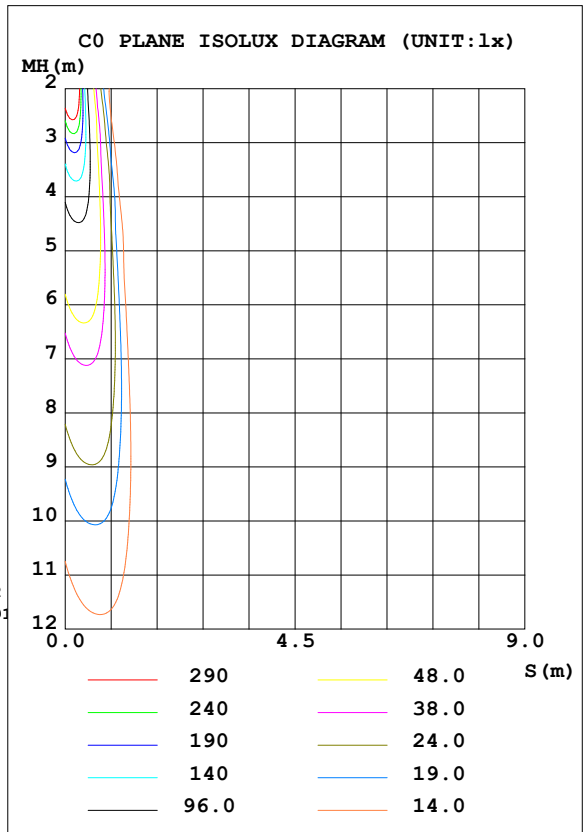
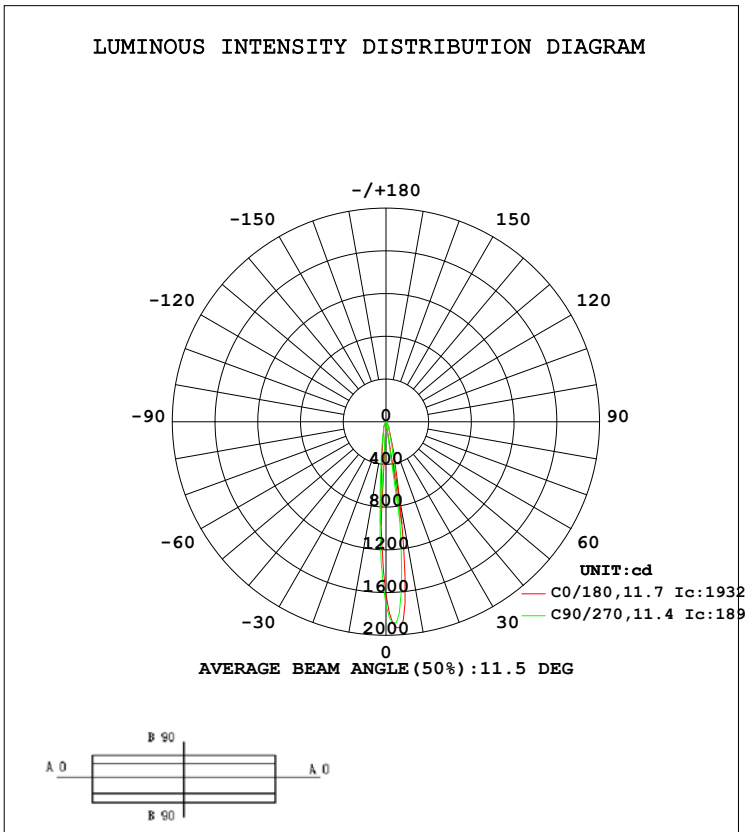


LUMINAIRE PHOTOMETRIC TEST REPORT

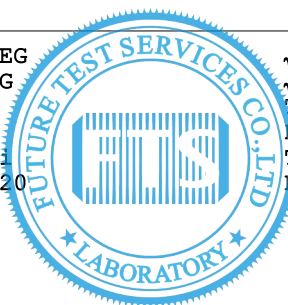
Test:U:3.000V I:0.6200A P:1.860W PF:1.000 Freq:50.00Hz Lamp Flux:159.889x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 11x70x80mm	SERIAL No.:FTS20081902L-02
	SUR.:130mm	Shielding Angle:--

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.96 lm/W			
MODEL	--	I <sub>max</sub> (cd)	2363	S/MH (C0/180)	0.12
NOMINAL POWER (W)	--	LOR (%)	100.0	S/MH (C90/270)	0.13
RATED VOLTAGE (V)	--	TOTAL FLUX (lm)	159.89	η UP, DN (C0-180)	0.5, 63.4
NOMINAL FLUX (lm)	159.889	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.3, 35.8
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	--	η down (%)	99.2	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: salah we  
 Test Date: 2020-08-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity: 62%  
 Test Distance: 13.339m [K=1.0000]  
 Remarks: --

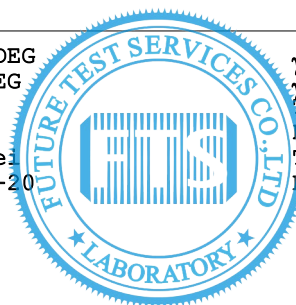


## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	719.4	865.4	508.0	288.8	178.9	168.2	212.5	340.9	0- 10	84.21	84.21	52.7,52.7
20	100.4	103.8	87.69	70.98	63.28	60.54	66.10	75.13	10- 20	46.50	130.7	81.8,81.8
30	47.97	49.56	38.73	14.17	4.429	3.714	6.085	19.70	20- 30	23.26	154.0	96.3,96.3
40	1.703	1.641	1.481	1.062	0.7737	0.5621	0.7271	1.124	30- 40	3.865	157.8	98.7,98.7
50	0.5263	0.4187	0.4238	0.3622	0.2621	0.1369	0.1761	0.3938	40- 50	0.5048	158.3	99,99
60	0.2124	0.0750	0.0495	0.1250	0.0997	0	0	0.1622	50- 60	0.1833	158.5	99.1,99.1
70	0.0752	0	0	0.0126	0	0	0	0.0502	60- 70	0.0551	158.6	99.2,99.2
80	0	0	0	0	0	0	0	0	70- 80	0.0069	158.6	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	0	158.6	99.2,99.2
100	0	0	0	0	0	0	0	0	90-100	0	158.6	99.2,99.2
110	0	0	0	0	0	0	0	0	100-110	0	158.6	99.2,99.2
120	0	0	0	0	0	0	0	0	110-120	0	158.6	99.2,99.2
130	0	0	0	0.0127	0	0	0	0	120-130	0.0006	158.6	99.2,99.2
140	0.2863	0.4060	0.6754	0.9740	0.1379	0.1569	0.0610	0	130-140	0.1039	158.7	99.3,99.3
150	0.6868	0.8057	0.8241	0.7934	0.8130	0.8241	0.7737	0.6306	140-150	0.3791	159.1	99.5,99.5
160	0.9367	0.9118	0.9623	1.031	1.062	1.055	1.074	0.9994	150-160	0.4049	159.5	99.7,99.7
170	1.137	1.118	1.149	1.224	1.074	1.031	1.162	1.131	160-170	0.3084	159.8	99.9,99.9
180	0.9619	0.9682	0.8620	0.9057	0.9744	0.9494	0.9869	0.9057	170-180	0.1035	159.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

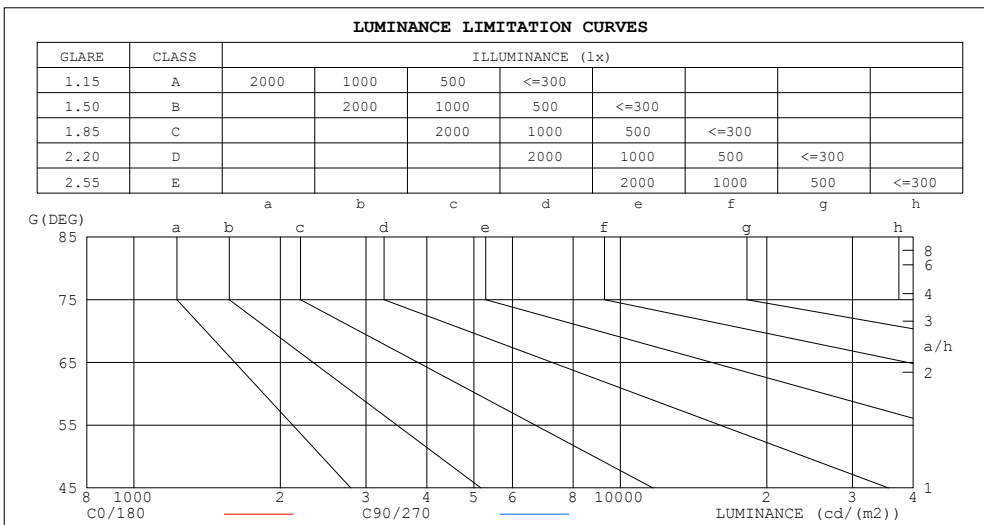
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:salah we  
 Test Date:2020-08-20



$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:62%  
 Test Distance:13.339m [K=1.0000]  
 Remarks: --

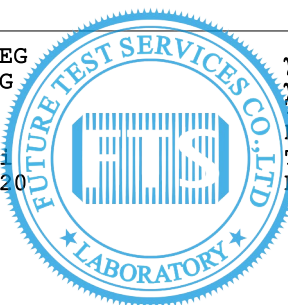
**LUMINANCE LIMITATION CURVES**

Test:U:3.000V I:0.6200A P:1.860W PF:1.000 Freq:50.00Hz Lamp Flux:159.889x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 11x70x80mm	SERIAL No.:FTS20081902L-02
	SUR.:130mm	Shielding Angle:--



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	0
80	0	0
75	13	0
70	29	0
65	42	0
60	55	13
55	74	51
50	106	86
45	163	137

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:salah we  
 Test Date:2020-08-20

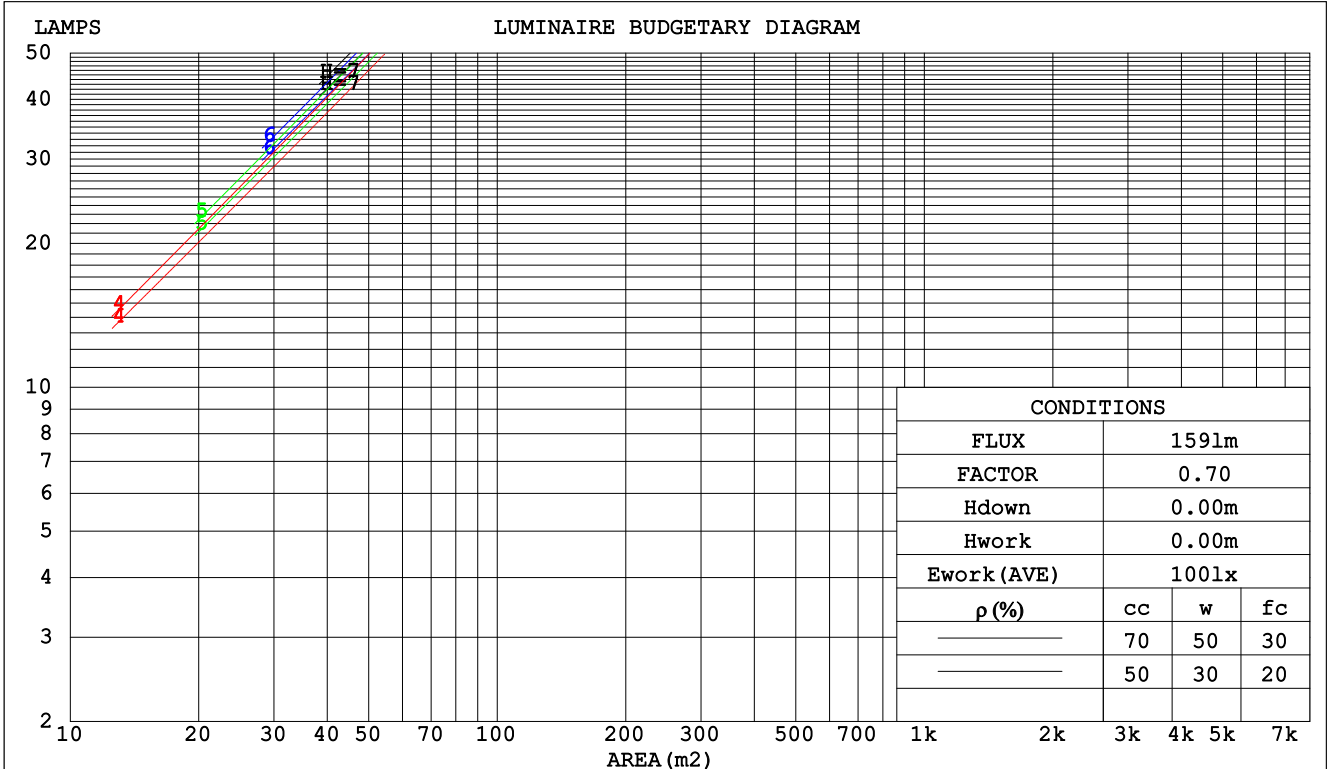


γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:62%  
 Test Distance:13.339m [K=1.0000]  
 Remarks: --

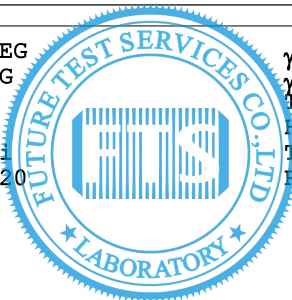
## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:3.000V I:0.6200A P:1.860W PF:1.000 Freq:50.00Hz Lamp Flux:159.889x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 11x70x80mm	SERIAL No.:FIS20081902L-02
	SUR.:130mm	Shielding Angle:--

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.13	1.12	1.10	1.11	1.10	1.08	1.07	1.06	1.05	1.03	1.02	1.01	.00	.99	.98	.97
2.0	1.09	1.06	1.04	1.07	1.04	1.02	1.04	1.02	1.00	1.01	.99	.98	.98	.97	.96	.94
3.0	1.05	1.01	.99	1.03	1.00	.98	1.01	.98	.96	.98	.96	.95	.96	.95	.93	.92
4.0	1.01	.98	.95	1.00	.97	.94	.98	.95	.93	.96	.94	.92	.94	.93	.91	.90
5.0	.98	.95	.92	.97	.94	.91	.96	.93	.91	.94	.92	.90	.93	.91	.89	.88
6.0	.95	.92	.89	.95	.91	.89	.93	.90	.88	.92	.90	.88	.91	.89	.87	.86
7.0	.93	.89	.87	.92	.89	.87	.91	.88	.86	.90	.88	.86	.89	.87	.85	.84
8.0	.91	.87	.85	.90	.87	.85	.89	.86	.84	.89	.86	.84	.88	.85	.84	.83
9.0	.89	.85	.83	.88	.85	.83	.88	.85	.82	.87	.84	.82	.86	.84	.82	.81
10.0	.87	.83	.81	.87	.83	.81	.86	.83	.81	.85	.83	.81	.85	.82	.80	.80



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:salah wei  
 Test Date:2020-08-20



γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:62%  
 Test Distance:13.339m [K=1.0000]  
 Remarks: --

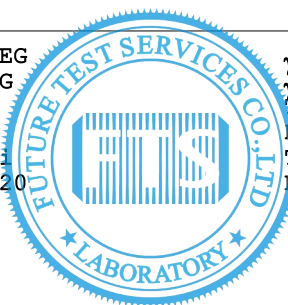
**WEC AND CCEC**

Test:U:3.000V I:0.6200A P:1.860W PF:1.000 Freq:50.00Hz Lamp Flux:159.889x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 11x70x80mm	SERIAL No.:FTS20081902L-02
	SUR.:130mm	Shielding Angle:--

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.126	.071	.023	.119	.068	.022	.106	.061	.019	.094	.054	.017	.083	.048	.016	
2.0	.115	.063	.019	.110	.060	.019	.099	.055	.017	.090	.050	.016	.081	.046	.014	
3.0	.107	.057	.017	.102	.055	.016	.093	.051	.015	.085	.047	.014	.078	.043	.013	
4.0	.099	.052	.015	.095	.050	.015	.088	.047	.014	.081	.044	.013	.075	.041	.012	
5.0	.093	.047	.014	.090	.046	.013	.083	.043	.013	.077	.041	.012	.072	.038	.012	
6.0	.087	.044	.013	.085	.043	.012	.079	.041	.012	.074	.039	.011	.069	.037	.011	
7.0	.083	.041	.012	.080	.040	.011	.075	.038	.011	.071	.036	.011	.067	.035	.010	
8.0	.078	.038	.011	.076	.037	.011	.072	.036	.010	.068	.035	.010	.065	.033	.010	
9.0	.075	.036	.010	.073	.035	.010	.069	.034	.010	.066	.033	.009	.062	.032	.009	
10.0	.071	.034	.009	.069	.034	.009	.066	.032	.009	.063	.031	.009	.060	.030	.009	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.197	.197	.197	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.174	.164	.155	.149	.141	.134	.102	.097	.092	.059	.056	.054	.019	.018	.017	
2.0	.155	.139	.126	.133	.120	.109	.091	.083	.076	.052	.048	.044	.017	.016	.014	
3.0	.139	.120	.104	.119	.103	.090	.082	.072	.063	.047	.042	.037	.015	.014	.012	
4.0	.126	.104	.087	.108	.090	.076	.075	.063	.053	.043	.037	.031	.014	.012	.010	
5.0	.115	.091	.074	.099	.079	.064	.068	.055	.045	.039	.032	.027	.013	.011	.009	
6.0	.106	.081	.064	.091	.070	.055	.063	.049	.039	.036	.029	.023	.012	.009	.008	
7.0	.098	.073	.055	.084	.063	.048	.058	.044	.034	.034	.026	.020	.011	.009	.007	
8.0	.091	.066	.049	.078	.057	.043	.054	.040	.030	.032	.024	.018	.010	.008	.006	
9.0	.085	.060	.043	.073	.052	.038	.051	.037	.027	.030	.022	.016	.010	.007	.005	
10.0	.080	.055	.039	.069	.048	.034	.048	.034	.024	.028	.020	.014	.009	.007	.005	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:salah we  
 Test Date:2020-08-20



γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:62%  
 Test Distance:13.339m [K=1.0000]  
 Remarks: --

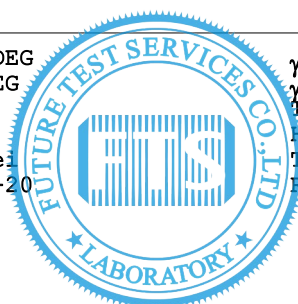
**UGR(Unified Glare Rating) Table**

Test:U:3.000V I:0.6200A P:1.860W PF:1.000 Freq:50.00Hz Lamp Flux:159.889x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 11x70x80mm	SERIAL No.:FTS20081902L-02
	SUR.:130mm	Shielding Angle:--

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	8.2	8.8	8.4	8.9	9.1	4.8	5.4	5.0	5.5	5.7
3H	8.1	8.6	8.3	8.8	9.0	4.7	5.2	4.9	5.4	5.6
4H	8.0	8.5	8.3	8.7	9.0	4.6	5.1	4.9	5.3	5.5
6H	7.9	8.4	8.2	8.7	8.9	4.5	5.0	4.8	5.2	5.5
8H	7.9	8.3	8.2	8.6	8.9	4.5	4.9	4.8	5.2	5.5
12H	7.8	8.3	8.2	8.6	8.8	4.4	4.9	4.7	5.1	5.4
4H 2H	8.0	8.5	8.3	8.7	8.9	4.6	5.1	4.9	5.3	5.6
3H	7.8	8.3	8.2	8.6	8.8	4.4	4.9	4.7	5.2	5.4
4H	7.7	8.2	8.1	8.5	8.8	4.3	4.7	4.7	5.0	5.4
6H	7.6	8.0	8.0	8.3	8.7	4.2	4.6	4.6	4.9	5.3
8H	7.6	7.9	8.0	8.3	8.7	4.2	4.5	4.6	4.9	5.2
12H	7.5	7.8	7.9	8.2	8.6	4.1	4.4	4.5	4.8	5.2
8H 4H	7.6	7.9	8.0	8.3	8.7	4.2	4.5	4.6	4.9	5.2
6H	7.5	7.7	7.9	8.1	8.6	4.0	4.3	4.5	4.7	5.2
8H	7.4	7.6	7.8	8.1	8.5	4.0	4.2	4.4	4.7	5.1
12H	7.3	7.5	7.8	8.0	8.5	3.9	4.1	4.4	4.6	5.1
12H 4H	7.5	7.8	7.9	8.2	8.6	4.1	4.4	4.5	4.8	5.2
6H	7.4	7.6	7.8	8.1	8.5	4.0	4.2	4.4	4.7	5.1
8H	7.3	7.5	7.8	8.0	8.5	3.9	4.1	4.4	4.6	5.1
Variations with the observer position at spacings:										
S = 1.0H	+ 3.4 / - 6.2					+ 3.2 / -11.9				
1.5H	+ 5.3 / - 5.1					+ 4.8 / - 6.0				
2.0H	+ 4.1 / - 7.5					+ 5.2 / -24.5				

CIE Pub.117, 159.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.4)

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 10.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
Temperature:25DEG	Humidity:62%
Operators:salah we	Test Distance:13.339m [K=1.0000]
Test Date:2020-08-20	Remarks: --

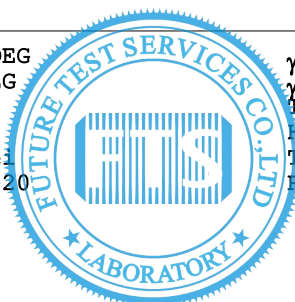


UTILIZATION FACTORS TABLE

Test:U:3.000V I:0.6200A P:1.860W PF:1.000 Freq:50.00Hz Lamp Flux:159.889x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 11x70x80mm	SERIAL No.:FIS20081902L-02
	SUR.:130mm	Shielding Angle:--

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	91	85	82	90	85	82	90	85	81	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	98	94
2.00	110	106	103	108	105	102	105	103	100	95
2.50	111	108	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	98
5.00	115	113	112	113	112	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

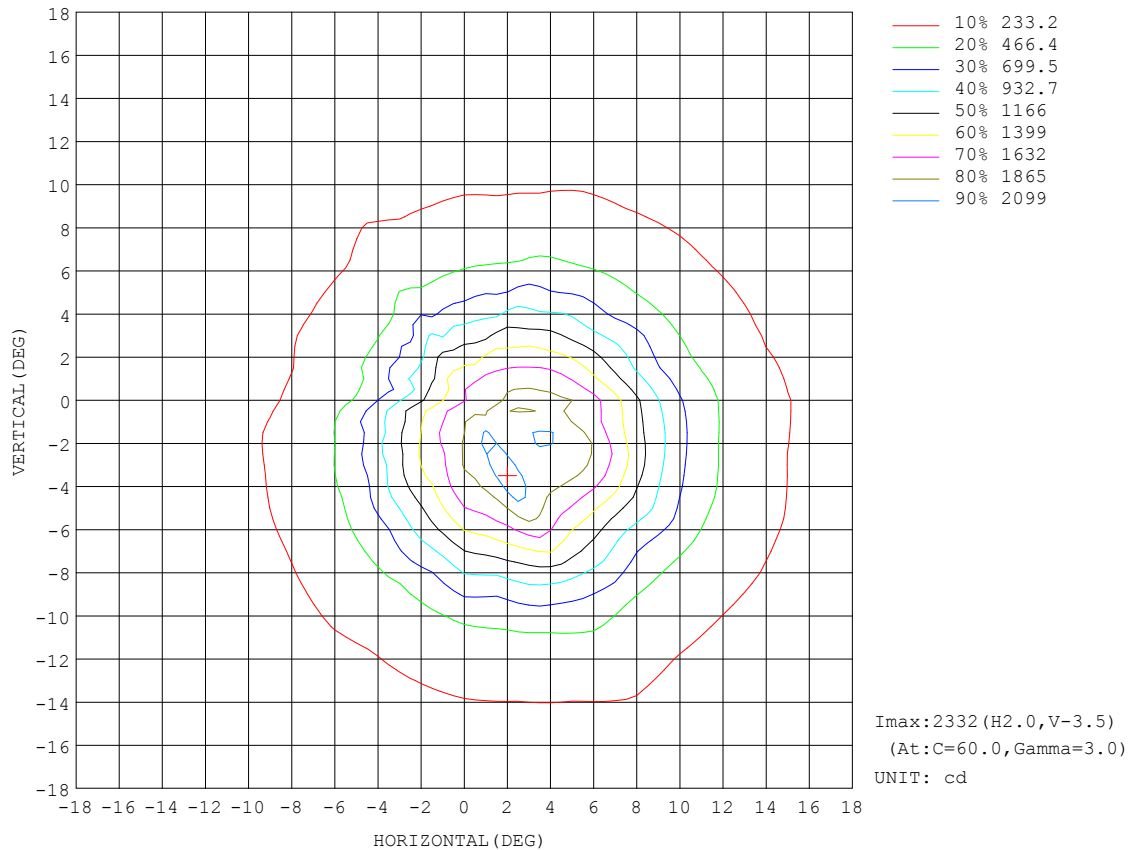
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:salah we  
 Test Date:2020-08-20



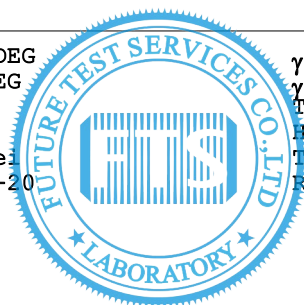
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:62%  
 Test Distance:13.339m [K=1.0000]  
 Remarks: --

## ISOCANDELA DIAGRAM

Test:U:3.000V I:0.6200A P:1.860W PF:1.000 Freq:50.00Hz Lamp Flux:159.889x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 11x70x80mm	SERIAL No.:FTS20081902L-02
	SUR.:130mm	Shielding Angle:--



C Range: 0 - 360DEG      γ Range: 0 - 180DEG  
 C Interval: 10.0DEG      γ Interval: 1.0DEG  
 Test Speed: HIGH      Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Temperature:25DEG      Humidity:62%  
 Operators:salah wei      Test Distance:13.339m [K=1.0000]  
 Test Date:2020-08-20      Remarks: --

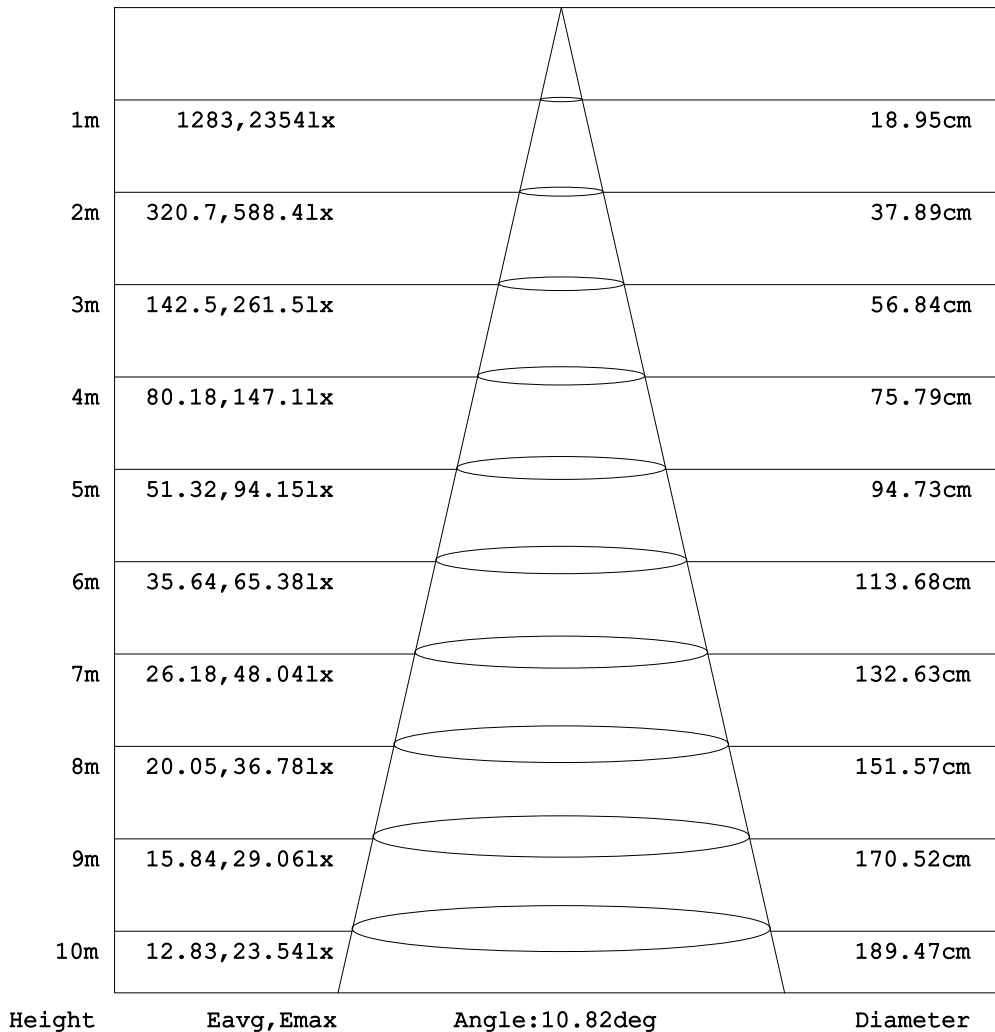




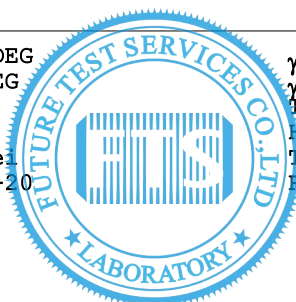
**AAI Figure**

Test:U:3.000V I:0.6200A P:1.860W PF:1.000 Freq:50.00Hz Lamp Flux:159.889x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 11x70x80mm	SERIAL No.:FTS20081902L-02
	SUR.:130mm	Shielding Angle:--

Flux out:44.52 lm

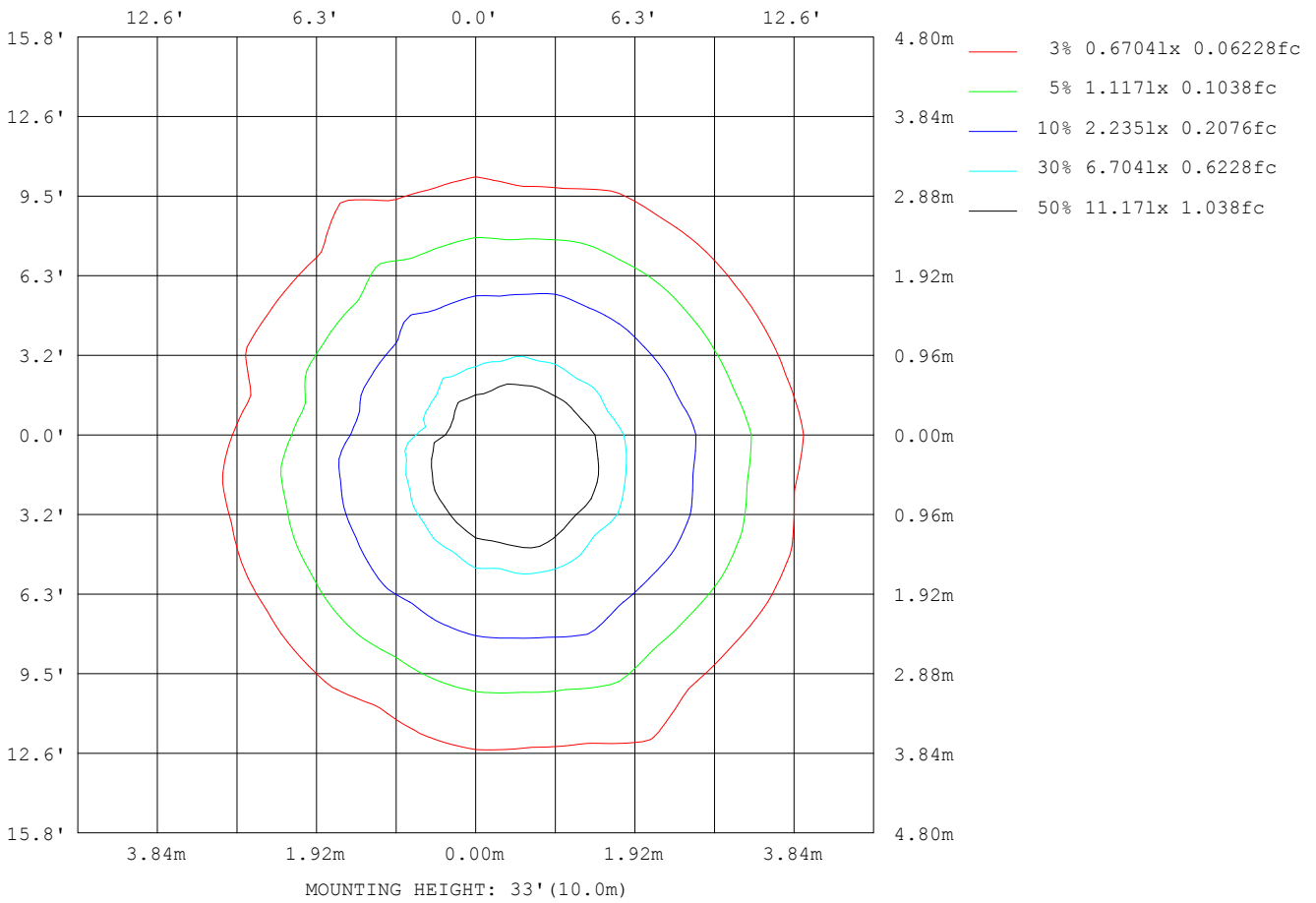


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

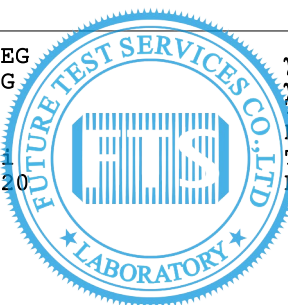
 C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:salah wei  
 Test Date:2020-08-20

 γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:62%  
 Test Distance:13.339m [K=1.0000]  
 Remarks: --

ISOLUX DIAGRAM

Test:U:3.000V I:0.6200A P:1.860W PF:1.000 Freq:50.00Hz Lamp Flux:159.889x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 11x70x80mm	SERIAL No.:FTS20081902L-02
	SUR.:130mm	Shielding Angle:--

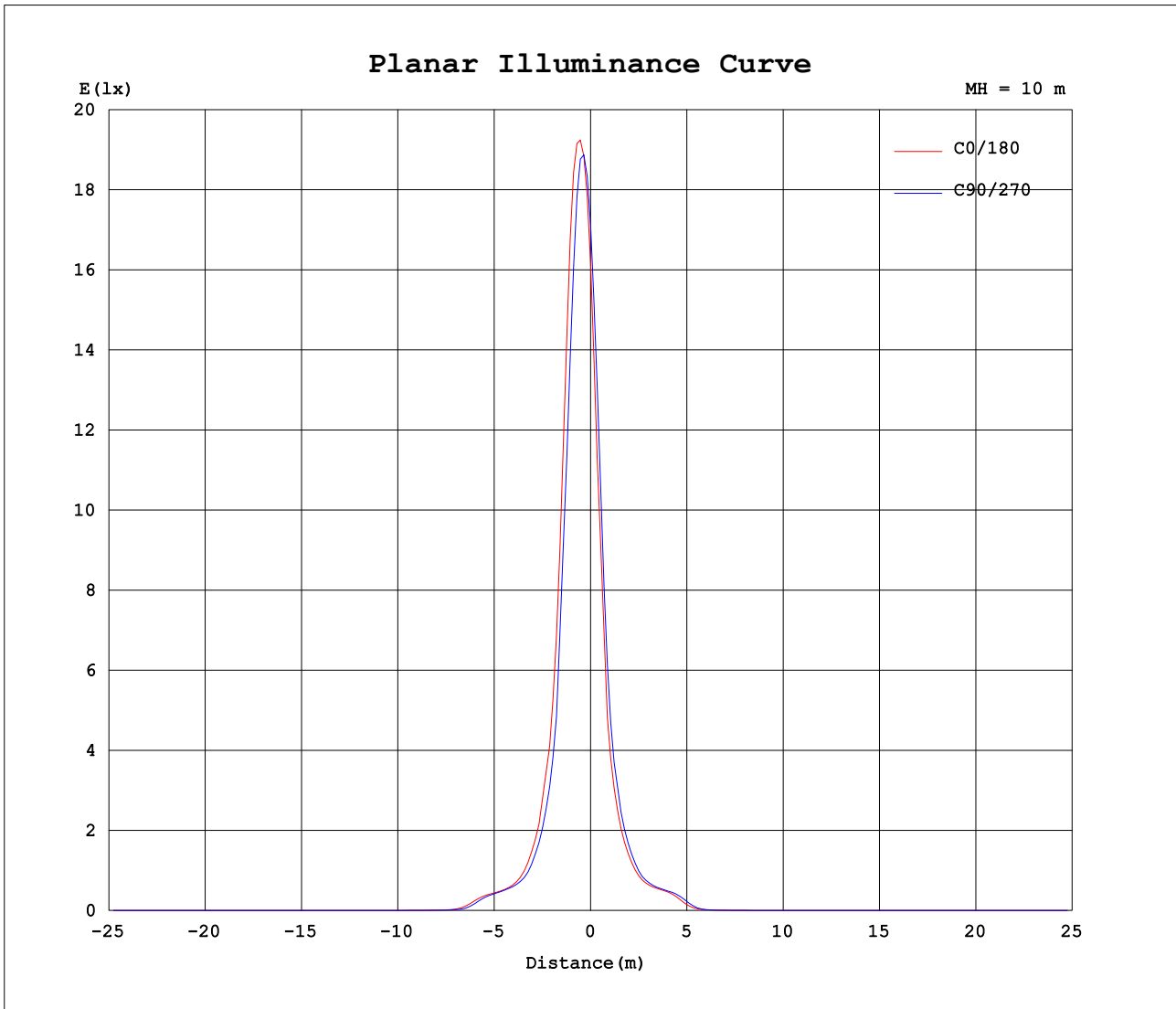


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:salah we  
 Test Date:2020-08-20

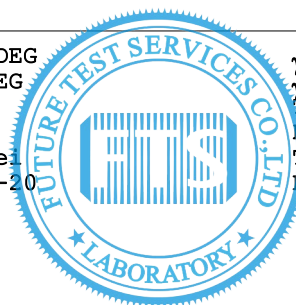


γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:62%  
 Test Distance:13.339m [K=1.0000]  
 Remarks: --

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: salah we  
 Test Date: 2020-08-20



γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity: 62%  
 Test Distance: 13.339m [K=1.0000]  
 Remarks: --

LUMINOUS DISTRIBUTION INTENSITY DATA

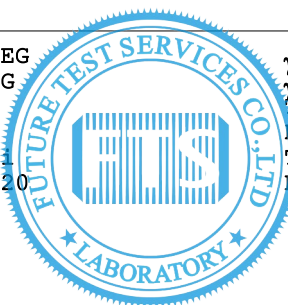
Test:U:3.000V I:0.6200A P:1.860W PF:1.000 Freq:50.00Hz Lamp Flux:159.889x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 11x70x80mm	SERIAL No.:FTS20081902L-02
	SUR.:130mm	Shielding Angle:--

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1617	1472	1656	1613	1626	1620	1958	1701	1696	1713	1719	1628	1741	1722	1719	1730	1723	1752	1617
5	1866	1842	2087	2085	2012	1982	2226	1878	1705	1625	1435	1247	1148	1036	852	809	666	685	487
10	719	811	869	953	822	909	830	734	559	508	431	368	341	309	269	249	224	213	179
15	239	241	269	273	255	249	271	224	198	188	167	146	139	127	114	107	98.8	96.5	85.3
20	100	98.7	109	109	105	103	115	97.1	89.6	87.7	82.0	73.9	75.7	72.2	69.7	68.5	66.7	66.2	63.3
25	66.0	61.7	68.5	68.0	66.0	66.2	77.2	67.0	63.9	63.8	61.5	56.7	59.6	57.5	54.7	52.1	47.5	44.8	36.0
30	48.0	46.1	51.0	51.7	49.7	49.4	54.9	46.0	41.7	38.7	31.9	25.3	20.2	16.3	12.0	9.81	7.33	6.36	4.43
35	6.83	7.79	9.14	9.68	8.40	7.70	7.71	5.96	4.58	4.19	3.47	2.91	2.62	2.30	2.09	1.96	1.81	1.70	1.43
40	1.70	1.67	1.95	1.90	1.68	1.60	1.79	1.55	1.49	1.48	1.33	1.11	1.14	1.09	1.04	1.03	1.03	0.91	0.77
45	0.89	0.86	1.00	0.94	0.83	0.76	0.90	0.73	0.74	0.75	0.70	0.60	0.63	0.60	0.61	0.65	0.68	0.55	0.47
50	0.53	0.50	0.59	0.51	0.45	0.39	0.49	0.39	0.41	0.42	0.41	0.32	0.37	0.35	0.38	0.41	0.46	0.35	0.26
55	0.32	0.30	0.36	0.27	0.23	0.19	0.24	0.17	0.20	0.22	0.23	0.15	0.21	0.21	0.24	0.24	0.28	0.25	0.16
60	0.21	0.17	0.22	0.14	0.10	0.05	0.09	0.04	0.03	0.05	0.09	0.04	0.11	0.12	0.13	0.15	0.20	0.15	0.10
65	0.14	0.10	0.13	0.04	0.03	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.08	0.07	0.15	0.11	0.06
70	0.08	0.06	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.09	0.05	0.00
75	0.03	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.09	0.13	0.00
135	0.01	0.00	0.00	0.01	0.01	0.04	0.11	0.09	0.11	0.15	0.22	0.24	0.35	0.40	0.50	0.54	0.57	0.63	0.00
140	0.29	0.28	0.34	0.35	0.40	0.41	0.60	0.55	0.60	0.68	0.77	0.76	0.91	0.95	1.00	1.01	0.97	0.97	0.14
145	0.57	0.54	0.66	0.67	0.75	0.80	1.01	0.94	0.95	1.00	1.04	0.92	1.05	1.01	0.99	0.94	0.91	0.86	0.51
150	0.69	0.65	0.75	0.76	0.81	0.80	0.98	0.85	0.83	0.82	0.84	0.71	0.81	0.80	0.79	0.80	0.79	0.80	0.81
155	0.75	0.70	0.76	0.76	0.76	0.76	0.85	0.79	0.75	0.79	0.82	0.74	0.85	0.89	0.90	0.91	0.92	0.96	0.97
160	0.94	0.84	0.91	0.91	0.91	0.91	1.02	0.96	0.94	0.96	1.00	0.92	1.02	1.02	1.04	1.07	1.06	1.10	1.06
165	1.06	0.96	1.05	1.05	1.06	1.05	1.16	1.07	1.06	1.07	1.10	1.02	1.12	1.15	1.14	1.17	1.17	1.17	1.11
170	1.14	1.01	1.12	1.12	1.12	1.11	1.16	1.16	1.14	1.15	1.17	1.07	1.20	1.22	1.22	1.26	1.25	1.25	1.07
175	1.12	1.00	1.14	1.10	1.14	1.10	1.17	1.19	1.17	1.26	1.25	1.12	1.25	1.21	1.21	1.15	1.13	1.10	0.90
180	0.96	0.86	0.97	0.95	0.99	0.95	1.01	1.01	0.96	0.86	0.95	0.84	0.92	0.91	0.90	0.89	0.89	0.89	0.97

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:salah we  
 Test Date:2020-08-20



γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:62%  
 Test Distance:13.339m [K=1.0000]  
 Remarks: --

**LUMINOUS DISTRIBUTION INTENSITY DATA**

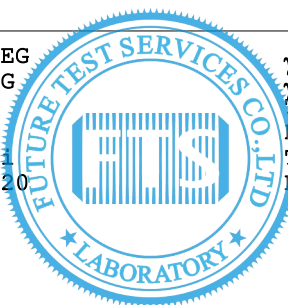
Test:U:3.000V I:0.6200A P:1.860W PF:1.000 Freq:50.00Hz Lamp Flux:159.889x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 11x70x80mm	SERIAL No.: FTS20081902L-02
	SUR.:130mm	Shielding Angle:--

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1472	1656	1613	1626	1620	1958	1701	1696	1713	1719	1628	1741	1722	1719	1730	1723	1752		
5	419	465	447	458	462	585	531	576	621	702	730	949	1002	1179	1312	1503	1658		
10	157	173	167	167	169	209	189	198	212	216	241	288	320	362	406	489	556		
15	76.5	84.8	82.5	82.2	82.2	98.7	87.7	89.8	95.1	93.8	104	121	131	149	164	183	202		
20	57.4	63.7	62.1	60.6	60.5	71.1	63.4	63.9	66.1	61.8	65.4	72.5	73.5	76.7	79.4	84.1	89.8		
25	30.0	33.0	31.2	32.2	33.0	42.5	39.3	43.6	46.9	46.4	49.5	56.3	58.0	59.7	60.8	63.1	65.0		
30	3.58	3.95	3.70	3.70	3.73	4.92	4.58	5.23	6.08	7.34	9.48	13.8	16.8	22.6	27.3	34.2	39.4		
35	1.25	1.44	1.30	1.17	1.14	1.43	1.25	1.31	1.43	1.44	1.60	2.02	2.31	2.82	3.32	3.99	4.58		
40	0.71	0.81	0.69	0.57	0.55	0.69	0.60	0.62	0.73	0.69	0.82	0.96	1.07	1.18	1.33	1.44	1.49		
45	0.44	0.51	0.39	0.29	0.29	0.36	0.31	0.32	0.38	0.37	0.48	0.55	0.62	0.69	0.76	0.85	0.84		
50	0.28	0.34	0.21	0.14	0.14	0.17	0.14	0.14	0.18	0.17	0.28	0.34	0.38	0.41	0.48	0.56	0.53		
55	0.18	0.20	0.11	0.05	0.04	0.07	0.02	0.01	0.06	0.07	0.15	0.17	0.24	0.25	0.30	0.36	0.34		
60	0.13	0.11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.07	0.16	0.16	0.19	0.24	0.24		
65	0.11	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.10	0.10	0.13	0.16	0.17	
70	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.06	0.09	0.12	0.13		
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04		
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
140	0.17	0.18	0.19	0.16	0.15	0.21	0.11	0.09	0.06	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
145	0.56	0.59	0.56	0.54	0.52	0.66	0.51	0.45	0.44	0.39	0.34	0.34	0.25	0.21	0.19	0.15	0.11		
150	0.85	0.87	0.84	0.82	0.82	1.01	0.82	0.77	0.77	0.66	0.69	0.74	0.64	0.62	0.56	0.53	0.50		
155	1.01	1.01	0.97	0.95	0.96	1.19	0.97	0.94	0.97	0.81	0.89	0.98	0.89	0.87	0.85	0.84	0.82		
160	1.04	1.12	1.07	1.05	1.06	1.29	1.06	1.01	1.07	0.92	1.04	1.11	1.00	1.00	0.99	0.99	0.99		
165	1.10	1.17	1.12	1.07	1.11	1.35	1.14	1.09	1.15	0.99	1.09	1.19	1.11	1.10	1.07	1.09	1.07		
170	1.04	1.09	1.07	1.01	1.05	1.26	1.11	1.05	1.16	0.96	1.14	1.22	1.14	1.12	1.12	1.12	1.14		
175	0.87	0.89	0.86	0.80	0.84	1.02	0.87	0.85	0.95	0.81	1.07	1.07	1.04	1.02	1.05	1.06	1.09		
180	0.96	1.00	0.97	0.92	0.97	1.17	0.99	0.95	0.99	0.82	1.04	1.01	0.91	0.90	0.89	0.89	0.90		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:salah we  
 Test Date:2020-08-20



γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.404.7  
 Humidity:62%  
 Test Distance:13.339m [K=1.0000]  
 Remarks: --