

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

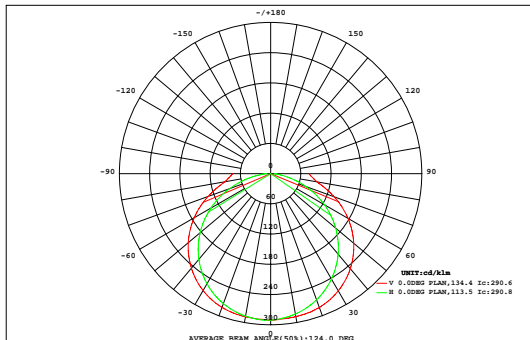
Maximum Intensity (Luminaire orientation as tested.)		290.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	161.3V x 180.0H 113.5V x 134.4H 48.4V x 66.7H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.0 lumens per klm. 997.6 lumens per klm. 752.6 lumens per klm. 214.9 lumens per klm.
	Upward LOR Downward LOR	0.0 % 100.0 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:袁冠彬
Test Date:2017-09-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.24V I:0.3309A P:39.688W PF:0.9975 Freq:59.98Hz Lamp Flux:2255.88x1 lm		
NAME: AUW103643LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.165*0.86+2*0.165*0.06+2*0.165*0.06 Circled Beam Angle:	



DATA OF LAMP		Eff:56.84lm/W	
MODEL	LED	Imax(cd/klm)	290.8
NOMINAL POWER(W)	41	AVAILABILITY(%)	99.7
RATED VOLTAGE(V)	120	Avai. FLUX(lm/klm)	996.7
NOMINAL FLUX(lm)	2255.88	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm/klm)	1000
TEST VOLTAGE(V)	120	θ @50%(H,V)	134,113DEG

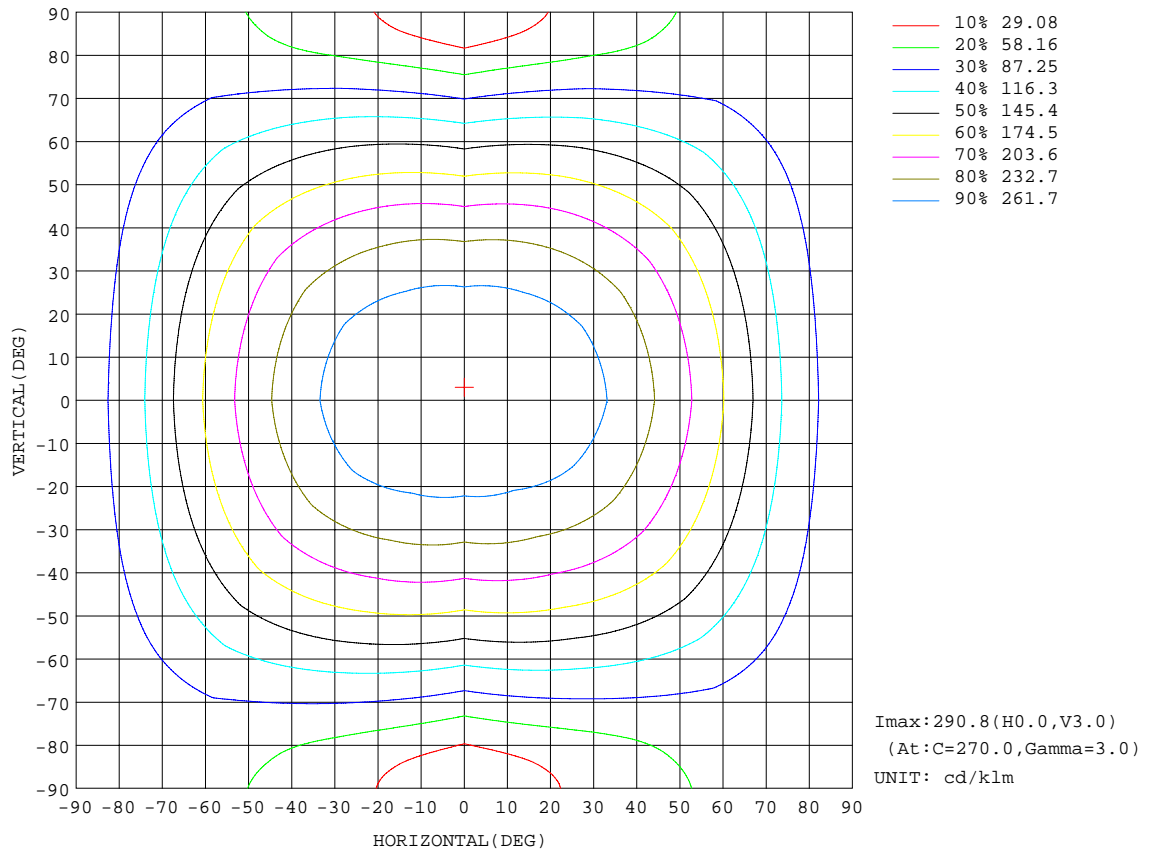
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm/klm		Φ t	Φ a	
	0.20	0.57	0.91	1.15	1.24	1.23	1.14	0.95	0.71	0.71	0.97	1.17	1.27	1.26	1.16	0.92	0.58	0.20	16.3	14.9	
90	0.20	0.57	0.91	1.15	1.24	1.23	1.14	0.95	0.71	0.71	0.97	1.17	1.27	1.26	1.16	0.92	0.58	0.20	16.3	14.9	
80	0.20	0.60	1.00	1.37	1.68	1.92	2.07	2.08	1.96	1.96	2.08	2.07	1.92	1.66	1.37	1.00	0.60	0.20	25.8	25.8	
70	0.21	0.64	1.15	1.76	2.34	2.88	3.28	3.50	3.49	3.49	3.49	3.27	2.85	2.31	1.73	1.14	0.64	0.20	38.4	38.4	
60	0.21	0.69	1.35	2.19	3.04	3.82	4.45	4.83	4.94	4.93	4.82	4.42	3.78	2.99	2.14	1.32	0.68	0.21	50.8	50.8	
50	0.21	0.74	1.55	2.58	3.67	4.66	5.47	6.00	6.20	6.20	5.99	5.44	4.61	3.61	2.53	1.52	0.73	0.21	61.9	61.9	
40	0.22	0.80	1.72	2.90	4.19	5.36	6.31	6.96	7.24	7.24	6.94	6.28	5.31	4.14	2.86	1.69	0.79	0.22	71.2	71.2	
30	0.22	0.85	1.86	3.16	4.57	5.90	6.96	7.67	8.02	8.01	7.66	6.92	5.85	4.52	3.12	1.83	0.83	0.22	78.2	78.2	
20	0.23	0.88	1.96	3.33	4.82	6.23	7.39	8.15	8.51	8.51	8.13	7.36	6.19	4.78	3.30	1.93	0.87	0.22	82.8	82.8	
10	0.23	0.90	2.01	3.43	4.95	6.40	7.58	8.37	8.75	8.75	8.36	7.57	6.37	4.92	3.39	1.98	0.89	0.23	85.1	85.1	
0	0.23	0.90	2.00	3.41	4.94	6.37	7.54	8.32	8.68	8.68	8.31	7.52	6.34	4.90	3.38	1.98	0.88	0.23	84.6	84.6	
-10	0.23	0.88	1.94	3.30	4.76	6.15	7.27	8.00	8.34	8.32	7.96	7.22	6.09	4.70	3.25	1.91	0.86	0.22	81.4	81.4	
-20	0.22	0.84	1.84	3.11	4.48	5.76	6.77	7.43	7.74	7.72	7.37	6.69	5.67	4.40	3.04	1.79	0.82	0.22	75.9	75.9	
-30	0.22	0.79	1.69	2.84	4.07	5.18	6.05	6.64	6.89	6.87	6.58	5.97	5.08	3.98	2.77	1.64	0.77	0.22	68.2	68.2	
-40	0.21	0.74	1.52	2.51	3.53	4.45	5.17	5.65	5.80	5.78	5.58	5.07	4.34	3.43	2.42	1.47	0.72	0.21	58.6	58.6	
-50	0.21	0.68	1.32	2.12	2.90	3.60	4.14	4.47	4.53	4.50	4.40	4.04	3.49	2.79	2.03	1.27	0.67	0.21	47.4	47.4	
-60	0.21	0.64	1.13	1.70	2.22	2.68	3.00	3.16	3.11	3.08	3.09	2.90	2.56	2.12	1.62	1.09	0.62	0.20	35.1	35.1	
-70	0.20	0.60	1.00	1.34	1.59	1.78	1.86	1.82	1.65	1.63	1.75	1.76	1.67	1.50	1.28	0.96	0.59	0.20	23.2	23.2	
-80	0.20	0.57	0.91	1.14	1.22	1.20	1.08	0.86	0.59	0.57	0.82	1.01	1.13	1.16	1.10	0.88	0.56	0.20	15.2	13.4	
-90	0.20	0.57	0.91	1.14	1.22	1.20	1.08	0.86	0.59	0.57	0.82	1.01	1.13	1.16	1.10	0.88	0.56	0.20	15.2	13.4	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	3.85	13.3	26.9	43.3	60.2	75.6	87.5	94.9	97.1	97.0	94.3	86.7	74.5	59.2	42.5	26.3	13.1	3.82	1000	---	
Φ a	3.85	13.3	26.9	43.3	60.2	75.6	87.5	94.2	96.2	96.0	93.6	86.6	74.5	59.2	42.5	26.3	13.1	3.82	---	997	

one-half-peak spread: U:58.5,D:55.6 , L:67.8,R:67.3 NEMA Beam Type: Type 7

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: 袁冠彬
 Test Date: 2017-09-20
 γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 7.400m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.24V I:0.3309A P:39.688W PF:0.9975 Freq:59.98Hz Lamp Flux:2255.88x1 lm		
NAME: AUW103643LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.165*0.86+2*0.165*0.06+2*0.165*0.06	Beam Angle:

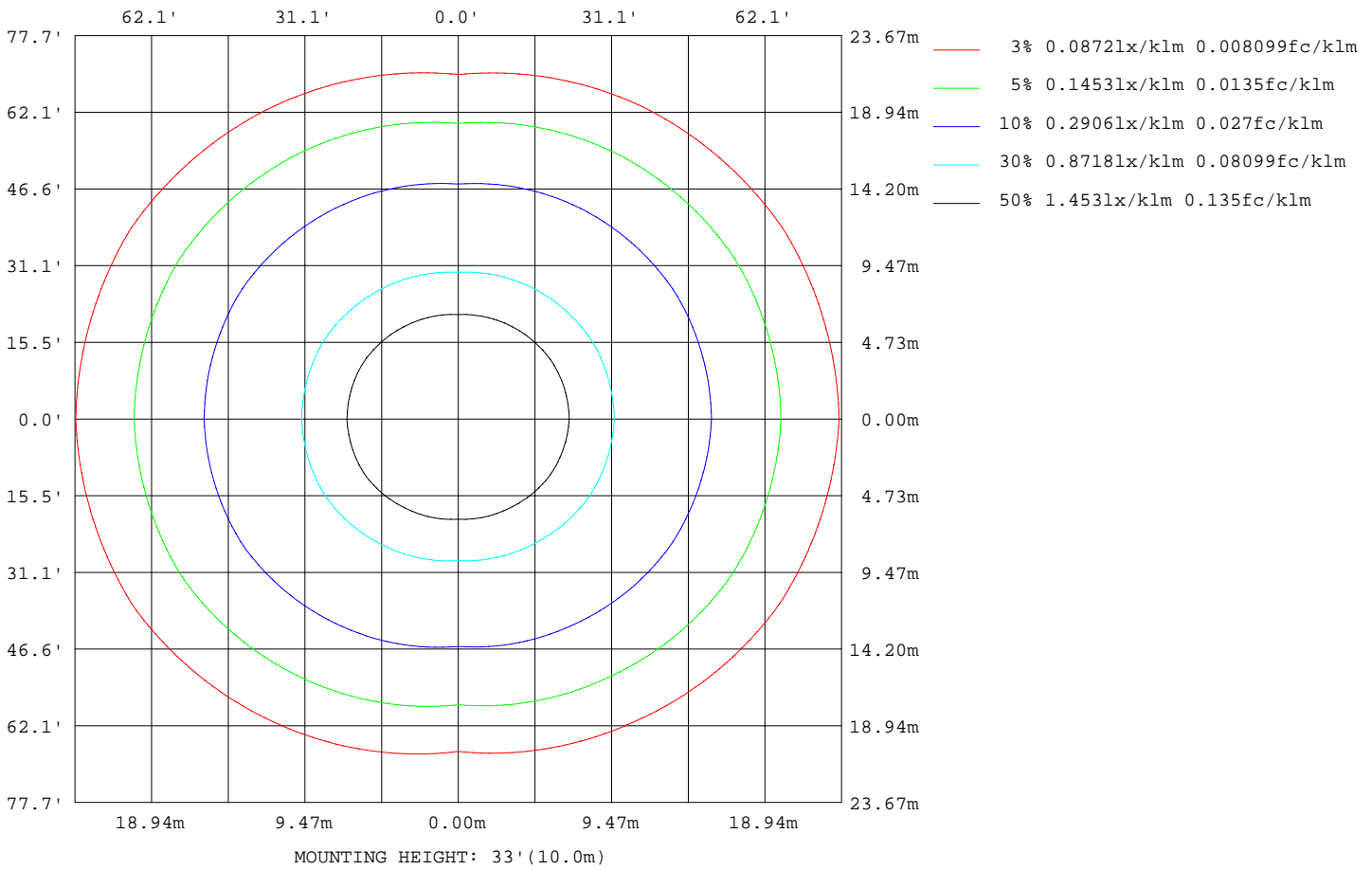


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: 袁冠彬
 Test Date: 2017-09-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 7.400m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

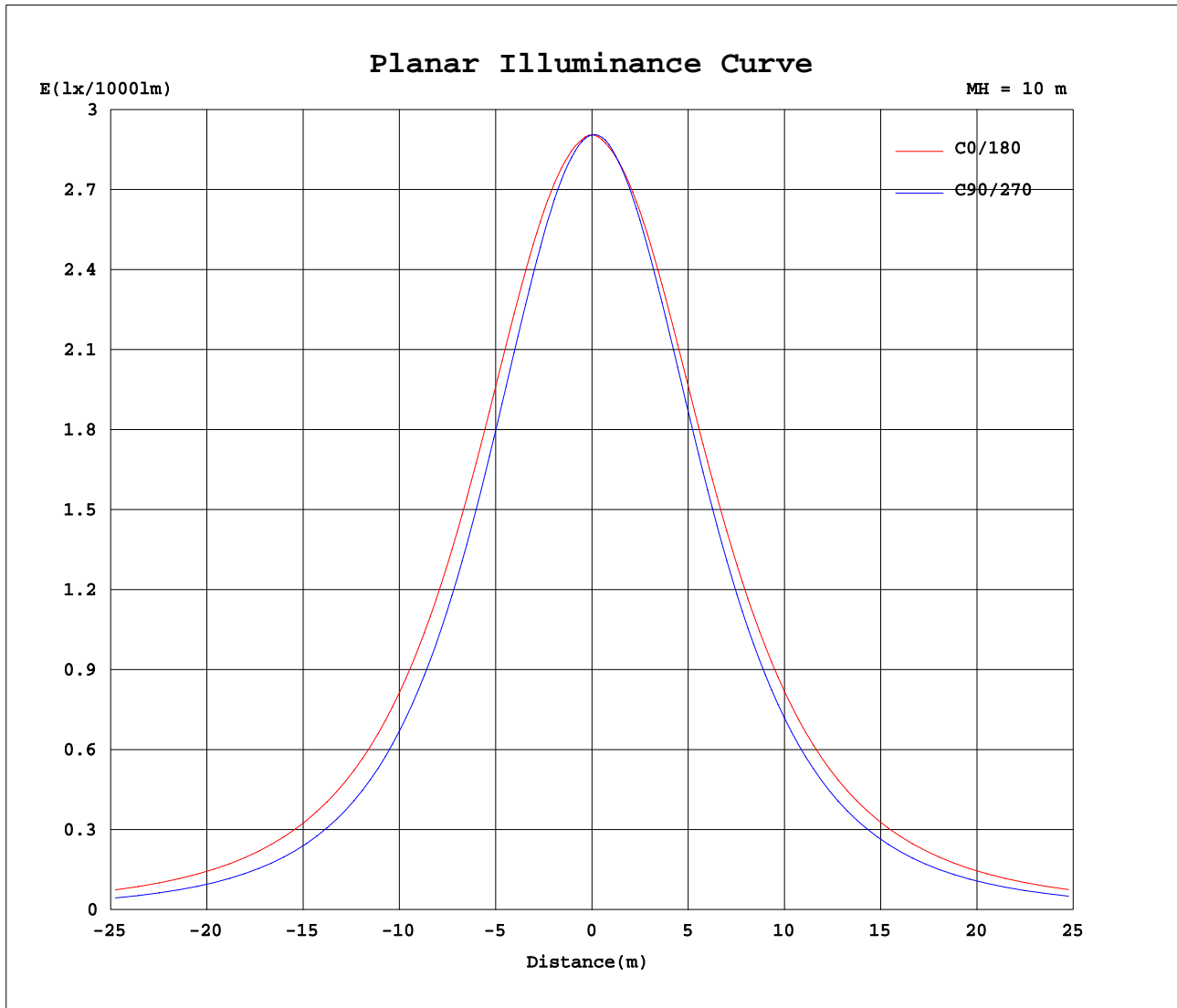
Test:U:120.24V I:0.3309A P:39.688W PF:0.9975 Freq:59.98Hz Lamp Flux:2255.88x1 lm		
NAME: AUW103643LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.165*0.86+2*0.165*0.06+2*0.165*0.06	Beam Spreading Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: 袁冠彬
 Test Date: 2017-09-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 7.400m [K=1.0000]
 Remarks:

Planar Illuminance Curve

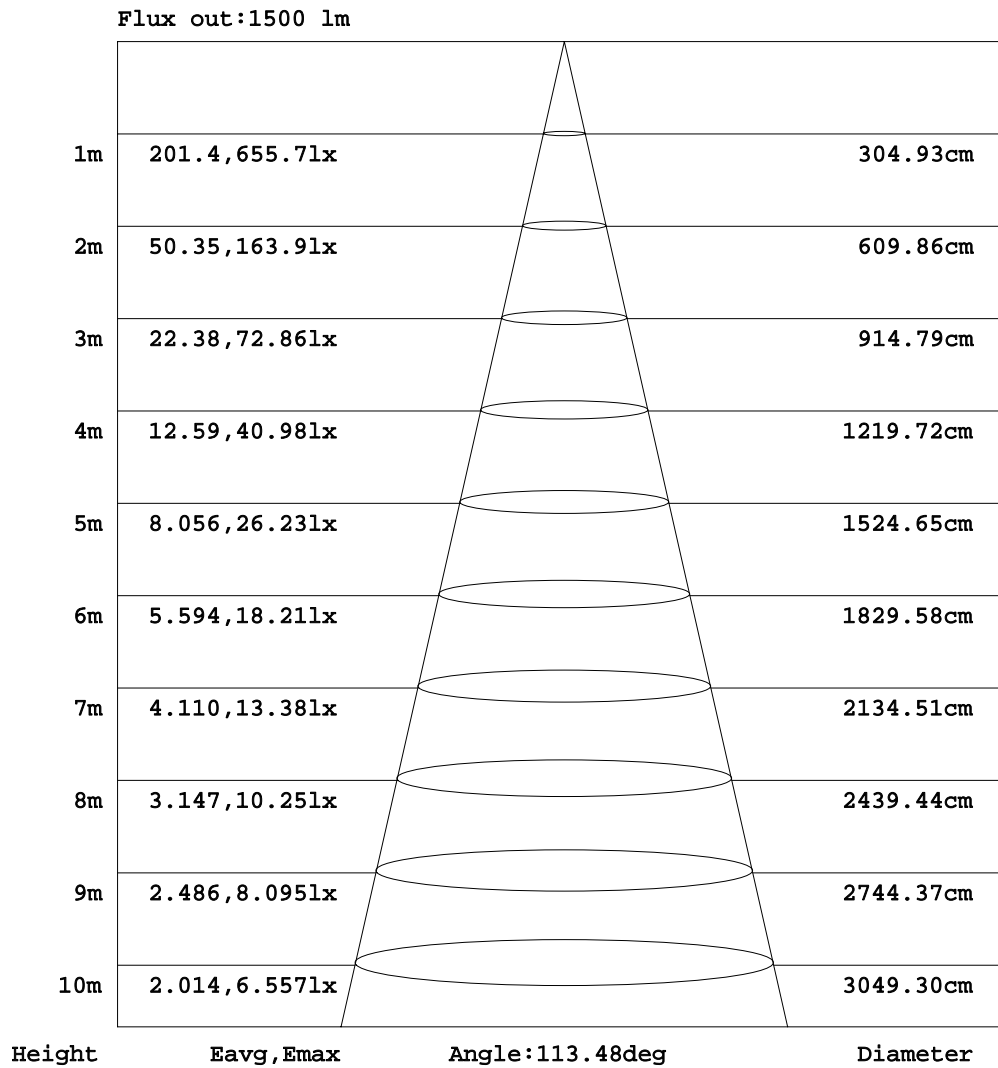


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: 袁冠彬
 Test Date: 2017-09-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 7.400m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.24V I:0.3309A P:39.688W PF:0.9975 Freq:59.98Hz Lamp Flux:2255.88x1 lm		
NAME: AUW103643LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.165*0.86+2*0.165*0.06+2*0.165*0.06	Beam Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:袁冠彬
 Test Date:2017-09-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.24V I:0.3309A P:39.688W PF:0.9975 Freq:59.98Hz Lamp Flux:2255.88x1 lm		
NAME: AUW103643LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.165*0.86+2*0.165*0.06+2*0.165*0.06 Circ. Light Angle:	

Table--1

UNIT: cd/klm

H(DEC)\V(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	76.4	74.9	73.4	71.9	70.3	68.8	67.3	62.6	57.9	53.2	48.5	43.8	39.1	33.9	28.6	23.4	18.2	12.9	7.69
-85	76.4	75.2	74.1	73.0	71.9	70.8	69.7	65.4	61.0	56.6	52.2	47.7	43.2	38.1	33.1	28.0	22.9	17.7	12.5
-80	76.4	75.6	75.0	74.5	74.0	73.7	73.3	70.0	66.4	62.8	59.5	56.2	53.0	49.3	45.4	41.4	37.1	32.6	27.8
-75	76.4	76.1	76.0	76.3	76.7	77.3	77.8	76.2	74.7	73.5	72.2	70.8	69.2	67.1	64.5	61.5	58.1	54.2	49.7
-70	76.4	76.5	77.2	78.4	79.8	81.4	84.2	85.9	86.7	87.6	88.3	88.6	88.5	87.7	86.3	84.3	81.6	78.2	74.0
-65	76.4	77.0	78.6	80.7	83.2	87.4	92.8	97.3	100	103	106	107	109	109	109	108	106	103	98.9
-60	76.4	77.6	80.0	83.1	87.5	94.5	102	109	114	119	123	126	129	130	131	131	129	127	123
-55	76.4	78.1	81.4	85.6	92.8	102	112	122	129	135	140	145	148	150	152	153	152	150	146
-50	76.4	78.7	82.8	88.5	98.4	110	121	133	142	150	157	162	167	170	172	173	173	172	169
-45	76.4	79.3	84.2	91.9	104	117	130	143	155	164	172	179	184	188	191	193	193	192	189
-40	76.4	79.8	85.6	95.3	109	124	139	153	167	178	186	194	200	205	208	210	211	211	208
-35	76.4	80.3	86.9	98.6	114	131	147	162	177	190	200	208	215	220	224	227	228	228	226
-30	76.4	80.8	88.1	102	119	137	154	171	186	200	212	221	228	234	238	241	243	243	241
-25	76.4	81.3	89.2	105	123	142	160	178	194	208	221	232	240	246	250	253	255	256	255
-20	76.4	81.7	90.4	107	126	146	166	184	200	216	229	240	250	256	261	264	266	267	266
-15	76.4	82.1	91.4	109	129	150	170	189	206	221	235	247	257	265	270	273	274	276	276
-10	76.4	82.3	92.2	111	132	153	173	193	210	226	240	252	262	270	276	280	281	282	283
-5	76.4	82.6	92.8	112	133	155	176	195	213	230	244	256	266	274	280	284	286	287	288
0	76.4	82.7	93.2	112	134	156	177	197	215	232	246	258	269	277	282	286	288	289	291
5	76.4	82.6	92.9	112	133	155	176	196	214	230	245	257	267	275	281	285	288	289	290
10	76.4	82.4	92.4	111	132	154	174	194	212	228	242	254	265	273	279	283	285	286	287
15	76.4	82.1	91.6	109	130	151	171	191	208	224	238	250	261	269	274	278	280	281	282
20	76.4	81.7	90.7	108	127	148	167	186	203	219	233	245	255	262	267	271	273	274	274
25	76.4	81.3	89.5	105	124	143	163	181	197	212	226	237	246	253	258	262	264	265	265
30	76.4	80.9	88.4	102	120	139	157	174	190	205	217	227	235	242	247	250	253	254	253
35	76.4	80.4	87.2	99.4	116	133	150	166	181	195	206	215	223	229	234	237	239	240	238
40	76.4	79.9	85.8	96.1	111	126	142	157	172	184	193	202	209	215	219	222	224	224	222
45	76.4	79.3	84.4	92.7	105	119	134	148	160	170	179	187	194	199	202	205	206	205	203
50	76.4	78.7	83.0	89.3	99.9	112	125	137	147	156	164	171	177	181	184	186	186	185	183
55	76.4	78.2	81.6	86.2	94.2	104	115	126	134	141	148	153	158	162	164	165	165	163	161
60	76.4	77.6	80.1	83.5	88.8	96.5	105	113	119	125	130	135	138	141	142	143	142	140	137
65	76.4	77.1	78.7	81.0	84.0	89.1	95.4	101	105	109	113	116	118	119	120	119	118	115	112
70	76.4	76.5	77.4	78.7	80.3	82.5	86.2	88.8	90.7	92.7	94.5	95.9	96.9	97.0	96.3	95.0	92.9	90.0	86.4
75	76.4	76.1	76.1	76.5	77.1	77.8	78.8	78.2	77.7	77.5	77.2	76.8	76.2	74.9	73.0	70.7	67.9	64.5	60.5
80	76.4	75.6	75.0	74.6	74.3	74.1	73.9	70.9	67.8	65.0	62.5	60.1	57.7	54.7	51.6	48.2	44.6	40.6	36.3
85	76.4	75.2	74.1	73.0	71.9	70.9	69.9	65.7	61.4	57.1	52.7	48.4	44.1	39.7	35.3	30.8	26.2	21.5	16.7
90	76.4	74.8	73.3	71.8	70.2	68.7	67.1	62.3	57.5	52.7	47.9	43.1	38.3	33.2	28.1	23.1	18.0	13.0	7.89

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:袁冠彬
 Test Date:2017-09-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.24V I:0.3309A P:39.688W PF:0.9975 Freq:59.98Hz Lamp Flux:2255.88x1 lm		
NAME: AUW103643LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.165*0.86+2*0.165*0.06+2*0.165*0.06 Circ. Dia. Angle:	

Table--2

UNIT: cd/klm

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	12.5	17.3	22.0	26.8	31.6	36.4	41.2	46.0	50.8	55.6	60.3	65.1	67.0	68.8	70.6	72.5	74.3	76.1
-85	17.2	21.8	26.4	31.0	35.5	40.0	44.6	49.2	53.7	58.2	62.6	67.0	68.5	70.1	71.6	73.1	74.6	76.1
-80	31.9	35.8	39.4	42.8	46.0	49.2	52.5	55.9	59.4	63.1	66.8	70.3	71.1	72.0	72.9	73.9	74.9	76.1
-75	53.4	56.6	59.4	61.6	63.5	65.0	66.6	68.0	69.3	70.7	72.6	74.6	74.5	74.5	74.6	74.8	75.3	76.1
-70	77.4	80.1	82.0	83.3	84.0	84.2	84.2	83.8	83.0	82.2	81.4	80.3	78.5	77.5	76.6	76.0	75.8	76.1
-65	102	104	105	106	105	104	103	101	98.3	95.5	92.4	88.5	83.8	80.7	78.8	77.2	76.2	76.1
-60	126	128	128	128	126	124	122	118	114	109	104	97.7	90.7	84.6	81.1	78.6	76.8	76.1
-55	149	150	150	149	146	144	140	135	130	123	116	107	98.2	89.7	83.6	80.0	77.3	76.1
-50	171	172	171	169	166	162	158	152	145	137	128	117	106	95.2	86.3	81.4	77.8	76.1
-45	191	192	190	188	184	180	174	168	159	150	139	126	113	101	89.5	82.8	78.4	76.1
-40	210	210	208	205	201	196	190	182	173	162	149	135	120	106	92.9	84.2	78.9	76.1
-35	227	227	224	221	217	211	204	195	185	172	158	143	127	111	96.2	85.6	79.5	76.1
-30	242	241	239	235	231	225	217	208	196	182	167	150	133	116	99.3	86.8	80.0	76.1
-25	256	254	251	248	243	237	228	217	205	190	174	157	139	120	102	88.0	80.5	76.1
-20	266	264	262	259	254	247	237	226	212	197	181	162	143	124	105	89.1	80.9	76.1
-15	275	273	271	268	262	255	245	233	219	203	186	167	147	127	107	90.1	81.3	76.1
-10	282	281	279	275	269	261	250	238	224	208	190	171	150	129	109	90.9	81.6	76.1
-5	287	285	283	279	273	265	255	242	228	211	193	174	153	131	110	91.5	81.8	76.1
0	290	288	286	282	276	268	257	245	230	213	195	175	154	132	111	92.0	82.0	76.1
5	289	288	285	281	275	267	256	243	229	212	194	174	153	131	110	91.7	81.9	76.1
10	286	285	283	278	272	264	253	241	226	210	192	172	151	130	109	91.2	81.7	76.1
15	281	279	277	273	268	259	249	236	222	206	189	169	149	128	108	90.5	81.4	76.1
20	274	273	270	266	261	253	243	231	217	201	184	165	145	125	106	89.7	81.1	76.1
25	265	264	261	257	252	244	235	224	210	195	178	160	141	122	103	88.7	80.7	76.1
30	253	252	250	246	241	234	225	215	202	188	172	154	136	118	101	87.6	80.3	76.1
35	239	239	237	233	228	222	213	204	193	179	164	147	130	114	97.8	86.4	79.8	76.1
40	223	223	222	218	214	208	200	191	181	169	155	140	124	109	94.6	85.1	79.3	76.1
45	205	205	204	202	198	192	186	177	168	158	145	131	117	104	91.3	83.8	78.8	76.1
50	185	186	185	183	180	175	169	162	154	145	134	122	110	98.1	88.2	82.4	78.3	76.1
55	163	165	164	163	161	157	152	146	139	131	123	113	102	92.7	85.4	81.1	77.7	76.1
60	140	142	142	142	140	138	134	129	123	117	111	103	94.8	87.5	83.0	79.7	77.3	76.1
65	115	118	119	119	119	117	115	111	107	103	98.8	93.6	87.7	83.4	80.6	78.4	76.7	76.1
70	90.0	92.7	94.7	96.0	96.6	96.4	95.2	93.5	91.4	89.4	87.3	85.0	82.0	80.0	78.4	77.1	76.3	76.1
75	64.4	67.8	70.6	72.9	74.8	76.1	76.5	76.6	76.7	77.0	77.7	78.6	77.8	77.0	76.4	75.9	75.9	76.1
80	40.6	44.6	48.3	51.8	55.0	58.1	60.4	62.8	65.4	68.2	71.2	74.1	74.2	74.4	74.6	74.9	75.5	76.1
85	21.7	26.6	31.5	36.3	41.0	45.8	49.9	54.1	58.2	62.3	66.4	70.5	71.3	72.2	73.1	74.1	75.1	76.1
90	13.3	18.8	24.2	29.7	35.1	40.5	45.1	49.7	54.3	58.9	63.5	68.1	69.4	70.8	72.1	73.4	74.8	76.1

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: 袁冠彬
 Test Date: 2017-09-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 7.400m [K=1.0000]
 Remarks: