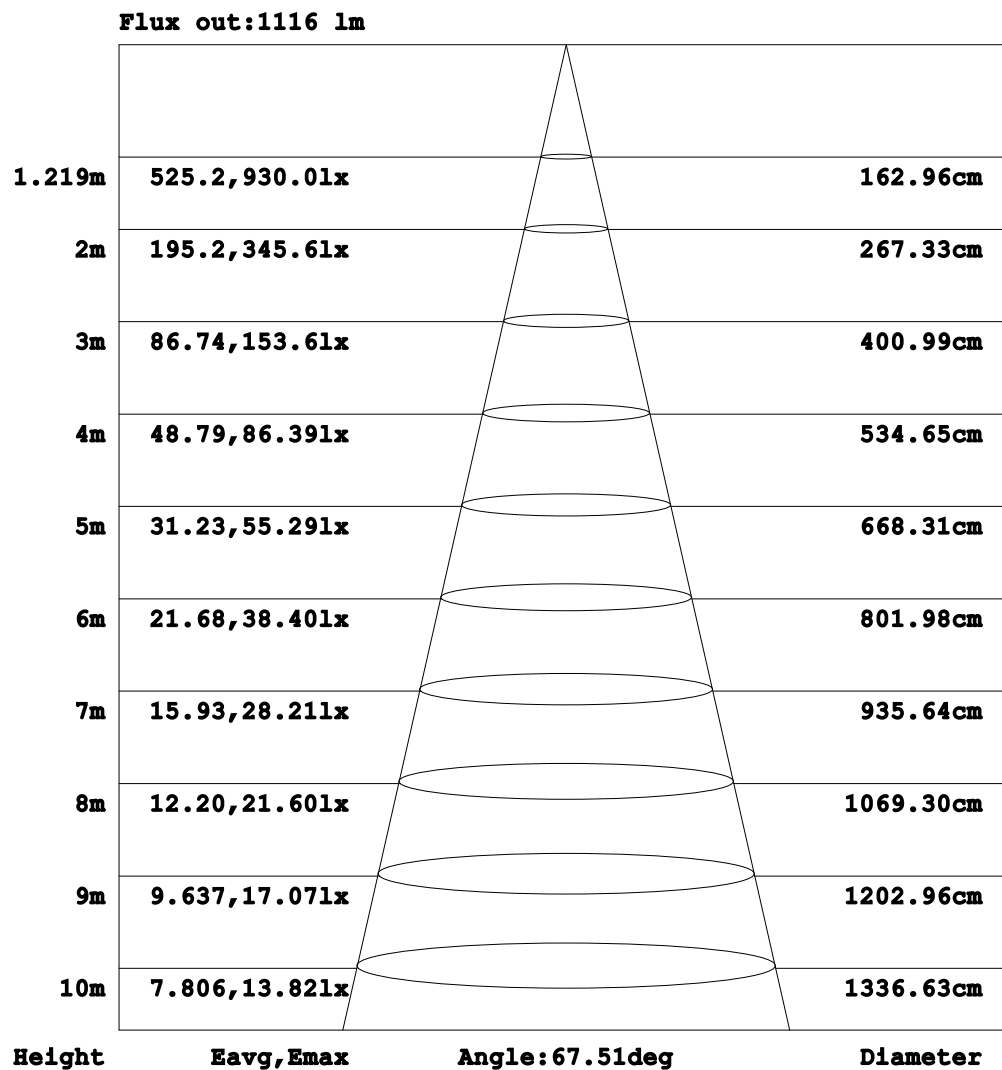


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-27

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:0.1462A P:31.39W PF:0.9718 Freq:49.99Hz Lamp Flux:4898.55x1 lm		
NAME: LUX-AL-30-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: 2023-10-27

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:0.1462A P:31.39W PF:0.9718 Freq:49.99Hz Lamp Flux:4898.55x1 lm								
NAME: LUX-AL-30-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	25.1	24.5	23.7	22.9	21.7	20.8	20.2	19.9	19.8	19.8	19.8	20.0	20.0	19.9	19.5	19.1	18.8	18.7	18.7
-85	25.1	24.8	24.5	24.2	23.6	23.4	24.0	27.7	29.4	30.3	29.5	30.4	31.7	32.9	32.5	31.7	31.3	31.1	31.1
-80	25.1	25.3	25.6	26.2	26.3	27.2	29.7	39.5	43.7	46.1	44.0	46.2	49.3	52.3	52.1	50.4	50.0	49.7	49.8
-75	25.1	26.1	27.9	33.3	45.1	63.7	79.6	86.8	86.1	74.2	73.7	80.1	87.8	94.1	96.3	95.3	94.1	94.7	94.7
-70	25.1	27.1	31.3	43.9	73.4	118	155	158	150	117	118	131	146	157	163	162	160	162	162
-65	25.1	28.2	39.2	86.2	152	232	247	209	176	151	156	170	188	212	226	214	214	218	220
-60	25.1	29.8	51.2	150	271	402	385	285	216	204	214	227	250	295	320	292	295	302	307
-55	25.3	31.5	74.2	215	408	531	437	304	242	231	243	261	289	331	351	325	323	327	331
-50	25.5	34.1	109	314	614	723	516	332	280	271	288	312	346	383	397	375	367	364	366
-45	25.8	36.1	139	393	736	797	572	377	304	296	310	323	349	377	391	380	377	375	376
-40	26.3	39.0	186	513	919	906	654	444	339	335	344	339	353	368	381	388	393	391	392
-35	26.3	41.4	222	621	1013	956	732	522	395	365	362	362	376	388	398	404	410	411	413
-30	26.4	45.0	277	783	1155	1031	848	640	479	410	389	397	410	417	422	428	436	441	444
-25	25.3	45.4	303	869	1216	1105	927	746	596	513	452	443	442	444	451	457	463	468	472
-20	23.7	46.0	342	997	1307	1217	1047	904	773	668	547	511	490	486	494	500	505	509	515
-15	22.1	46.6	373	1090	1373	1277	1129	1009	905	789	678	632	604	591	591	590	589	591	594
-10	19.8	47.4	419	1230	1471	1368	1253	1167	1102	970	874	813	773	750	736	725	715	714	714
-5	18.4	46.1	435	1304	1558	1446	1344	1274	1235	1114	1024	969	936	919	907	898	890	892	890
0	16.6	45.9	470	1438	1705	1614	1511	1445	1434	1306	1225	1162	1134	1132	1144	1151	1155	1163	1162
5	15.6	44.1	477	1515	1829	1752	1645	1583	1581	1477	1393	1309	1257	1243	1253	1264	1271	1281	1284
10	14.5	43.3	493	1666	2041	1974	1856	1792	1783	1769	1633	1547	1457	1414	1414	1422	1428	1439	1447
15	14.0	40.5	478	1718	2160	2137	2026	1935	1891	1865	1738	1633	1530	1465	1431	1416	1416	1423	1431
20	13.4	36.2	455	1796	2337	2380	2280	2148	2053	2009	1895	1763	1638	1540	1457	1408	1399	1400	1407
25	13.2	34.4	433	1779	2380	2443	2372	2247	2135	2047	1916	1768	1631	1522	1435	1375	1352	1349	1356
30	13.0	31.8	400	1753	2444	2537	2510	2394	2259	2103	1948	1776	1621	1495	1402	1326	1281	1273	1280
35	13.0	28.2	343	1587	2408	2540	2518	2393	2244	2079	1912	1735	1576	1452	1362	1293	1255	1249	1258
40	12.9	22.7	258	1339	2354	2545	2530	2392	2222	2043	1856	1673	1509	1387	1301	1243	1217	1214	1226
45	12.9	20.8	216	1125	2187	2436	2402	2252	2076	1885	1705	1549	1416	1317	1252	1189	1160	1147	1155
50	13.0	17.9	153	803	1935	2271	2211	2043	1855	1648	1479	1363	1276	1214	1179	1109	1074	1047	1048
55	13.0	16.8	117	592	1545	2049	2000	1786	1550	1346	1199	1105	1044	1003	979	930	903	880	882
60	13.0	15.1	63.4	276	958	1715	1684	1400	1091	892	781	719	696	686	679	663	647	630	632
65	13.1	14.6	46.5	198	645	1168	1189	994	766	619	538	500	481	474	469	460	448	438	440
70	13.3	13.8	21.2	80.8	176	346	446	384	280	211	174	173	158	154	155	155	150	149	151
75	13.4	13.4	18.1	54.3	113	217	286	269	220	155	127	122	110	107	108	108	105	104	106
80	13.6	12.9	13.4	14.7	18.8	23.6	44.6	96.3	131	70.7	54.8	44.7	37.9	36.4	36.6	37.8	37.0	36.8	37.3
85	13.9	13.1	13.1	13.5	15.6	18.0	30.3	61.0	81.6	45.1	35.4	29.2	25.1	24.1	24.2	24.9	24.4	24.3	24.6
90	14.4	13.5	12.6	11.7	10.7	9.74	8.84	8.02	7.32	6.75	6.33	6.05	5.87	5.76	5.68	5.61	5.56	5.54	5.53

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2023-10-27

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:0.1462A P:31.39W PF:0.9718 Freq:49.99Hz Lamp Flux:4898.55x1 lm																		
NAME: LUX-AL-30-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	18.9	19.2	19.5	20.1	20.6	21.0	21.2	21.2	21.0	20.7	20.5	21.0	22.0	23.5	25.0	26.1	27.1	26.3	
-85	31.5	31.8	32.6	33.4	34.4	33.9	33.6	33.9	35.2	33.9	30.8	26.8	26.0	26.3	27.1	27.6	28.0	26.6	
-80	50.4	50.8	52.1	53.5	55.1	53.3	52.1	52.8	56.6	53.9	46.1	35.5	31.8	30.6	30.4	29.9	29.3	27.0	
-75	94.9	94.4	96.2	96.8	97.0	92.0	87.3	83.2	89.9	104	98.7	88.9	72.2	51.8	38.7	32.9	30.4	27.2	
-70	162	160	162	162	160	150	140	129	140	180	177	169	133	83.4	51.0	37.3	32.2	27.5	
-65	219	216	217	227	221	196	182	169	175	209	234	269	252	166	97.3	46.6	33.8	27.8	
-60	304	300	299	326	314	265	245	230	228	254	320	419	431	289	167	60.5	36.3	28.2	
-55	330	330	333	355	341	311	283	263	259	285	348	483	572	427	230	83.4	38.1	28.5	
-50	369	375	384	399	382	380	339	313	305	331	392	579	782	634	325	118	40.7	29.1	
-45	378	382	387	391	377	373	355	347	338	359	437	641	854	760	412	148	43.0	29.4	
-40	391	393	391	380	370	363	379	399	388	402	506	733	962	949	542	193	46.4	29.8	
-35	411	410	406	397	389	382	392	422	429	464	600	825	1025	1040	639	223	48.1	30.0	
-30	440	436	429	422	416	411	411	457	490	557	741	963	1119	1176	783	269	50.5	30.2	
-25	469	467	461	454	447	445	455	511	609	687	859	1048	1198	1236	880	302	52.3	29.2	
-20	513	513	509	503	493	495	522	591	786	882	1036	1175	1317	1327	1024	351	54.9	27.7	
-15	594	595	598	600	599	612	653	731	923	1038	1158	1276	1391	1397	1100	371	54.1	26.3	
-10	715	718	731	745	759	788	849	940	1129	1272	1340	1428	1503	1502	1214	401	52.8	24.3	
-5	889	887	896	909	925	956	1010	1094	1269	1424	1465	1535	1586	1584	1293	426	53.3	23.2	
0	1158	1149	1145	1140	1133	1163	1210	1313	1501	1663	1670	1719	1746	1720	1393	446	51.2	21.9	
5	1284	1278	1274	1264	1265	1307	1381	1503	1714	1841	1826	1862	1875	1829	1473	464	51.6	21.3	
10	1453	1457	1459	1454	1480	1548	1656	1797	2139	2073	2069	2077	2079	2011	1576	462	48.9	21.0	
15	1440	1451	1466	1496	1561	1656	1799	1987	2236	2207	2227	2242	2235	2135	1643	454	48.1	21.1	
20	1422	1441	1477	1561	1683	1817	2013	2271	2381	2408	2465	2491	2469	2321	1743	442	46.9	21.3	
25	1373	1409	1469	1567	1702	1861	2064	2290	2409	2479	2545	2573	2535	2362	1699	406	43.6	21.5	
30	1301	1360	1455	1575	1731	1927	2140	2318	2450	2584	2665	2696	2634	2424	1632	351	38.8	21.7	
35	1284	1336	1420	1527	1666	1842	2042	2230	2389	2551	2660	2707	2638	2395	1501	316	36.8	21.7	
40	1259	1299	1367	1455	1568	1713	1896	2097	2299	2502	2652	2723	2644	2350	1305	263	33.8	21.6	
45	1196	1232	1294	1377	1458	1574	1727	1916	2130	2353	2517	2601	2526	2167	1084	213	31.2	21.1	
50	1101	1132	1185	1262	1293	1366	1474	1646	1876	2129	2316	2417	2349	1893	752	137	27.2	20.5	
55	923	950	992	1046	1068	1120	1204	1346	1548	1827	2066	2210	2127	1517	555	109	25.3	19.7	
60	655	677	703	723	731	752	798	896	1055	1373	1691	1900	1796	954	260	66.6	22.4	18.6	
65	454	468	486	498	503	521	556	618	738	967	1222	1366	1224	640	186	50.4	20.8	18.0	
70	152	154	159	161	162	176	194	201	261	358	519	564	365	170	76.1	26.0	18.4	17.1	
75	106	108	111	112	113	123	138	146	194	277	355	358	231	111	53.0	22.2	17.2	16.5	
80	37.4	38.0	39.2	38.8	40.1	44.3	54.1	63.2	92.0	155	109	47.4	28.3	22.8	18.3	16.5	15.4	15.7	
85	24.6	25.1	25.7	25.5	26.4	29.0	34.9	40.5	58.0	95.8	68.5	32.1	21.0	18.2	15.9	15.2	14.9	15.3	
90	5.53	5.65	5.58	5.64	5.76	5.93	6.16	6.47	6.95	7.57	8.30	9.13	10.1	11.3	12.3	13.3	14.1	14.7	

H(B) Range:-90 - 90DEG

H(B) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2023-10-27

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: