

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

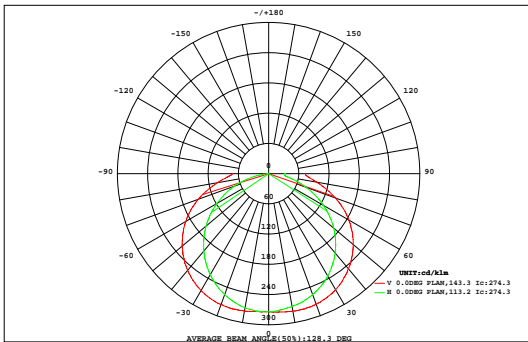
Maximum Intensity (Luminaire orientation as tested.)		277.9 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	169.1V x 180.0H 113.2V x 143.3H 48.6V x 81.2H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.0 lumens per klm. 998.3 lumens per klm. 777.7 lumens per klm. 250.3 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 GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:7.400m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.25V I:0.1909A P:22.757W PF:0.9912 Freq:59.98Hz Lamp Flux:1032.29x1 lm		
NAME: LASW051728LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.26*0.116+2*0.116*0.05+0.116*0.05 Shielding Angle:	



DATA OF LAMP		Eff:45.36lm/W	
MODEL	LED	Imax(cd/klm)	277.9
NOMINAL POWER(W)		AVAILABILITY(%)	99.8
RATED VOLTAGE(V)	120	Avai. FLUX(lm/klm)	997.9
NOMINAL FLUX(lm)	1032.29	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm/klm)	1000.0
TEST VOLTAGE(V)	120	θ @50%(H,V)	143,1133DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm/klm		Φ t	Φ a		
	0.18	0.52	0.80	0.97	1.00	0.92	0.78	0.59	0.34	0.36	0.66	0.89	1.04	1.10	1.05	0.84	0.53			0.18	12.7
90	0.18	0.52	0.80	0.97	1.00	0.92	0.78	0.59	0.34	0.36	0.66	0.89	1.04	1.10	1.05	0.84	0.53	0.18	12.7	10.7	
80	0.19	0.55	0.94	1.30	1.57	1.75	1.82	1.76	1.57	1.60	1.85	1.96	1.90	1.71	1.42	1.02	0.58	0.19	23.7	23.6	
70	0.19	0.61	1.15	1.75	2.28	2.71	3.00	3.11	3.02	3.05	3.20	3.14	2.87	2.43	1.88	1.24	0.66	0.20	36.5	36.5	
60	0.20	0.69	1.37	2.20	2.98	3.63	4.11	4.39	4.39	4.42	4.47	4.24	3.78	3.13	2.34	1.47	0.74	0.21	48.7	48.7	
50	0.20	0.76	1.58	2.61	3.61	4.47	5.12	5.53	5.61	5.64	5.60	5.24	4.60	3.75	2.74	1.68	0.81	0.21	59.8	59.8	
40	0.21	0.82	1.77	2.94	4.15	5.19	5.99	6.50	6.66	6.67	6.55	6.08	5.30	4.27	3.06	1.87	0.88	0.22	69.1	69.1	
30	0.22	0.88	1.92	3.20	4.54	5.76	6.69	7.27	7.48	7.49	7.30	6.77	5.87	4.65	3.31	2.01	0.94	0.23	76.5	76.5	
20	0.22	0.92	2.03	3.39	4.81	6.13	7.19	7.82	8.04	8.04	7.83	7.25	6.22	4.91	3.49	2.12	0.98	0.23	81.6	81.6	
10	0.22	0.94	2.09	3.51	4.98	6.34	7.42	8.09	8.32	8.30	8.10	7.47	6.42	5.08	3.60	2.18	1.00	0.24	84.3	84.3	
0	0.23	0.94	2.09	3.51	4.99	6.34	7.41	8.05	8.27	8.25	8.05	7.45	6.41	5.07	3.60	2.18	1.00	0.24	84.1	84.1	
-10	0.22	0.92	2.03	3.40	4.83	6.14	7.17	7.79	8.00	7.98	7.77	7.19	6.20	4.90	3.48	2.12	0.98	0.23	81.4	81.4	
-20	0.22	0.88	1.93	3.22	4.57	5.80	6.73	7.32	7.52	7.50	7.29	6.74	5.84	4.63	3.30	2.01	0.93	0.23	76.7	76.7	
-30	0.21	0.83	1.78	2.96	4.19	5.26	6.11	6.63	6.78	6.76	6.60	6.09	5.30	4.25	3.04	1.86	0.88	0.22	69.8	69.8	
-40	0.21	0.77	1.60	2.63	3.68	4.58	5.30	5.72	5.79	5.78	5.69	5.27	4.60	3.73	2.71	1.67	0.81	0.22	60.8	60.8	
-50	0.20	0.71	1.40	2.24	3.06	3.78	4.32	4.60	4.59	4.59	4.57	4.29	3.79	3.11	2.32	1.47	0.74	0.21	50.0	50.0	
-60	0.20	0.65	1.20	1.82	2.39	2.88	3.21	3.33	3.23	3.23	3.31	3.19	2.88	2.43	1.88	1.25	0.67	0.20	38.0	38.0	
-70	0.20	0.61	1.04	1.46	1.77	2.01	2.12	2.06	1.87	1.87	2.05	2.09	2.00	1.79	1.48	1.07	0.62	0.20	26.3	26.3	
-80	0.20	0.59	0.97	1.29	1.48	1.58	1.55	1.38	1.15	1.13	1.34	1.49	1.52	1.44	1.27	0.96	0.58	0.19	20.1	20.1	
-90	0.20	0.59	0.97	1.29	1.48	1.58	1.55	1.38	1.15	1.13	1.34	1.49	1.52	1.44	1.27	0.96	0.58	0.19	20.1	20.1	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	3.72	13.6	27.7	44.4	60.8	75.3	86.0	91.9	92.6	92.7	92.2	86.8	76.6	62.4	46.0	29.0	14.3	3.85	1000	---	
Φ a	3.72	13.6	27.7	44.4	60.8	75.2	85.7	91.6	92.3	92.3	91.9	86.6	76.5	62.4	46.0	29.0	14.3	3.85	---	998	

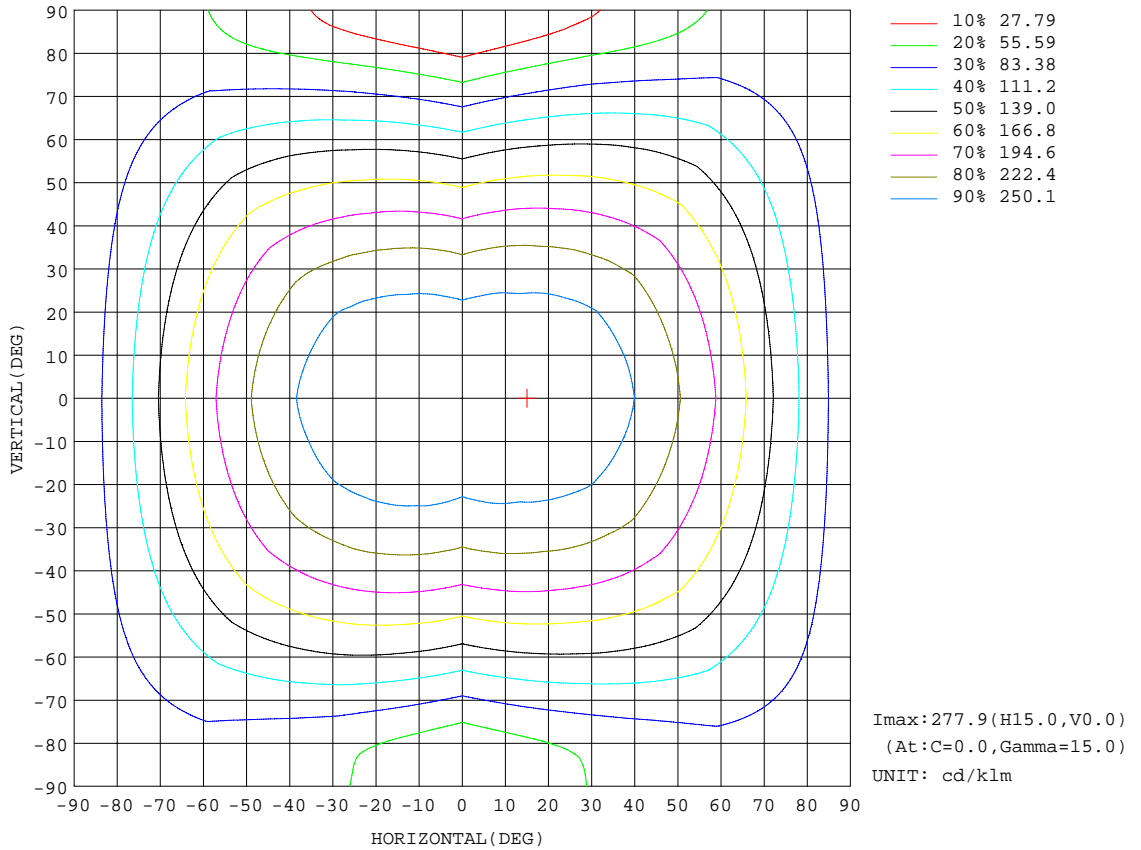
one-half-peak spread: U:59.7,D:54.2 , L:53.1,R:51.8 NEMA Beam Type: Type 7

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 GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.25V I:0.1909A P:22.757W PF:0.9912 Freq:59.98Hz Lamp Flux:1032.29x1 lm		
NAME: LASW051728LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.26*0.116+2*0.116*0.05+chilming	Shielding Angle:

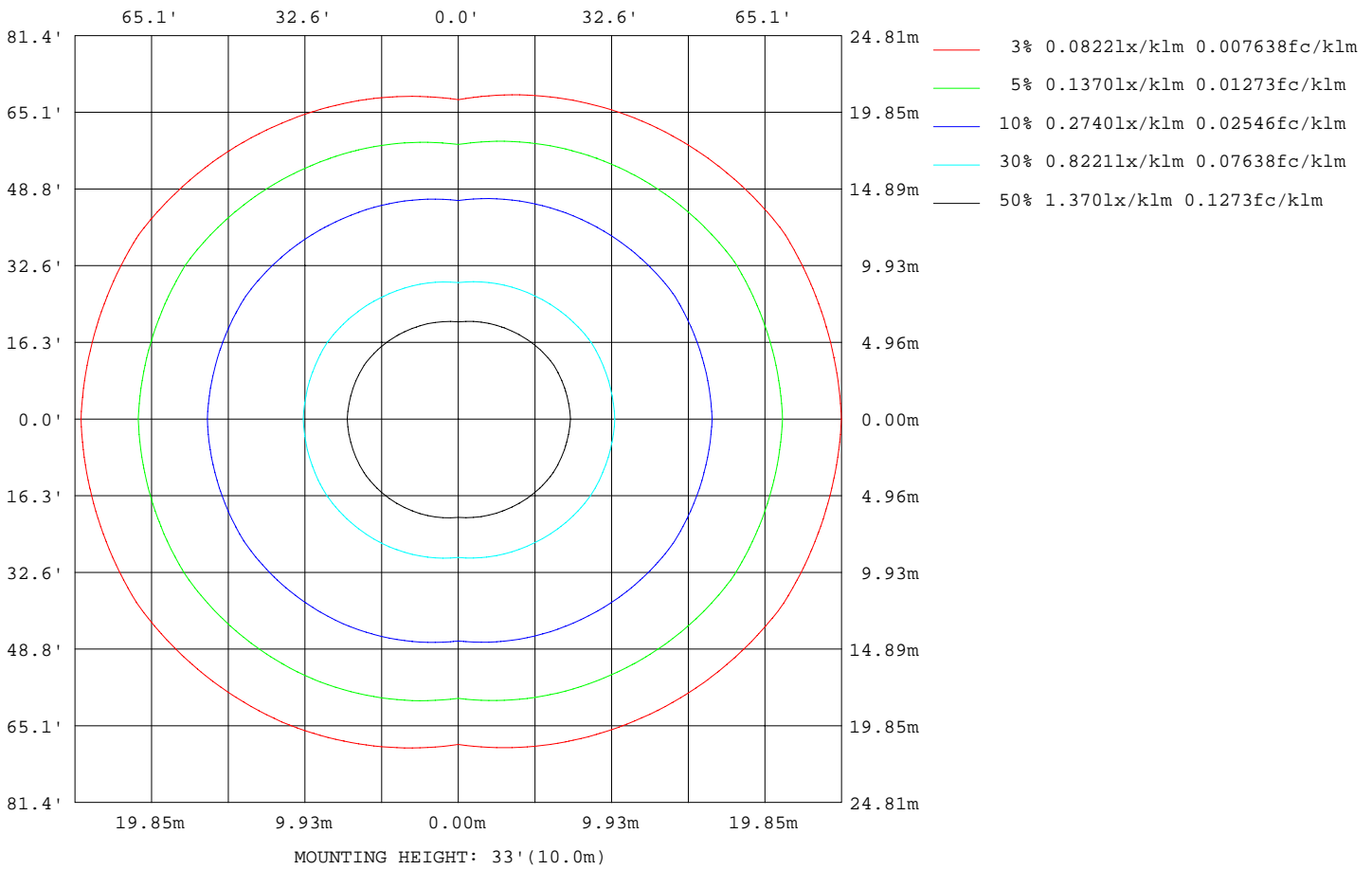


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:袁冠彬
 Test Date:2017-09-16

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

ISOLUX DIAGRAM

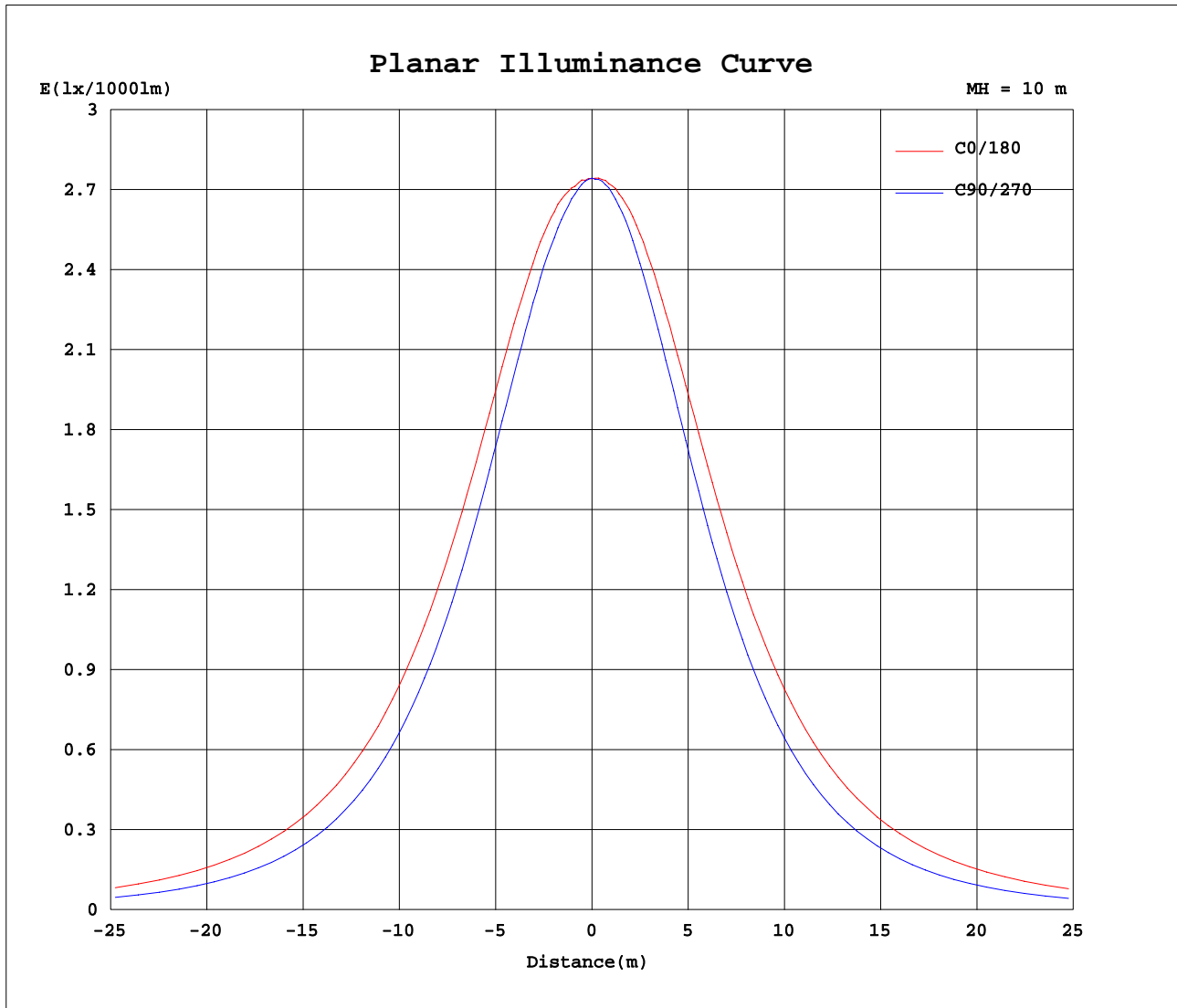
Test:U:120.25V I:0.1909A P:22.757W PF:0.9912 Freq:59.98Hz Lamp Flux:1032.29x1 lm		
NAME: LASW051728LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.26*0.116+2*0.116*0.05+0.116*0.05	Shielding Angle:



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 GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 7.400m [K=1.0000]
 Remarks:

Planar Illuminance Curve

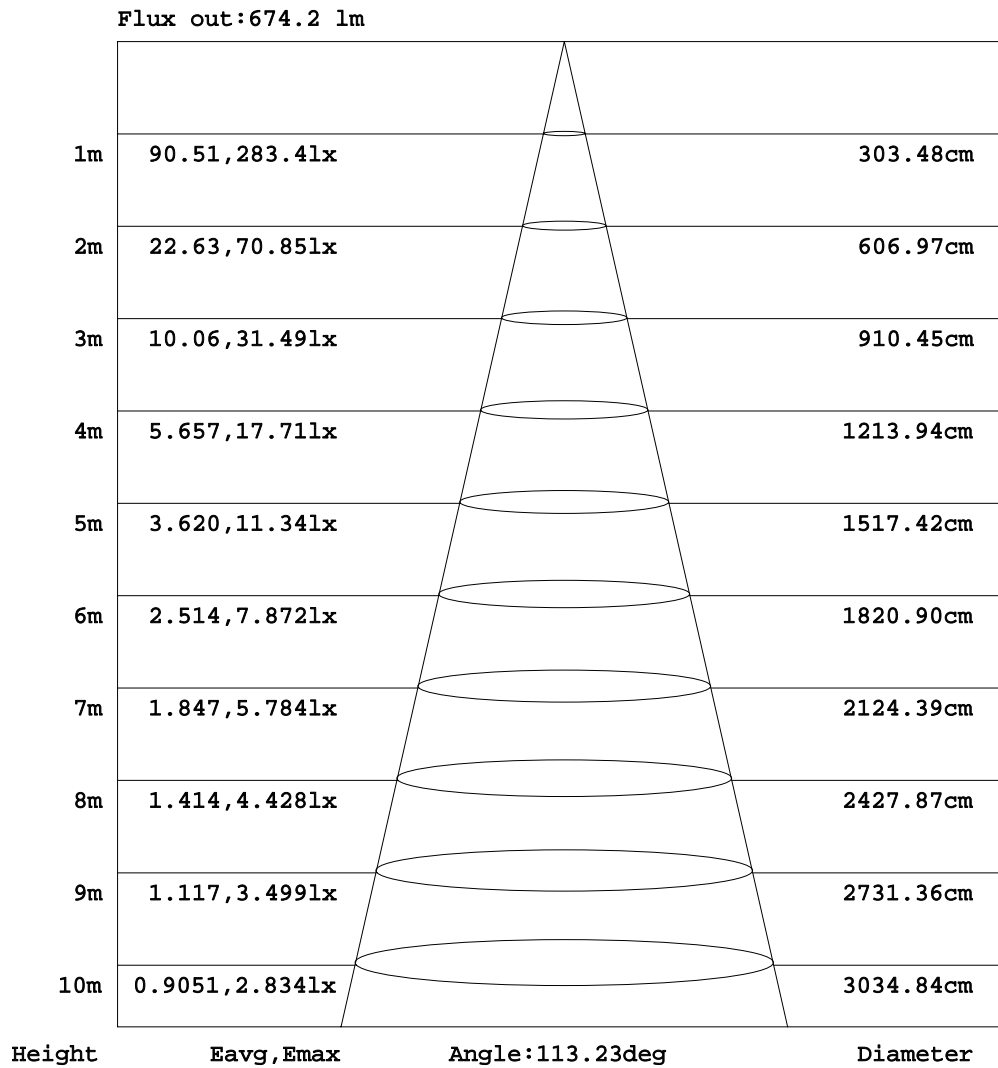


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: 袁冠彬
 Test Date: 2017-09-16

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:120.25V I:0.1909A P:22.757W PF:0.9912 Freq:59.98Hz Lamp Flux:1032.29x1 lm		
NAME: LASW051728LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.26*0.116+2*0.116*0.05+0.116*0.05	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:2017-09-16

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:120.25V I:0.1909A P:22.757W PF:0.9912 Freq:59.98Hz Lamp Flux:1032.29x1 lm		
NAME: LASW051728LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.26*0.116+2*0.116*0.05+0.116*0.05 Cutoff Angle:	

Table--1

UNIT: cd/klm

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	73.0	73.3	73.7	74.1	74.5	74.9	75.2	72.5	69.9	67.2	64.5	61.8	59.1	54.6	50.1	45.6	41.2	36.7	32.2
-85	73.0	73.4	73.9	74.5	75.0	75.5	75.9	73.4	70.8	68.2	65.5	62.8	60.0	55.5	50.9	46.3	41.6	36.9	32.3
-80	73.0	73.5	74.3	75.2	76.1	77.1	78.0	76.3	74.3	72.1	69.8	67.4	64.8	60.8	56.7	52.4	47.8	43.0	38.1
-75	73.0	73.7	74.9	76.6	78.5	80.7	83.0	83.0	82.5	81.9	81.2	80.3	79.0	76.5	73.4	69.8	65.8	61.3	56.3
-70	73.0	73.9	75.9	78.7	82.3	86.2	90.4	92.8	94.3	95.7	96.7	97.1	97.2	96.1	93.9	91.1	87.7	83.5	78.7
-65	73.0	74.1	77.2	81.7	87.1	93.1	99.4	104	108	111	114	115	117	117	116	114	111	107	102
-60	73.0	74.5	78.7	85.0	92.5	101	109	117	122	127	131	134	136	137	137	136	133	130	125
-55	73.0	74.9	80.6	88.7	98.3	108	119	129	136	142	147	152	155	157	157	157	155	152	147
-50	73.0	75.4	82.6	92.6	104	116	129	140	149	157	163	169	173	176	177	177	176	173	169
-45	73.0	76.0	84.6	96.5	110	124	138	151	163	171	178	184	189	193	194	195	194	192	188
-40	73.0	76.5	86.6	100	116	131	146	161	174	184	192	199	204	208	211	212	211	209	205
-35	73.0	77.0	88.5	104	121	138	154	170	183	195	204	212	218	222	225	226	226	224	221
-30	73.0	77.5	90.3	107	125	144	161	177	192	204	215	223	230	234	237	239	239	238	235
-25	73.0	78.0	92.0	110	130	149	167	184	199	212	224	233	240	245	248	250	250	249	246
-20	73.0	78.3	93.4	113	133	153	173	190	205	219	231	241	249	254	257	258	259	258	255
-15	73.0	78.6	94.6	115	136	157	177	194	211	225	237	247	255	261	264	265	266	264	263
-10	73.0	78.9	95.5	116	138	160	180	198	215	229	241	251	260	266	269	271	271	269	268
-5	73.0	79.0	96.1	118	140	162	182	201	217	232	244	255	263	269	273	274	274	273	271
0	73.0	79.1	96.4	118	141	163	184	203	219	234	246	257	266	272	276	278	277	275	274
5	73.0	78.8	95.9	117	140	162	182	201	217	232	244	255	264	270	274	276	276	275	274
10	73.0	78.5	95.1	116	138	160	180	198	214	228	241	251	260	266	271	273	273	271	270
15	73.0	78.1	94.0	114	136	157	176	194	210	224	236	246	255	262	265	267	266	266	264
20	73.0	77.6	92.7	112	133	153	172	189	204	218	230	240	248	254	257	258	258	258	255
25	73.0	77.1	91.1	109	129	148	167	183	198	211	223	232	238	243	246	248	248	248	245
30	73.0	76.4	89.2	106	125	143	160	176	190	203	214	221	227	231	234	235	236	235	232
35	73.0	75.7	87.1	103	120	137	153	168	181	194	202	209	214	218	220	222	222	220	217
40	73.0	75.0	84.8	98.8	114	130	145	159	172	181	189	195	199	203	204	206	206	204	200
45	73.0	74.3	82.4	94.6	108	123	136	149	160	168	174	180	184	186	188	189	188	186	182
50	73.0	73.5	80.0	90.3	102	114	127	138	147	154	159	163	167	168	170	170	169	166	162
55	73.0	72.8	77.6	85.9	95.7	106	117	127	133	139	143	146	148	149	150	150	148	145	141
60	73.0	72.2	75.3	81.4	89.1	97.5	106	114	119	123	126	128	129	129	129	128	126	123	119
65	73.0	71.7	73.2	77.1	82.7	88.8	95.4	100	103	106	108	109	109	109	108	106	104	100	95.5
70	73.0	71.2	71.3	73.2	76.4	80.5	84.8	87.2	88.3	89.2	89.7	89.6	89.0	87.6	85.8	83.2	80.0	76.0	71.3
75	73.0	70.9	69.8	69.9	70.9	72.6	74.8	74.6	73.7	72.7	71.5	70.0	68.1	65.9	63.2	60.0	56.2	51.9	47.0
80	73.0	70.6	68.7	67.4	66.6	66.3	66.2	63.3	60.3	57.3	54.3	51.1	47.9	44.6	41.0	37.2	32.9	28.4	23.4
85	73.0	70.4	68.0	65.8	63.7	61.8	60.1	55.2	50.3	45.5	40.6	35.8	30.9	26.5	22.1	17.4	12.7	7.79	2.80
90	73.0	70.3	67.6	64.9	62.2	59.5	56.8	51.0	45.1	39.3	33.5	27.7	21.9	18.2	14.6	10.9	7.28	3.64	0.00

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 GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:7.400m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.25V I:0.1909A P:22.757W PF:0.9912 Freq:59.98Hz Lamp Flux:1032.29x1 lm		
NAME: LASW051728LAJD2	TYPE:3500K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIGHTART	SUR.:0.26*0.116+2*0.116*0.05+0.116*0.05 Chill 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	36.2	40.3	44.3	48.4	52.5	56.5	59.4	62.3	65.2	68.1	70.9	73.8	73.4	73.0	72.6	72.2	71.8	71.4
-85	36.5	40.7	44.9	49.0	53.2	57.3	60.5	63.6	66.6	69.5	72.3	75.0	74.6	74.2	73.6	72.9	72.2	71.4
-80	42.8	47.2	51.5	55.5	59.2	62.8	66.0	69.0	71.7	74.3	76.6	78.3	77.6	76.7	75.5	74.0	72.6	71.4
-75	61.1	65.4	69.1	72.4	75.3	77.8	79.8	81.4	82.7	83.9	84.8	84.8	82.5	80.2	77.9	75.6	73.2	71.4
-70	83.4	87.3	90.5	93.1	95.1	96.4	97.2	97.6	97.3	96.6	95.5	93.4	89.2	84.9	81.0	77.5	73.9	71.4
-65	107	110	113	115	116	116	116	115	113	111	108	103	96.8	90.7	84.7	79.4	74.6	71.4
-60	130	133	135	136	136	136	134	132	129	125	121	113	105	96.8	88.8	81.6	75.6	71.4
-55	152	154	156	156	156	155	152	149	145	139	133	124	113	103	93.1	84.0	76.5	71.4
-50	173	175	176	176	174	172	169	165	160	153	145	134	122	109	97.5	86.4	77.4	71.4
-45	191	193	194	193	192	189	185	180	174	166	155	143	130	116	102	88.7	78.2	71.4
-40	208	210	210	209	207	204	200	194	186	177	165	151	137	122	106	91.2	79.0	71.4
-35	224	225	225	224	222	218	213	206	198	187	174	159	144	127	110	93.5	79.7	71.4
-30	237	238	237	236	234	230	225	218	208	195	182	167	150	132	113	95.6	80.5	71.4
-25	248	249	248	247	245	241	235	227	216	203	189	173	155	136	116	97.5	81.2	71.4
-20	257	257	258	257	254	250	243	234	222	209	195	178	160	140	119	99.2	81.8	71.4
-15	264	264	265	264	262	256	249	240	228	215	199	182	164	143	122	101	82.3	71.4
-10	268	270	270	270	267	261	254	244	233	219	203	186	167	146	123	102	82.6	71.4
-5	272	274	274	273	270	265	258	248	236	222	206	188	169	147	125	102	82.9	71.4
0	274	277	278	276	273	268	260	250	238	224	208	190	170	149	125	103	83.0	71.4
5	274	276	276	275	271	266	258	248	236	222	206	188	169	148	125	102	82.8	71.4
10	271	272	273	272	268	262	255	245	233	219	203	186	167	146	123	102	82.4	71.4
15	266	266	267	266	264	258	250	240	229	215	200	183	164	143	122	100	82.0	71.4
20	258	259	259	258	256	252	244	234	223	210	195	179	160	140	119	99.0	81.4	71.4
25	248	249	249	248	246	242	236	227	217	204	189	174	156	137	117	97.2	80.7	71.4
30	235	237	237	236	234	231	226	219	209	196	183	167	151	132	113	95.2	79.9	71.4
35	221	223	224	223	221	218	213	207	199	188	175	161	145	127	110	93.0	79.0	71.4
40	204	207	208	208	206	204	200	194	188	179	166	153	138	122	106	90.5	78.1	71.4
45	187	189	191	191	190	188	185	180	174	168	157	144	130	116	101	87.9	77.1	71.4
50	167	170	172	173	173	171	169	165	161	155	146	135	122	109	96.9	85.2	76.1	71.4
55	146	150	152	154	154	154	152	149	146	141	135	125	114	103	92.1	82.4	75.1	71.4
60	124	128	131	134	135	135	134	132	130	126	122	114	105	96.0	87.3	79.7	74.0	71.4
65	101	106	109	112	114	115	116	115	113	111	108	103	96.0	89.1	82.5	77.0	72.9	71.4
70	77.1	82.1	86.4	90.0	92.8	95.0	96.1	96.5	96.2	95.6	94.4	92.1	87.1	82.4	77.9	74.5	72.0	71.4
75	53.0	58.3	63.1	67.4	71.1	74.2	76.4	78.1	79.3	80.5	81.4	81.6	78.7	76.0	73.8	72.2	71.2	71.4
80	29.4	34.9	40.1	45.0	49.5	53.7	57.1	60.4	63.5	66.5	69.2	71.7	71.0	70.5	70.2	70.0	70.4	71.4
85	8.69	14.5	20.1	25.6	30.9	36.1	40.9	45.6	50.3	54.9	59.5	64.1	65.1	66.1	67.2	68.4	69.9	71.4
90	4.25	8.49	12.7	17.0	21.2	25.5	31.1	36.7	42.3	47.9	53.5	59.1	61.2	63.2	65.2	67.3	69.3	71.4

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 GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 7.400m [K=1.0000]
 Remarks: