

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

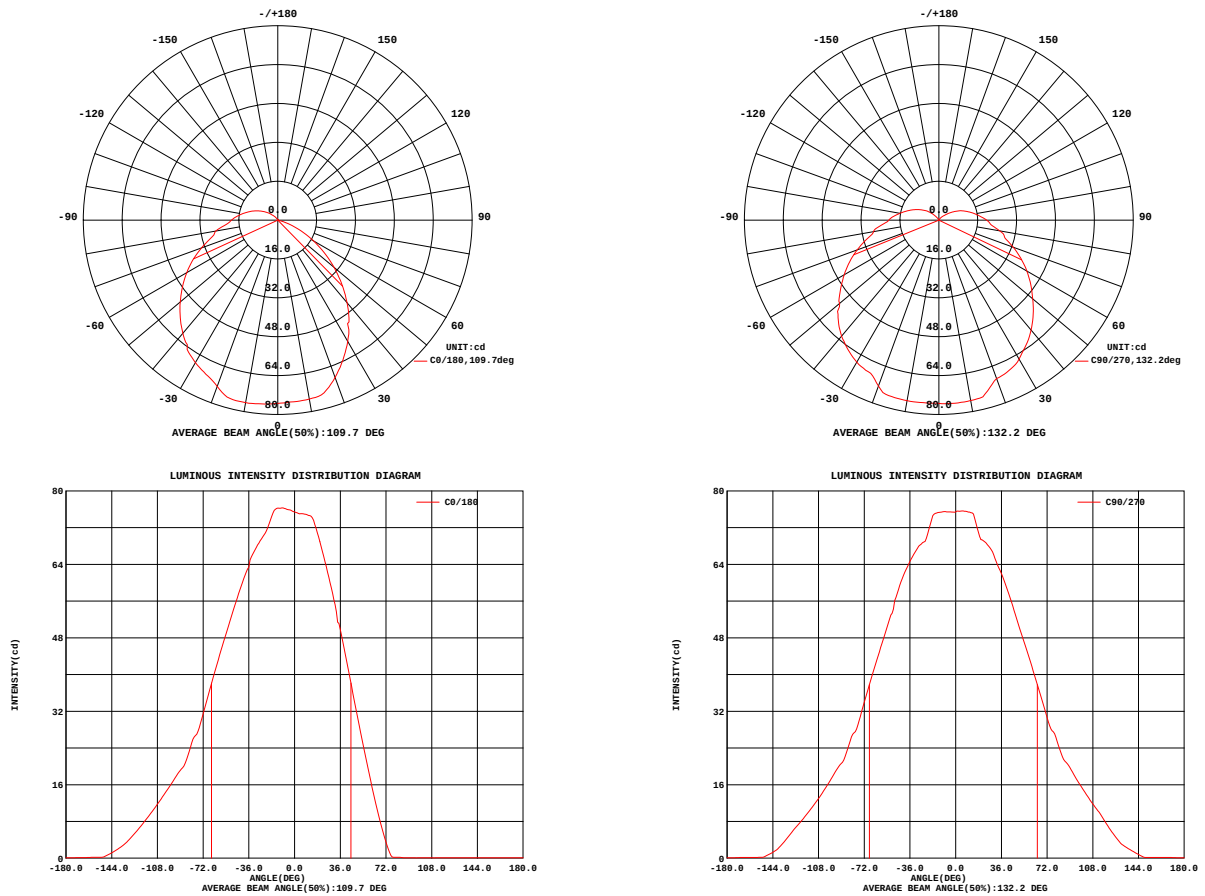


Fig. C0/C180

Fig. C90/C270

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YT
Test Date:2019-06-15

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-R3000(2M2D) SYSTEM V2.0.275
Humidity:65.0%
Test Distance:1.604m [K=1.0000]
Remarks:

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

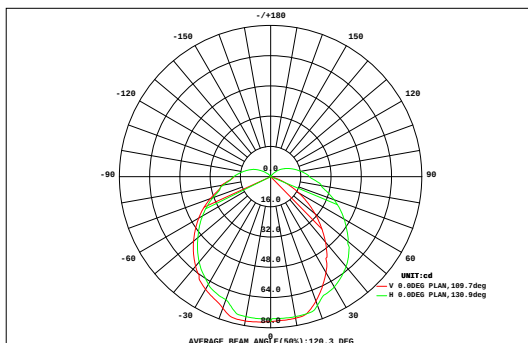
Maximum Intensity (Luminaire orientation as tested.)		265.3 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	241.3V x 157.8H 131.3V x 109.7H 45.8V x 48.2H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	1000.0 lumens per klm. 969.4 lumens per klm. 632.1 lumens per klm. 156.0 lumens per klm.
	Upward LOR Downward LOR	13.2 % 86.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YT
Test Date:2019-06-15

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-R3000(2M2D) SYSTEM V2.0.275
Humidity:65.0%
Test Distance:1.604m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 165正方LED感应太阳能灯	TYPE: 6934601118	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 2019061503
MFR.: UTEC	SUR.:	PROTECTION ANGLE:



DATA OF LAMP		Eff: 41.92lm/W	
MODEL	Lextar2835 3000K	Imax(cd)	77.56
NOMINAL POWER(W)	7	AVAILABILITY(%)	96.8
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	283.1
NOMINAL FLUX(lm)	292.336	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	292.3
TEST VOLTAGE(V)	230.4	θ @50%(H,V)	110, 131DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT: lm		Φ t	Φ a
	0.05	0.17	0.29	0.42	0.54	0.63	0.69	0.72	0.72	0.71	0.65	0.51	0.36	0.22	0.11	0.03	0.00	0.00	6.85	6.71
90	0.05	0.17	0.29	0.42	0.54	0.63	0.69	0.72	0.72	0.71	0.65	0.51	0.36	0.22	0.11	0.03	0.00	0.00	6.85	6.71
80	0.05	0.18	0.33	0.49	0.64	0.77	0.86	0.92	0.94	0.92	0.83	0.64	0.44	0.25	0.11	0.03	0.00	0.00	8.42	8.31
70	0.06	0.20	0.36	0.56	0.75	0.94	1.08	1.19	1.22	1.20	1.08	0.83	0.57	0.31	0.13	0.03	0.00	0.00	10.5	10.4
60	0.06	0.21	0.39	0.63	0.87	1.12	1.30	1.45	1.49	1.47	1.34	1.05	0.73	0.40	0.17	0.03	0.00	0.00	12.7	12.7
50	0.06	0.22	0.42	0.70	1.00	1.29	1.52	1.71	1.75	1.74	1.60	1.28	0.89	0.52	0.23	0.05	0.00	0.00	15.0	14.9
40	0.06	0.23	0.46	0.76	1.11	1.43	1.70	1.90	1.97	1.95	1.80	1.45	1.02	0.62	0.28	0.08	0.01	0.00	16.8	16.8
30	0.06	0.23	0.50	0.81	1.17	1.53	1.80	2.04	2.11	2.09	1.94	1.56	1.14	0.69	0.33	0.11	0.01	0.00	18.1	18.1
20	0.06	0.24	0.51	0.86	1.23	1.61	1.93	2.20	2.28	2.26	2.11	1.69	1.21	0.76	0.39	0.13	0.01	0.00	19.5	19.5
10	0.06	0.24	0.51	0.86	1.26	1.64	1.96	2.24	2.31	2.27	2.14	1.74	1.27	0.81	0.42	0.14	0.02	0.00	19.9	19.9
0	0.06	0.23	0.50	0.84	1.23	1.61	1.94	2.22	2.30	2.28	2.16	1.76	1.28	0.80	0.41	0.14	0.02	0.00	19.8	19.7
-10	0.06	0.23	0.49	0.82	1.20	1.58	1.89	2.15	2.24	2.21	2.08	1.69	1.24	0.77	0.38	0.12	0.01	0.00	19.1	19.1
-20	0.06	0.22	0.47	0.79	1.14	1.47	1.76	1.99	2.08	2.05	1.93	1.59	1.15	0.72	0.36	0.11	0.01	0.00	17.9	17.8
-30	0.06	0.21	0.44	0.74	1.05	1.38	1.64	1.84	1.93	1.90	1.78	1.46	1.07	0.65	0.32	0.09	0.00	0.00	16.6	16.5
-40	0.06	0.21	0.41	0.67	0.95	1.23	1.46	1.62	1.69	1.66	1.55	1.29	0.93	0.56	0.26	0.08	0.01	0.00	14.6	14.6
-50	0.06	0.20	0.37	0.59	0.84	1.05	1.25	1.37	1.43	1.40	1.30	1.08	0.76	0.47	0.21	0.07	0.01	0.00	12.5	12.4
-60	0.05	0.18	0.35	0.52	0.72	0.88	1.03	1.12	1.16	1.13	1.05	0.87	0.61	0.38	0.18	0.06	0.01	0.00	10.3	10.2
-70	0.05	0.17	0.31	0.46	0.61	0.74	0.83	0.88	0.89	0.87	0.81	0.68	0.50	0.32	0.17	0.07	0.01	0.00	8.37	8.27
-80	0.05	0.16	0.28	0.40	0.51	0.60	0.66	0.69	0.69	0.67	0.63	0.54	0.41	0.27	0.15	0.06	0.01	0.00	6.80	6.69
-90	0.05	0.16	0.28	0.40	0.51	0.60	0.66	0.69	0.69	0.67	0.63	0.54	0.41	0.27	0.15	0.06	0.01	0.00	6.80	6.69
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	1.04	3.72	7.40	11.9	16.8	21.5	25.3	28.2	29.2	28.8	26.8	21.7	15.6	9.54	4.62	1.43	0.15	0.01	254	---
Φ a	1.04	3.72	7.40	11.9	16.8	21.5	25.3	28.2	29.2	28.8	26.8	21.7	15.6	9.54	4.29	0.75	0.00	0.00	---	253

one-half-peak spread: U:56.9,D:66.7 , L:52.7,R:39.7

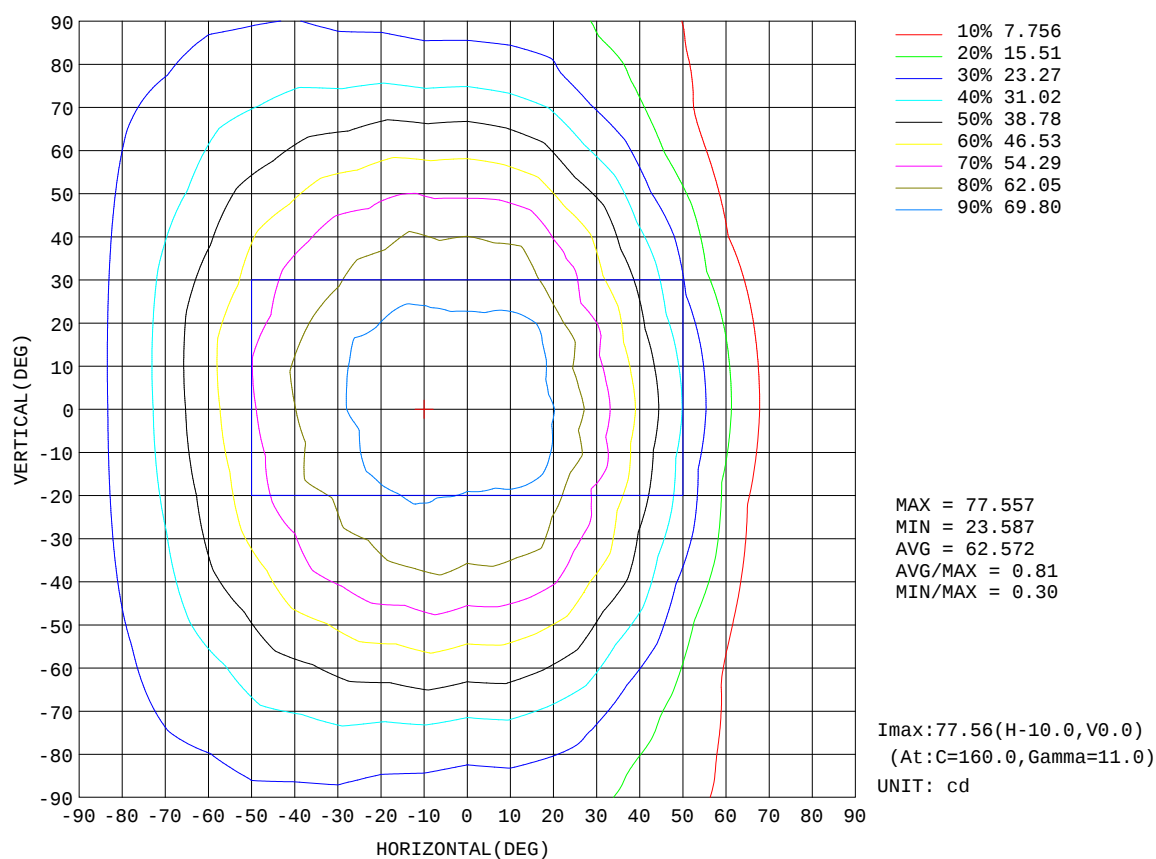
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YT
Test Date:2019-06-15

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE G0-R3000(2M2D) SYSTEM V2.0.275
Humidity:65.0%
Test Distance:1.604m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 165正方LED感应太阳能灯	TYPE: 6934601118	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 2019061503
MFR.: UTEC	SUR.:	PROTECTION ANGLE:

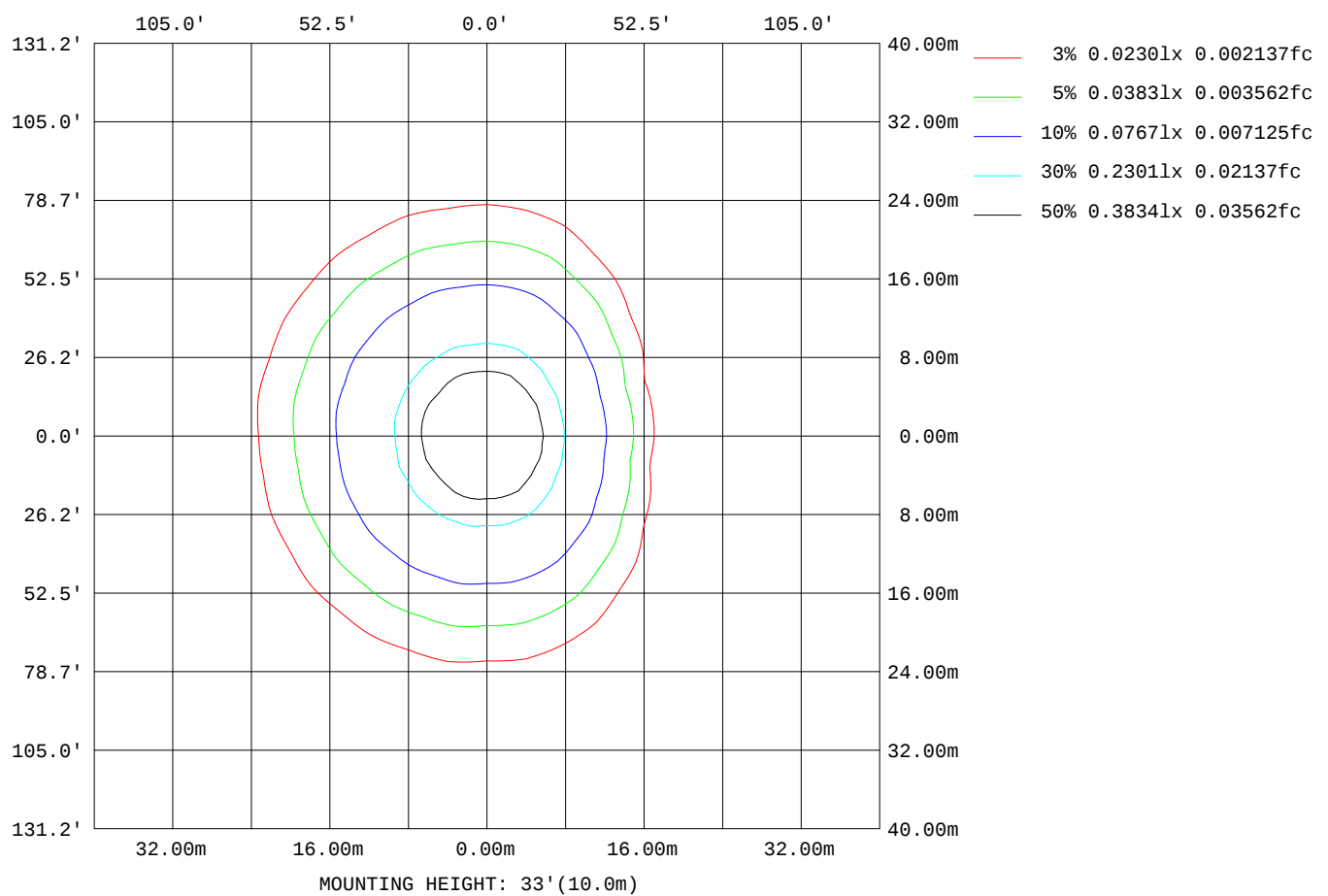


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Test Speed: HIGH
Temperature: 25.3DEG
Operators: YT
Test Date: 2019-06-15

V(B) Range: -180 - 180DEG
V(B) Interval: 0.5DEG
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Humidity: 65.0%
Test Distance: 1.604m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

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DIM.:	SPEC.:	SERIAL No.: 2019061503
MFR.: UTEC	SUR.:	PROTECTION ANGLE:

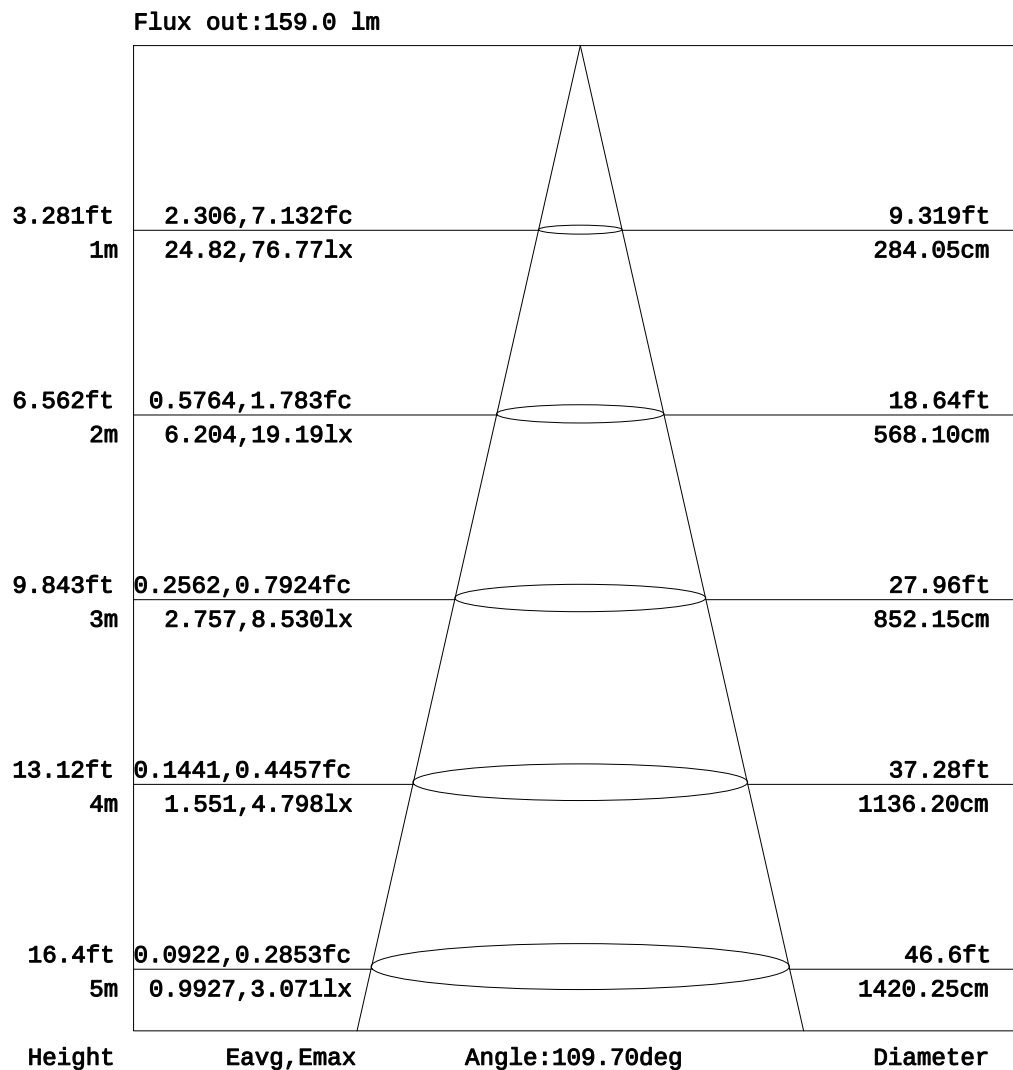


H(β) Range: -90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
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Test Date: 2019-06-15

V(B) Range: -180 - 180DEG
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Test Distance: 1.604m [K=1.0000]
Remarks:

AAI Figure

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MFR.: UTEC	SUR.:	PROTECTION ANGLE:

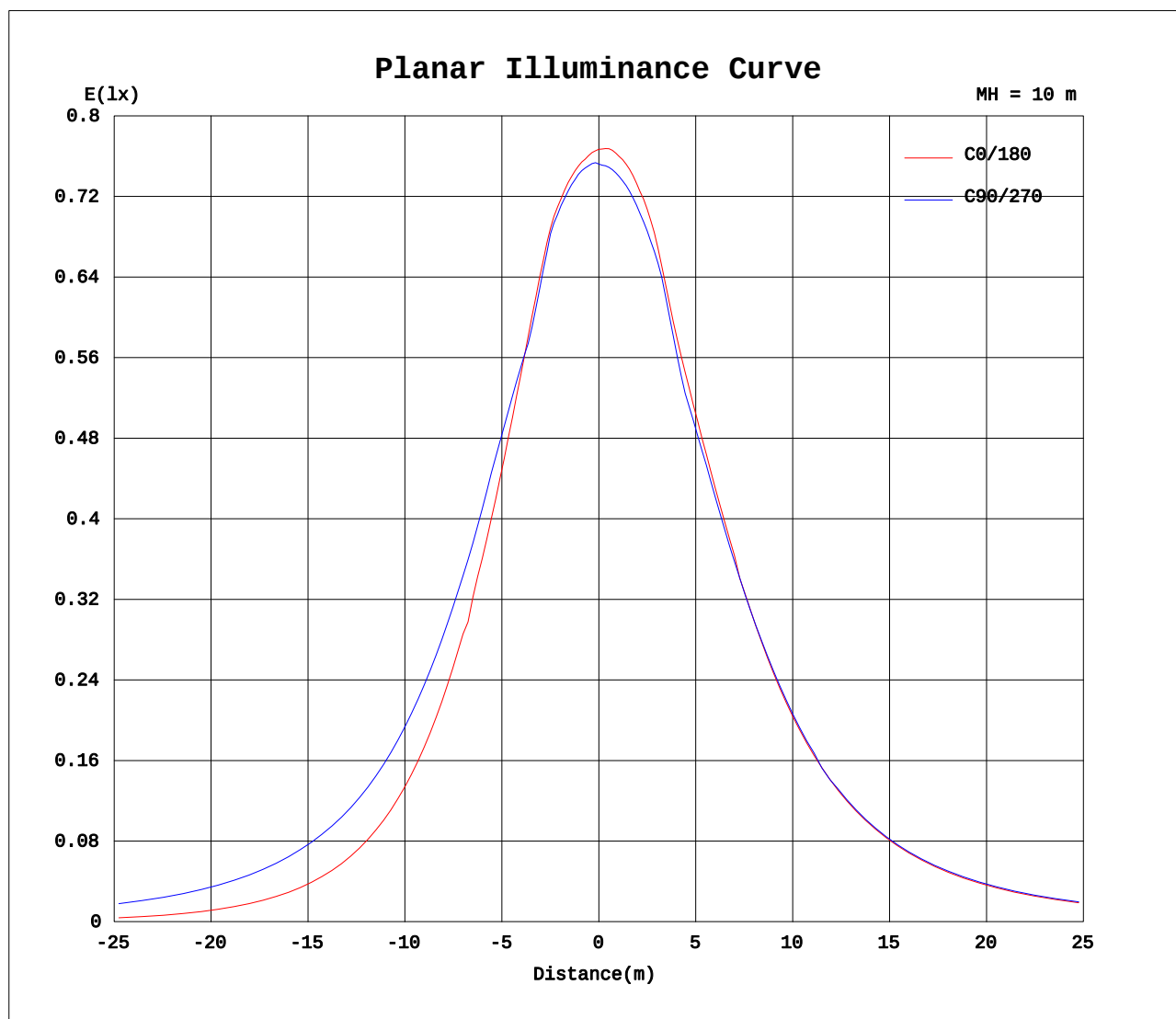


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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V(B) Interval: 0.5DEG
Test System: EVERFINE G0-R3000(2M2D) SYSTEM V2.0.275
Humidity: 65.0%
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Remarks:

Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:	SPEC.:	SERIAL No.: 2019061503
MFR.: UTEC	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	19.4	17.3	15.2	13.1	11.2	9.23	7.45	5.77	4.17	2.84	1.86	1.02	0.31	0.19	0.18	0.14	0.13	0.09	0.08
-170	19.4	17.4	15.2	13.1	11.2	9.25	7.47	5.81	4.26	2.93	1.97	1.17	0.53	0.24	0.21	0.19	0.19	0.17	0.15
-160	19.4	17.4	15.3	13.3	11.4	9.55	7.87	6.31	4.84	3.50	2.37	1.41	0.63	0.29	0.26	0.23	0.22	0.18	0.16
-150	19.4	17.6	15.6	13.7	11.9	10.3	8.73	7.26	5.57	3.92	2.65	1.72	1.00	0.42	0.30	0.25	0.22	0.20	0.16
-140	19.4	17.8	16.0	14.3	12.8	11.4	9.93	8.29	6.61	5.26	4.20	3.19	2.26	1.73	1.56	1.39	1.45	1.53	1.43
-130	19.4	18.1	16.5	15.1	14.0	12.8	11.4	9.92	8.76	7.86	6.80	5.61	4.84	4.38	3.72	3.22	3.44	3.39	3.21
-120	19.4	18.4	17.1	16.2	15.4	14.5	13.3	12.3	11.7	11.0	9.89	9.01	8.64	8.16	7.35	7.08	7.36	7.20	6.94
-110	19.4	18.7	17.8	17.4	17.0	16.3	15.6	15.2	15.0	14.4	13.5	13.1	13.0	12.4	11.7	11.6	11.7	11.4	11.1
-100	19.4	19.0	18.5	18.6	18.7	18.5	18.2	18.5	18.7	18.2	17.7	17.6	17.6	16.9	16.2	16.0	16.0	15.5	15.1
-90	19.4	19.3	19.2	19.7	20.2	20.6	21.0	21.7	22.4	22.3	22.1	22.3	22.4	21.8	21.3	21.0	20.8	20.2	19.7
-80	19.4	19.6	19.8	20.6	21.7	22.5	23.1	24.5	25.9	26.1	26.3	26.9	27.5	27.1	26.6	26.8	26.9	26.2	25.3
-70	19.4	19.9	20.5	22.2	24.3	25.8	27.0	28.3	29.8	30.8	31.3	32.2	33.2	33.4	33.1	33.5	34.1	33.4	32.5
-60	19.4	20.2	21.6	24.1	26.6	27.7	29.4	31.4	34.0	36.3	37.5	38.6	40.3	41.5	41.7	42.3	43.3	42.8	41.7
-50	19.4	20.5	22.8	25.8	27.5	30.4	33.2	35.7	38.6	41.7	44.1	45.6	47.5	49.5	50.2	50.5	51.7	51.6	50.3
-40	19.4	20.9	24.0	26.6	29.0	33.1	37.1	40.2	43.2	46.6	50.2	53.0	54.8	56.7	58.7	59.2	60.2	60.5	58.9
-30	19.4	21.3	25.0	27.1	30.6	35.2	39.7	43.9	47.5	50.8	53.9	57.7	60.7	61.8	63.5	66.0	67.0	66.8	65.9
-20	19.4	21.6	25.7	27.9	32.2	36.8	41.4	45.9	50.3	55.1	58.9	61.1	63.2	65.9	67.9	70.0	70.7	70.0	69.2
-10	19.4	21.7	26.2	28.6	33.4	38.3	43.0	47.5	51.8	55.9	60.2	64.0	67.3	69.7	72.3	75.5	76.1	75.8	75.2
0	19.4	21.8	26.4	28.9	33.9	39.1	44.0	48.7	53.3	57.7	61.9	66.1	68.9	71.2	74.1	77.3	77.6	77.2	76.7
10	19.4	21.9	26.4	29.2	34.3	39.5	44.6	49.4	54.1	58.8	62.6	66.0	68.7	70.9	73.9	76.3	76.4	75.9	75.2
20	19.4	21.9	26.3	29.0	34.0	39.2	43.9	48.0	51.9	55.4	59.6	62.9	65.7	67.5	70.0	72.8	72.7	72.6	72.5
30	19.4	21.7	25.9	28.5	32.9	37.2	41.2	44.8	49.0	53.2	57.1	59.5	61.5	63.8	65.9	68.0	68.1	67.6	67.4
40	19.4	21.5	25.3	27.8	30.8	34.3	37.8	41.9	46.0	49.3	52.0	54.8	57.7	59.0	59.9	62.2	62.3	61.7	62.1
50	19.4	21.1	24.4	27.2	28.7	31.2	34.7	38.2	41.1	43.3	45.8	48.5	50.3	51.1	52.6	53.9	53.9	53.4	53.2
60	19.4	20.8	23.3	25.8	27.5	28.9	31.5	34.0	35.8	37.5	39.6	41.4	42.2	43.1	44.5	45.0	44.6	44.7	44.9
70	19.4	20.5	22.1	23.7	25.2	27.2	28.8	29.9	30.8	32.1	33.5	34.1	34.2	35.0	35.9	35.8	35.3	35.5	35.7
80	19.4	20.2	21.0	21.8	22.6	24.1	25.7	26.3	26.8	27.7	28.5	28.4	28.2	28.4	28.4	28.0	27.7	27.5	27.2
90	19.4	19.9	20.4	20.8	21.2	21.9	22.7	22.9	23.1	23.2	23.4	23.0	22.6	22.3	22.0	21.6	21.1	20.8	20.6
100	19.4	19.6	19.8	19.7	19.6	19.9	20.3	19.9	19.5	19.4	19.5	18.8	18.1	17.8	17.5	17.0	16.4	16.3	16.3
110	19.4	19.3	19.0	18.4	17.7	17.4	17.3	16.7	15.8	15.3	15.1	14.4	13.6	13.2	13.0	12.6	12.1	12.1	12.2
120	19.4	18.9	18.2	17.2	16.1	15.2	14.6	13.8	12.6	11.5	11.0	10.5	9.65	9.09	9.02	8.83	8.49	8.45	8.58
130	19.4	18.5	17.4	16.2	14.7	13.1	12.1	11.1	9.78	8.41	7.39	6.86	6.19	5.43	5.38	5.57	5.16	5.06	5.27
140	19.4	18.2	16.7	15.3	13.6	11.8	9.99	8.68	7.41	5.97	4.55	3.63	3.07	2.46	2.05	2.23	2.01	1.86	2.03
150	19.4	17.9	16.2	14.5	12.8	10.8	8.85	6.91	5.40	4.07	2.78	1.73	0.87	0.67	0.52	0.42	0.49	0.27	0.39
160	19.4	17.7	15.7	13.8	12.0	10.1	8.28	6.37	4.63	3.11	2.03	1.21	0.56	0.27	0.25	0.23	0.20	0.17	0.16
170	19.4	17.5	15.4	13.4	11.4	9.53	7.74	6.06	4.50	3.14	2.04	1.14	0.40	0.25	0.24	0.21	0.19	0.14	0.14
180	19.4	17.3	15.2	13.1	11.2	9.23	7.45	5.77	4.17	2.84	1.86	1.02	0.31	0.19	0.18	0.14	0.13	0.09	0.07

H(β) Range:-90 - 90DEG
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V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE G0-R3000(2M2D) SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:1.604m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 165正方LED感应太阳能灯	TYPE: 6934601118	WEIGHT:
DIM.:	SPEC.:	SERIAL No.: 2019061503
MFR.: UTEC	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

H(°) \ V(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	0.09	0.09	0.09	0.09	0.10	0.08	0.08	0.08	0.07	0.08	0.09	0.09	0.08	0.07	0.08	0.08	0.08	0.09	
-170	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.13	0.13	0.12	0.11	0.10	0.09	0.09	0.08	0.08	0.09	
-160	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.14	0.14	0.15	0.13	0.11	0.10	0.09	0.08	0.09	
-150	0.20	0.17	0.19	0.26	0.21	0.22	0.35	0.22	0.31	0.33	0.22	0.33	0.32	0.15	0.12	0.10	0.09	0.09	
-140	1.56	1.50	1.46	1.57	1.44	1.39	1.47	1.47	1.31	1.14	0.99	0.71	0.65	0.47	0.13	0.11	0.09	0.09	
-130	3.45	3.52	3.31	3.42	3.54	3.32	3.21	3.25	3.03	2.54	2.05	1.63	1.12	0.84	0.37	0.11	0.09	0.09	
-120	7.19	7.34	7.06	6.95	6.96	6.55	5.92	5.52	5.08	4.32	3.42	2.69	1.93	1.28	0.67	0.12	0.10	0.09	
-110	11.2	11.4	11.1	10.8	10.5	9.96	8.98	8.05	7.22	6.25	5.03	3.86	2.83	1.79	0.97	0.12	0.11	0.09	
-100	15.2	15.4	15.0	14.6	14.0	13.3	12.0	10.7	9.51	8.29	6.70	5.09	3.73	2.32	1.25	0.13	0.11	0.09	
-90	19.8	20.0	19.4	18.8	17.8	16.9	15.1	13.4	11.9	10.3	8.29	6.27	4.54	2.81	1.47	0.14	0.11	0.09	
-80	25.7	26.0	24.8	23.6	22.1	20.6	18.1	15.6	13.6	11.5	9.10	6.81	4.85	2.94	1.50	0.14	0.11	0.09	
-70	32.8	32.8	31.3	29.6	27.6	25.1	21.6	18.5	15.7	12.8	9.88	7.22	4.95	2.97	1.39	0.15	0.11	0.09	
-60	41.9	41.6	40.1	38.1	35.6	31.7	27.2	23.4	19.7	15.2	10.8	7.36	4.64	2.75	1.21	0.15	0.11	0.09	
-50	50.5	50.0	48.6	46.4	43.3	38.3	33.6	29.2	24.0	18.2	13.2	8.99	5.01	2.25	0.80	0.20	0.11	0.09	
-40	59.4	58.7	57.1	54.9	50.1	45.2	40.6	34.7	28.0	21.8	16.6	11.3	6.23	2.05	0.30	0.23	0.12	0.09	
-30	65.7	64.9	64.2	60.2	55.6	51.1	45.0	38.0	31.9	25.8	19.5	13.2	7.30	2.25	0.30	0.23	0.12	0.09	
-20	68.9	68.8	67.6	63.8	59.1	52.7	47.8	41.4	34.9	28.0	20.9	14.1	8.21	3.64	0.51	0.22	0.13	0.09	
-10	74.8	74.7	73.5	69.2	64.0	57.8	50.6	43.4	36.0	29.1	22.3	15.9	10.00	4.83	0.92	0.21	0.13	0.09	
0	76.3	76.0	74.8	70.1	64.6	58.6	52.0	45.1	37.9	30.8	23.8	17.1	10.9	5.46	1.17	0.20	0.13	0.09	
10	75.0	74.7	72.9	67.9	61.4	55.9	50.0	43.4	36.6	29.7	23.0	16.6	10.5	5.18	1.05	0.20	0.13	0.09	
20	72.4	72.3	70.4	64.9	59.4	54.4	47.7	40.3	33.4	26.9	20.6	14.8	9.17	4.31	0.67	0.20	0.12	0.09	
30	67.2	67.2	63.4	59.7	55.0	48.7	43.1	37.1	30.6	23.6	16.9	11.8	7.06	2.97	0.28	0.19	0.11	0.09	
40	61.4	60.8	58.6	54.0	50.0	45.0	38.4	32.3	26.7	20.8	14.4	8.36	4.48	1.44	0.22	0.19	0.10	0.09	
50	53.1	52.3	50.6	46.6	42.1	38.0	32.8	26.6	21.2	16.4	11.3	6.25	1.89	0.57	0.30	0.19	0.10	0.09	
60	44.2	43.2	41.5	38.4	33.9	29.9	26.1	21.1	16.0	12.0	8.10	4.37	1.64	0.65	0.37	0.15	0.09	0.09	
70	35.0	34.0	32.3	30.1	26.3	22.8	19.8	16.4	12.5	9.17	6.43	4.11	2.18	0.70	0.38	0.11	0.09	0.09	
80	27.0	26.6	25.1	23.5	21.0	18.4	16.1	13.8	11.1	8.47	6.25	4.13	2.32	0.66	0.38	0.10	0.09	0.09	
90	20.5	20.5	19.5	18.4	16.7	15.0	13.4	11.7	9.69	7.65	5.79	3.92	2.28	0.64	0.37	0.10	0.09	0.09	
100	16.1	15.8	15.3	14.7	13.3	11.9	10.7	9.44	7.75	6.06	4.62	3.15	1.85	0.53	0.33	0.11	0.10	0.09	
110	11.9	11.6	11.3	10.9	9.82	8.82	7.94	6.94	5.66	4.44	3.35	2.28	1.29	0.42	0.26	0.10	0.09	0.09	
120	8.23	8.00	7.91	7.49	6.72	6.08	5.48	4.64	3.69	2.93	2.14	1.47	0.73	0.31	0.21	0.09	0.09	0.09	
130	4.86	4.69	4.77	4.27	3.79	3.51	3.12	2.57	2.06	1.60	1.15	0.76	0.25	0.22	0.15	0.10	0.09	0.09	
140	1.74	1.71	1.69	1.42	1.38	1.31	1.11	0.94	0.76	0.62	0.49	0.18	0.16	0.15	0.10	0.09	0.09	0.09	
150	0.23	0.28	0.24	0.23	0.23	0.21	0.17	0.18	0.16	0.21	0.14	0.12	0.11	0.10	0.09	0.09	0.08	0.09	
160	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.14	0.12	0.11	0.11	0.10	0.09	0.09	0.09	0.08	0.09	
170	0.13	0.14	0.13	0.13	0.12	0.12	0.11	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.09	
180	0.09	0.09	0.09	0.09	0.10	0.08	0.08	0.08	0.07	0.08	0.09	0.09	0.08	0.07	0.08	0.08	0.08	0.09	

H(β) Range: -90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YT
 Test Date: 2019-06-15

V(B) Range: -180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System: EVERFINE G0-R3000(2M2D) SYSTEM V2.0.275
 Humidity: 65.0%
 Test Distance: 1.604m [K=1.0000]
 Remarks: