

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	806.8 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	105.9V x 151.1H
	At 50% of Imax	40.9V x 133.3H
	At 90% of Imax	13.1V x 128.8H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	933.5 lumens per klm.
	To 50% of Imax	517.9 lumens per klm.
	To 90% of Imax	34.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

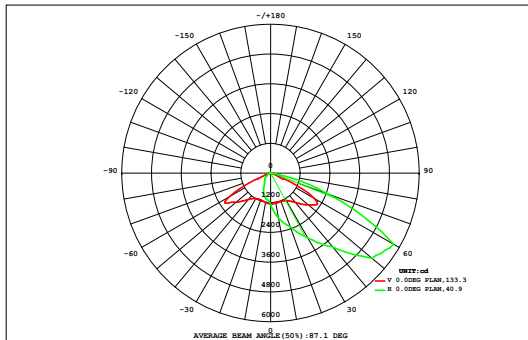
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

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:221.0V I:0.4658A P:101.3W PF:0.9839 Freq:49.99Hz Lamp Flux:10114.3x1 lm		
NAME: LUX-AL-100-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4-B



DATA OF LAMP		Eff:99.85lm/W	
MODEL	LED	Imax (cd)	8161
NOMINAL POWER (W)	100	AVAILABILITY (%)	93.5
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	9461
NOMINAL FLUX (lm)	10114.3	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	10114
TEST VOLTAGE (V)	230	θ @50% (H,V)	133,41DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.04	0.11	0.20	0.42	1.08	2.80	3.20	2.90	2.54	2.60	2.98	3.25	2.35	1.00	0.49	0.28	0.16	0.06	26.5	0.00
90	0.04	0.11	0.20	0.42	1.08	2.80	3.20	2.90	2.54	2.60	2.98	3.25	2.35	1.00	0.49	0.28	0.16	0.06	26.5	0.00
80	0.04	0.21	0.81	2.97	20.1	47.8	46.2	40.2	39.2	39.1	39.4	47.0	42.7	14.0	2.50	0.93	0.30	0.08	383	348
70	0.05	0.47	2.41	20.2	93.8	138	127	124	124	127	129	141	139	72.7	10.4	2.30	0.52	0.09	1252	1235
60	0.06	0.71	4.46	48.6	146	168	160	166	169	174	178	183	194	148	38.1	4.36	0.87	0.11	1785	1771
50	0.08	1.13	11.6	81.2	133	134	130	135	139	144	149	160	169	150	62.4	6.93	1.04	0.12	1608	1597
40	0.08	1.18	18.1	82.7	110	108	100	101	104	107	112	121	136	132	84.3	14.4	1.31	0.13	1333	1325
30	0.10	1.38	26.9	77.5	87.8	80.0	75.1	78.0	80.6	83.1	85.6	89.3	104	107	79.2	16.5	1.16	0.13	1074	1068
20	0.11	1.15	22.3	61.7	64.7	57.3	56.1	59.3	62.5	63.6	63.1	62.7	68.0	77.9	66.8	19.8	1.20	0.14	808	803
10	0.16	1.19	20.0	44.0	42.9	38.9	39.5	42.6	46.3	46.8	44.6	43.5	45.7	52.2	46.4	13.5	1.04	0.16	569	564
0	0.18	1.10	12.3	30.9	28.6	27.2	29.0	31.5	33.6	33.9	32.5	30.9	30.2	32.8	32.7	11.2	1.17	0.19	400	393
-10	0.20	1.16	8.82	21.9	21.7	22.4	24.7	27.0	28.8	29.0	28.0	26.7	25.6	26.0	22.5	6.03	1.11	0.20	322	308
-20	0.18	0.98	3.95	13.4	15.4	15.4	17.1	18.9	20.1	20.3	19.6	18.4	17.0	17.5	13.4	3.97	1.07	0.20	217	49.1
-30	0.18	0.86	2.46	7.04	7.90	8.57	10.6	12.1	13.0	13.1	12.2	10.6	8.48	8.86	6.20	2.26	0.87	0.18	125	0.00
-40	0.15	0.66	1.60	3.01	4.34	6.18	7.92	8.94	9.55	9.65	9.14	8.07	6.33	4.51	3.11	1.77	0.74	0.17	85.8	0.00
-50	0.15	0.53	1.13	1.94	2.90	4.18	5.19	5.64	5.97	6.01	5.77	5.30	4.23	3.06	2.04	1.20	0.58	0.16	56.0	0.00
-60	0.14	0.43	0.75	1.19	1.73	2.30	2.89	3.23	3.43	3.50	3.38	3.12	2.56	1.93	1.32	0.85	0.49	0.16	33.4	0.00
-70	0.13	0.37	0.58	0.82	1.10	1.40	1.70	1.94	2.11	2.16	2.09	1.88	1.57	1.23	0.89	0.65	0.42	0.15	21.2	0.00
-80	0.12	0.34	0.49	0.65	0.82	0.97	1.12	1.25	1.35	1.38	1.34	1.24	1.09	0.89	0.69	0.53	0.36	0.13	14.8	0.00
-90	0.12	0.34	0.49	0.65	0.82	0.97	1.12	1.25	1.35	1.38	1.34	1.24	1.09	0.89	0.69	0.53	0.36	0.13	14.8	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	2.18	14.0	139	500	784	864	838	859	885	906	917	957	998	852	473	107	14.4	2.57	10114	---
Φ a	0.00	0.00	106	470	750	821	785	801	826	846	861	909	959	817	441	69.1	0.00	0.00	---	9461

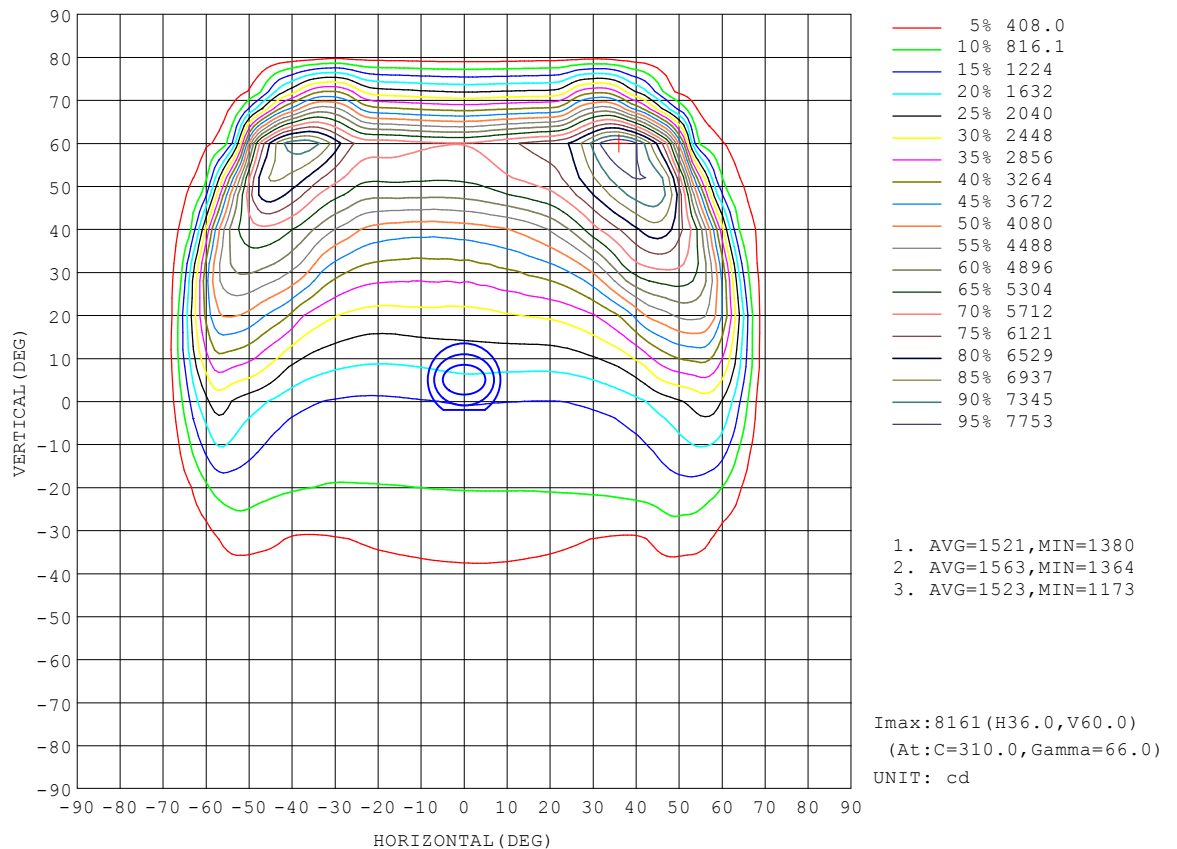
one-half-peak spread: U:32.6,D:8.8 , L:9.4,R:10.9NEMA Beam Type: Type 7 x 6 (H x V)

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:221.0V I:0.4658A P:101.3W PF:0.9839 Freq:49.99Hz Lamp Flux:10114.3x1 lm		
NAME: LUX-AL-100-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4-B

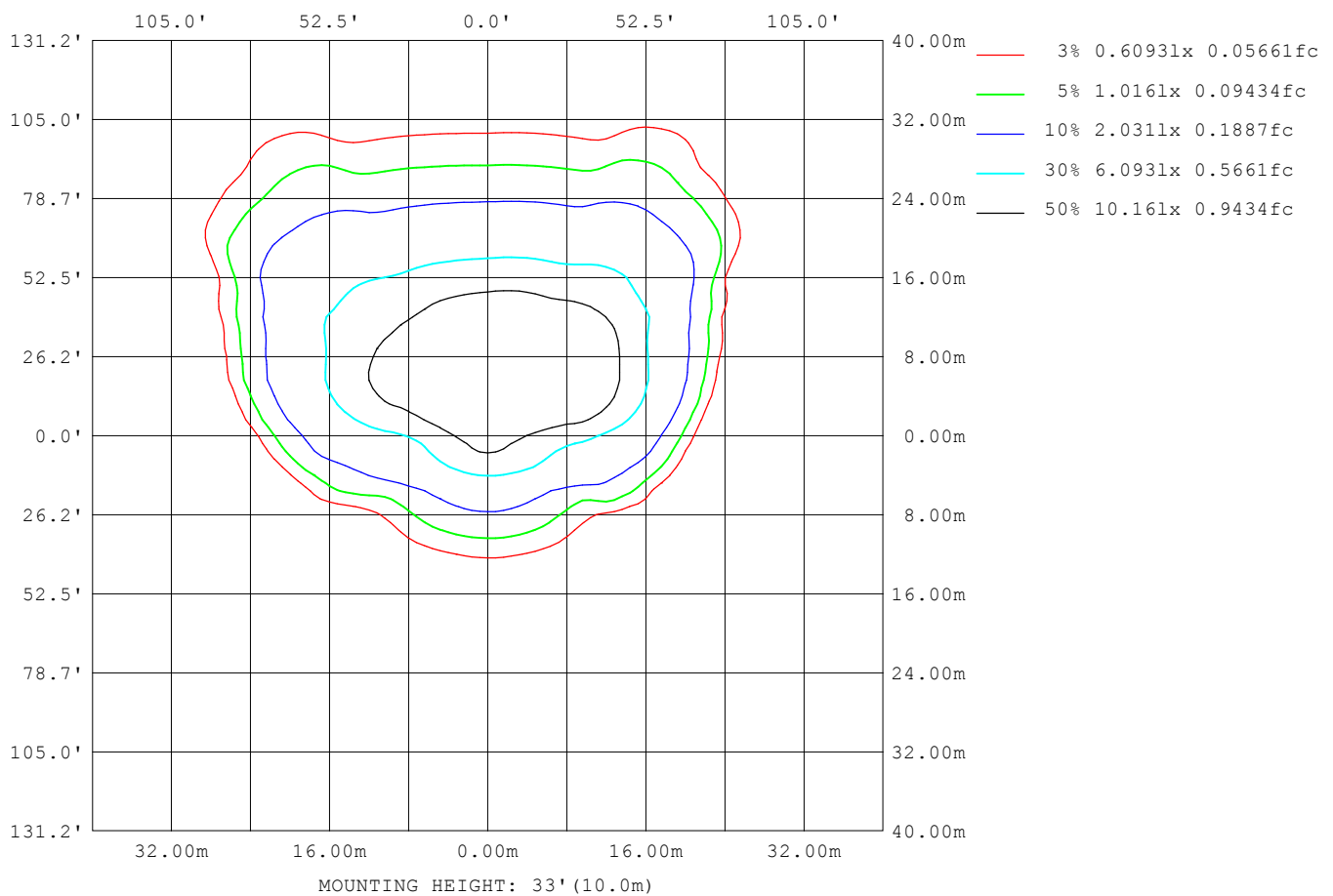


H(B) Range:-90 - 90DEG
H(B) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

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

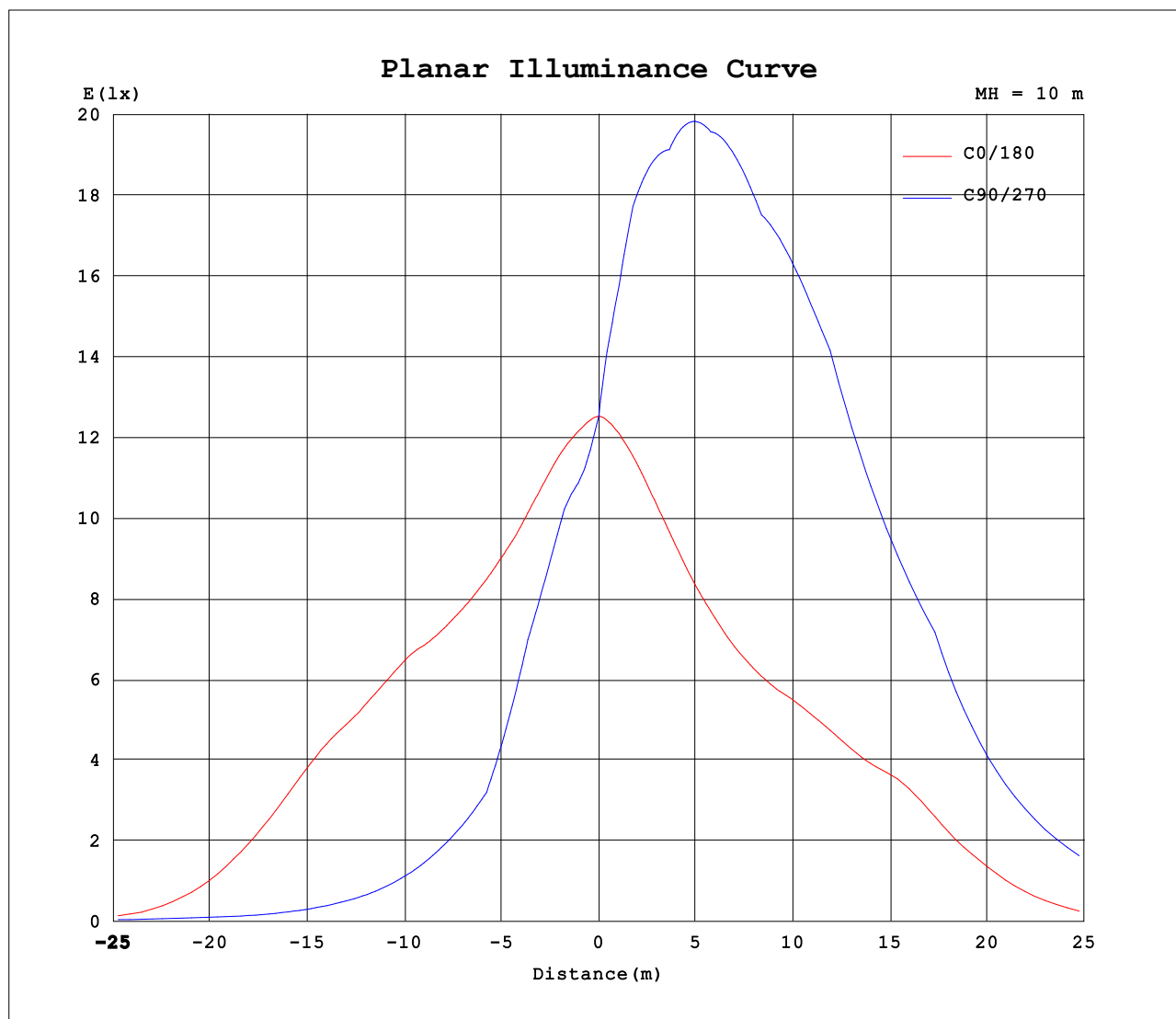
Test:U:221.0V I:0.4658A P:101.3W PF:0.9839 Freq:49.99Hz Lamp Flux:10114.3x1 lm		
NAME: LUX-AL-100-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4-B



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:

Planar Illuminance Curve

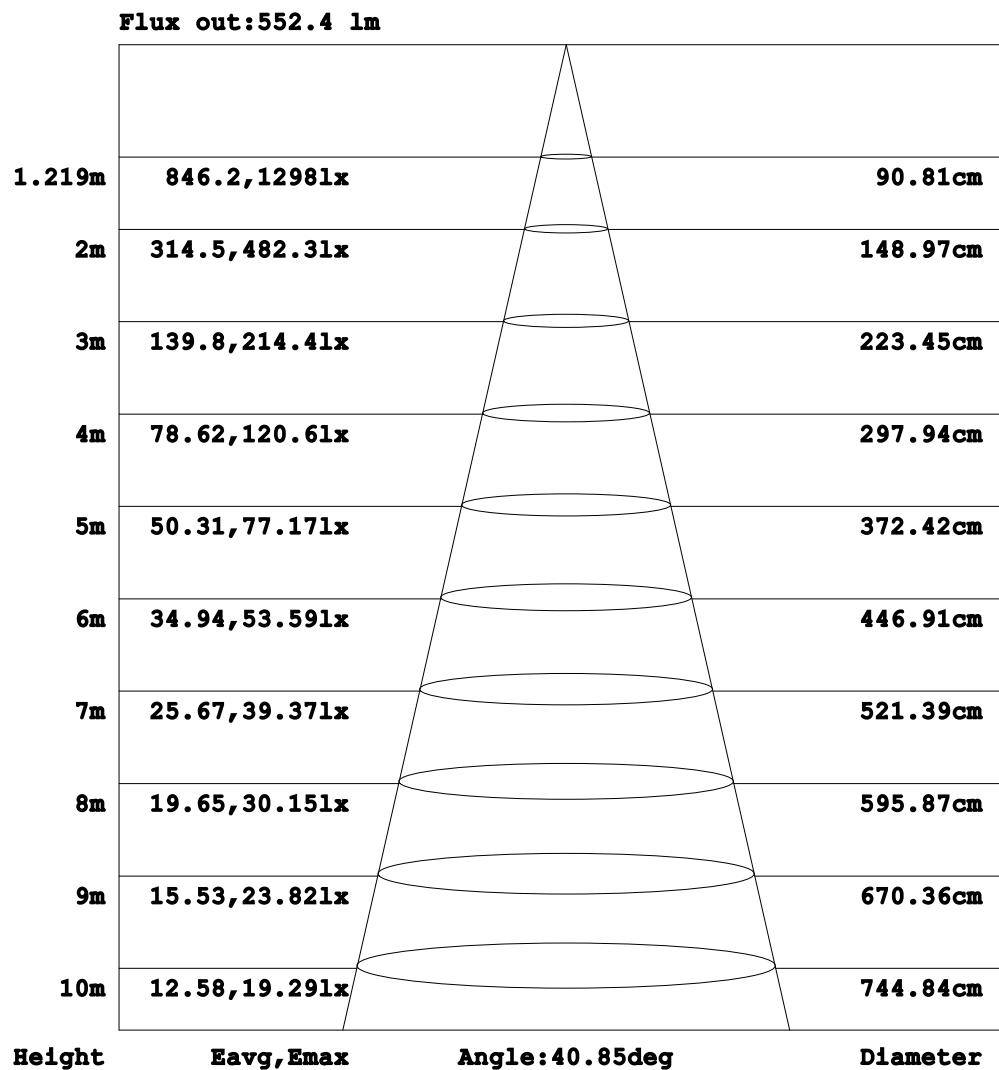


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-10-26

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:221.0V I:0.4658A P:101.3W PF:0.9839 Freq:49.99Hz Lamp Flux:10114.3x1 lm		
NAME: LUX-AL-100-TypeII/III-T4-B-C15014	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:T4-B



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:221.0V I:0.4658A P:101.3W PF:0.9839 Freq:49.99Hz Lamp Flux:10114.3x1 lm								
NAME: LUX-AL-100-TypeII/III-T4-B-C15014					TYPE:LED			WEIGHT:
SPEC.:					DIM.: 0.3*0.25*0.1			SERIAL No.:
MFR.:					SUR.:0.1*0.2			Shielding Angle:T4-B

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	45.4	45.1	44.1	41.2	39.2	36.6	36.3	36.3	36.5	36.9	37.0	37.4	37.7	38.2	38.6	39.2	39.9	40.5	40.9
-85	46.9	46.6	45.4	42.3	40.2	37.6	37.4	37.2	37.6	38.2	38.6	39.3	40.0	40.8	41.6	42.5	43.5	44.3	45.0
-80	50.0	49.1	48.0	45.0	42.6	40.1	38.9	38.7	38.9	39.8	40.7	41.7	42.9	44.2	45.5	46.8	48.3	49.6	50.8
-75	51.6	50.9	49.9	47.2	45.4	43.9	44.0	45.0	46.6	48.6	50.8	53.0	55.4	58.0	60.3	62.0	63.6	65.3	67.0
-70	53.3	53.5	51.8	49.9	49.4	50.0	52.6	55.9	59.6	63.4	67.6	71.4	75.8	80.5	83.5	85.3	87.3	90.3	91.8
-65	53.4	54.3	54.0	53.6	54.9	57.6	62.0	67.5	73.2	79.2	84.3	90.4	96.4	102	105	106	108	110	112
-60	53.7	54.9	56.4	58.0	61.4	66.5	73.0	81.2	90.4	99.4	106	115	124	133	138	137	138	140	141
-55	51.6	54.4	58.4	63.2	70.4	80.4	91.5	103	113	125	136	152	168	177	180	181	182	185	187
-50	49.7	56.3	64.7	75.7	90.0	109	126	141	153	170	189	223	240	243	244	247	251	254	256
-45	48.5	57.2	69.1	84.4	102	126	156	176	183	202	221	250	271	282	288	294	300	304	306
-40	44.1	52.9	68.2	88.6	111	138	180	230	222	241	261	282	306	331	351	361	369	376	380
-35	45.0	54.7	72.3	96.5	123	156	235	369	392	357	325	331	350	373	392	404	414	422	426
-30	49.6	64.5	89.7	121	157	219	407	654	599	477	407	409	424	445	461	473	485	492	494
-25	51.4	66.4	93.9	128	174	308	608	793	741	644	580	568	572	586	598	608	621	630	634
-20	51.4	61.1	85.9	122	170	289	744	1006	979	919	860	817	796	797	801	807	820	833	842
-15	50.9	60.1	85.8	125	179	415	1000	1257	1137	1015	931	884	868	872	880	889	906	923	933
-10	51.9	67.0	102	150	249	936	1628	1524	1284	1099	1012	977	977	990	1004	1021	1047	1065	1070
-5	49.5	63.7	98.4	148	277	1130	1845	1692	1445	1233	1106	1044	1031	1037	1045	1058	1081	1099	1104
0	44.2	49.9	76.2	121	192	942	1947	2116	1831	1601	1386	1258	1194	1162	1163	1178	1203	1230	1252
5	40.7	45.2	70.7	116	198	1082	2245	2501	2287	2017	1693	1517	1422	1369	1355	1373	1414	1454	1493
10	34.5	45.5	79.3	147	442	1970	3118	3049	2791	2395	2039	1871	1778	1722	1717	1744	1793	1840	1859
15	30.9	41.0	74.7	151	425	2072	3429	3468	3205	2817	2394	2161	2030	1956	1943	1971	2006	2024	2040
20	26.6	28.0	50.3	113	258	1407	3379	4120	3973	3593	3173	2702	2470	2337	2282	2296	2325	2310	2302
25	24.8	25.9	47.8	115	266	1279	3455	4403	4369	4064	3697	3193	2841	2662	2588	2582	2592	2589	2588
30	20.9	28.2	63.9	169	377	2071	4297	4953	4899	4680	4310	3650	3276	3093	3031	3015	3012	3007	3037
35	20.4	26.8	60.7	161	358	1659	4012	5065	5186	5008	4652	4081	3713	3468	3376	3342	3335	3346	3385
40	20.8	20.4	38.4	103	242	491	2518	4775	5538	5590	5316	4903	4492	4149	3939	3861	3830	3839	3885
45	20.7	20.0	36.3	94.0	222	437	1851	4276	5735	6181	5848	5363	4953	4628	4467	4435	4412	4412	4457
50	19.2	22.4	47.2	116	252	436	1814	4591	6693	6939	6425	5853	5536	5273	5276	5290	5278	5281	5348
55	19.1	21.1	41.5	99.0	211	367	1262	3455	6209	7013	6912	6412	5890	5551	5540	5515	5475	5459	5513
60	20.1	18.2	25.3	53.4	113	214	357	884	4132	6595	7559	7501	6751	6077	5934	5895	5799	5743	5733
65	20.0	17.8	22.6	44.3	90.9	166	276	627	2692	4617	5661	6035	5656	4957	4643	4593	4507	4449	4427
70	18.6	17.0	21.8	39.4	71.3	112	182	314	823	2241	3250	4016	3865	2895	2671	2615	2543	2489	2468
75	18.5	16.6	18.9	29.6	49.8	75.5	123	205	517	1385	2011	2505	2429	1827	1687	1647	1595	1559	1546
80	19.7	16.9	15.0	14.5	15.8	19.5	27.3	40.5	49.2	81.8	131	189	294	234	217	203	183	165	162
85	19.8	17.1	14.9	13.7	13.8	15.4	19.7	27.3	32.4	52.0	81.3	116	179	144	133	125	113	103	101
90	18.9	16.2	13.8	11.7	10.2	8.95	8.02	7.43	7.18	7.12	7.52	7.66	7.65	7.84	7.85	7.87	8.24	8.59	9.21

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:221.0V I:0.4658A P:101.3W PF:0.9839 Freq:49.99Hz Lamp Flux:10114.3x1 lm																		
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SPEC.:										DIM.: 0.3*0.25*0.1					SERIAL No.:			
MFR.:										SUR.:0.1*0.2					Shielding Angle:T4-B			

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	41.1	41.1	41.0	41.0	40.7	40.5	40.3	39.8	37.9	37.0	37.5	38.2	39.5	41.4	43.4	45.3	46.5	47.6	
-85	45.3	45.3	45.2	44.9	44.3	43.7	43.1	42.4	40.5	39.1	39.3	40.2	41.7	43.7	45.9	48.2	49.6	50.5	
-80	51.4	51.5	51.5	51.1	50.2	49.0	47.9	46.7	45.2	43.0	41.7	42.6	44.1	46.2	48.7	51.4	54.0	54.3	
-75	67.7	67.4	67.4	67.0	65.6	63.2	60.7	58.3	55.6	52.2	49.4	48.8	49.1	50.3	52.0	54.1	56.2	56.0	
-70	91.7	91.3	91.3	90.2	87.2	82.6	78.3	74.0	69.3	64.0	59.7	57.4	56.5	56.5	57.4	58.6	59.5	58.7	
-65	112	111	111	111	108	103	96.9	90.7	84.5	77.4	70.9	66.2	63.4	61.8	60.8	60.4	59.9	57.9	
-60	142	141	141	143	142	135	128	119	112	101	91.6	82.2	76.2	71.1	67.1	64.2	61.4	57.9	
-55	188	186	186	185	184	177	165	150	139	126	114	103	92.5	82.0	73.4	66.8	61.1	55.9	
-50	256	254	251	248	245	233	209	190	173	157	143	128	109	91.7	77.7	66.5	57.6	50.4	
-45	306	302	298	291	281	263	240	220	202	184	172	149	125	103	84.8	69.2	57.0	48.4	
-40	381	378	371	361	344	318	293	274	254	234	222	195	161	131	105	81.5	62.4	49.1	
-35	426	422	413	403	386	362	339	326	371	409	369	245	180	144	114	86.1	64.2	50.1	
-30	492	484	472	459	440	418	402	432	644	652	483	264	185	148	112	81.4	59.5	48.4	
-25	633	628	624	622	617	614	625	666	818	830	680	413	208	158	118	84.5	61.0	50.2	
-20	845	845	847	859	875	895	936	994	1054	1101	1048	812	364	192	145	104	71.7	55.7	
-15	934	932	929	936	946	960	996	1057	1150	1267	1297	1074	485	198	147	103	70.6	55.1	
-10	1066	1058	1051	1051	1053	1064	1108	1196	1378	1599	1649	1184	378	183	129	87.2	60.6	52.9	
-5	1098	1091	1088	1095	1106	1132	1203	1339	1552	1783	1890	1405	477	184	127	84.5	58.2	51.8	
0	1241	1231	1222	1221	1238	1292	1387	1537	1782	2004	2238	2017	1034	213	142	93.3	60.3	48.9	
5	1480	1464	1451	1445	1481	1559	1693	1909	2285	2500	2667	2344	1208	230	138	88.9	56.0	45.5	
10	1855	1837	1828	1851	1929	2059	2262	2643	3101	3313	3298	2387	819	190	111	66.5	43.0	42.0	
15	2059	2077	2090	2129	2234	2415	2710	3213	3613	3836	3735	2605	827	206	112	64.3	41.2	40.7	
20	2335	2415	2468	2514	2622	2829	3180	3786	4279	4563	4581	3654	1647	297	149	76.9	44.8	36.7	
25	2636	2728	2811	2886	3044	3335	3838	4459	4824	5005	4852	3648	1461	307	153	76.2	44.6	37.1	
30	3130	3221	3359	3516	3820	4352	5153	5561	5676	5577	4790	2666	546	242	117	58.5	38.9	39.7	
35	3479	3589	3757	3987	4369	4916	5573	5998	6076	5703	4526	2226	505	239	116	58.1	39.3	40.1	
40	3961	4068	4250	4532	4962	5571	6027	6474	6774	6256	4994	2599	605	307	154	73.3	44.4	39.1	
45	4548	4678	4847	5075	5491	6048	6546	6990	7185	6301	4346	1933	523	279	142	69.3	43.1	38.8	
50	5497	5648	5804	5988	6469	6972	7531	7862	7474	5204	2216	548	323	184	93.4	50.7	38.4	39.8	
55	5667	5828	5981	6147	6643	7310	7778	7645	6787	4118	1542	473	282	159	83.7	47.3	37.1	38.7	
60	5847	6031	6193	6319	6603	7466	8129	7785	6446	3983	738	422	267	158	86.8	50.1	36.4	35.8	
65	4506	4634	4744	4828	5252	6022	6326	5664	4399	2548	542	326	207	126	71.9	43.8	34.2	34.5	
70	2515	2555	2577	2671	3628	3892	3145	2126	838	300	222	157	97.2	65.8	42.2	32.0	31.2	33.8	
75	1576	1605	1628	1690	2269	2437	1952	1322	533	201	151	108	69.4	49.4	34.9	29.1	29.5	32.3	
80	166	174	193	214	222	253	192	134	90.5	58.5	45.3	39.1	29.3	25.8	24.0	24.2	25.9	28.6	
85	103	109	120	133	138	157	120	85.4	59.2	40.0	32.3	28.8	23.3	21.7	21.3	22.3	24.3	27.1	
90	9.87	10.4	11.0	11.8	12.3	12.4	12.6	12.4	12.2	12.4	13.0	13.7	14.7	16.2	18.1	20.5	23.1	26.0	

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: