

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	484.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	149.1V x 148.3H
	At 50% of Imax	68.0V x 126.6H
	At 90% of Imax	36.6V x 100.2H

Beam Flux	Total	999.9 lumens per klm.
	To 10% of Imax	971.6 lumens per klm.
	To 50% of Imax	650.7 lumens per klm.
	To 90% of Imax	60.6 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

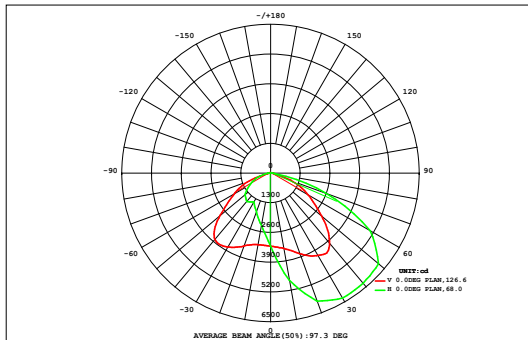
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

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:220.8V I:0.4657A P:101.2W PF:0.9842 Freq:49.99Hz Lamp Flux:15597.5x1 lm		
NAME: LUX-AL-100-TypeIV-T4-C13805	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4



DATA OF LAMP		Eff:154.15lm/W	
MODEL	LED	Imax(cd)	7558
NOMINAL POWER(W)	100	AVAILABILITY(%)	97.2
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	15165
NOMINAL FLUX(lm)	15597.5	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	15598
TEST VOLTAGE(V)	230	θ @50% (H,V)	127,68DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.06	0.17	0.36	0.79	1.83	9.45	11.5	5.12	3.65	3.70	5.62	11.2	7.97	1.56	0.83	0.44	0.23	0.08	64.5	7.44
90	0.06	0.27	1.48	10.7	34.6	69.9	70.2	48.5	41.6	42.8	54.2	74.3	63.3	29.9	9.11	1.28	0.37	0.10	553	527
80	0.07	0.47	5.31	32.3	90.4	148	147	123	115	118	135	159	144	80.9	28.8	4.86	0.61	0.12	1332	1323
70	0.09	0.73	11.7	49.2	116	170	176	167	169	171	181	195	178	111	46.7	11.0	0.90	0.14	1755	1749
60	0.10	1.16	17.5	53.9	112	160	175	177	187	189	190	197	176	117	54.6	16.9	1.33	0.17	1825	1820
50	0.12	2.01	21.4	54.2	103	147	170	179	190	190	188	188	161	109	56.7	21.2	2.00	0.19	1782	1777
40	0.15	2.86	22.9	54.7	101	144	168	177	185	187	187	184	156	104	56.2	22.9	2.77	0.20	1755	1751
30	0.18	3.34	22.2	51.2	96.6	138	153	156	161	165	168	170	149	98.1	52.5	22.4	3.23	0.22	1608	1604
20	0.22	3.47	20.2	44.4	83.4	112	118	117	119	122	126	131	123	84.9	45.7	20.4	3.34	0.25	1274	1270
10	0.25	3.26	17.7	37.0	64.8	81.1	83.6	81.5	82.0	83.6	87.4	92.5	89.5	66.8	37.8	17.7	3.09	0.27	930	925
0	0.27	2.74	15.0	29.4	47.5	58.1	60.0	60.3	62.3	63.3	64.0	66.3	64.5	49.5	29.8	14.9	2.59	0.28	691	685
-10	0.27	2.09	11.6	21.9	33.4	41.4	43.6	45.8	49.1	49.5	48.3	49.2	46.4	35.2	22.4	11.5	2.08	0.28	514	506
-20	0.25	1.62	7.94	16.5	25.8	33.5	36.6	41.1	45.8	45.9	42.9	41.6	36.8	26.6	16.6	7.81	1.64	0.26	429	413
-30	0.24	1.30	5.07	12.5	21.4	29.3	34.2	42.3	46.9	47.1	43.7	37.9	31.1	21.3	12.3	5.01	1.35	0.25	393	365
-40	0.22	1.02	3.18	8.49	16.0	24.5	30.8	36.9	38.9	39.6	38.8	33.3	24.7	15.5	8.17	3.15	1.06	0.24	324	281
-50	0.21	0.76	1.91	4.61	9.59	17.2	24.0	26.2	26.3	27.5	29.1	25.0	16.4	9.14	4.45	1.97	0.81	0.22	225	157
-60	0.19	0.59	1.14	2.04	3.94	7.74	12.3	13.8	12.6	13.6	15.6	12.5	7.25	3.78	2.06	1.19	0.63	0.21	111	5.14
-70	0.18	0.52	0.82	1.13	1.44	1.80	2.89	3.71	3.18	3.37	3.94	2.92	1.91	1.52	1.16	0.86	0.55	0.19	32.1	0.00
-80	0.18	0.52	0.82	1.13	1.44	1.80	2.89	3.71	3.18	3.37	3.94	2.92	1.91	1.52	1.16	0.86	0.55	0.19	32.1	0.00
-90	0.18	0.52	0.82	1.13	1.44	1.80	2.89	3.71	3.18	3.37	3.94	2.92	1.91	1.52	1.16	0.86	0.55	0.19	32.1	0.00
HORIZONTAL (DEG)																				
Φ t	3.12	28.4	187	485	962	1393	1515	1500	1539	1561	1608	1671	1476	965	486	185	28.6	3.68	15598	---
Φ a	0.00	6.15	159	456	936	1365	1488	1473	1513	1536	1585	1645	1446	938	456	157	4.52	0.00	---	15165

one-half-peak spread: U:30.6,D:37.8 , L:26.5,R:28.5

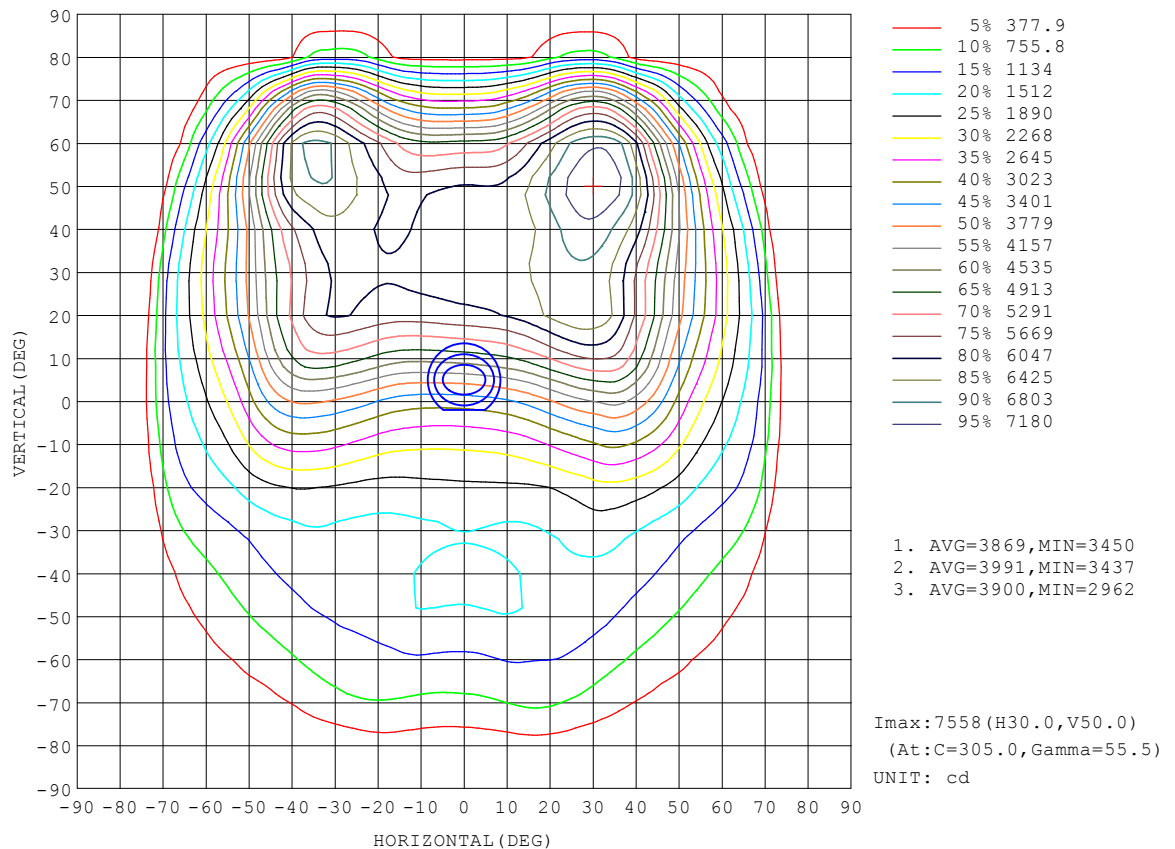
NEMA Beam Type: Type 7

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

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:220.8V I:0.4657A P:101.2W PF:0.9842 Freq:49.99Hz Lamp Flux:15597.5x1 lm		
NAME: LUX-AL-100-TypeIV-T4-C13805	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4

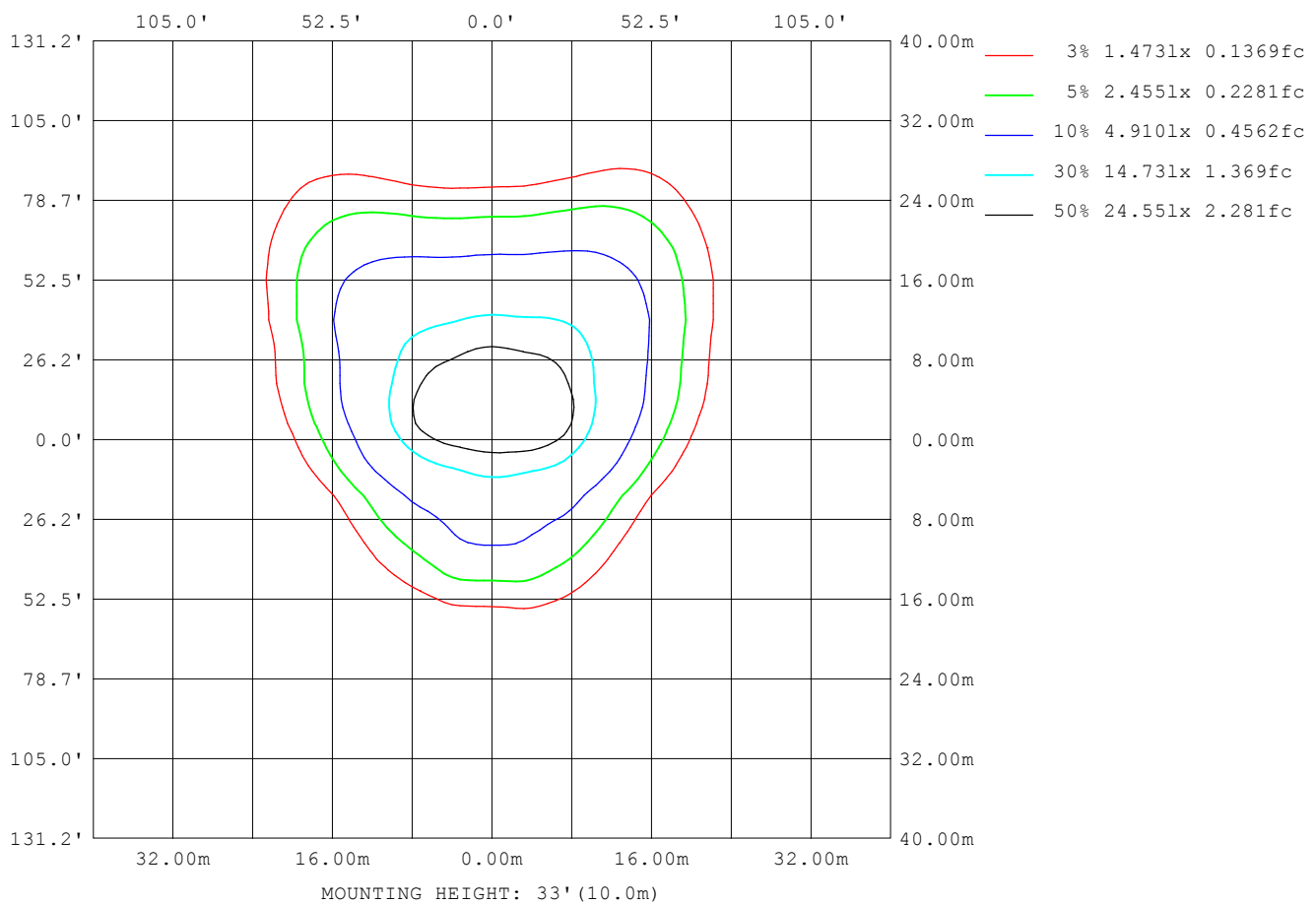


H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

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:

ISOLUX DIAGRAM

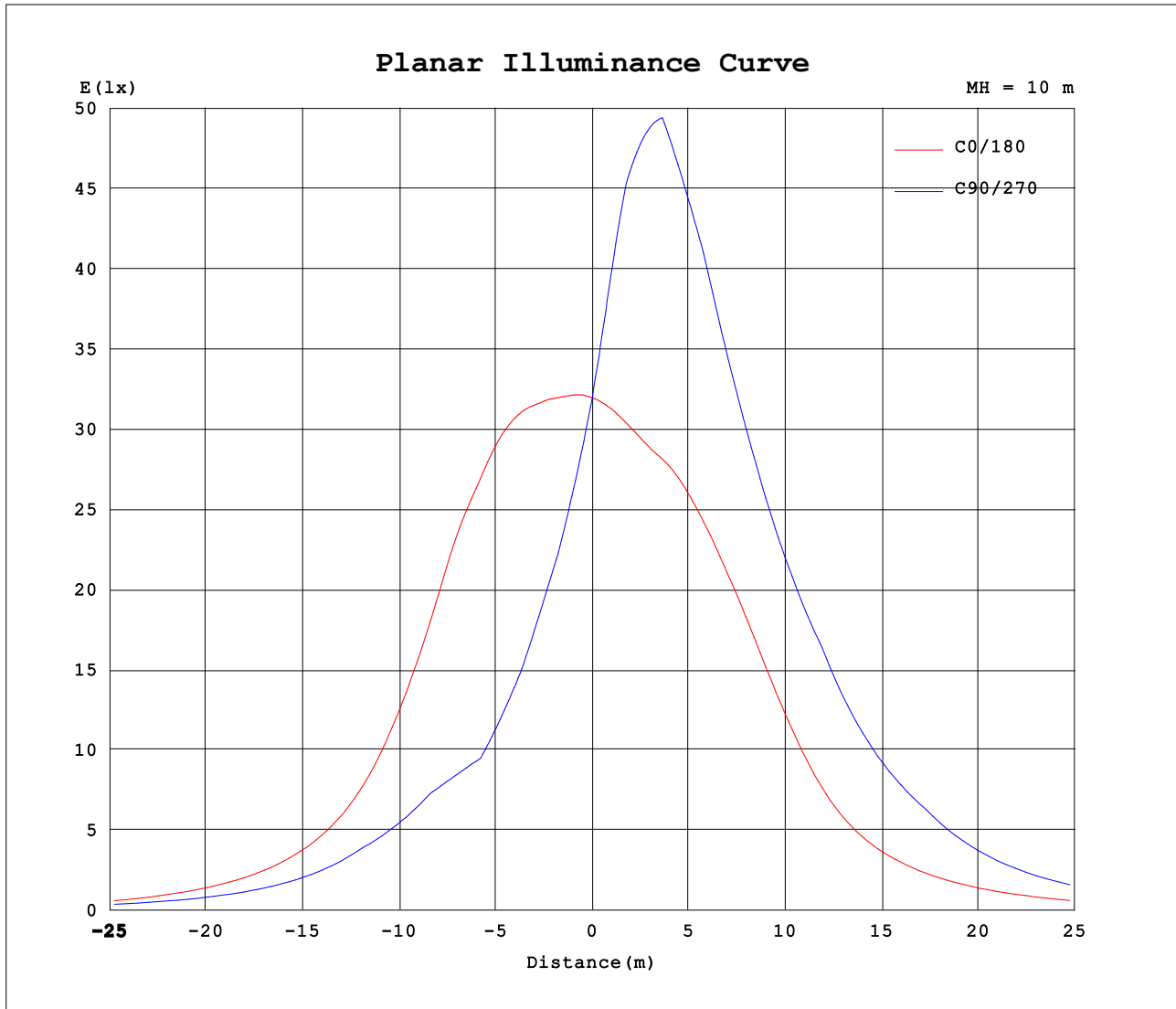
Test:U:220.8V I:0.4657A P:101.2W PF:0.9842 Freq:49.99Hz Lamp Flux:15597.5x1 lm		
NAME: LUX-AL-100-TypeIV-T4-C13805	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4



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

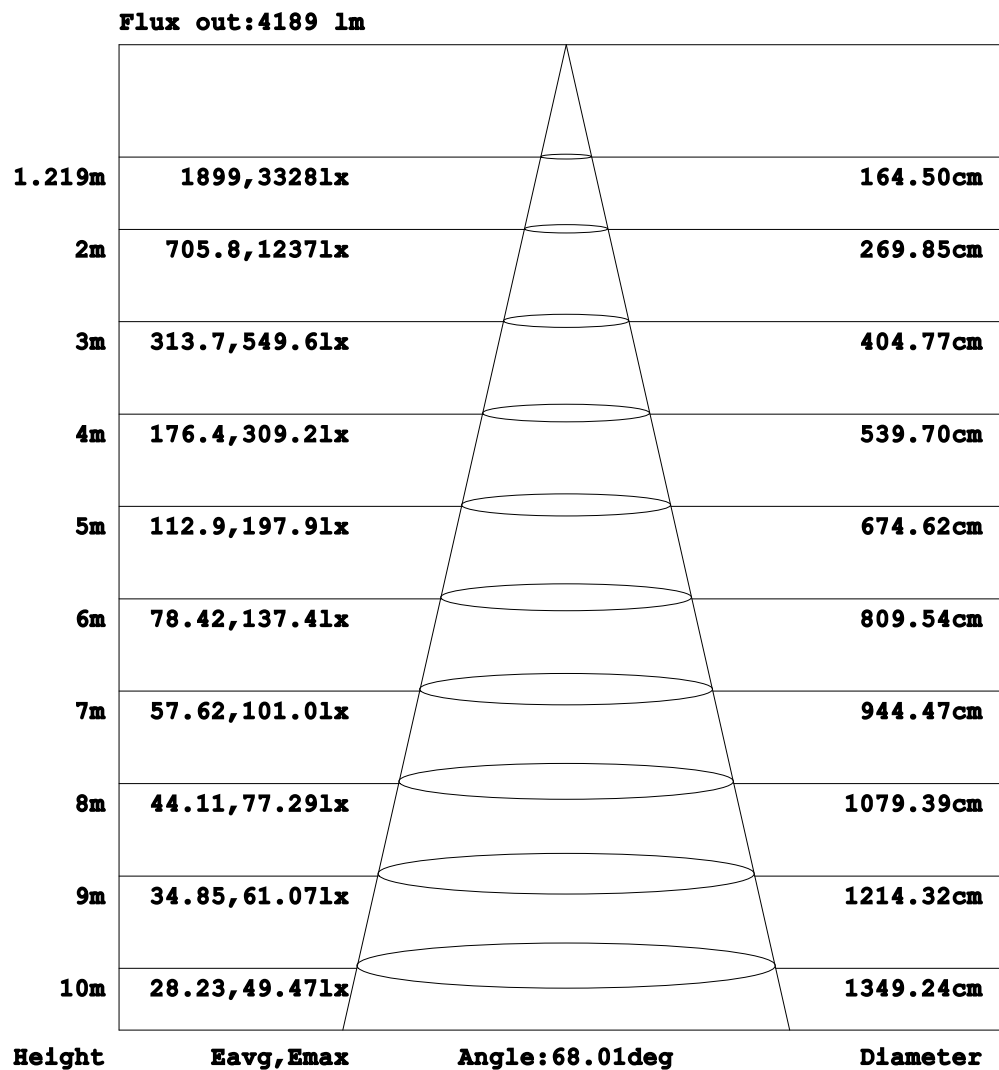


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

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:220.8V I:0.4657A P:101.2W PF:0.9842 Freq:49.99Hz Lamp Flux:15597.5x1 lm		
NAME: LUX-AL-100-TypeIV-T4-C13805	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4



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:-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:220.8V I:0.4657A P:101.2W PF:0.9842 Freq:49.99Hz Lamp Flux:15597.5x1 lm		
NAME: LUX-AL-100-TypeIV-T4-C13805	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4

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	68.9	68.9	67.8	65.1	62.9	60.7	60.2	59.9	59.6	59.8	60.0	60.7	61.3	61.9	62.5	63.4	64.5	65.5	66.4
-85	69.3	69.5	68.7	66.1	64.6	63.3	64.1	65.0	66.4	68.5	70.9	75.5	84.1	103	122	120	112	102	102
-80	69.8	70.5	69.9	67.6	67.2	67.3	70.0	72.7	76.5	81.7	87.1	97.6	118	164	212	206	182	157	155
-75	70.8	72.0	72.3	73.2	77.4	83.8	95.3	108	126	162	207	266	326	389	431	417	380	359	363
-70	72.4	74.2	76.0	81.5	92.7	109	133	162	201	284	387	519	636	727	761	733	677	663	676
-65	73.3	75.7	80.6	91.7	110	137	183	240	313	408	520	654	770	846	869	864	842	823	829
-60	74.5	78.1	87.5	107	137	178	258	356	480	595	720	857	969	1024	1031	1061	1090	1064	1060
-55	73.7	78.7	92.9	121	160	222	332	456	588	709	836	959	1048	1095	1135	1218	1259	1232	1223
-50	72.4	79.6	101	141	194	287	443	605	751	881	1010	1113	1165	1201	1291	1455	1512	1483	1468
-45	70.8	80.0	106	153	219	370	531	693	838	970	1088	1169	1202	1225	1305	1448	1524	1531	1531
-40	68.4	80.5	114	171	257	493	662	824	970	1104	1206	1253	1257	1262	1326	1439	1541	1604	1625
-35	68.0	82.0	121	185	320	601	772	917	1056	1187	1284	1337	1326	1311	1339	1412	1490	1541	1560
-30	67.3	84.3	130	206	415	764	937	1057	1185	1311	1401	1463	1431	1386	1360	1372	1413	1447	1463
-25	67.5	84.6	133	215	509	885	1064	1209	1375	1514	1600	1637	1601	1547	1513	1521	1558	1588	1604
-20	67.8	85.2	138	228	650	1067	1254	1437	1659	1818	1900	1897	1856	1789	1744	1744	1776	1800	1816
-15	66.0	83.5	139	236	739	1157	1376	1612	1912	2143	2253	2253	2196	2101	2021	1989	1995	2006	2021
-10	63.3	81.0	141	248	874	1292	1559	1876	2291	2629	2784	2787	2706	2569	2437	2355	2323	2317	2330
-5	59.7	76.5	137	248	920	1355	1674	2038	2526	2949	3157	3161	3071	2931	2785	2678	2628	2612	2626
0	53.6	69.5	131	251	995	1464	1856	2289	2883	3472	3792	3830	3731	3577	3390	3244	3183	3174	3197
5	49.3	63.8	123	243	1019	1532	1967	2451	3098	3816	4267	4379	4296	4130	3933	3776	3728	3737	3763
10	42.7	56.0	114	276	1072	1648	2154	2717	3438	4309	4953	5219	5179	5030	4846	4714	4687	4711	4747
15	38.8	50.8	106	241	1056	1687	2241	2852	3588	4463	5115	5489	5541	5424	5269	5163	5153	5187	5231
20	33.0	43.1	94.6	189	1031	1746	2372	3054	3813	4693	5358	5894	6083	6014	5904	5835	5852	5902	5956
25	30.8	40.2	88.9	178	1004	1751	2400	3082	3847	4703	5332	5854	6079	6076	5989	5961	6008	6058	6098
30	27.5	35.7	80.3	161	963	1759	2441	3123	3898	4719	5293	5793	6073	6169	6117	6149	6241	6291	6311
35	26.7	33.7	73.8	147	822	1657	2371	3072	3891	4781	5422	5897	6151	6180	6075	6077	6198	6275	6301
40	25.5	30.6	64.0	127	611	1505	2265	2997	3880	4874	5617	6054	6267	6195	6012	5969	6133	6251	6287
45	25.3	29.5	59.1	116	481	1359	2165	3008	4011	5145	5973	6351	6471	6310	6085	5970	6074	6191	6239
50	25.0	27.9	51.8	98.4	287	1140	2015	3024	4207	5553	6507	6796	6776	6482	6194	5970	5986	6100	6167
55	24.8	26.7	46.3	85.8	219	892	1761	2786	4014	5397	6490	6845	6762	6377	6008	5681	5597	5655	5714
60	24.6	25.0	38.1	67.1	117	520	1380	2429	3724	5163	6464	6917	6741	6220	5730	5248	5013	4988	5033
65	24.5	24.2	34.0	57.1	96.4	362	1041	1917	3009	4362	5609	6199	6041	5487	4878	4355	4088	4025	4053
70	24.4	23.1	28.0	42.0	65.9	125	532	1148	1938	3161	4325	5122	4991	4387	3600	3016	2700	2580	2584
75	24.5	22.8	25.6	34.8	51.2	90.5	341	720	1201	1951	2740	3410	3367	2989	2402	1930	1717	1640	1641
80	24.6	22.4	22.0	23.9	29.2	38.5	53.3	78.9	96.4	137	361	843	930	893	606	300	243	229	227
85	24.9	22.7	21.6	22.1	24.7	30.0	38.6	53.8	64.3	88.8	223	513	565	542	371	187	153	145	144
90	25.4	23.1	21.0	19.3	18.0	17.1	16.5	16.2	16.1	16.2	16.5	16.7	16.9	17.1	17.3	17.5	17.7	18.0	18.4

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:220.8V I:0.4657A P:101.2W PF:0.9842 Freq:49.99Hz Lamp Flux:15597.5x1 lm																		
NAME: LUX-AL-100-TypeIV-T4-C13805									TYPE:LED					WEIGHT:				
SPEC.:									DIM.: 0.3*0.25*0.1					SERIAL No.:				
MFR.:									SUR.:0.1*0.2					Shielding Angle:T4				

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	67.1	67.2	67.0	66.7	66.0	65.3	64.6	63.9	62.0	60.7	60.8	61.8	63.2	65.0	67.2	69.5	71.0	71.1	
-85	109	118	131	125	105	85.8	79.5	75.3	71.5	68.1	66.3	66.0	66.4	67.5	69.2	71.3	72.8	72.3	
-80	173	195	227	213	164	117	102	92.3	85.8	79.1	74.7	72.3	71.2	71.3	72.2	73.9	75.4	74.1	
-75	387	429	474	459	392	313	250	200	156	126	110	97.3	87.7	81.8	78.4	77.2	77.2	75.4	
-70	709	780	844	827	733	608	472	361	262	196	162	135	112	97.6	87.6	82.0	79.9	77.4	
-65	862	929	966	951	875	757	617	493	388	300	233	182	142	116	98.2	86.8	81.4	77.9	
-60	1093	1151	1148	1137	1089	982	833	692	576	456	339	253	187	143	114	94.0	83.6	78.6	
-55	1255	1306	1284	1236	1183	1092	957	814	687	563	438	322	224	165	127	98.9	84.0	77.6	
-50	1498	1537	1487	1386	1325	1256	1143	997	855	723	588	427	280	198	146	106	84.6	76.1	
-45	1540	1543	1487	1414	1365	1317	1231	1100	961	821	681	524	362	223	159	112	85.2	74.7	
-40	1603	1551	1488	1458	1424	1408	1363	1256	1120	967	820	669	485	262	178	120	86.1	72.5	
-35	1542	1503	1469	1473	1495	1517	1465	1349	1217	1068	921	777	591	308	190	125	86.9	72.0	
-30	1450	1432	1440	1496	1602	1679	1620	1489	1364	1219	1072	939	751	378	207	133	88.1	71.4	
-25	1599	1591	1601	1654	1754	1853	1831	1719	1588	1421	1230	1069	877	478	219	138	89.2	71.9	
-20	1823	1830	1843	1892	1983	2115	2148	2065	1924	1723	1468	1263	1066	628	236	145	91.0	72.7	
-15	2037	2062	2109	2197	2322	2460	2523	2422	2233	1960	1641	1384	1146	701	240	146	89.6	71.9	
-10	2357	2410	2507	2655	2830	2977	3086	2957	2697	2317	1902	1565	1266	810	247	146	87.6	70.8	
-5	2662	2735	2865	3048	3240	3393	3520	3363	3028	2560	2085	1702	1347	877	249	145	85.2	68.7	
0	3252	3348	3512	3749	3989	4155	4267	4012	3533	2903	2347	1888	1457	939	245	138	79.6	64.8	
5	3829	3927	4098	4347	4599	4777	4831	4474	3865	3137	2536	2020	1541	980	243	134	76.0	62.0	
10	4816	4914	5103	5354	5598	5740	5658	5112	4291	3450	2791	2192	1641	1010	228	126	69.8	57.6	
15	5289	5379	5562	5813	6049	6137	5938	5315	4482	3629	2936	2290	1691	1020	229	121	67.1	55.3	
20	5999	6078	6250	6501	6727	6731	6358	5620	4768	3897	3153	2438	1767	1034	231	115	63.0	51.9	
25	6125	6180	6325	6546	6719	6698	6329	5611	4793	3936	3181	2448	1748	970	210	110	61.3	51.4	
30	6313	6334	6439	6613	6707	6647	6285	5599	4830	3994	3223	2464	1719	874	179	103	58.8	50.6	
35	6286	6283	6398	6620	6808	6808	6467	5837	5002	4075	3203	2396	1632	758	169	98.2	57.9	50.6	
40	6245	6206	6337	6630	6960	7050	6739	6195	5261	4196	3173	2294	1501	583	153	91.1	56.6	50.7	
45	6206	6212	6410	6762	7116	7253	7001	6421	5358	4171	3078	2153	1322	443	140	84.8	54.7	50.0	
50	6146	6220	6520	6959	7350	7558	7393	6759	5505	4134	2937	1941	1054	234	120	75.4	51.7	49.0	
55	5713	5835	6196	6684	7148	7384	7236	6503	5174	3838	2661	1689	829	195	108	69.1	49.3	47.5	
60	5063	5257	5711	6271	6845	7123	7001	6120	4676	3394	2249	1310	492	136	89.3	59.6	45.8	45.3	
65	4096	4323	4782	5392	6009	6281	6058	5161	3910	2701	1735	938	342	113	76.4	53.3	43.1	43.3	
70	2647	2923	3389	4074	4757	5018	4644	3723	2761	1661	966	381	116	79.3	57.1	43.8	39.1	40.4	
75	1680	1855	2170	2701	3195	3365	3060	2333	1705	1033	611	252	88.5	63.1	47.9	39.2	36.7	38.5	
80	230	254	342	642	854	886	682	250	120	91.4	78.4	58.8	46.8	38.8	34.1	32.5	33.2	35.7	
85	146	160	213	393	520	540	418	158	80.1	63.1	55.4	43.8	36.9	32.6	30.3	30.1	31.4	33.9	
90	18.9	19.4	20.1	20.6	20.9	20.9	20.9	20.7	20.5	20.5	20.8	21.3	22.0	23.1	24.7	26.6	28.7	31.1	

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: