

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

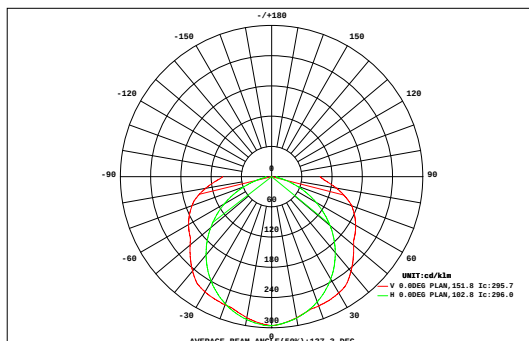
Maximum Intensity (Luminaire orientation as tested.)		296.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	151.5V x 180.0H 102.8V x 151.8H 40.1V x 58.1H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	1000.0 lumens per klm. 996.2 lumens per klm. 751.2 lumens per klm. 114.6 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:2017-09-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.25V I:0.2245A P:26.765W PF:0.9916 Freq:59.98Hz Lamp Flux:1090.41x1 lm		
NAME: BDWW072033LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.49*0.2+3.14*0.06*0.06 Shielding Angle:	



DATA OF LAMP		Eff:40.74lm/W	
MODEL	LED	Imax(cd/klm)	296.0
NOMINAL POWER(W)		AVAILABILITY(%)	99.6
RATED VOLTAGE(V)	120	Avai. FLUX(lm/klm)	996.2
NOMINAL FLUX(lm)	1090.41	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm/klm)	1000
TEST VOLTAGE(V)	120	θ @50%(H,V)	152,103DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT: lm/klm		Φ t	Φ a
	0.25	0.72	1.14	1.41	1.49	1.42	1.23	0.95	0.58	0.62	1.06	1.40	1.59	1.62	1.50	1.19	0.74	0.25	19.2	17.6	
90	0.26	0.78	1.31	1.77	2.01	2.07	1.96	1.70	1.33	1.37	1.81	2.13	2.25	2.15	1.87	1.38	0.81	0.26	27.2	27.0	
80	0.26	0.85	1.52	2.16	2.56	2.76	2.84	2.85	2.69	2.71	2.92	2.96	2.89	2.67	2.25	1.58	0.88	0.27	37.7	37.7	
70	0.27	0.93	1.73	2.52	3.08	3.54	3.93	4.18	4.18	4.19	4.23	4.01	3.61	3.15	2.57	1.78	0.96	0.28	49.2	49.2	
60	0.28	1.00	1.90	2.80	3.57	4.30	4.94	5.36	5.54	5.55	5.41	5.01	4.35	3.61	2.83	1.94	1.03	0.29	59.7	59.7	
50	0.29	1.07	2.04	3.02	4.00	5.02	5.81	6.32	6.70	6.70	6.35	5.84	5.04	4.01	3.04	2.06	1.09	0.30	68.7	68.7	
40	0.30	1.12	2.16	3.21	4.39	5.67	6.56	7.13	7.64	7.62	7.10	6.56	5.67	4.39	3.21	2.16	1.14	0.31	76.3	76.3	
30	0.30	1.16	2.25	3.37	4.69	6.10	7.07	7.75	8.34	8.32	7.71	7.04	6.08	4.68	3.35	2.24	1.18	0.31	82.0	82.0	
20	0.31	1.19	2.31	3.49	4.88	6.35	7.35	8.07	8.74	8.73	8.03	7.30	6.32	4.86	3.45	2.30	1.20	0.32	85.2	85.2	
10	0.31	1.19	2.32	3.49	4.88	6.34	7.34	8.03	8.68	8.68	8.00	7.26	6.29	4.85	3.44	2.29	1.20	0.32	84.9	84.9	
0	0.30	1.16	2.25	3.38	4.68	6.08	7.05	7.68	8.22	8.22	7.62	6.93	6.00	4.63	3.32	2.22	1.17	0.31	81.2	81.2	
-10	0.30	1.12	2.17	3.23	4.38	5.64	6.53	7.03	7.50	7.48	6.95	6.39	5.55	4.31	3.15	2.13	1.13	0.31	75.3	75.3	
-20	0.29	1.07	2.06	3.05	4.01	5.00	5.78	6.26	6.56	6.51	6.11	5.62	4.88	3.90	2.95	2.02	1.08	0.30	67.4	67.4	
-30	0.28	1.01	1.92	2.83	3.60	4.29	4.92	5.29	5.38	5.33	5.14	4.73	4.15	3.45	2.73	1.88	1.01	0.29	58.2	58.2	
-40	0.27	0.94	1.74	2.56	3.12	3.55	3.89	4.08	4.00	3.96	3.97	3.73	3.38	2.97	2.46	1.72	0.94	0.28	47.6	47.6	
-50	0.26	0.86	1.54	2.20	2.62	2.83	2.87	2.78	2.53	2.48	2.65	2.66	2.62	2.47	2.13	1.52	0.86	0.27	36.2	36.2	
-60	0.26	0.78	1.33	1.80	2.07	2.16	2.03	1.69	1.22	1.17	1.54	1.81	1.96	1.95	1.74	1.31	0.78	0.26	25.9	25.5	
-70	0.25	0.73	1.16	1.45	1.55	1.49	1.30	0.96	0.54	0.50	0.86	1.13	1.34	1.44	1.39	1.13	0.72	0.25	18.2	16.4	
-80																					
-90																					
HORIZONTAL (DEG)																					
Φ t	5.06	17.7	32.9	47.7	61.6	74.6	83.4	88.1	90.4	90.1	87.5	82.5	74.0	61.1	47.4	32.9	17.9	5.17	1000	---	
Φ a	5.06	17.7	32.9	47.7	61.6	74.6	83.4	87.6	89.0	88.8	86.9	82.5	74.0	61.1	47.4	32.9	17.9	5.17	---	996	

one-half-peak spread: U:51.9,D:51.4 , L:76.0,R:76.6

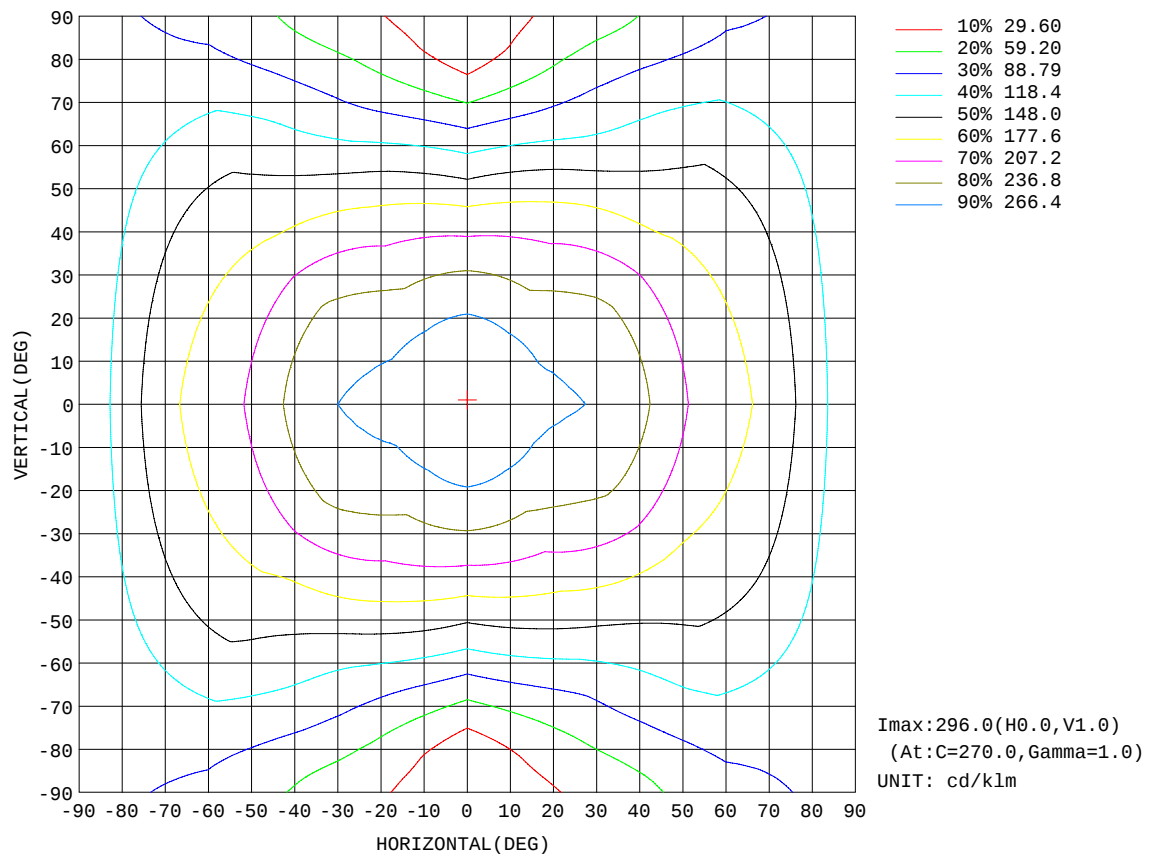
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:袁冠彬
 Test Date:2017-09-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.25V I:0.2245A P:26.765W PF:0.9916 Freq:59.98Hz Lamp Flux:1090.41x1 lm		
NAME: BDWW072033LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.49*0.2+3.14*0.06*0.06 Shielding Angle:	

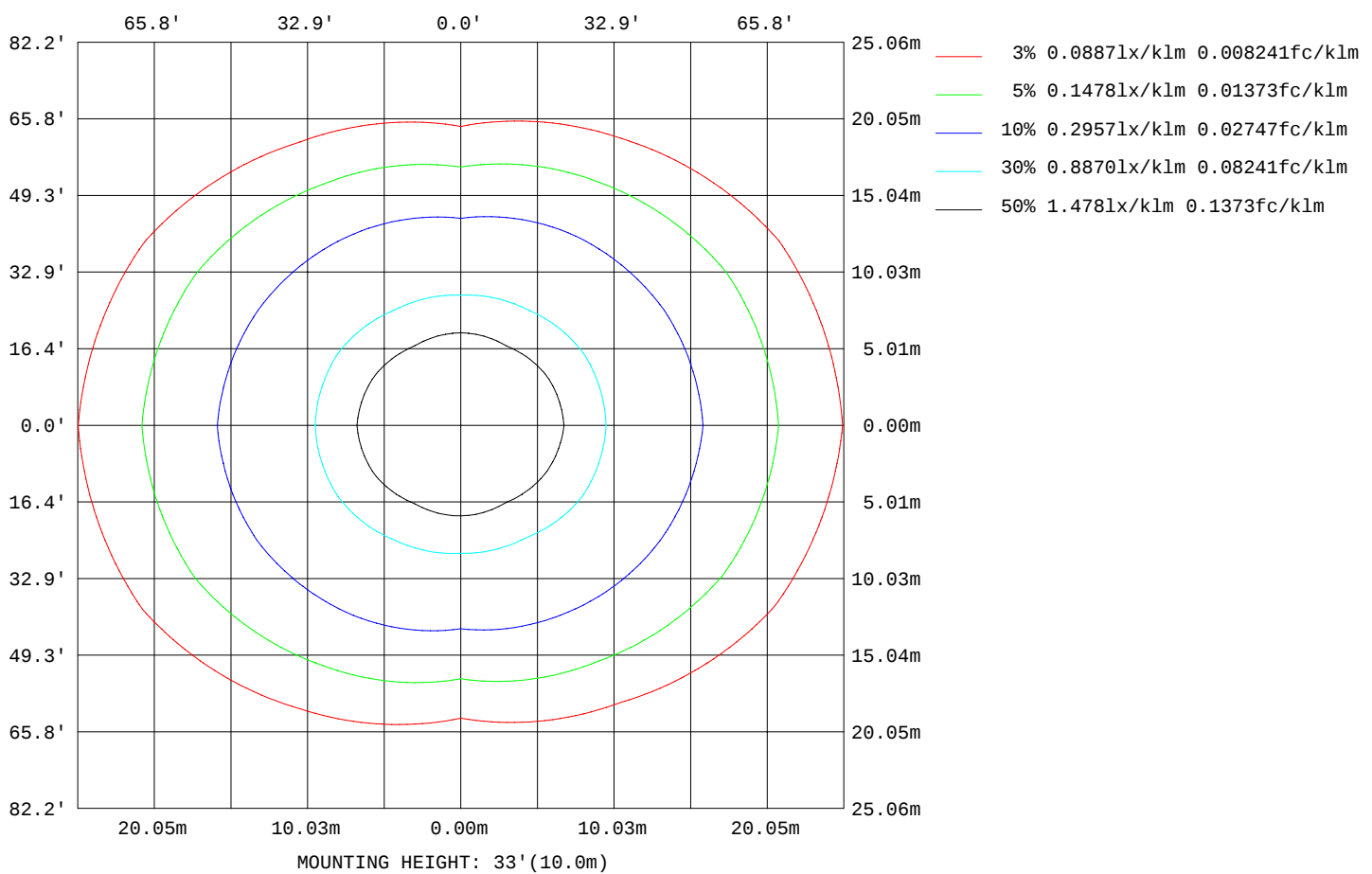


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:袁冠彬
Test Date:2017-09-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

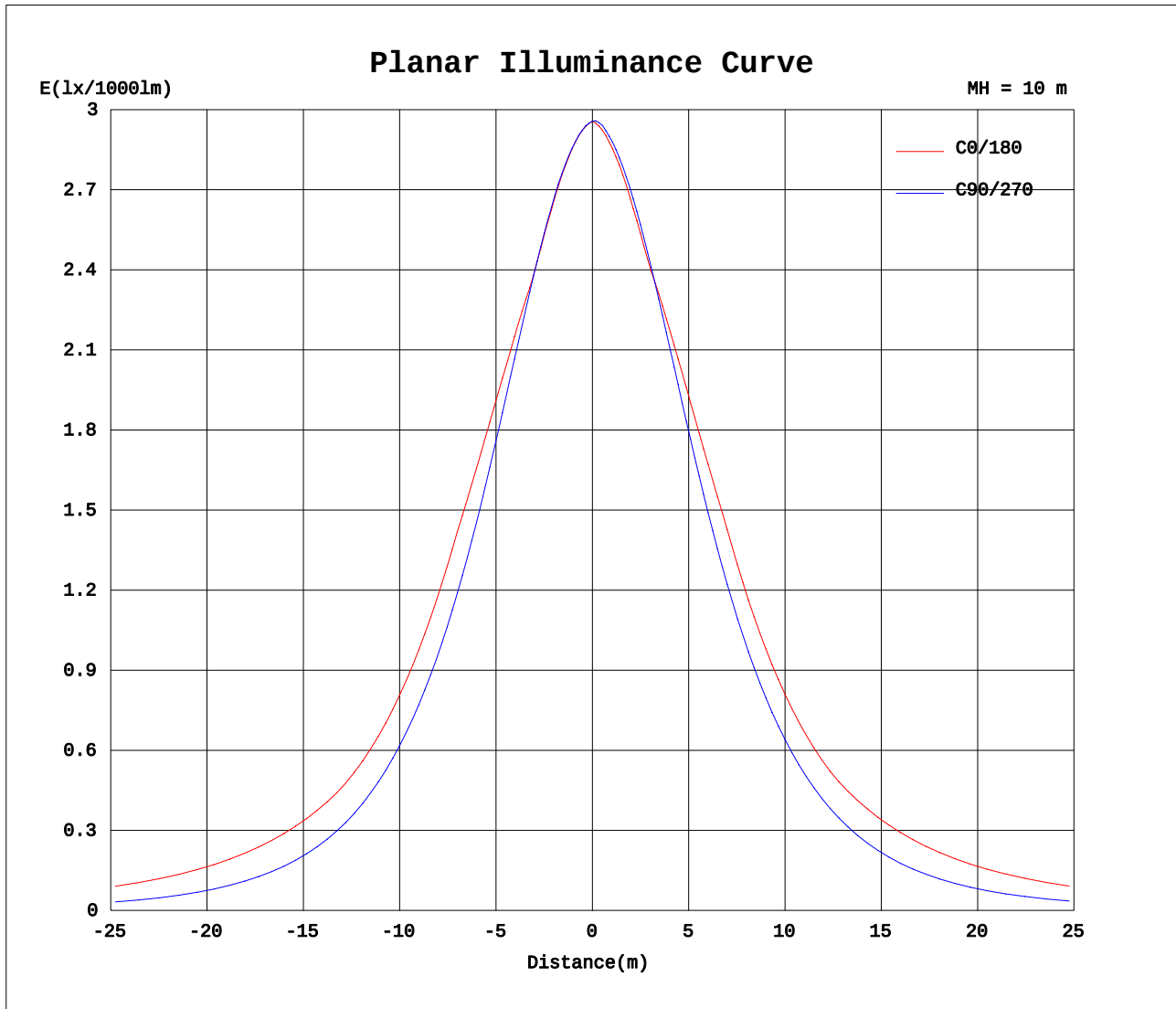
Test:U:120.25V I:0.2245A P:26.765W PF:0.9916 Freq:59.98Hz Lamp Flux:1090.41x1 lm		
NAME: BDWW072033LAJD2	TYPE: 3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.49*0.2+3.14*0.06*0.06 Shielding Angle:	



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: 袁冠彬
Test Date: 2017-09-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 7.400m [K=1.0000]
Remarks:

Planar Illuminance Curve



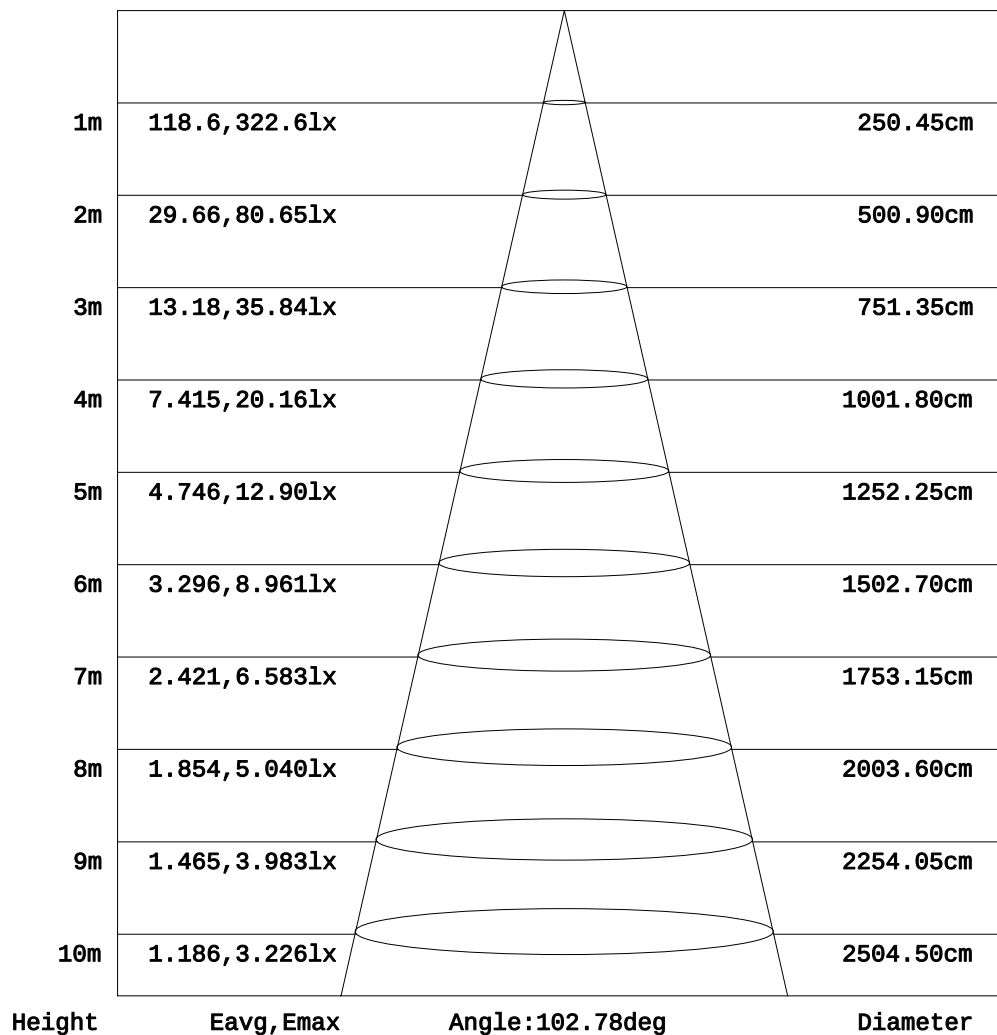
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: 袁冠彬
Test Date: 2017-09-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity: 65.0%
Test Distance: 7.400m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.25V I:0.2245A P:26.765W PF:0.9916 Freq:59.98Hz Lamp Flux:1090.41x1 lm		
NAME: BDWW072033LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.49*0.2+3.14*0.06*0.06	Shielding Angle:

Flux out:610.6 lm



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:2017-09-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.25V I:0.2245A P:26.765W PF:0.9916 Freq:59.98Hz Lamp Flux:1090.41x1 lm		
NAME: BDWW072033LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.49*0.2+3.14*0.06*0.06 Shielding Angle:	

Table--1

UNIT: cd/klm

H(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
V(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	95.9	93.8	91.6	89.5	87.3	85.2	83.0	76.4	69.9	63.3	56.8	50.2	43.7	38.0	32.3	26.5	20.8	15.1	9.40
-85	95.9	94.8	93.6	92.4	91.1	89.8	88.5	82.8	77.0	71.3	65.4	59.4	53.3	46.5	39.5	32.2	24.8	17.3	9.74
-80	95.9	95.8	95.5	95.3	95.4	95.8	96.2	92.4	87.9	83.1	78.1	72.7	67.1	59.1	50.6	41.8	32.6	23.2	13.5
-75	95.9	96.8	97.5	99.0	101	103	106	103	100	96.5	92.2	87.2	81.5	73.8	65.6	57.2	48.5	39.5	30.0
-70	95.9	97.7	99.9	104	108	112	115	115	113	109	105	101	95.1	88.7	82.0	75.1	67.9	60.3	52.0
-65	95.9	98.7	103	108	114	120	125	126	125	122	119	114	109	104	99.0	94.3	89.2	83.3	76.6
-60	95.9	99.7	106	113	121	127	134	138	137	134	131	127	124	121	119	116	113	108	102
-55	95.9	101	109	118	127	135	143	148	147	145	144	142	142	141	141	139	136	132	127
-50	95.9	102	112	122	133	142	150	156	157	157	157	158	159	161	162	161	159	156	151
-45	95.9	103	115	127	139	149	157	162	167	167	169	172	176	179	180	180	180	178	175
-40	95.9	104	117	131	144	155	163	169	174	177	181	187	192	195	196	198	199	198	196
-35	95.9	105	120	135	149	160	168	175	180	186	194	201	207	210	211	213	216	217	216
-30	95.9	106	122	138	153	165	173	180	186	195	206	214	221	225	226	226	230	233	234
-25	95.9	107	124	141	157	169	177	185	192	203	216	227	235	237	238	238	243	248	251
-20	95.9	108	126	144	160	172	181	189	198	211	225	237	246	248	249	251	255	261	264
-15	95.9	108	127	146	163	175	185	193	203	217	232	245	253	256	259	261	266	272	276
-10	95.9	109	128	148	166	178	188	197	207	223	238	251	258	262	265	268	275	281	285
-5	95.9	109	129	149	168	180	190	199	210	226	242	256	263	267	269	273	281	287	291
0	95.9	110	130	150	169	182	192	202	212	229	245	260	266	270	273	276	284	291	296
5	95.9	109	129	149	167	180	190	199	210	227	243	256	263	267	270	274	282	290	293
10	95.9	109	128	148	165	177	188	196	207	223	238	251	258	263	266	270	277	284	288
15	95.9	108	127	146	163	175	184	193	203	218	233	246	253	257	260	264	270	276	280
20	95.9	108	126	144	160	171	181	189	198	211	226	239	246	249	251	255	260	265	269
25	95.9	107	124	141	156	168	176	184	192	204	217	229	236	238	240	242	248	253	255
30	95.9	106	122	138	152	164	172	179	185	195	207	215	222	226	227	228	234	238	240
35	95.9	105	119	134	148	159	167	173	179	185	194	202	207	211	213	215	219	222	222
40	95.9	104	117	130	143	154	161	167	172	175	181	187	192	196	197	200	202	203	203
45	95.9	103	114	126	138	148	155	160	164	166	168	173	177	179	181	183	184	183	181
50	95.9	101	111	122	132	141	149	153	155	155	156	158	160	163	164	164	163	161	158
55	95.9	100	108	117	126	134	141	146	144	143	143	142	142	143	143	143	141	138	134
60	95.9	99.4	105	112	120	126	132	136	134	131	128	126	124	122	121	120	117	114	109
65	95.9	98.4	102	108	113	118	123	125	123	120	115	111	106	102	99.9	96.9	93.2	88.7	83.3
70	95.9	97.4	99.3	103	107	110	113	113	110	107	102	97.1	91.2	85.9	80.9	75.8	70.5	64.6	58.2
75	95.9	96.4	96.9	98.1	100	102	104	102	97.9	93.6	88.7	83.2	77.2	70.8	64.3	57.6	50.5	43.2	35.4
80	95.9	95.4	94.8	94.3	94.2	94.3	94.6	90.4	85.7	80.7	75.4	69.8	63.9	57.0	49.6	42.0	34.2	26.1	17.8
85	95.9	94.4	92.9	91.3	89.7	88.1	86.6	80.7	74.7	68.7	62.6	56.3	50.0	44.1	38.0	31.7	25.2	18.6	11.9
90	95.9	93.5	91.0	88.5	86.0	83.5	81.0	74.2	67.3	60.5	53.6	46.8	39.9	35.2	30.5	25.7	21.0	16.2	11.5

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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.25V I:0.2245A P:26.765W PF:0.9916 Freq:59.98Hz Lamp Flux:1090.41x1 lm		
NAME: BDWW072033LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.49*0.2+3.14*0.06*0.06 Shielding Angle:	

Table--2

UNIT: cd/klm

H(DEC) V(DEC)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	14.0	18.7	23.3	28.0	32.6	37.2	44.3	51.5	58.6	65.7	72.8	79.9	82.8	85.6	88.5	91.4	94.3	97.2	
-85	16.1	22.5	28.7	34.8	40.7	46.3	53.2	60.0	66.6	73.1	79.4	85.6	87.5	89.4	91.4	93.3	95.3	97.2	
-80	21.7	29.7	37.5	45.1	52.4	59.3	66.0	72.3	78.2	83.9	89.3	94.0	94.3	94.6	94.9	95.4	96.2	97.2	
-75	37.8	45.2	52.2	59.0	65.5	72.0	78.7	85.0	90.7	95.8	100	103	102	101	99.3	98.0	97.3	97.2	
-70	58.5	64.3	69.7	74.8	79.8	85.5	92.0	98.1	103	108	111	113	110	107	104	101	98.4	97.2	
-65	82.0	86.4	90.0	93.0	95.6	99.4	105	110	115	120	123	122	118	114	109	104	99.6	97.2	
-60	107	110	113	114	115	117	120	123	126	130	133	131	126	120	114	107	101	97.2	
-55	131	134	136	136	135	135	136	137	138	140	142	139	134	126	119	110	102	97.2	
-50	154	156	156	156	155	153	151	150	150	150	149	146	141	132	123	113	104	97.2	
-45	176	177	175	173	172	170	166	162	160	160	157	152	147	138	128	116	105	97.2	
-40	197	195	192	189	188	186	181	176	170	167	163	158	152	144	132	119	106	97.2	
-35	215	212	208	205	204	201	196	189	181	174	169	164	157	148	136	122	107	97.2	
-30	232	227	221	220	219	216	210	202	191	181	175	169	161	152	139	124	109	97.2	
-25	248	242	236	234	232	230	224	213	200	188	180	173	165	156	142	126	110	97.2	
-20	261	255	250	246	243	241	234	222	208	194	185	178	169	159	145	128	110	97.2	
-15	272	266	259	255	252	248	242	230	215	200	189	182	173	162	148	130	111	97.2	
-10	281	274	266	261	258	254	248	236	221	205	193	185	176	165	150	131	112	97.2	
-5	287	280	272	266	264	260	254	241	225	209	196	188	178	167	151	132	112	97.2	
0	291	284	275	271	268	264	258	244	228	211	199	190	180	168	153	133	113	97.2	
5	289	282	273	268	265	261	255	242	226	209	197	189	179	167	152	132	112	97.2	
10	283	276	268	264	261	257	251	238	222	206	195	186	177	165	150	131	112	97.2	
15	275	269	263	259	256	252	245	232	217	202	191	184	174	163	149	130	111	97.2	
20	265	258	254	250	248	246	238	225	211	197	188	180	171	161	146	129	111	97.2	
25	252	247	241	240	238	236	229	217	204	191	184	176	168	158	144	127	110	97.2	
30	238	234	229	228	227	223	216	207	195	185	179	172	164	155	141	125	109	97.2	
35	222	219	216	214	212	209	203	195	186	180	174	168	160	151	137	123	108	97.2	
40	204	203	202	199	198	194	189	182	177	174	169	163	156	146	134	120	107	97.2	
45	184	185	185	184	182	179	174	170	168	167	162	157	151	141	130	118	106	97.2	
50	162	165	166	167	165	162	160	158	158	157	156	151	145	136	126	115	104	97.2	
55	139	142	145	146	145	145	145	145	146	148	149	145	138	130	121	112	103	97.2	
60	114	118	121	124	125	127	130	132	135	138	140	137	131	124	116	109	102	97.2	
65	89.4	94.7	99.2	103	107	111	116	121	124	128	130	128	123	118	112	106	100	97.2	
70	65.8	72.8	79.4	85.7	91.9	97.9	103	108	113	116	118	119	115	111	107	103	99.2	97.2	
75	44.4	53.0	61.3	69.4	77.2	84.6	90.3	95.4	100	104	107	109	107	105	102	99.8	98.1	97.2	
80	27.4	36.8	46.0	54.9	63.6	71.7	77.1	82.3	87.2	91.7	96.0	99.7	99.1	98.3	97.6	97.2	97.1	97.2	
85	19.9	27.8	35.5	43.1	50.5	57.6	63.5	69.3	75.0	80.5	85.9	91.1	92.0	93.0	94.0	95.0	96.1	97.2	
90	17.4	23.3	29.2	35.1	41.0	47.0	53.3	59.6	66.0	72.3	78.7	85.0	87.0	89.1	91.1	93.1	95.2	97.2	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:袁冠彬
Test Date:2017-09-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks: