

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

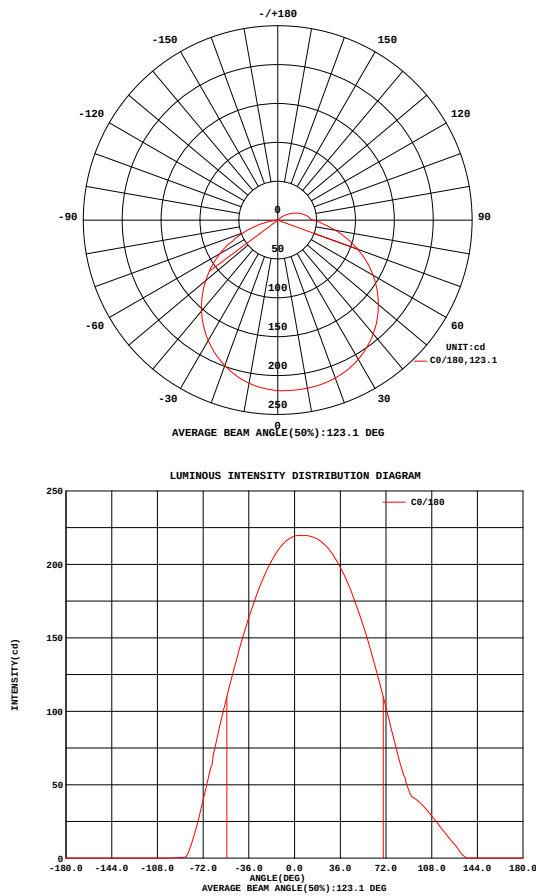


Fig. C0/C180

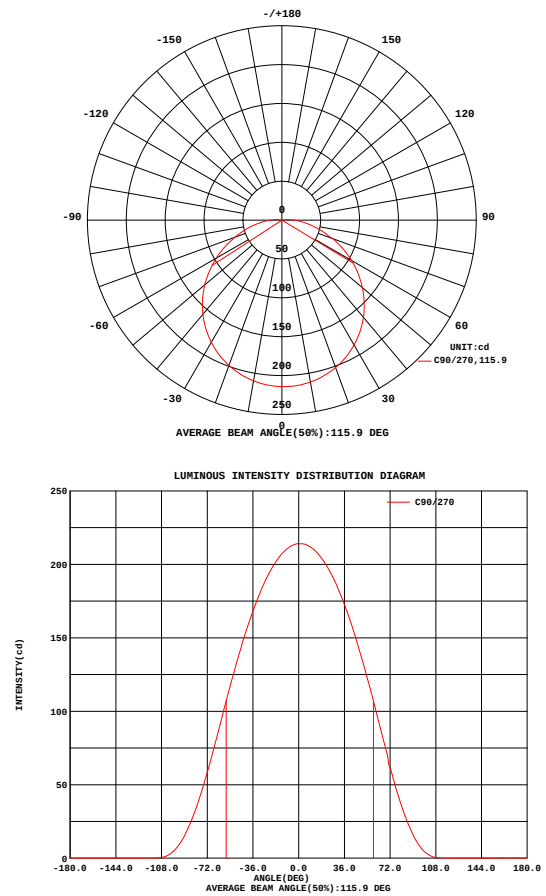


Fig. C90/C270

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yt
Test Date:2020-01-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R3000(2M2D) SYSTEM V2.00.416
Humidity:65.0%
Test Distance:1.593m [K=1.0000]
Remarks:

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	304.7 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	4.0 degrees horizontal

Beam Spread	At 10% of Imax	173.2V x 166.9H
	At 50% of Imax	114.4V x 123.1H
	At 90% of Imax	44.4V x 57.1H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	974.0 lumens per klm.
	To 50% of Imax	705.7 lumens per klm.
	To 90% of Imax	167.8 lumens per klm.

Upward LOR	4.2 %
Downward LOR	95.8 %

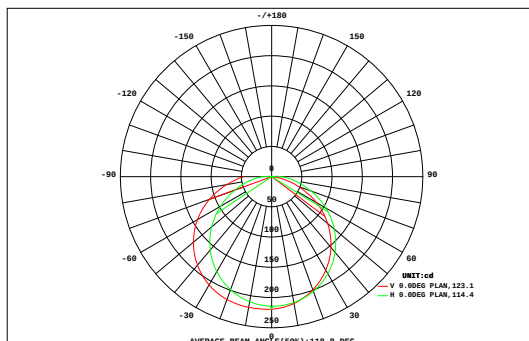
Luminaire Efficiency(Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yt
 Test Date:2020-01-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R3000(2M2D) SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:1.593m [K=1.0000]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 180弧面LED感应太阳能灯	TYPE: 6925604345	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: A2020011505
MFR.: UTEC	SUR.:	Shielding Angle:



DATA OF LAMP				Eff: 83.43lm/W	
MODEL				Imax(cd)	219.6
NOMINAL POWER(W)	8.64	AVAILABILITY(%)	97.4		
RATED VOLTAGE(V)	3.2	Avai. FLUX(lm)	701.9		
NOMINAL FLUX(lm)	720.827	LOR(%)	100.0		
LAMPS INSIDE	1	TOTAL FLUX(lm)	720.8		
TEST VOLTAGE(V)	3.2	θ @50%(H,V)	123,114DEG		

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		φ t	φ a
	0.00	0.01	0.05	0.13	0.24	0.37	0.51	0.62	0.70	0.77	0.88	0.97	1.00	0.94	0.81	0.61	0.37	0.12	9.09	7.15
90	0.00	0.03	0.13	0.31	0.54	0.81	1.06	1.29	1.43	1.52	1.62	1.64	1.55	1.34	1.07	0.74	0.42	0.13	15.6	15.1
80	0.00	0.06	0.23	0.55	0.93	1.39	1.79	2.15	2.36	2.48	2.53	2.44	2.21	1.83	1.38	0.90	0.48	0.14	23.9	23.6
70	0.01	0.10	0.36	0.84	1.39	2.04	2.60	3.08	3.36	3.47	3.47	3.25	2.87	2.31	1.70	1.07	0.54	0.15	32.6	32.5
60	0.01	0.15	0.50	1.11	1.86	2.65	3.37	3.95	4.28	4.39	4.32	4.00	3.47	2.77	1.99	1.22	0.60	0.15	40.8	40.7
50	0.01	0.19	0.64	1.36	2.26	3.18	4.03	4.68	5.07	5.17	5.04	4.65	3.98	3.16	2.23	1.36	0.65	0.16	47.8	47.8
40	0.01	0.22	0.76	1.58	2.57	3.62	4.55	5.27	5.70	5.79	5.61	5.14	4.40	3.46	2.44	1.48	0.69	0.16	53.4	53.4
30	0.02	0.24	0.83	1.74	2.81	3.92	4.93	5.70	6.14	6.22	6.01	5.49	4.68	3.67	2.59	1.56	0.72	0.17	57.4	57.4
20	0.02	0.24	0.86	1.81	2.94	4.11	5.17	5.98	6.41	6.46	6.24	5.71	4.88	3.83	2.69	1.61	0.74	0.17	59.9	59.8
10	0.01	0.24	0.85	1.79	2.90	4.05	5.11	5.92	6.39	6.52	6.33	5.79	4.93	3.85	2.70	1.62	0.74	0.17	59.9	59.9
0	0.01	0.23	0.80	1.69	2.78	3.91	4.93	5.73	6.21	6.31	6.10	5.59	4.78	3.74	2.62	1.57	0.72	0.17	57.9	57.8
-10	0.01	0.20	0.73	1.58	2.59	3.63	4.61	5.38	5.83	5.91	5.72	5.25	4.49	3.54	2.50	1.49	0.69	0.16	54.3	54.3
-20	0.01	0.17	0.64	1.39	2.29	3.26	4.13	4.83	5.25	5.34	5.17	4.76	4.10	3.23	2.30	1.39	0.65	0.16	49.1	49.0
-30	0.01	0.13	0.53	1.13	1.92	2.75	3.52	4.12	4.49	4.58	4.46	4.15	3.59	2.86	2.04	1.27	0.60	0.15	42.3	42.2
-40	0.00	0.09	0.39	0.84	1.49	2.14	2.79	3.27	3.59	3.68	3.62	3.41	2.98	2.42	1.74	1.11	0.54	0.14	34.3	34.1
-50	0.00	0.06	0.25	0.56	1.03	1.48	1.98	2.34	2.60	2.69	2.68	2.59	2.31	1.92	1.43	0.94	0.48	0.14	25.5	25.2
-60	0.00	0.03	0.13	0.32	0.59	0.89	1.20	1.44	1.61	1.69	1.75	1.75	1.63	1.41	1.10	0.76	0.43	0.13	16.9	16.4
-70	0.00	0.01	0.05	0.14	0.26	0.42	0.58	0.72	0.81	0.88	0.95	1.02	1.04	0.98	0.83	0.62	0.37	0.12	9.81	8.22
-80	0.00	0.01	0.05	0.14	0.26	0.42	0.58	0.72	0.81	0.88	0.95	1.02	1.04	0.98	0.83	0.62	0.37	0.12	9.81	8.22
-90	0.00	0.01	0.05	0.14	0.26	0.42	0.58	0.72	0.81	0.88	0.95	1.02	1.04	0.98	0.83	0.62	0.37	0.12	9.81	8.22
HORIZONTAL (DEG)																				
φ t	0.14	2.39	8.73	18.9	31.4	44.6	56.9	66.5	72.2	73.9	72.5	67.6	58.9	47.3	34.2	21.3	10.4	2.70	690	---
φ a	0.00	1.50	7.99	18.1	30.7	44.0	56.3	66.0	71.8	73.6	72.4	67.6	58.9	47.3	34.2	21.3	10.4	2.70	---	685

one-half-peak spread: U:58.4,D:56.6 , L:55.6,R:62.2

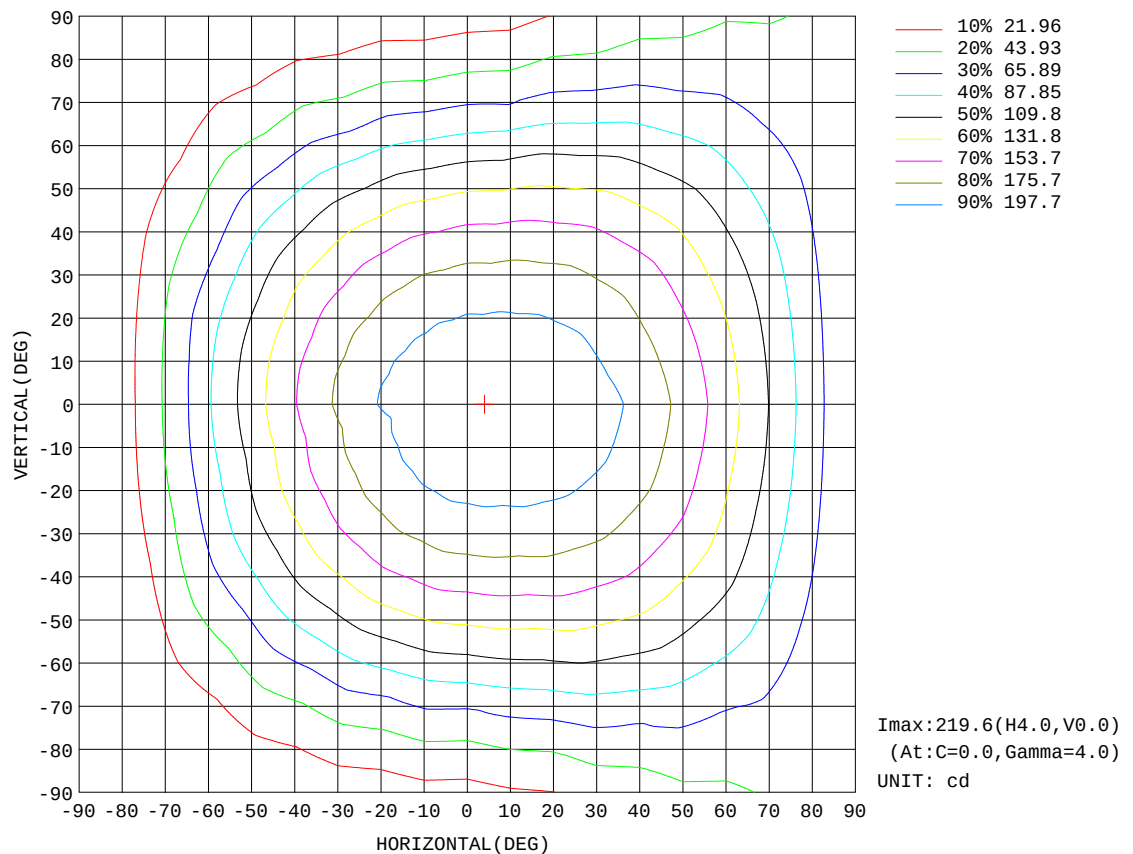
NEMA Beam Type: Type 7

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yt
Test Date: 2020-01-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R3000(2M2D) SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 1.593m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 180弧面LED感应太阳能灯	TYPE: 6925604345	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: A2020011505
MFR.: UTEC	SUR.:	Shielding Angle:

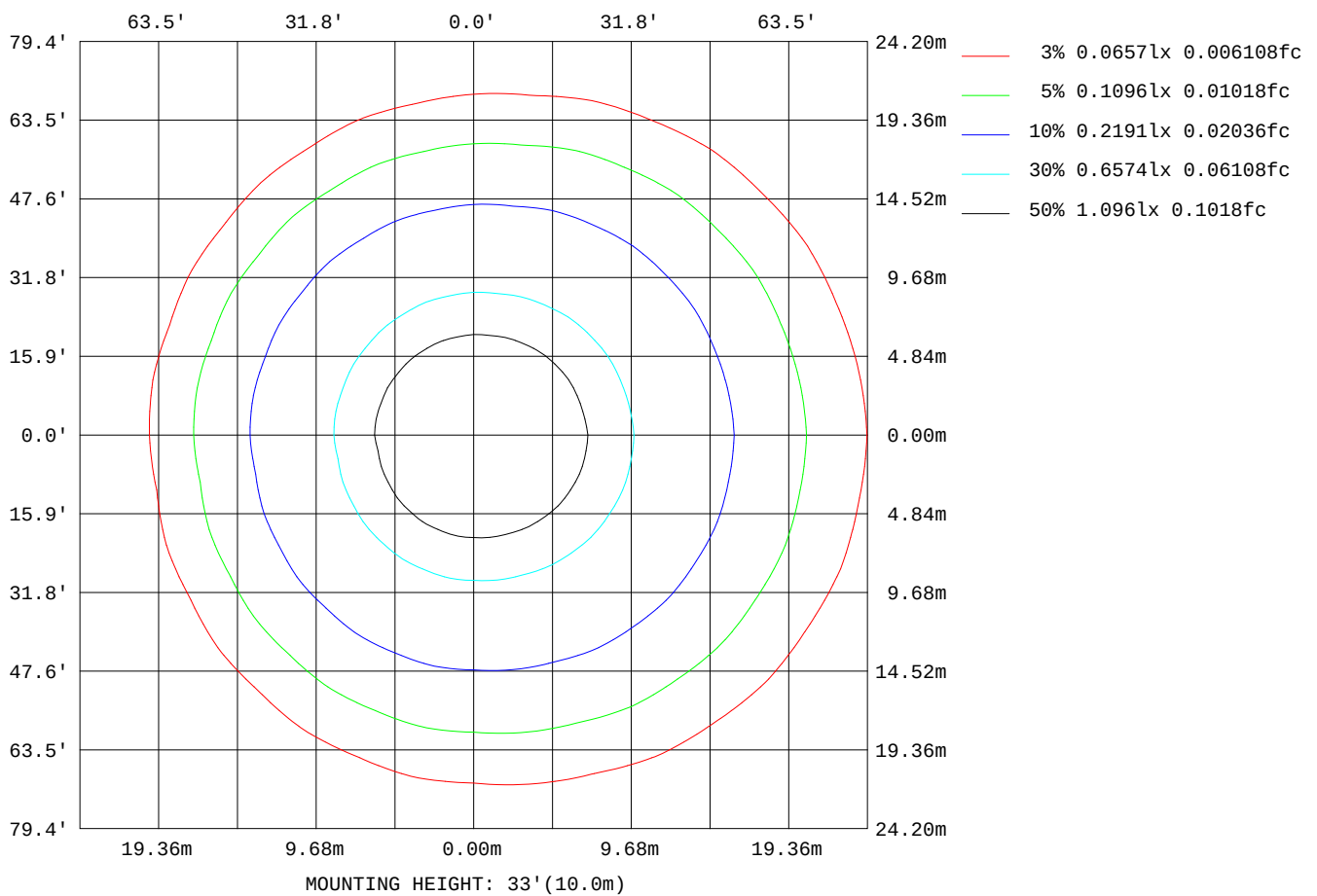


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yt
Test Date: 2020-01-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R3000(2M2D) SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 1.593m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

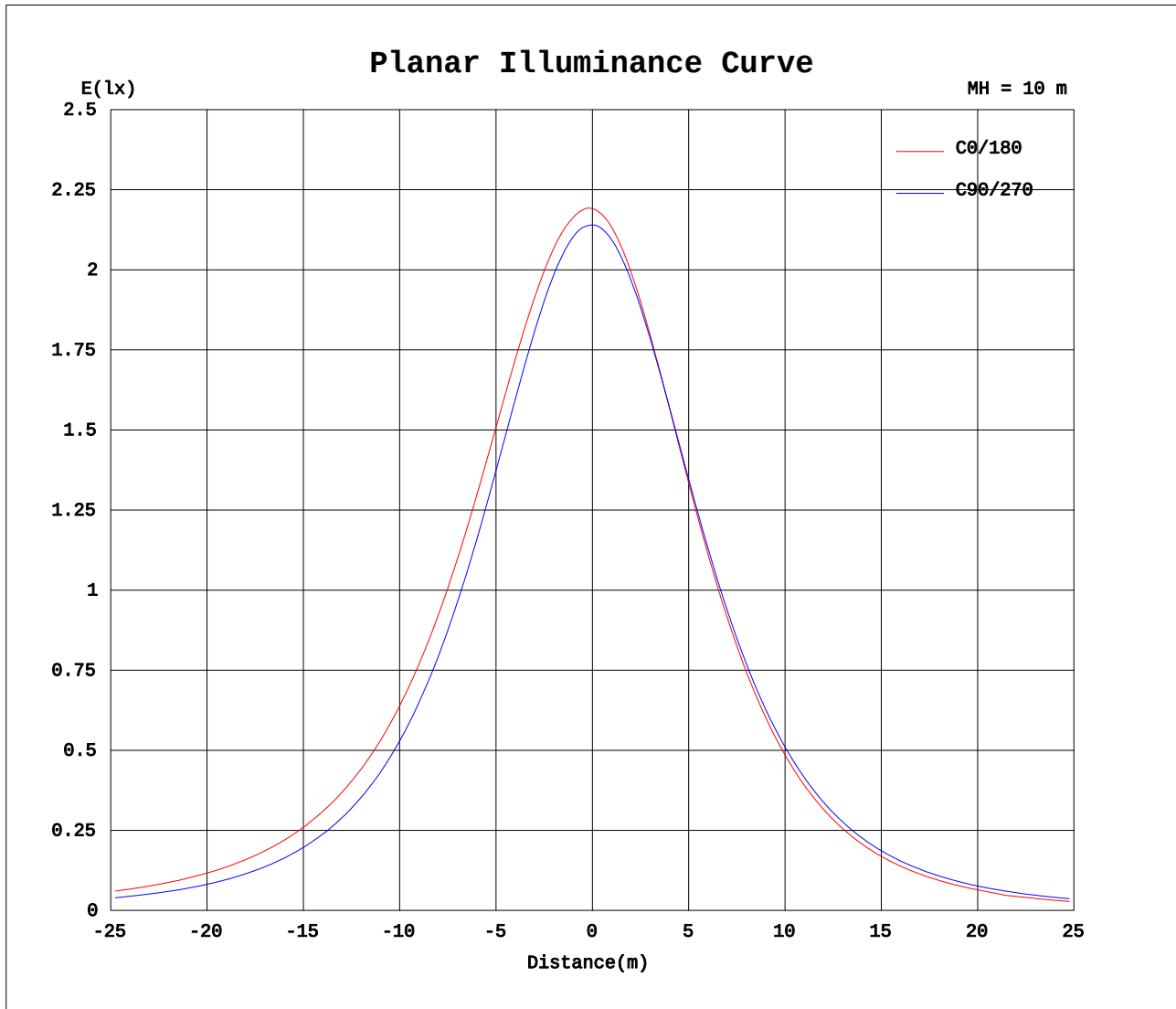
NAME: 180弧面LED感应太阳能灯	TYPE: 6925604345	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: A2020011505
MFR.: UTEC	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yt
Test Date: 2020-01-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R3000(2M2D) SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 1.593m [K=1.0000]
Remarks:

Planar Illuminance Curve

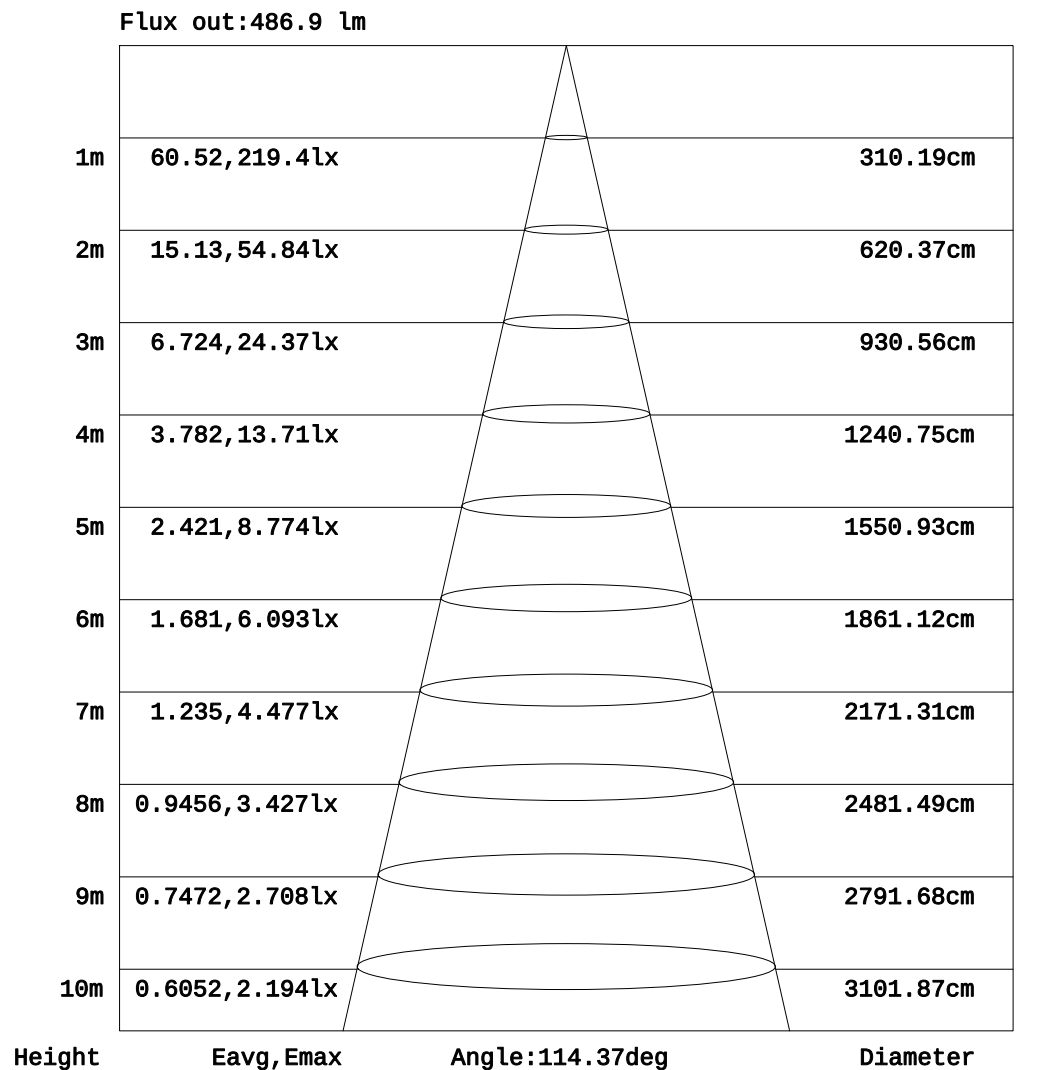


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yt
Test Date: 2020-01-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R3000(2M2D) SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 1.593m [K=1.0000]
Remarks:

AAI Figure

NAME: 180弧面LED感应太阳能灯	TYPE: 6925604345	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: A2020011505
MFR.: UTEC	SUR.:	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: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yt
Test Date: 2020-01-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R3000(2M2D) SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 1.593m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 180弧面LED感应太阳能灯	TYPE: 6925604345	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: A2020011505
MFR.: UTEC	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
V(DEC)	-180	-170	-160	-150	-140	-130	-120	-110	-100	-90	-80	-70	-60	-50	-40	-30	-20	-10	0
0.42	0.19	0.05	0.05	0.06	0.05	0.07	0.06	0.06	0.06	0.06	0.07	0.08	0.07	0.08	0.07	0.07	0.06	0.07	0.05
0.42	0.19	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.08	0.09	0.09	0.09	0.09	0.10	0.11	0.12
0.42	0.19	0.06	0.05	0.06	0.06	0.05	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.10	0.10	0.10	0.11	0.12
0.42	0.21	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.09	0.10	0.09	0.09
0.42	0.22	0.07	0.05	0.05	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08
0.42	0.25	0.11	0.06	0.05	0.06	0.05	0.06	0.05	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.07	0.07	0.07
0.42	0.28	0.17	0.09	0.06	0.06	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.05
0.42	0.32	0.23	0.19	0.15	0.11	0.07	0.10	0.09	0.10	0.08	0.13	0.16	0.16	0.16	0.22	0.29	0.26	0.24	
0.42	0.36	0.30	0.35	0.33	0.38	0.37	0.82	1.12	1.24	1.34	1.98	2.61	2.65	2.71	3.37	4.07	3.91	3.78	
0.42	0.41	0.40	0.84	1.28	1.87	2.45	4.27	6.08	6.80	7.52	9.74	11.9	12.4	12.8	14.7	16.6	16.4	16.1	
0.42	0.45	0.51	1.99	4.34	6.26	8.19	12.2	16.6	18.9	20.9	25.1	29.5	31.1	32.3	35.6	38.8	38.8	38.4	
0.42	0.50	1.01	4.37	9.55	14.1	18.2	24.4	31.8	37.1	41.0	46.7	54.3	56.9	59.3	63.3	67.6	69.1	70.0	
0.42	0.59	2.29	8.17	16.4	24.6	31.6	39.4	49.6	58.7	64.9	72.8	80.6	87.0	91.4	95.9	100	102	103	
0.42	0.72	4.47	12.5	23.7	36.1	46.3	55.9	67.1	80.0	89.8	98.3	107	115	121	126	131	134	135	
0.42	0.87	6.94	16.8	30.4	45.3	59.7	72.8	85.2	98.0	111	122	130	139	148	153	158	162	163	
0.42	1.16	9.32	21.4	35.7	52.3	69.4	85.7	100	114	126	139	151	159	168	175	180	184	186	
0.42	1.41	11.3	25.2	41.2	57.9	76.5	93.7	110	126	140	152	163	174	183	190	196	200	202	
0.42	1.53	12.5	27.7	45.0	62.5	82.4	99.6	116	131	146	160	172	183	192	199	205	209	211	
0.42	1.51	13.0	28.7	46.6	63.2	85.6	104	121	137	152	166	179	190	199	207	213	217	219	
0.42	1.72	13.1	28.8	46.2	64.3	84.1	102	119	135	149	162	174	184	193	200	205	208	210	
0.42	1.78	12.4	27.3	44.3	61.5	78.7	95.0	111	125	139	152	164	173	181	188	193	196	199	
0.42	1.65	10.9	24.4	39.7	53.9	68.5	83.9	98.8	113	126	137	147	157	164	170	176	178	181	
0.42	1.44	8.80	20.3	31.8	43.6	55.8	71.0	84.5	96.4	107	117	127	135	141	148	152	155	158	
0.42	1.26	6.49	14.8	23.1	32.1	44.0	56.2	66.4	75.9	85.2	94.8	103	109	115	121	124	127	130	
0.42	1.04	4.22	9.41	14.8	21.8	31.3	40.0	46.2	52.7	61.4	69.0	74.6	79.8	85.5	89.5	91.9	94.8	97.3	
0.42	0.80	2.44	5.07	8.00	13.0	19.2	23.9	27.7	33.2	39.7	43.8	46.3	51.1	55.8	57.6	58.5	61.4	64.2	
0.42	0.61	1.14	2.20	3.44	6.34	9.68	11.7	13.5	17.1	21.0	22.7	24.0	27.2	30.6	31.2	31.4	33.7	36.0	
0.42	0.47	0.53	0.78	1.02	2.26	3.51	4.06	4.62	6.38	8.13	8.60	9.06	10.8	12.5	12.4	12.3	13.7	15.1	
0.42	0.40	0.38	0.36	0.30	0.58	0.71	0.78	0.81	1.27	1.68	1.71	1.74	2.27	2.82	2.71	2.60	3.10	3.65	
0.42	0.36	0.30	0.22	0.15	0.14	0.13	0.11	0.09	0.11	0.13	0.12	0.11	0.15	0.18	0.16	0.15	0.19	0.23	
0.42	0.32	0.23	0.14	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	
0.42	0.28	0.16	0.08	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	
0.42	0.25	0.12	0.05	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.07	
0.42	0.23	0.09	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	
0.42	0.21	0.07	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.08	0.06	0.07	
0.42	0.19	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	
0.42	0.19	0.05	0.05	0.06	0.05	0.07	0.06	0.06	0.06	0.07	0.08	0.07	0.08	0.07	0.07	0.06	0.07	0.05	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yt
Test Date: 2020-01-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R3000(2M2D) SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 1.593m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 180弧面LED感应太阳能灯	TYPE: 6925604345	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: A2020011505
MFR.: UTEC	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	0.08	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.52	4.69	10.4	15.6	21.1	26.6	32.0	36.7	40.5	46.1	
-170	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.07	0.52	3.93	9.71	14.9	20.5	26.1	31.5	36.4	40.3	46.1	
-160	0.11	0.11	0.11	0.09	0.09	0.08	0.08	0.27	1.89	5.83	10.5	15.3	20.7	26.3	31.6	36.4	40.3	46.1	
-150	0.10	0.09	0.09	0.08	0.08	0.07	0.08	0.65	3.25	7.80	12.6	17.2	22.1	27.1	32.2	36.7	40.4	46.1	
-140	0.08	0.08	0.08	0.08	0.08	0.07	0.45	2.21	5.25	9.27	14.2	19.7	24.2	28.6	33.1	37.2	40.5	46.1	
-130	0.07	0.07	0.07	0.07	0.06	0.09	1.35	4.47	8.10	12.0	16.5	21.7	26.8	30.6	34.4	37.8	40.8	46.1	
-120	0.06	0.06	0.06	0.06	0.06	1.19	3.43	7.23	11.8	15.7	19.8	24.3	29.0	32.8	35.9	38.6	41.4	46.1	
-110	0.33	0.42	0.37	0.60	2.04	4.33	7.65	11.5	16.2	20.5	24.0	27.6	31.7	35.4	37.8	39.7	42.2	46.1	
-100	4.53	5.34	5.41	5.81	9.68	13.6	16.5	19.5	23.8	28.1	30.5	32.8	36.1	39.4	40.6	41.5	43.5	46.1	
-90	18.1	20.1	20.9	21.7	25.9	30.2	31.7	33.2	36.7	40.2	40.7	41.1	43.3	45.4	44.8	44.1	45.1	46.1	
-80	41.4	44.1	44.9	45.7	50.2	53.4	52.6	53.0	54.7	56.4	54.8	53.0	53.6	52.9	50.1	47.7	47.0	46.1	
-70	72.1	74.0	75.3	76.5	78.7	79.8	79.1	78.3	77.7	75.9	72.5	68.3	65.6	62.6	57.0	52.0	48.9	46.1	
-60	106	107	107	108	110	109	106	104	101	96.4	90.7	85.2	79.6	72.6	64.4	56.5	51.4	46.1	
-50	137	138	138	139	138	135	132	129	123	116	108	101	92.5	82.1	71.6	61.3	53.8	46.1	
-40	165	165	165	165	162	159	155	150	142	133	125	115	103	90.6	77.8	65.7	55.0	46.1	
-30	187	186	187	185	182	179	173	166	158	149	138	126	112	97.5	83.4	69.5	56.5	46.1	
-20	203	203	202	201	198	193	187	179	170	159	147	133	118	103	87.8	72.4	57.8	46.1	
-10	212	213	212	211	208	202	196	187	177	165	153	139	123	107	90.8	74.3	58.7	46.1	
0	220	220	218	216	212	207	200	191	181	169	156	141	126	109	92.3	75.1	59.2	46.1	
10	210	210	209	207	204	199	192	184	175	164	152	138	123	107	90.8	74.3	58.8	46.1	
20	199	199	199	197	194	190	183	175	166	156	144	132	118	103	87.9	72.5	58.1	46.1	
30	181	183	182	181	179	174	169	163	155	145	134	122	110	97.3	83.6	69.8	57.0	46.1	
40	158	160	160	159	158	155	150	145	139	131	121	111	100	89.3	78.1	66.3	55.6	46.1	
50	130	131	134	133	132	131	128	123	118	113	106	97.7	88.5	80.0	71.3	62.3	53.9	46.1	
60	98.5	99.7	103	104	103	103	103	99.9	96.1	92.6	88.6	82.9	76.2	69.8	63.8	57.9	51.7	46.1	
70	64.1	64.6	69.6	72.8	73.7	74.3	75.3	75.4	73.4	71.4	69.9	67.6	63.3	59.0	56.3	52.8	49.5	46.1	
80	36.6	37.2	41.6	45.5	46.4	47.3	50.7	53.1	51.9	51.8	53.1	54.0	51.8	49.8	49.1	49.0	47.7	46.1	
90	15.5	15.8	19.3	22.8	24.9	26.9	30.9	34.9	36.1	37.4	40.0	42.7	42.8	42.8	44.1	45.3	45.7	46.1	
100	3.50	3.46	5.33	7.42	10.2	13.2	17.6	22.0	24.7	27.5	31.2	34.7	36.4	38.1	40.2	42.4	44.0	46.1	
110	0.20	0.18	0.23	0.68	2.60	5.48	9.87	14.1	17.6	21.5	25.8	29.6	32.4	35.1	37.9	40.5	42.6	46.1	
120	0.06	0.06	0.06	0.07	0.22	2.24	5.55	9.02	12.8	17.3	22.2	26.0	29.4	33.0	36.5	39.3	41.7	46.1	
130	0.06	0.06	0.07	0.06	0.10	0.62	2.37	5.28	9.19	14.0	18.5	22.5	26.7	31.1	35.3	38.5	41.1	46.1	
140	0.07	0.07	0.07	0.05	0.06	0.06	0.54	2.76	6.70	11.0	15.1	19.5	24.5	29.5	34.2	37.8	40.8	46.1	
150	0.07	0.06	0.06	0.07	0.07	0.06	0.14	1.22	3.80	8.04	12.4	17.6	23.0	28.4	33.1	37.2	40.6	46.1	
160	0.07	0.06	0.07	0.07	0.07	0.06	0.06	0.15	1.50	5.98	11.3	16.6	22.1	27.3	32.3	36.8	40.4	46.1	
170	0.06	0.07	0.07	0.07	0.06	0.07	0.07	0.06	0.86	5.24	10.7	15.7	21.1	26.6	31.9	36.6	40.4	46.1	
180	0.08	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.52	4.69	10.4	15.6	21.1	26.6	32.0	36.7	40.5	46.1	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yt
Test Date: 2020-01-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System: EVERFINE G0-R3000(2M2D) SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 1.593m [K=1.0000]
Remarks: