

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

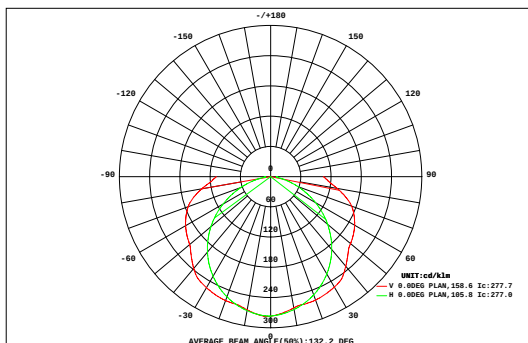
Maximum Intensity (Luminaire orientation as tested.)		277.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	156.1V x 180.0H
	At 50% of Imax	105.8V x 158.6H
	At 90% of Imax	42.2V x 67.1H
Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	996.9 lumens per klm.
	To 50% of Imax	786.7 lumens per klm.
	To 90% of Imax	150.1 lumens per klm.
Upward LOR		0.0 %
Downward LOR		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: 2017-10-19

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:120.32V I:0.2858A P:34.155W PF:0.9931 Freq:49.99Hz Lamp Flux:1873.18x1 lm		
NAME: BDWW083035LAJD2 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.75*0.15	Shielding Angle:

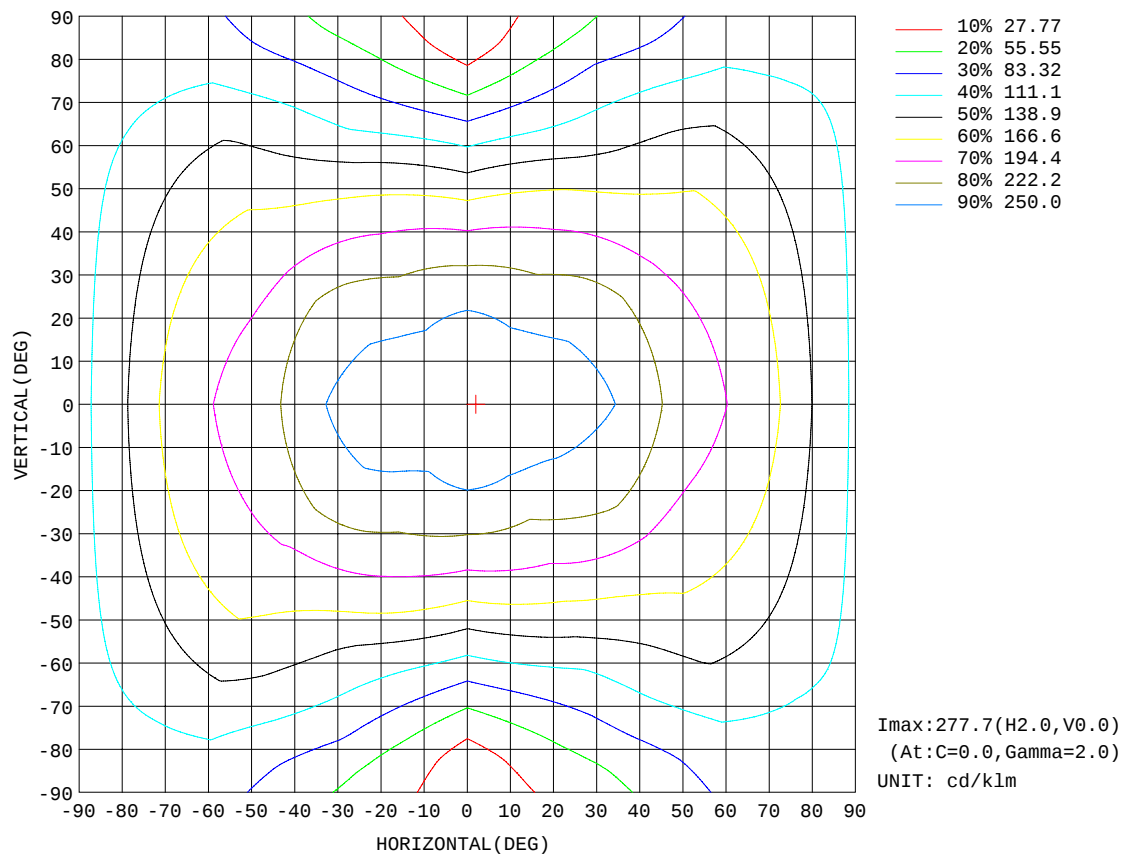


DATA OF LAMP		Eff:54.84lm/W	
MODEL	LED	Imax(cd/klm)	277.7
NOMINAL POWER(W)	33.5	AVAILABILITY(%)	99.8
RATED VOLTAGE(V)	120	Avai. FLUX(lm/klm)	997.6
NOMINAL FLUX(lm)	1873.18	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm/klm)	1000.0
TEST VOLTAGE(V)	120	θ @50%(H,V)	159,106DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm/k1m		Φ t	Φ a
	0.27	0.78	1.24	1.54	1.63	1.58	1.38	1.05	0.64	0.69	1.19	1.60	1.81	1.81	1.68	1.32	0.83	0.28	21.3	20.2
90	0.28	0.83	1.39	1.87	2.14	2.23	2.12	1.87	1.50	1.55	2.03	2.37	2.47	2.32	2.00	1.48	0.88	0.29	29.6	29.6
80	0.29	0.90	1.59	2.26	2.67	2.87	2.94	2.94	2.77	2.81	3.06	3.15	3.10	2.85	2.39	1.68	0.94	0.30	39.5	39.5
70	0.29	0.97	1.79	2.59	3.15	3.58	3.94	4.16	4.14	4.17	4.24	4.06	3.73	3.31	2.72	1.87	1.01	0.30	50.0	50.0
60	0.30	1.04	1.95	2.85	3.60	4.26	4.85	5.25	5.39	5.41	5.33	4.97	4.39	3.74	2.97	2.03	1.08	0.31	59.7	59.7
50	0.31	1.10	2.08	3.05	3.95	4.86	5.65	6.15	6.45	6.46	6.20	5.73	4.97	4.08	3.16	2.15	1.14	0.32	67.8	67.8
40	0.31	1.15	2.19	3.22	4.26	5.45	6.33	6.84	7.25	7.26	6.87	6.39	5.54	4.36	3.31	2.25	1.19	0.33	74.5	74.5
30	0.32	1.19	2.27	3.36	4.50	5.83	6.78	7.37	7.83	7.87	7.40	6.83	5.91	4.60	3.42	2.32	1.23	0.33	79.4	79.4
20	0.32	1.21	2.33	3.46	4.65	6.04	7.02	7.64	8.17	8.23	7.67	7.06	6.12	4.76	3.51	2.37	1.25	0.33	82.1	82.1
10	0.32	1.22	2.34	3.47	4.66	6.05	7.04	7.64	8.13	8.21	7.64	7.02	6.09	4.74	3.49	2.36	1.25	0.33	82.0	82.0
0	0.32	1.20	2.29	3.40	4.53	5.87	6.84	7.36	7.73	7.78	7.31	6.71	5.82	4.55	3.37	2.29	1.22	0.33	78.9	78.9
-10	0.32	1.16	2.23	3.29	4.32	5.49	6.38	6.84	7.15	7.11	6.68	6.20	5.41	4.26	3.22	2.20	1.17	0.32	73.8	73.8
-20	0.31	1.11	2.13	3.15	4.08	4.92	5.68	6.13	6.31	6.25	5.94	5.49	4.79	3.92	3.04	2.09	1.12	0.32	66.8	66.8
-30	0.30	1.06	2.01	2.97	3.73	4.34	4.89	5.22	5.24	5.17	5.02	4.65	4.13	3.53	2.82	1.96	1.06	0.31	58.4	58.4
-40	0.30	0.99	1.85	2.72	3.31	3.68	3.93	4.07	3.97	3.92	3.94	3.72	3.44	3.07	2.56	1.79	0.98	0.30	48.5	48.5
-50	0.29	0.92	1.65	2.38	2.84	3.07	3.09	2.95	2.64	2.58	2.74	2.76	2.74	2.59	2.22	1.59	0.91	0.29	38.3	38.3
-60	0.28	0.86	1.46	1.98	2.29	2.42	2.30	1.94	1.44	1.36	1.72	1.97	2.10	2.06	1.84	1.39	0.84	0.28	28.5	28.5
-70	0.28	0.81	1.31	1.66	1.79	1.76	1.55	1.16	0.68	0.62	0.99	1.28	1.48	1.58	1.52	1.24	0.79	0.28	20.8	19.6
-80	0.28	0.81	1.31	1.66	1.79	1.76	1.55	1.16	0.68	0.62	0.99	1.28	1.48	1.58	1.52	1.24	0.79	0.28	20.8	19.6
-90	0.28	0.81	1.31	1.66	1.79	1.76	1.55	1.16	0.68	0.62	0.99	1.28	1.48	1.58	1.52	1.24	0.79	0.28	20.8	19.6
HORIZONTAL (DEG)																				
Φ t	5.41	18.5	34.1	49.2	62.1	74.3	82.7	86.6	87.4	87.4	86.0	81.9	74.0	62.2	49.2	34.4	18.9	5.55	1000	---
Φ a	5.41	18.5	34.1	49.2	62.1	74.3	82.7	86.5	86.4	86.4	85.8	81.9	74.0	62.2	49.2	34.4	18.9	5.55	---	998

ISOCANDELA DIAGRAM

Test:U:120.32V I:0.2858A P:34.155W PF:0.9931 Freq:49.99Hz Lamp Flux:1873.18x1 lm		
NAME: BDWW083035LAJD2 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.75*0.15	Shielding Angle:

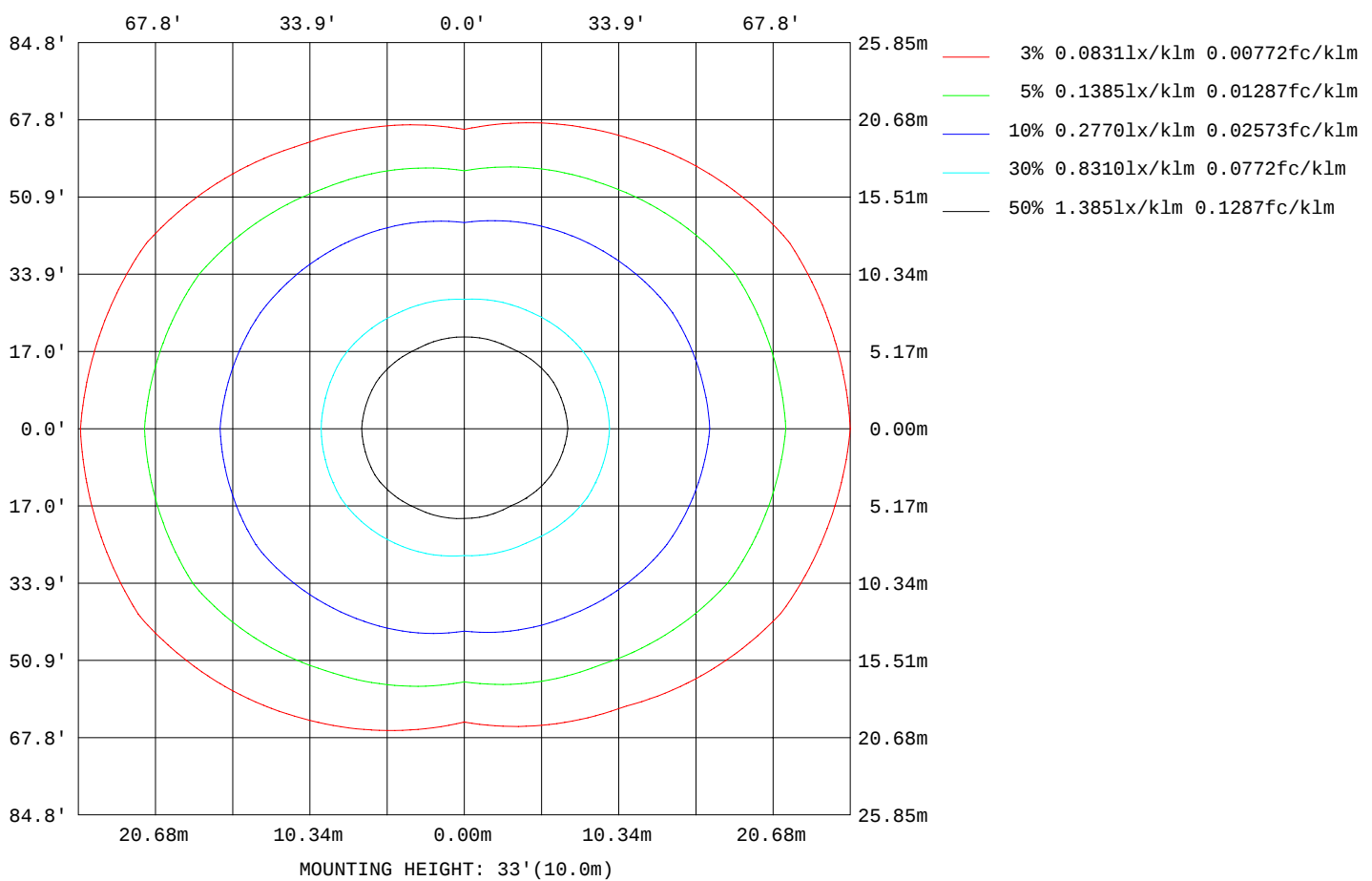


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:袁冠彬
Test Date:2017-10-19

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

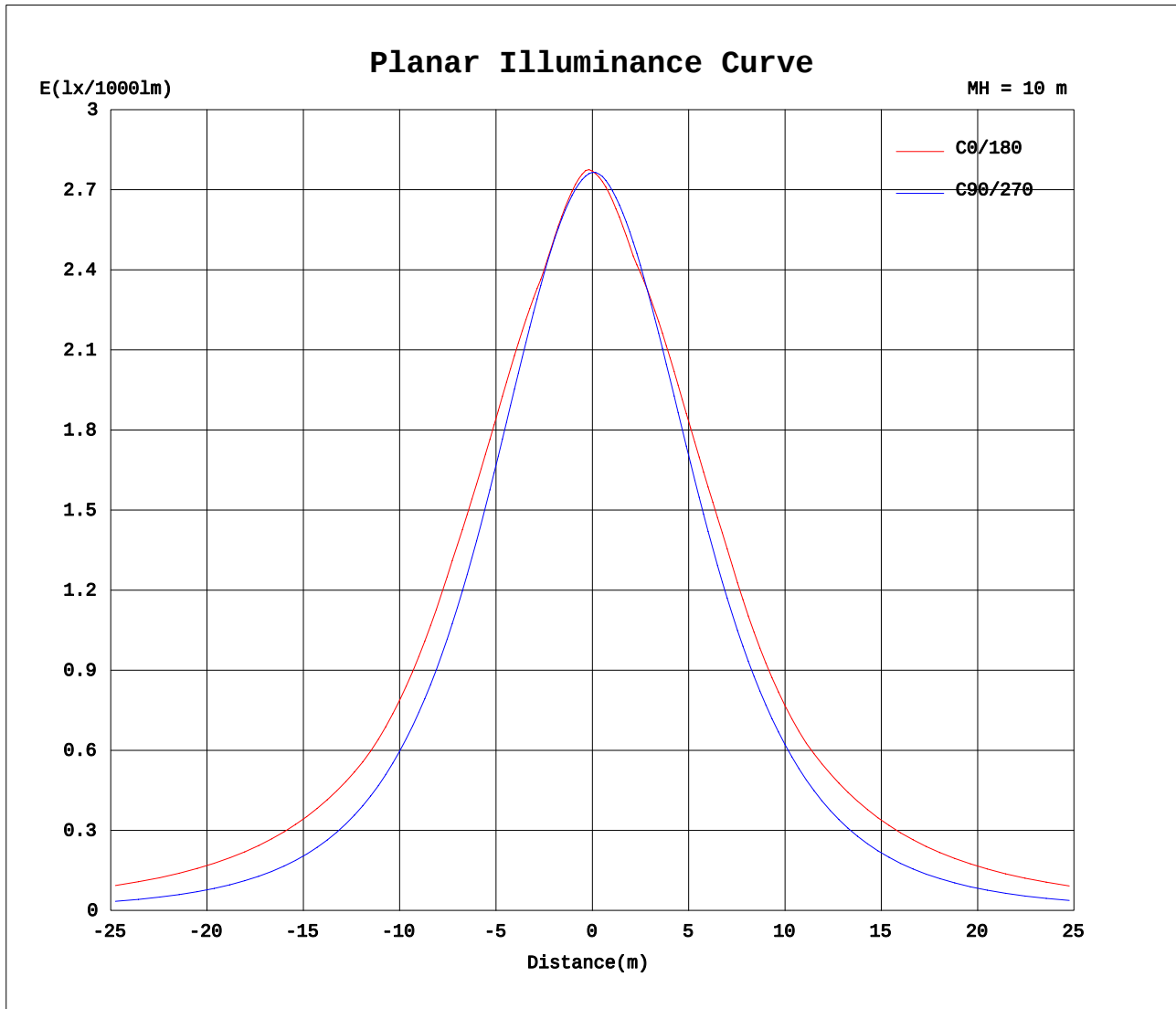
Test:U:120.32V I:0.2858A P:34.155W PF:0.9931 Freq:49.99Hz Lamp Flux:1873.18x1 lm		
NAME: BDWW083035LAJD2 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.75*0.15	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: 袁冠彬
Test Date: 2017-10-19

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

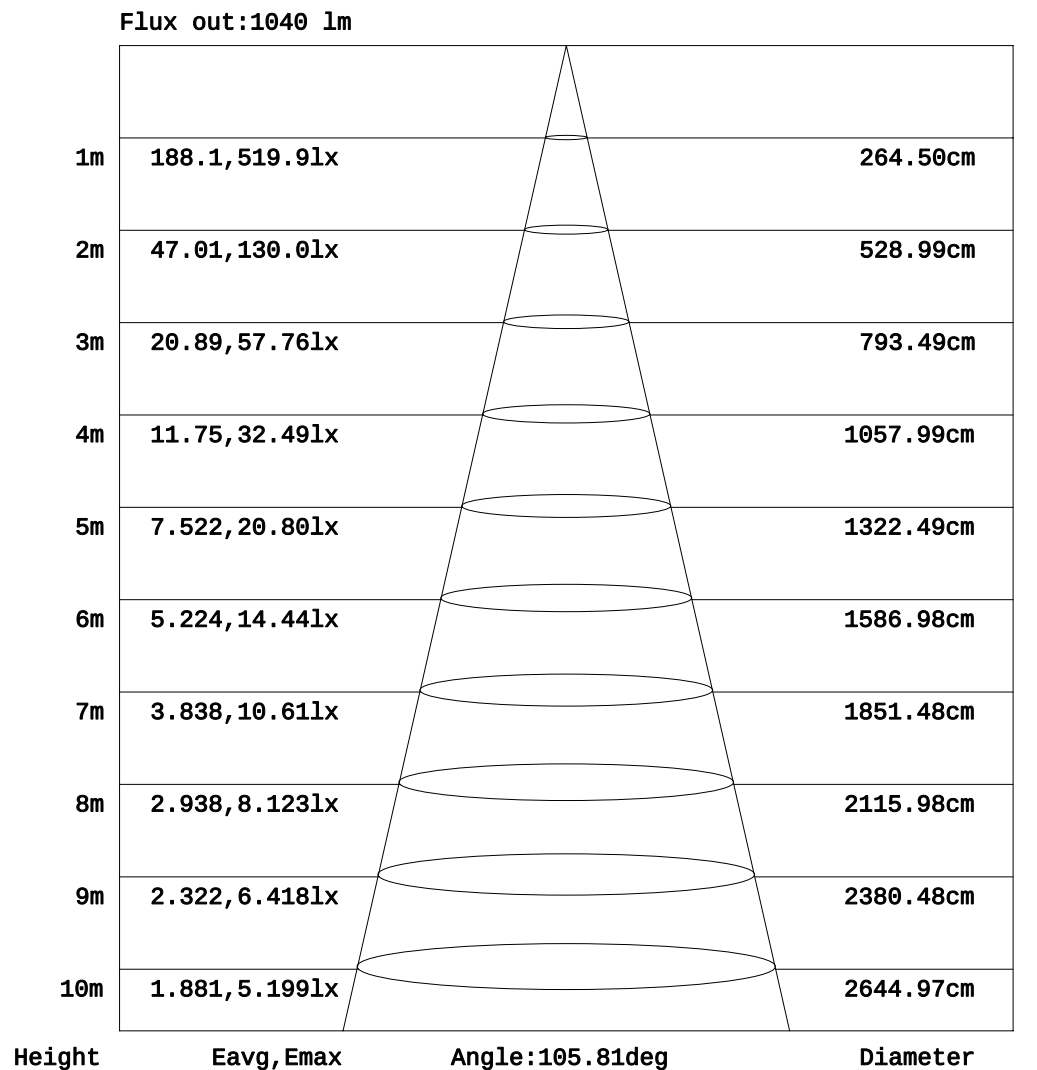


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: 袁冠彬
Test Date: 2017-10-19

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:120.32V I:0.2858A P:34.155W PF:0.9931 Freq:49.99Hz Lamp Flux:1873.18x1 lm		
NAME: BDWW083035LAJD2 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.75*0.15	Shielding 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:2017-10-19

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.32V I:0.2858A P:34.155W PF:0.9931 Freq:49.99Hz Lamp Flux:1873.18x1 lm		
NAME: BDWW083035LAJD2 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.75*0.15	Shielding 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	105	103	102	100	98.8	97.4	95.9	88.9	81.9	75.0	68.0	61.0	54.0	46.9	39.8	32.7	25.6	18.5	11.3
-85	105	104	104	103	103	102	102	95.5	89.1	82.8	76.3	69.8	63.4	55.4	47.3	38.9	30.4	21.8	13.1
-80	105	105	106	106	107	107	107	103	98.4	93.4	88.3	82.8	77.1	68.6	59.6	50.2	40.4	30.5	20.2
-75	105	106	108	109	111	113	116	114	110	107	102	97.6	92.0	83.9	75.1	66.0	56.7	47.0	37.0
-70	105	107	110	112	116	121	125	125	123	120	116	111	105	98.2	90.7	82.9	74.8	66.4	57.3
-65	105	108	112	116	122	128	134	137	135	133	128	124	118	112	106	100	94.1	87.2	79.6
-60	105	109	113	120	128	136	143	148	147	144	140	136	131	126	122	118	114	109	103
-55	105	110	116	125	134	143	152	158	156	154	151	147	145	142	141	139	136	131	126
-50	105	111	118	129	140	150	159	164	166	164	162	161	160	160	161	160	157	153	148
-45	105	112	121	133	145	156	164	170	175	174	173	174	176	178	179	178	176	173	169
-40	105	112	123	137	150	162	169	176	181	183	184	186	190	193	194	194	194	192	188
-35	105	113	125	140	155	166	174	181	186	191	192	197	203	206	208	209	210	209	207
-30	105	114	127	143	159	170	178	185	190	195	202	209	216	220	221	222	223	224	223
-25	105	114	129	146	162	173	182	189	195	200	210	221	229	232	233	233	235	237	237
-20	105	115	130	148	165	176	185	192	198	205	217	230	239	241	243	243	243	247	250
-15	105	115	132	150	167	178	187	195	201	209	223	236	244	249	251	251	251	256	260
-10	105	116	133	152	169	180	189	197	203	213	227	241	248	253	256	258	258	263	268
-5	105	116	133	153	170	182	191	199	205	216	231	244	251	255	259	260	263	269	273
0	105	116	134	153	171	183	192	200	207	217	232	246	253	257	261	262	265	272	277
5	105	116	133	152	170	181	190	198	205	215	230	244	250	255	258	260	263	271	275
10	105	115	132	151	168	179	188	195	202	212	227	240	247	251	255	257	260	266	270
15	105	115	131	149	166	176	185	192	199	208	222	235	242	247	249	251	254	259	263
20	105	114	130	147	163	173	182	189	194	203	216	229	236	239	241	242	245	250	254
25	105	114	128	145	160	170	178	185	190	197	208	220	227	230	232	233	236	240	242
30	105	113	126	142	156	166	174	180	185	190	199	208	215	219	221	222	225	228	229
35	105	112	124	138	152	162	169	175	180	184	188	195	201	206	207	210	212	213	213
40	105	112	122	135	147	157	164	169	174	176	179	183	187	191	193	195	197	197	195
45	105	111	119	131	142	152	158	163	167	167	169	171	173	176	178	179	179	178	176
50	105	110	117	126	136	146	152	157	158	157	157	158	160	161	161	161	160	158	155
55	105	109	114	122	131	139	146	150	148	146	145	144	143	143	143	142	140	137	133
60	105	108	112	118	125	131	137	141	138	135	132	129	126	124	123	121	118	114	110
65	105	107	110	113	118	124	128	130	128	125	120	115	110	106	103	99.8	96.0	91.4	86.1
70	105	106	107	109	112	116	119	119	116	112	108	103	96.8	91.4	86.3	81.1	75.5	69.5	62.9
75	105	105	105	106	107	108	110	108	104	99.7	94.8	89.5	83.5	77.0	70.4	63.6	56.5	49.1	41.3
80	105	104	103	103	102	101	101	96.9	92.1	87.1	81.9	76.4	70.5	63.2	55.5	47.7	39.6	31.4	22.9
85	105	103	101	99.8	98.1	96.4	94.6	88.3	81.9	75.6	69.2	62.8	56.4	49.5	42.3	35.0	27.5	19.8	12.1
90	105	102	99.4	96.8	94.2	91.6	89.0	81.8	74.5	67.3	60.1	52.8	45.6	39.6	33.7	27.7	21.7	15.8	9.80

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
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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:120.32V I:0.2858A P:34.155W PF:0.9931 Freq:49.99Hz Lamp Flux:1873.18x1 lm		
NAME: BDWW083035LAJD2 3500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.75*0.15	Shielding Angle:

Table--2

UNIT: cd/klm

H(DEC)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
V(DEC)																			
-90	16.6	21.8	27.1	32.3	37.6	42.8	50.5	58.1	65.8	73.4	81.0	88.7	91.8	95.0	98.2	101	104	108	
-85	19.8	26.4	33.0	39.4	45.6	51.7	58.9	66.1	73.3	80.4	87.4	94.2	96.6	98.8	101	103	105	108	
-80	28.2	36.0	43.5	50.8	57.8	64.5	71.1	77.4	83.5	89.3	94.9	100.0	101	103	104	105	106	108	
-75	44.5	51.6	58.4	65.0	71.3	77.6	84.4	90.6	96.2	101	105	109	108	107	107	107	108	108	
-70	63.7	69.6	75.1	80.2	85.2	90.8	97.5	103	109	113	117	118	116	113	110	109	109	108	
-65	84.8	89.2	93.0	96.2	99.3	104	110	116	121	125	128	127	124	119	115	111	110	108	
-60	107	111	113	115	116	119	123	128	132	136	139	136	131	126	120	114	111	108	
-55	130	133	135	135	135	136	138	140	143	146	148	145	139	132	124	116	112	108	
-50	151	153	153	153	153	153	153	153	154	155	155	152	146	138	129	119	113	108	
-45	171	172	171	170	169	167	166	165	164	165	162	158	152	144	133	122	113	108	
-40	190	189	188	185	184	182	179	175	174	172	168	163	158	149	137	125	114	108	
-35	207	205	203	200	200	197	192	186	182	178	174	169	163	154	141	127	115	108	
-30	222	219	215	214	213	211	206	198	189	184	180	174	167	158	145	130	116	108	
-25	235	231	226	226	225	223	218	208	197	190	185	178	171	162	148	132	117	108	
-20	247	242	239	237	235	233	228	217	204	195	189	183	175	165	151	134	117	108	
-15	258	253	249	247	244	240	234	224	211	200	193	186	178	168	153	135	118	108	
-10	266	260	254	253	250	246	240	230	216	204	197	190	181	170	155	137	119	108	
-5	272	265	259	258	255	251	245	234	220	207	200	192	183	172	157	138	119	108	
0	275	269	262	262	259	255	249	238	223	210	203	195	185	174	158	139	119	108	
5	273	266	260	259	256	252	247	235	221	208	201	193	184	173	157	138	119	108	
10	268	262	257	256	253	249	243	232	218	206	199	191	182	172	156	137	119	108	
15	260	255	252	250	248	244	238	227	213	203	196	189	180	170	154	136	118	108	
20	251	246	243	242	241	239	232	220	208	199	193	186	177	167	152	135	118	108	
25	240	236	233	233	232	230	223	213	202	195	190	183	174	165	150	133	117	108	
30	228	226	223	222	221	218	212	204	195	191	185	179	171	161	147	131	117	108	
35	214	213	211	210	208	205	199	193	190	186	181	175	167	157	144	129	116	108	
40	197	198	197	196	195	192	188	185	183	181	176	170	163	153	140	127	115	108	
45	179	181	182	181	181	179	176	175	174	174	170	165	158	148	136	124	114	108	
50	159	162	164	166	165	164	164	164	164	165	164	159	152	143	132	121	114	108	
55	138	142	145	146	147	148	150	152	154	156	158	153	145	137	128	119	113	108	
60	115	120	124	127	129	132	136	140	144	147	148	144	138	131	123	116	112	108	
65	92.7	98.7	104	109	114	119	125	129	133	136	138	136	130	124	119	114	111	108	
70	71.2	78.9	86.3	93.3	100	107	112	117	121	124	126	126	122	118	114	112	110	108	
75	50.9	60.0	68.9	77.5	85.9	93.8	99.4	104	108	112	115	117	114	112	111	110	109	108	
80	33.2	43.2	52.9	62.4	71.6	80.3	85.5	90.6	95.3	99.8	104	108	108	108	108	108	108	108	
85	21.4	30.6	39.7	48.7	57.4	65.8	71.9	77.9	84.0	90.0	96.1	102	103	104	105	106	107	108	
90	17.4	25.0	32.5	40.1	47.7	55.3	62.1	69.0	75.8	82.7	89.5	96.4	98.2	100	102	104	106	108	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:袁冠彬
Test Date:2017-10-19

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: