

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

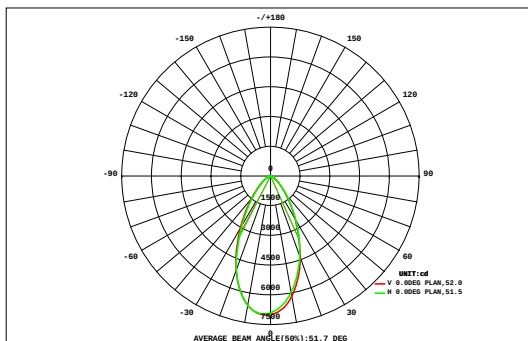
Maximum Intensity (Luminaire orientation as tested.)		20300.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	95.8V x 96.1H
	At 50% of Imax	51.6V x 52.0H
	At 90% of Imax	20.6V x 21.6H
Beam Flux	Total	18605.8 lumens per klm.
	To 10% of Imax	16432.1 lumens per klm.
	To 50% of Imax	9268.2 lumens per klm.
	To 90% of Imax	2001.9 lumens per klm.
Upward LOR		0.0 %
Downward LOR		1860.6 %
Luminaire Efficiency(Light Output Ratio)		1860.3 %

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kevin
Test Date:29 July 2025

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE 60-2000A_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:9.060m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.8V I:0.3295A P:71.42W PF:0.9863 Freq:49.99Hz Lamp Flux:28.7909x12 lm		
NAME:Auroring-254mm-3000K-50D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:50 DEG	DIA.:254mm	SERIAL No.:
MFR.:Luminoscape	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:89.98lm/W	
MODEL		Imax(cd)	7014
NOMINAL POWER(W)	72	AVAILABILITY(%)	1643.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	5677
NOMINAL FLUX(lm)	28.7909	LOR(%)	1860.3
LAMPS INSIDE	12	TOTAL FLUX(lm)	6427
TEST VOLTAGE(V)	220	θ @50%(H,V)	52,52DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.02	0.04	0.08	0.12	0.16	0.20	0.22	0.21	0.19	0.16	0.12	0.08	0.04	0.01	0.00	1.64	0.00
90	0.00	0.01	0.08	0.27	0.59	1.01	1.45	1.83	2.11	2.20	2.09	1.81	1.40	0.95	0.55	0.24	0.06	0.01	16.7	0.00
80	0.00	0.05	0.32	0.91	1.78	2.86	3.99	4.97	5.63	5.78	5.38	4.55	3.47	2.34	1.34	0.59	0.16	0.01	44.1	0.00
70	0.00	0.12	0.66	1.75	3.36	5.48	7.98	10.4	12.2	12.6	11.3	9.09	6.48	4.15	2.32	1.02	0.27	0.02	89.3	0.00
60	0.01	0.22	1.05	2.72	5.42	9.60	15.6	22.4	27.6	28.6	24.8	18.2	11.6	6.67	3.44	1.47	0.40	0.03	180	94.1
50	0.01	0.32	1.44	3.77	8.20	16.4	30.0	46.9	60.3	62.8	52.6	36.0	20.5	10.3	4.75	1.92	0.51	0.04	357	312
40	0.02	0.40	1.79	4.85	11.6	26.3	52.1	85.5	113	118	96.6	63.0	33.3	14.9	6.15	2.33	0.62	0.05	631	597
30	0.02	0.47	2.06	5.80	15.0	36.7	76.2	128	170	177	145	92.0	46.6	19.6	7.39	2.64	0.69	0.05	925	896
20	0.02	0.50	2.22	6.39	17.3	43.5	91.6	154	200	206	171	110	55.0	22.4	8.14	2.82	0.73	0.05	1091	1064
10	0.02	0.50	2.20	6.32	17.0	42.1	87.4	145	188	197	165	107	54.2	22.3	8.13	2.82	0.73	0.05	1046	1019
0	0.02	0.46	2.03	5.63	14.3	34.2	69.8	115	149	156	131	86.0	44.8	19.3	7.38	2.64	0.69	0.05	838	808
-10	0.02	0.39	1.74	4.64	11.0	24.4	47.4	75.7	97.9	102	85.8	57.8	31.6	14.6	6.12	2.33	0.61	0.05	564	530
-20	0.01	0.31	1.39	3.62	7.79	15.5	27.7	42.2	53.5	55.7	47.6	33.5	19.7	10.1	4.72	1.92	0.51	0.04	326	279
-30	0.01	0.21	1.01	2.62	5.23	9.20	14.6	20.8	25.5	26.4	23.3	17.4	11.4	6.60	3.43	1.47	0.39	0.03	170	77.2
-40	0.00	0.12	0.63	1.69	3.29	5.35	7.73	10.1	11.7	12.1	11.1	8.93	6.45	4.15	2.31	1.01	0.27	0.02	86.9	0.00
-50	0.00	0.04	0.30	0.87	1.74	2.82	3.93	4.94	5.59	5.76	5.39	4.55	3.48	2.35	1.33	0.58	0.15	0.01	43.8	0.00
-60	0.00	0.01	0.07	0.25	0.57	0.99	1.44	1.86	2.13	2.22	2.12	1.82	1.41	0.96	0.54	0.23	0.06	0.01	16.7	0.00
-70	0.00	0.00	0.00	0.01	0.04	0.08	0.13	0.18	0.22	0.25	0.25	0.22	0.18	0.13	0.08	0.04	0.01	0.00	1.82	0.00
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORIZONTAL (DEG)																				
Φ t	0.16	4.12	19.0	52.1	124	277	539	870	1124	1170	980	652	352	162	68.2	26.1	6.87	0.52	6427	---
Φ a	0.00	0.00	0.00	0.00	42.3	218	486	819	1074	1119	929	601	296	92.1	0.00	0.00	0.00	0.00	---	5677

one-half-peak spread: U:24.7,D:23.8 , L:26.4,R:25.9

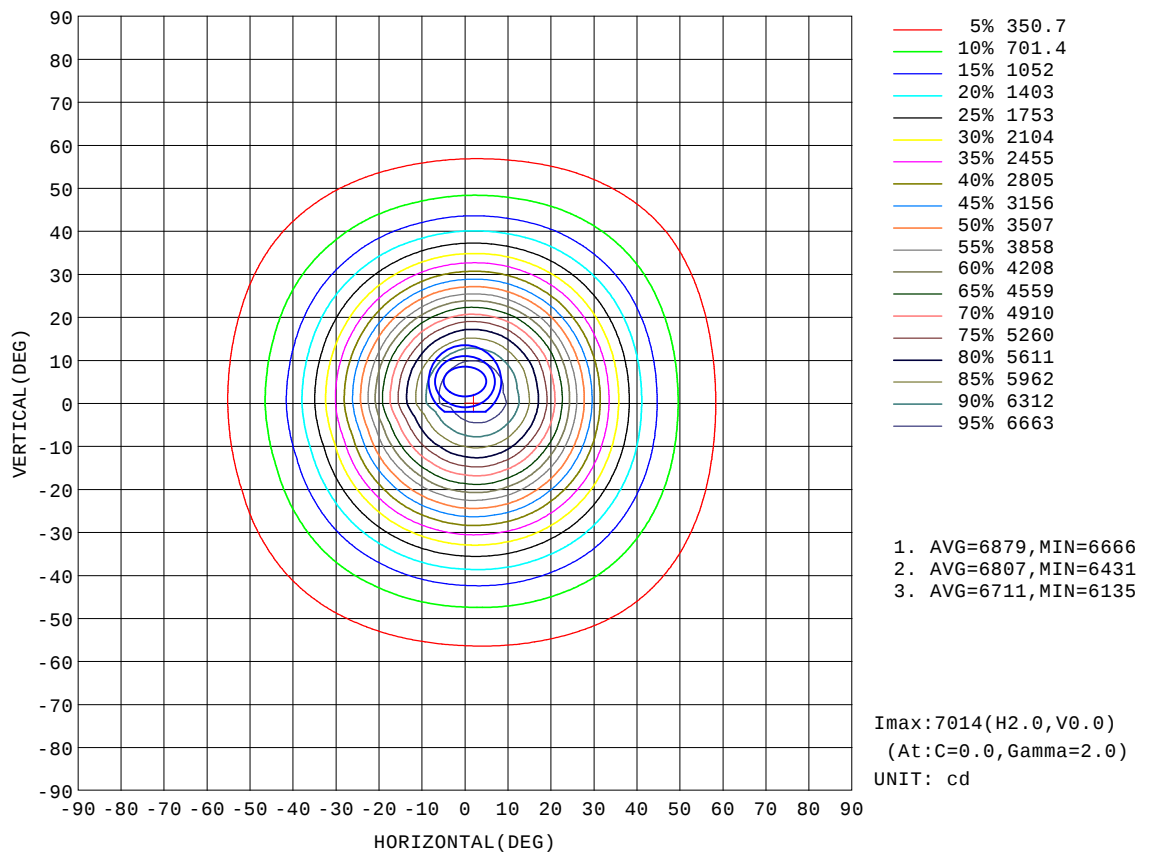
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kevin
Test Date:29 July 2025

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE 60-2000A_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:9.060m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.8V I:0.3295A P:71.42W PF:0.9863 Freq:49.99Hz Lamp Flux:28.7909x12 lm		
NAME:Auroring-254mm-3000K-50D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:50 DEG	DIA.:254mm	SERIAL No.:
MFR.:Luminoscope	SUR.:	Shielding Angle:

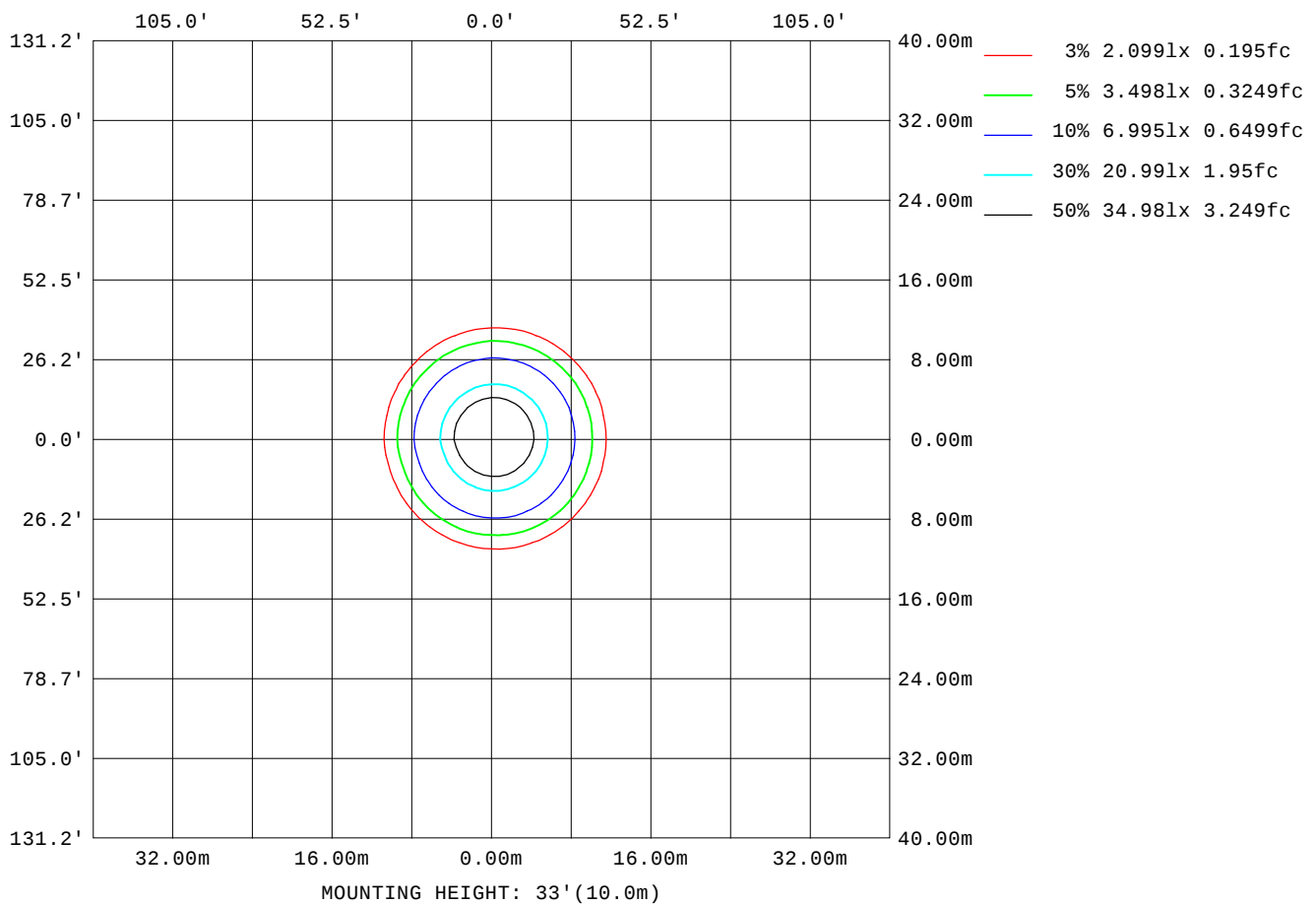


H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kevin
Test Date:29 July 2025

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE 60-2000A_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:9.060m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

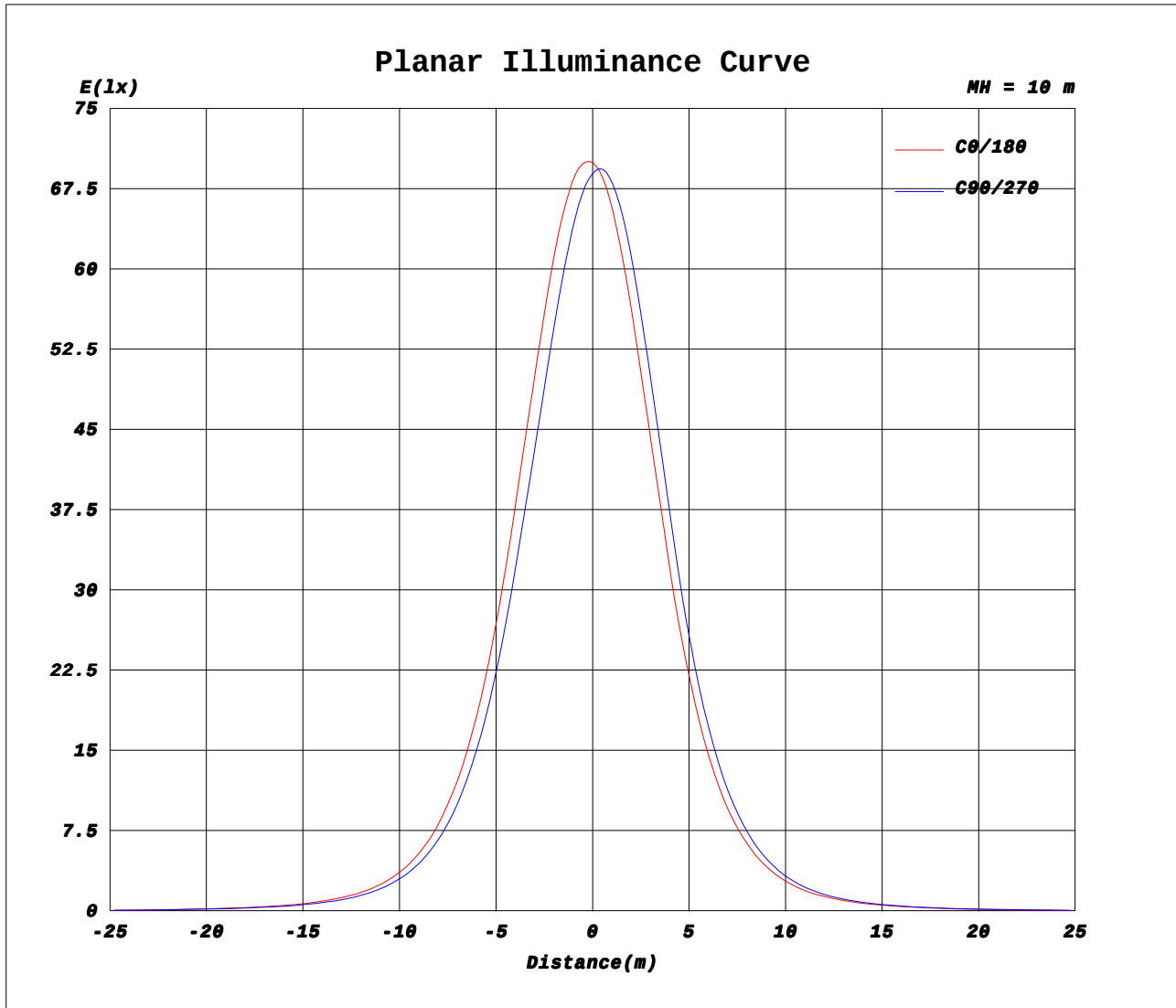
Test:U:219.8V I:0.3295A P:71.42W PF:0.9863 Freq:49.99Hz Lamp Flux:28.7909x12 lm		
NAME:Auroring-254mm-3000K-50D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:50 DEG	DIA.:254mm	SERIAL No.:
MFR.:Luminoscape	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kevin
Test Date:29 July 2025

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE 60-2000A_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:9.060m [K=1.0000]
Remarks:

Planar Illuminance Curve

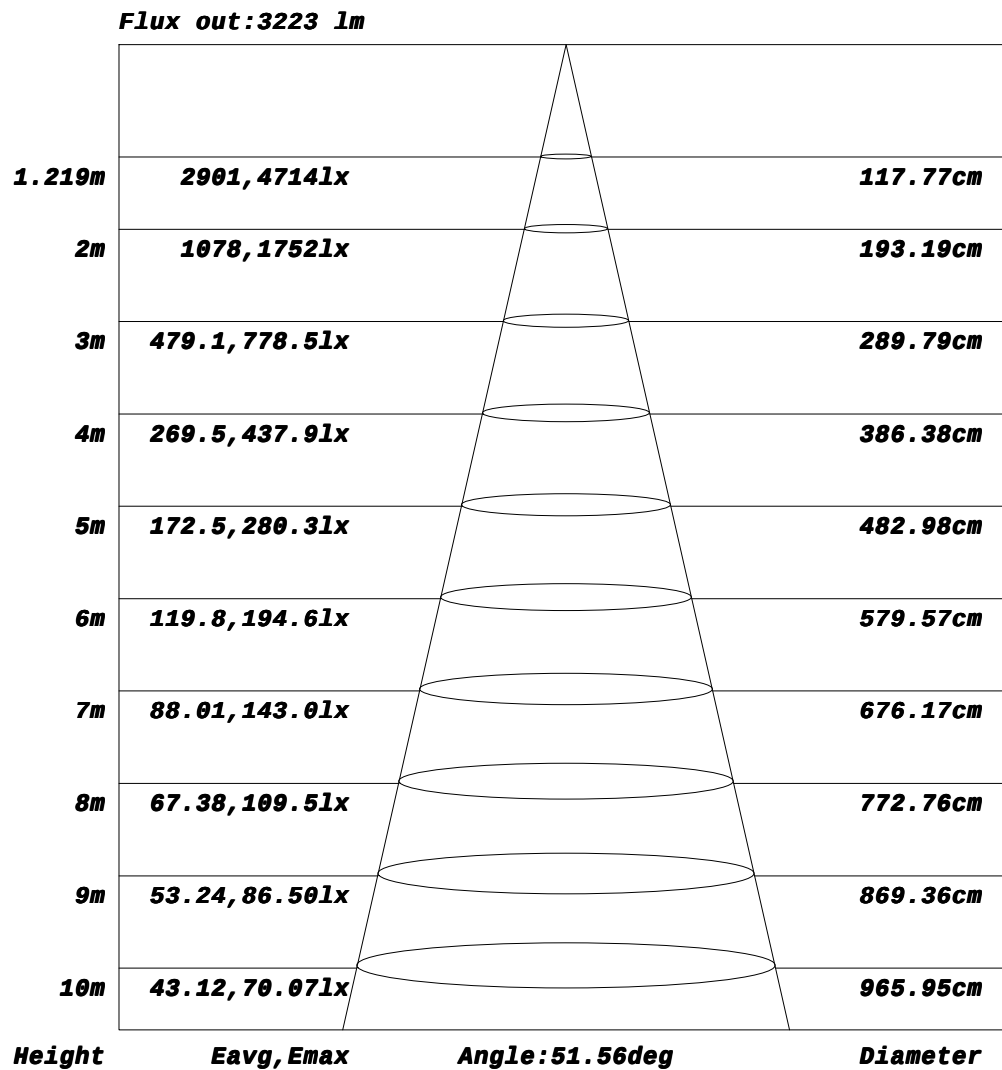


H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Kevin
Test Date: 29 July 2025

V(β) Range: -90 - 90DEG
V(β) Interval: 0.5DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 9.060m [K=1.0000]
Remarks:

AAI Figure

Test:U:219.8V I:0.3295A P:71.42W PF:0.9863 Freq:49.99Hz Lamp Flux:28.7909x12 lm		
NAME:Auroring-254mm-3000K-50D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:50 DEG	DIA.:254mm	SERIAL No.:
MFR.:Luminoscape	SUR.:	Shielding Angle:



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: 0.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Kevin
Test Date: 29 July 2025

V(B) Range: -90 - 90DEG
V(B) Interval: 0.5DEG
Test System: EVERFINE 60-2000A_V1 SYSTEM V2.0.353
Humidity: 65.0%
Test Distance: 9.060m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.8V I:0.3295A P:71.42W PF:0.9863 Freq:49.99Hz Lamp Flux:28.7909x12 lm		
NAME:Auroring-254mm-3000K-50D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:50 DEG	DIA.:254mm	SERIAL No.:
MFR.:Luminoscope	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.01	0.05	0.15	0.34	0.47	0.61	0.74	0.93	1.21	1.60	1.99	2.35	2.69	3.00	3.29	3.52
-80	0.00	0.00	0.06	0.29	0.64	1.08	1.77	3.27	5.35	8.13	10.8	13.4	16.2	19.4	22.5	25.2	27.3	28.9	30.0
-75	0.00	0.04	0.33	0.77	1.87	4.29	7.98	13.3	19.2	25.3	31.7	38.1	44.2	50.7	56.5	61.6	65.5	68.4	70.3
-70	0.00	0.09	0.66	1.86	5.27	11.3	19.6	28.9	38.9	49.5	60.7	71.7	82.0	92.0	101	109	115	120	122
-65	0.00	0.17	1.09	4.19	10.9	21.9	34.3	48.2	63.7	79.9	96.4	112	127	141	154	166	175	181	185
-60	0.00	0.33	1.83	7.49	19.0	33.9	51.2	70.7	92.0	114	136	158	179	200	220	238	252	263	269
-55	0.00	0.48	3.21	12.1	27.8	47.1	70.0	95.0	122	151	181	212	243	275	307	336	361	379	388
-50	0.00	0.62	4.84	17.7	37.0	61.5	89.8	121	155	192	233	278	326	377	430	481	524	554	570
-45	0.00	0.76	6.63	23.5	46.5	76.0	110	147	190	239	296	362	438	520	607	693	769	824	852
-40	0.00	0.88	8.88	29.2	56.5	90.4	130	175	228	292	373	470	587	719	860	1005	1128	1218	1262
-35	0.00	1.05	11.1	34.6	66.3	104	149	203	269	354	464	606	784	988	1205	1419	1610	1752	1827
-30	0.00	1.30	13.5	39.7	75.4	118	168	231	313	422	570	772	1027	1320	1636	1955	2225	2429	2541
-25	0.00	1.51	15.6	44.6	83.9	131	186	258	358	496	691	959	1301	1704	2138	2573	2956	3238	3396
-20	0.00	1.69	17.6	48.7	91.5	142	204	285	402	572	818	1159	1590	2117	2675	3247	3750	4136	4324
-15	0.00	1.84	19.2	52.4	97.7	152	220	311	446	642	938	1350	1884	2519	3222	3907	4531	4971	5189
-10	0.00	1.95	20.4	55.0	103	160	232	333	484	712	1050	1515	2123	2868	3697	4517	5206	5698	5971
-5	0.00	2.01	21.2	56.8	106	165	241	348	512	764	1143	1664	2340	3158	4060	4959	5716	6279	6570
0	0.00	2.04	21.5	57.5	107	167	245	356	527	792	1193	1746	2475	3362	4393	5351	6169	6740	6995
5	0.00	2.02	21.3	57.0	106	166	243	352	519	778	1170	1715	2437	3318	4317	5289	6120	6692	6938
10	0.00	1.96	20.6	55.5	103	161	236	340	497	737	1101	1602	2282	3101	4031	4983	5768	6348	6635
15	0.00	1.86	19.5	52.9	99.1	155	225	321	463	675	997	1445	2036	2746	3560	4409	5164	5690	5970
20	0.00	1.73	18.0	49.5	93.2	146	211	297	421	603	872	1249	1732	2324	2991	3673	4315	4780	5039
25	0.00	1.55	16.0	45.4	85.9	135	194	270	375	525	738	1034	1413	1875	2385	2903	3387	3748	3924
30	0.00	1.34	13.9	40.7	77.6	122	175	241	327	446	609	827	1107	1439	1814	2187	2530	2785	2914
35	0.00	1.09	11.6	35.7	68.4	109	155	211	281	373	491	644	836	1070	1326	1577	1804	1975	2061
40	0.00	0.92	9.27	30.3	58.6	94.1	135	181	237	305	391	494	622	773	935	1096	1234	1345	1404
45	0.00	0.79	6.93	24.6	48.5	79.2	114	153	197	247	307	377	460	552	649	743	825	891	926
50	0.00	0.66	5.14	18.8	38.8	64.2	93.4	125	160	198	240	287	339	396	452	505	551	587	607
55	0.00	0.51	3.48	13.1	29.6	49.5	73.1	98.8	126	154	184	217	250	284	317	347	373	393	404
60	0.00	0.37	2.03	8.20	20.5	36.0	53.9	73.7	94.6	116	138	160	182	204	224	241	256	267	274
65	0.00	0.22	1.21	4.70	12.1	23.6	36.6	50.6	65.7	81.4	97.5	114	129	143	155	166	176	183	187
70	0.00	0.13	0.75	2.20	5.95	12.6	21.4	30.9	40.6	50.7	61.7	72.7	83.2	92.7	101	108	114	119	123
75	0.00	0.05	0.41	0.93	2.28	4.97	9.08	14.5	20.3	26.2	32.6	39.0	45.1	51.0	56.2	60.7	64.8	68.0	70.1
80	0.00	0.00	0.14	0.43	0.75	1.28	2.30	3.71	5.71	8.33	11.0	13.5	16.2	18.8	21.3	23.5	25.6	27.3	28.5
85	0.00	0.00	0.00	0.06	0.14	0.22	0.34	0.46	0.60	0.75	0.88	1.08	1.38	1.63	1.86	2.04	2.26	2.45	2.58
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kevin
Test Date:29 July 2025

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE 60-2000A_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:9.060m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.8V I:0.3295A P:71.42W PF:0.9863 Freq:49.99Hz Lamp Flux:28.7909x12 lm																		
NAME:Auroring-254mm-3000K-50D-Rev1									TYPE:3000K					WEIGHT:				
SPEC.:50 DEG									DIA.:254mm					SERIAL No.:				
MFR.:Luminoscape									SUR.:					Shielding Angle:				

Table--2

UNIT: cd

H(DEC) V(DEC)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.14	0.20	0.33	0.45	0.58	0.61	0.64	0.66	0.67	0.68	0.70	
-85	3.81	4.00	4.05	4.15	4.15	4.05	3.94	3.80	3.62	3.34	3.05	2.78	2.17	1.75	1.39	1.01	0.85	0.70	
-80	31.0	31.6	31.6	30.7	29.3	27.4	25.2	22.6	20.0	17.0	13.6	10.3	7.45	5.24	3.43	1.86	1.02	0.70	
-75	71.6	71.8	70.8	68.2	64.7	60.3	55.3	49.6	43.4	36.8	30.3	23.7	17.2	11.0	6.55	3.39	1.38	0.70	
-70	124	123	121	116	110	102	93.7	84.1	73.4	62.1	50.7	39.9	29.4	19.8	11.1	5.38	1.83	0.70	
-65	187	185	181	173	163	151	138	124	108	91.8	75.0	58.8	43.4	29.6	17.3	7.75	2.37	0.70	
-60	271	267	259	246	230	211	190	169	147	124	102	80.0	59.3	40.2	24.1	10.6	3.18	0.70	
-55	391	386	370	346	318	287	255	223	191	160	130	103	76.2	52.0	31.0	14.2	3.94	0.70	
-50	574	561	532	490	441	390	338	288	241	199	161	126	93.9	64.3	38.1	17.8	4.80	0.70	
-45	857	831	776	702	618	531	448	370	301	243	194	150	112	76.5	45.4	21.4	5.69	0.70	
-40	1267	1222	1130	1005	867	725	590	471	373	293	228	174	129	88.4	52.7	25.0	6.51	0.70	
-35	1824	1747	1601	1411	1199	982	773	597	457	349	264	199	146	99.8	59.7	28.2	7.34	0.70	
-30	2532	2416	2210	1926	1610	1292	997	747	553	409	302	223	161	110	66.1	31.2	8.21	0.70	
-25	3381	3218	2921	2521	2085	1644	1248	916	658	473	340	245	175	119	71.9	33.9	8.96	0.70	
-20	4333	4104	3702	3175	2599	2037	1514	1093	767	536	377	266	188	127	76.7	36.2	9.59	0.70	
-15	5202	4956	4504	3842	3117	2404	1773	1263	870	593	408	284	198	134	80.7	38.0	10.1	0.70	
-10	5983	5710	5161	4436	3563	2728	1995	1399	951	637	432	297	206	138	83.6	39.3	10.4	0.70	
-5	6599	6283	5682	4878	3897	2961	2148	1491	1006	667	448	306	211	141	85.3	40.1	10.6	0.70	
0	6970	6627	5960	5087	4070	3074	2218	1528	1026	678	453	309	212	142	85.9	40.3	10.7	0.70	
5	6882	6538	5873	5010	4001	3024	2182	1504	1011	669	448	306	211	141	85.4	40.1	10.7	0.70	
10	6582	6210	5579	4725	3744	2836	2055	1422	961	641	433	298	206	138	83.7	39.4	10.5	0.70	
15	5914	5582	4978	4191	3331	2532	1847	1293	882	596	408	284	198	134	80.9	38.2	10.1	0.70	
20	4991	4701	4168	3517	2816	2160	1589	1129	782	540	377	267	187	127	76.9	36.5	9.66	0.70	
25	3909	3680	3288	2799	2270	1757	1317	952	674	477	341	246	175	119	72.2	34.2	9.05	0.70	
30	2905	2748	2471	2121	1740	1371	1045	776	567	414	303	223	161	110	66.5	31.6	8.31	0.70	
35	2057	1956	1772	1543	1285	1031	804	616	468	353	265	199	145	99.9	60.3	28.7	7.44	0.70	
40	1399	1335	1227	1085	919	756	608	482	381	295	228	174	129	88.7	53.4	25.5	6.61	0.70	
45	924	889	825	743	647	549	456	375	304	244	194	150	112	77.0	46.2	21.9	5.79	0.70	
50	607	588	554	509	456	398	341	289	242	200	161	127	94.4	65.1	39.1	18.3	4.89	0.70	
55	404	395	377	353	323	290	256	222	190	160	131	103	77.0	53.0	32.0	14.7	4.03	0.70	
60	275	270	261	247	231	211	190	168	146	124	103	81.0	60.2	41.4	25.0	11.1	3.27	0.70	
65	188	185	180	173	163	151	138	123	108	91.9	75.8	59.8	44.4	30.7	18.3	8.08	2.46	0.70	
70	123	122	119	115	109	102	93.3	83.5	72.8	62.1	51.3	40.6	30.3	20.7	11.9	5.63	1.91	0.70	
75	71.1	70.9	69.7	67.5	64.5	60.5	55.0	49.0	42.7	36.5	30.5	24.4	17.9	11.8	7.00	3.60	1.45	0.70	
80	29.4	29.7	29.3	28.8	28.0	26.5	23.9	21.4	19.1	16.2	13.5	11.0	7.90	5.50	3.75	2.03	1.06	0.70	
85	2.76	2.85	2.85	3.22	3.42	3.46	3.50	3.52	3.32	3.00	2.74	2.66	2.26	1.91	1.58	1.10	0.88	0.70	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.09	0.19	0.28	0.38	0.48	0.59	0.70	0.70	0.70	0.70	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kevin
Test Date:29 July 2025

V(B) Range:-90 - 90DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE 60-2000A_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:9.060m [K=1.0000]
Remarks: