

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	557.5 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	143.7V x 165.8H
	At 50% of Imax	68.7V x 156.3H
	At 90% of Imax	28.6V x 151.4H

Beam Flux	Total	999.9 lumens per klm.
	To 10% of Imax	961.4 lumens per klm.
	To 50% of Imax	536.2 lumens per klm.
	To 90% of Imax	61.0 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

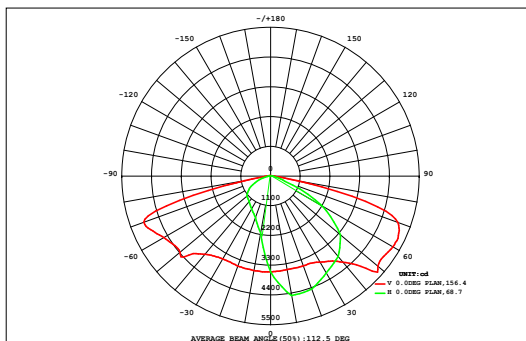
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(B) Range:-90 - 90DEG  
H(B) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-11-01

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:0.4643A P:101.0W PF:0.9842 Freq:49.99Hz Lamp Flux:15238.6x1 lm		
NAME: LUX-AL-100-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:150.95lm/W	
MODEL	LED	Imax(cd)	8496
NOMINAL POWER(W)	100	AVAILABILITY(%)	96.2
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	14653
NOMINAL FLUX(lm)	15238.6	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	15239
TEST VOLTAGE(V)	230	θ @50% (H,V)	156,69DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm			Φ t	Φ a
	0.11	0.38	0.91	2.79	2.82	2.19	2.13	2.41	2.45	2.52	2.58	2.48	2.85	4.21	3.41	1.01	0.43	0.12	35.8	0.00		
90	0.12	1.40	7.34	11.7	10.1	9.57	9.60	10.3	10.5	10.7	11.1	11.2	11.9	14.9	19.2	8.91	1.34	0.16	160	33.8		
80	0.18	5.25	35.0	45.2	38.9	37.7	39.1	40.4	40.4	42.4	44.3	44.0	45.1	52.6	64.7	39.3	5.06	0.23	620	582		
70	0.32	14.3	70.6	91.7	87.5	84.2	85.3	85.1	84.0	89.1	94.6	95.2	99.1	111	115	76.6	13.5	0.35	1297	1293		
60	0.48	25.1	89.8	119	123	118	113	110	110	115	124	132	141	149	138	95.9	24.1	0.53	1727	1725		
50	0.70	32.7	97.4	127	137	133	124	119	120	125	136	151	166	166	146	102	31.5	0.72	1914	1912		
40	0.90	36.0	94.6	120	135	136	130	127	129	132	140	154	169	166	139	97.8	34.5	0.91	1941	1939		
30	1.01	34.8	83.1	104	124	126	126	130	135	137	136	139	147	150	121	86.1	33.4	1.05	1815	1813		
-30	1.01	30.4	68.0	86.1	102	103	109	118	123	123	119	112	112	119	100	72.5	30.4	1.13	1529	1528		
	0.93	25.7	56.4	69.5	77.3	77.3	80.9	84.1	85.6	85.3	83.7	81.7	81.7	88.7	80.9	62.0	27.1	1.13	1150	1148		
	0.85	21.5	48.8	55.2	54.3	51.2	52.8	55.0	56.4	56.8	56.1	54.1	54.3	62.7	63.2	53.7	23.1	1.03	821	819		
	0.72	16.9	42.0	40.9	35.9	35.6	39.6	43.1	45.4	45.7	43.8	40.6	38.5	42.5	46.5	45.9	18.9	0.90	623	621		
	0.58	12.4	34.6	28.7	25.7	29.6	34.5	38.0	39.9	39.9	38.4	35.4	33.6	31.2	33.1	37.9	14.2	0.72	508	505		
	0.43	7.72	26.1	20.8	20.5	25.8	32.2	35.4	36.0	36.3	36.1	33.9	29.9	24.2	24.6	29.0	9.35	0.56	429	424		
	0.32	4.01	15.6	15.5	15.6	20.5	28.2	30.5	30.9	31.5	31.4	30.5	23.3	18.3	18.9	18.2	5.01	0.42	339	281		
	0.25	1.61	6.02	9.41	10.1	13.1	18.0	19.9	20.8	21.1	20.5	19.6	14.6	12.2	11.9	7.70	2.20	0.32	209	28.5		
	0.21	0.75	1.69	3.63	4.62	5.94	7.83	8.80	9.16	9.21	8.98	8.35	6.84	6.00	4.85	2.36	0.99	0.26	90.5	0.00		
	0.20	0.56	0.86	1.21	1.63	2.02	2.43	2.59	2.63	2.69	2.72	2.69	2.39	2.06	1.47	1.02	0.66	0.22	30.1	0.00		
-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)					20	30	40	50	60	70	80	90		
Φ t	9.33	271	779	952	1006	1011	1034	1058	1080	1106	1129	1147	1179	1220	1132	838	276	10.8	15239	---		
Φ a	0.84	256	764	921	958	963	991	1014	1035	1061	1084	1104	1131	1178	1109	823	260	0.84	---	14653		

one-half-peak spread: U:19.2,D:49.8 , L:8.1,R:14.4

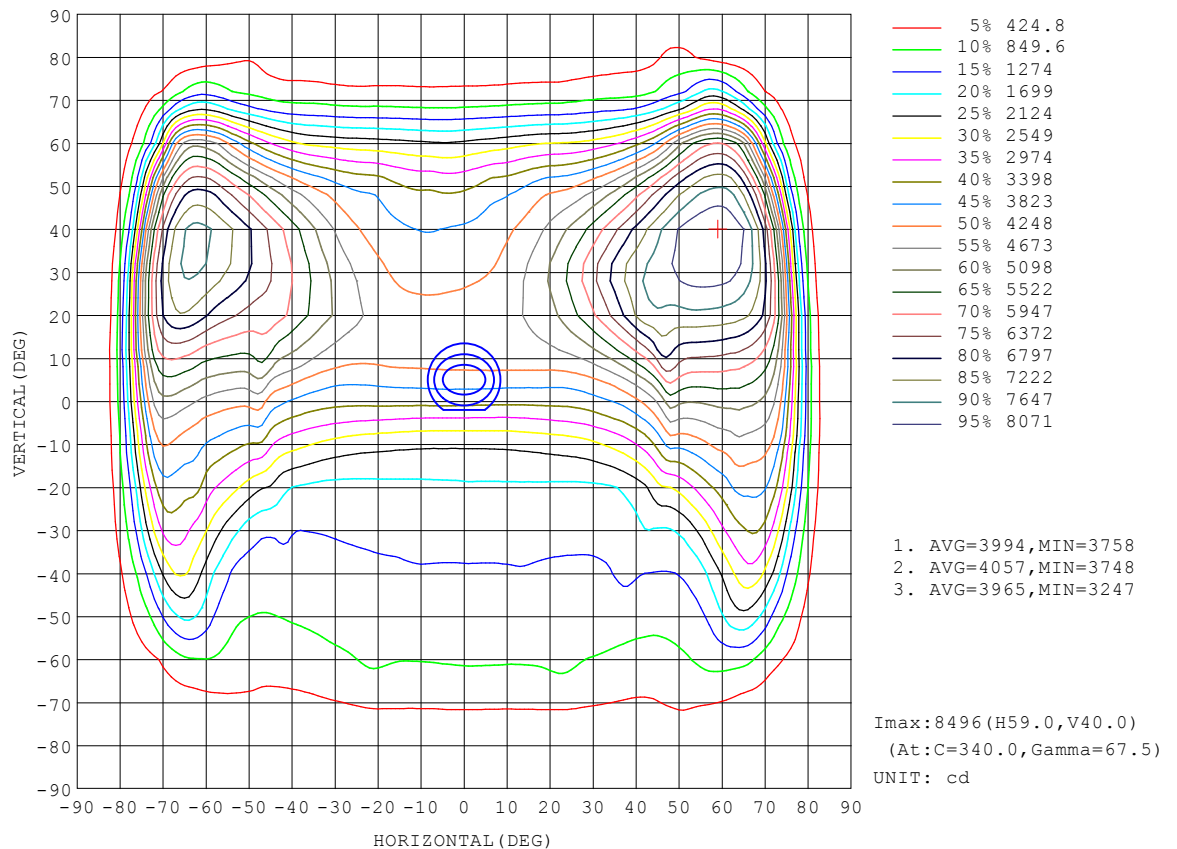
NEMA Beam Type: Type 7

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:0.4643A P:101.0W PF:0.9842 Freq:49.99Hz Lamp Flux:15238.6x1 lm		
NAME: LUX-AL-100-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

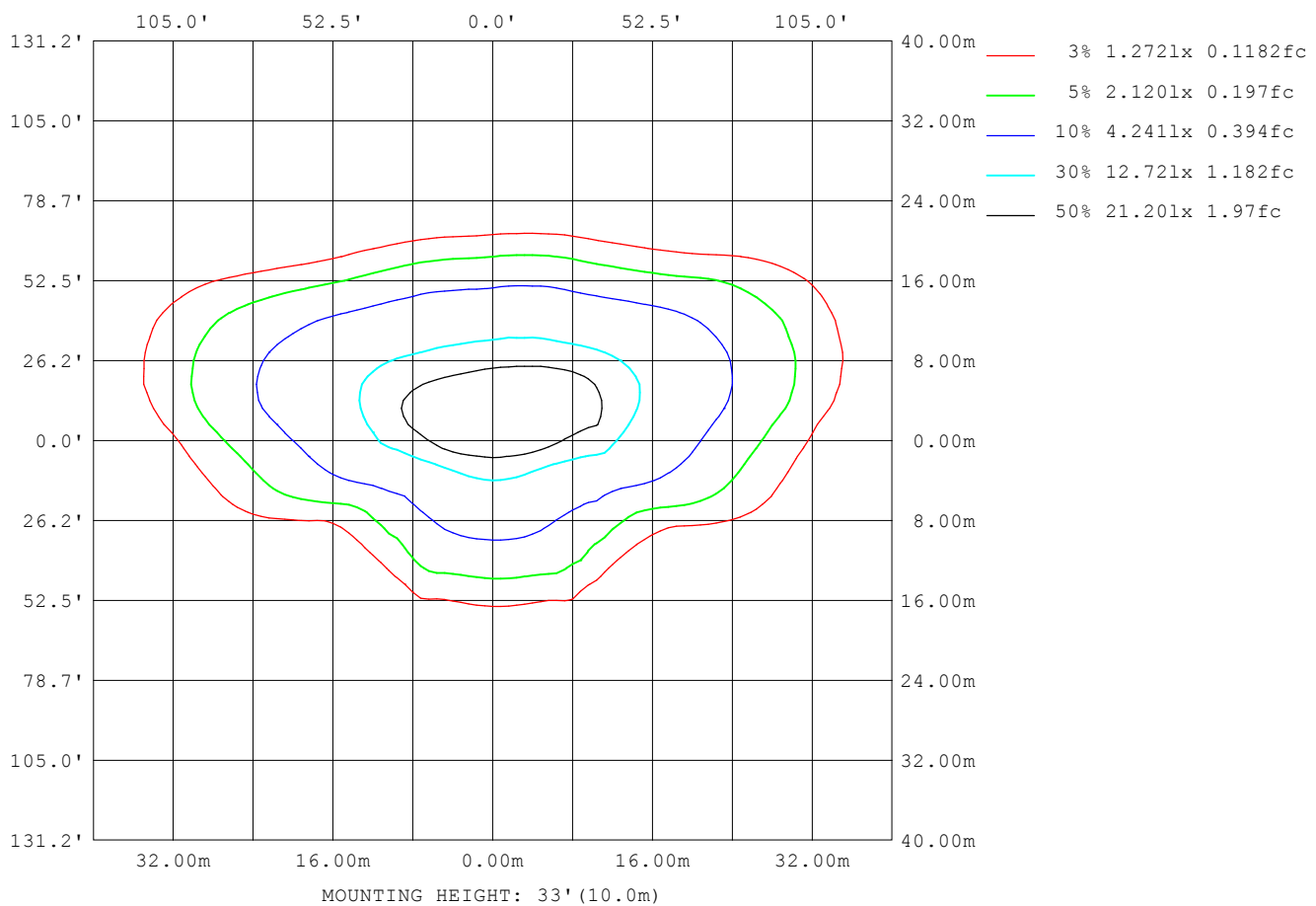


H(B) Range:-90 - 90DEG  
H(B) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-11-01

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

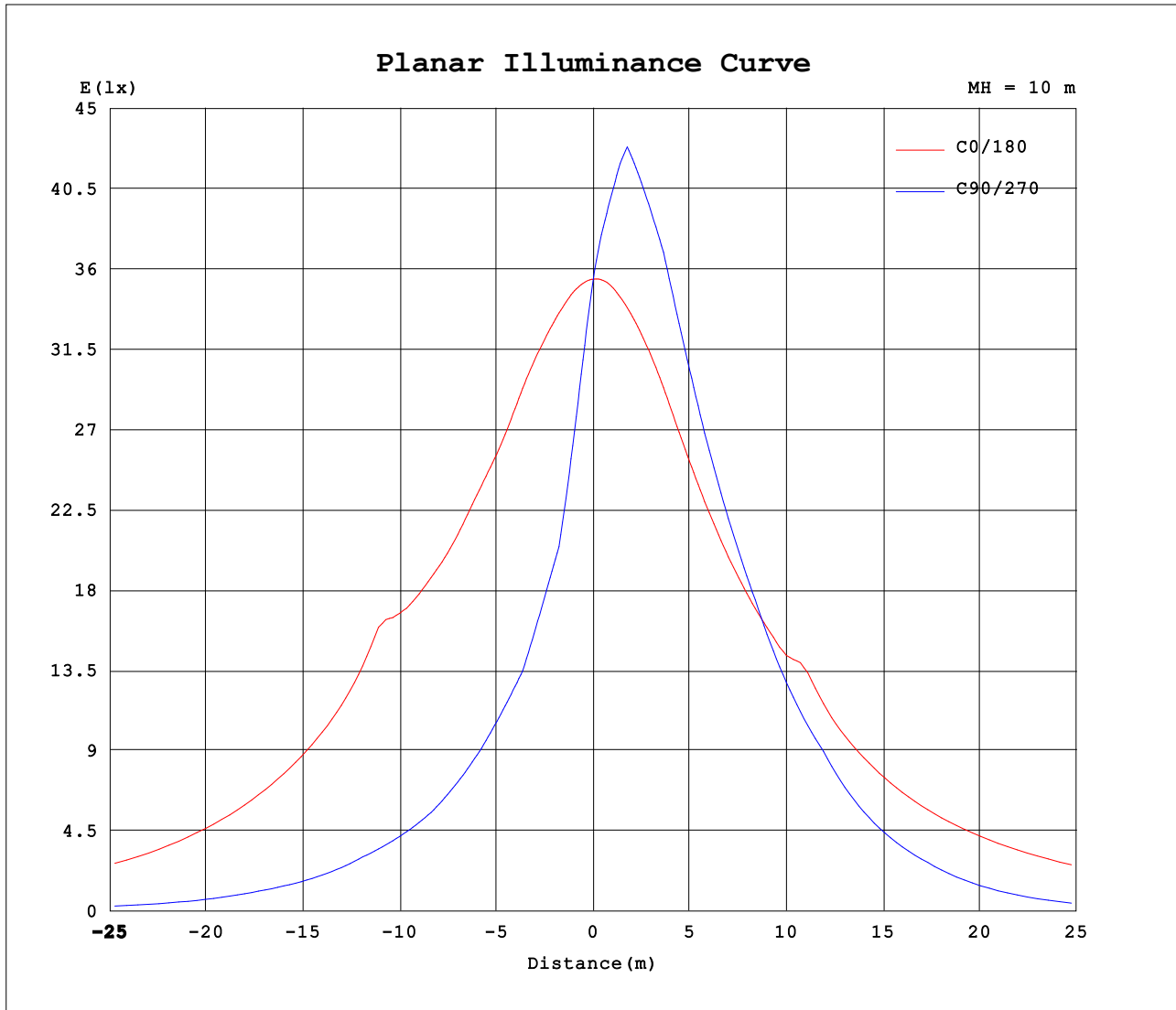
Test:U:220.9V I:0.4643A P:101.0W PF:0.9842 Freq:49.99Hz Lamp Flux:15238.6x1 lm		
NAME: LUX-AL-100-TypeII-III-SCL-C15021	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.3*0.25*0.1	SERIAL No.:
MFR.:	SUR.:0.1*0.2	Shielding Angle:SCL-PC



H(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:

## Planar Illuminance Curve

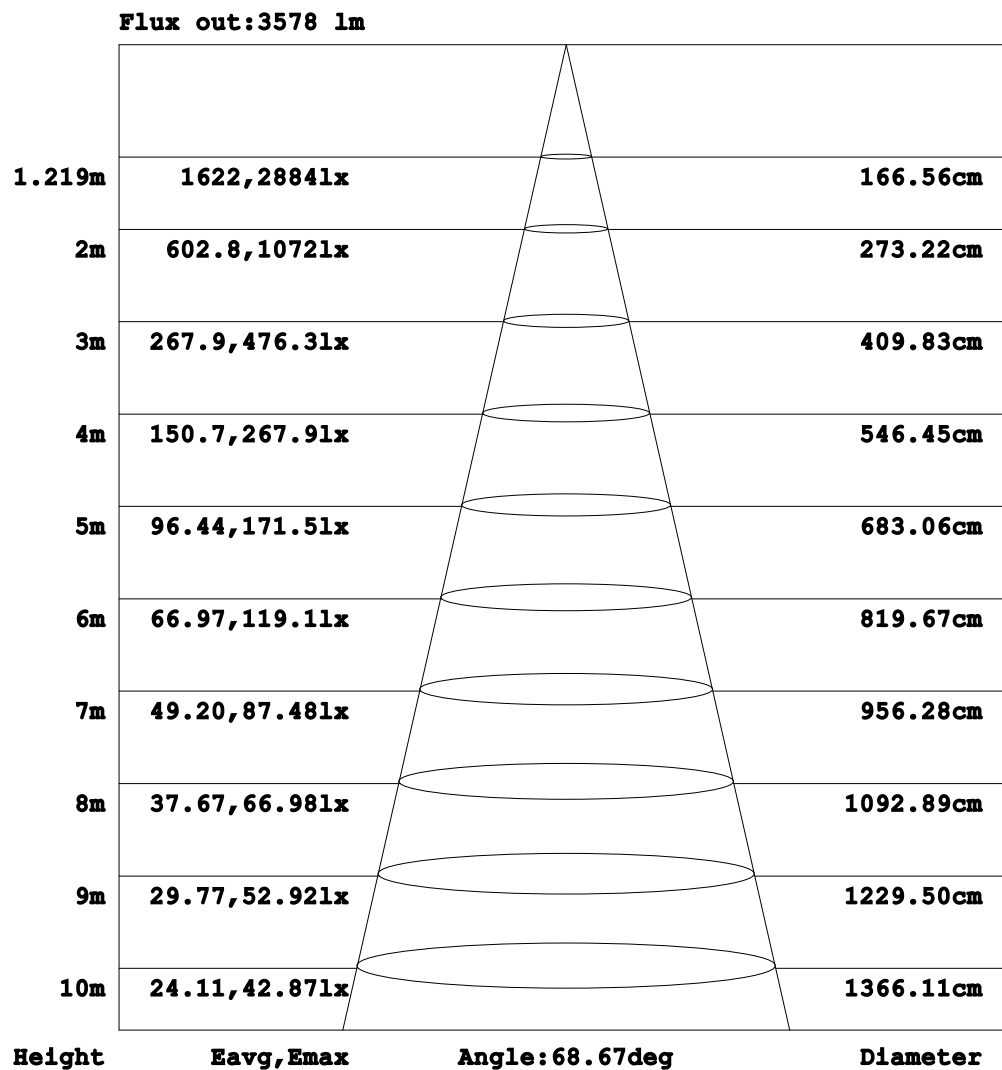


H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-11-01

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:0.4643A P:101.0W PF:0.9842 Freq:49.99Hz Lamp Flux:15238.6x1 lm		
NAME: LUX-AL-100-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:0.4643A P:101.0W PF:0.9842 Freq:49.99Hz Lamp Flux:15238.6x1 lm		
NAME: LUX-AL-100-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	76.3	74.2	70.8	67.5	64.3	61.3	59.3	58.7	58.4	58.4	58.4	58.5	58.4	57.8	56.9	55.9	55.1	54.6	54.4
-85	76.0	74.9	72.2	70.6	69.2	67.7	67.2	70.2	74.7	75.4	76.6	79.5	83.1	86.6	86.9	85.5	84.8	84.8	85.1
-80	75.6	75.9	74.2	75.3	76.7	77.3	79.0	87.3	99.1	101	104	111	120	130	132	130	129	130	131
-75	75.4	77.6	81.9	91.5	105	121	160	187	203	189	194	213	235	255	268	267	266	270	271
-70	75.1	80.0	93.4	116	146	187	281	337	358	322	330	366	408	443	472	472	472	479	481
-65	75.0	83.4	110	181	281	428	505	505	462	430	451	490	539	604	660	630	631	644	653
-60	74.8	88.4	136	278	483	790	842	756	618	593	634	675	736	846	943	867	870	891	912
-55	75.4	94.8	179	417	805	1190	1100	847	713	690	736	784	870	982	1063	989	980	992	1008
-50	76.2	105	244	626	1288	1791	1488	984	854	836	889	948	1070	1185	1244	1174	1146	1144	1151
-45	77.2	110	295	802	1637	2106	1672	1127	937	926	967	1011	1090	1180	1229	1194	1186	1179	1184
-40	78.8	118	371	1066	2159	2579	1948	1342	1061	1061	1084	1105	1119	1171	1208	1225	1244	1233	1233
-35	79.1	124	447	1311	2519	2778	2192	1581	1225	1158	1167	1172	1197	1238	1265	1280	1301	1301	1303
-30	79.7	134	561	1678	3059	3076	2558	1939	1470	1302	1290	1271	1313	1337	1350	1363	1385	1402	1409
-25	76.5	134	618	1908	3297	3265	2810	2272	1825	1616	1452	1403	1409	1423	1438	1451	1469	1484	1496
-20	71.8	133	702	2254	3653	3548	3188	2771	2358	2088	1696	1601	1553	1552	1569	1584	1594	1607	1626
-15	67.3	133	770	2523	3901	3755	3433	3096	2766	2462	2097	1965	1881	1845	1836	1824	1817	1821	1832
-10	60.4	133	871	2926	4273	4065	3800	3584	3376	3024	2699	2511	2373	2284	2236	2183	2151	2142	2141
-5	56.5	129	901	3115	4537	4313	4064	3901	3786	3464	3147	2983	2867	2791	2741	2697	2664	2660	2655
0	51.2	128	978	3499	4990	4814	4559	4406	4383	4059	3777	3617	3538	3522	3539	3544	3544	3553	3544
5	48.2	126	1026	3725	5333	5220	4949	4817	4812	4560	4252	3999	3859	3834	3862	3896	3914	3939	3939
10	44.7	129	1090	4189	5946	5868	5573	5467	5455	5458	4989	4714	4460	4367	4386	4419	4439	4470	4488
15	43.3	126	1077	4329	6289	6397	6074	5868	5768	5747	5328	4998	4697	4525	4430	4420	4426	4451	4474
20	41.1	123	1056	4540	6803	7190	6826	6470	6236	6181	5835	5425	5054	4762	4497	4421	4407	4423	4453
25	40.7	114	1004	4495	6869	7410	7146	6786	6484	6278	5895	5444	5038	4717	4448	4319	4276	4285	4324
30	39.9	101	925	4427	6967	7739	7625	7260	6855	6424	5985	5474	5014	4650	4374	4164	4079	4078	4129
35	39.9	92.6	800	3988	6758	7692	7665	7290	6851	6367	5874	5342	4866	4505	4241	4055	3971	3979	4032
40	39.8	79.6	612	3330	6445	7621	7725	7334	6845	6282	5708	5144	4643	4287	4041	3891	3809	3830	3886
45	39.9	73.1	523	2790	5957	7196	7332	6906	6391	5826	5284	4806	4395	4102	3921	3745	3646	3633	3684
50	40.1	63.3	391	1979	5224	6557	6742	6263	5709	5143	4648	4298	4023	3824	3740	3526	3400	3337	3380
55	40.2	58.4	312	1482	4160	5836	6000	5464	4832	4273	3837	3558	3364	3224	3160	3011	2915	2861	2906
60	40.4	51.1	195	736	2564	4755	4888	4266	3516	2969	2622	2448	2376	2324	2289	2240	2188	2148	2195
65	40.7	48.2	150	546	1751	3283	3471	2977	2444	2059	1822	1720	1660	1618	1600	1569	1533	1509	1540
70	41.1	43.9	82.8	262	532	1076	1344	1045	837	693	621	628	586	560	566	562	551	550	558
75	41.5	42.1	67.2	180	354	687	878	750	658	504	448	441	409	393	399	398	390	390	395
80	42.1	39.5	43.9	56.2	86.7	105	179	307	389	221	189	160	143	141	147	153	150	149	152
85	43.0	40.3	41.7	47.9	65.0	74.9	118	194	242	141	121	103	92.8	91.5	95.3	98.9	96.9	96.6	97.9
90	44.4	41.4	38.5	35.5	32.4	29.4	26.6	24.1	21.9	20.3	19.1	18.4	18.0	17.8	17.7	17.6	17.5	17.5	17.5

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:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:220.9V I:0.4643A P:101.0W PF:0.9842 Freq:49.99Hz Lamp Flux:15238.6x1 lm																		
NAME: LUX-AL-100-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	55.1	55.9	57.0	58.4	59.7	60.9	61.5	61.4	60.6	59.3	59.0	61.1	64.7	69.2	73.8	77.9	80.9	79.3	
-85	86.4	87.5	89.5	92.2	93.9	93.4	92.2	91.5	92.7	89.2	83.2	78.6	78.8	80.7	82.9	83.8	83.7	80.1	
-80	133	135	138	143	145	142	138	137	141	134	120	105	100.0	97.9	96.6	92.5	87.9	81.2	
-75	272	270	274	277	275	262	248	235	250	276	247	213	168	140	120	105	91.9	81.7	
-70	479	473	477	478	471	442	414	383	414	488	438	375	271	203	156	123	98.1	82.4	
-65	651	644	648	677	669	593	552	515	528	601	639	635	547	373	247	149	105	83.2	
-60	910	899	905	977	966	820	758	713	699	771	939	1027	961	628	384	188	116	84.5	
-55	1011	1012	1026	1095	1079	985	891	828	808	882	1046	1288	1392	987	541	232	124	85.6	
-50	1163	1180	1207	1274	1249	1231	1090	1000	972	1049	1206	1681	2037	1526	777	298	136	87.3	
-45	1191	1206	1224	1254	1234	1224	1170	1126	1087	1144	1331	1875	2338	1899	983	367	144	88.3	
-40	1233	1244	1250	1225	1211	1214	1291	1315	1260	1287	1519	2167	2790	2459	1291	469	156	89.8	
-35	1300	1302	1298	1279	1271	1273	1335	1409	1405	1460	1796	2462	3017	2785	1547	541	161	90.4	
-30	1401	1389	1371	1362	1360	1362	1400	1551	1621	1718	2211	2904	3357	3275	1930	649	169	91.3	
-25	1491	1485	1472	1462	1456	1464	1514	1692	1945	2097	2583	3171	3592	3506	2208	729	174	88.7	
-20	1626	1627	1622	1613	1601	1616	1684	1905	2431	2666	3141	3572	3946	3854	2624	850	183	84.8	
-15	1834	1843	1860	1878	1893	1945	2070	2325	2870	3172	3538	3895	4189	4064	2835	908	180	80.6	
-10	2147	2168	2218	2276	2332	2438	2649	2957	3528	3930	4133	4379	4555	4380	3152	995	177	74.4	
-5	2652	2654	2692	2749	2819	2944	3148	3447	4000	4436	4525	4705	4781	4624	3385	1050	178	71.1	
0	3530	3512	3517	3534	3554	3676	3845	4161	4727	5184	5139	5228	5216	5002	3644	1065	172	67.1	
5	3936	3915	3904	3895	3925	4071	4310	4709	5347	5738	5600	5636	5565	5275	3808	1077	167	65.4	
10	4507	4518	4531	4537	4633	4854	5212	5695	6621	6480	6340	6274	6130	5715	3965	1041	155	64.3	
15	4507	4546	4607	4711	4938	5268	5733	6319	7012	6891	6822	6759	6603	6104	4108	1022	151	64.7	
20	4507	4587	4721	4971	5395	5891	6514	7256	7599	7508	7545	7486	7313	6688	4324	995	146	65.2	
25	4392	4521	4734	5058	5527	6081	6720	7386	7714	7785	7866	7812	7578	6783	4199	914	138	65.7	
30	4218	4423	4754	5188	5725	6367	7029	7581	7885	8201	8348	8300	7975	6927	4011	792	126	66.4	
35	4133	4325	4627	5027	5514	6096	6731	7310	7745	8160	8374	8371	8014	6791	3682	711	120	66.3	
40	4007	4177	4437	4785	5196	5691	6284	6903	7534	8099	8414	8477	8074	6587	3189	589	112	66.0	
45	3843	3992	4247	4535	4829	5244	5768	6379	7044	7660	8053	8172	7645	6013	2605	494	105	64.7	
50	3597	3714	3962	4160	4278	4572	4995	5592	6309	7003	7510	7714	7002	5153	1729	351	94.3	62.8	
55	3073	3179	3369	3516	3599	3823	4164	4670	5348	6193	6806	7003	6249	4139	1307	287	87.2	60.6	
60	2286	2376	2479	2550	2580	2699	2917	3288	3907	4979	5750	5936	5118	2618	674	190	76.4	57.2	
65	1597	1658	1729	1775	1810	1908	2051	2291	2746	3514	4240	4399	3560	1775	495	151	70.1	55.2	
70	564	581	603	612	654	722	752	794	1004	1317	1974	2093	1222	510	227	93.0	60.5	52.2	
75	400	413	427	432	459	506	540	574	753	1006	1331	1329	784	345	164	78.3	55.8	50.6	
80	154	160	164	163	166	181	221	243	376	539	368	184	125	96.6	70.7	56.1	48.9	48.0	
85	99.2	103	106	105	107	117	141	154	235	333	231	122	87.5	71.6	57.3	49.8	46.5	46.8	
90	17.6	17.8	17.9	18.1	18.6	19.1	19.7	20.6	21.9	23.7	25.9	28.2	30.9	34.1	37.3	40.3	42.9	44.9	

**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:**