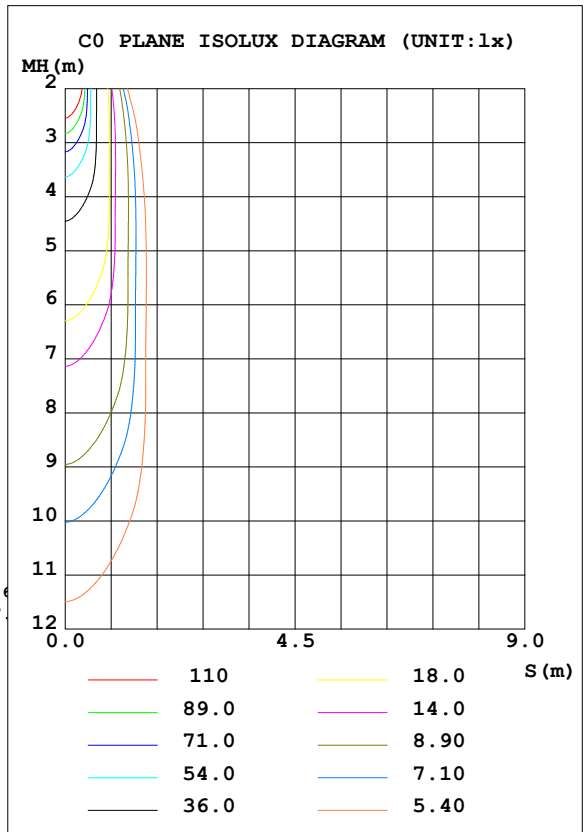
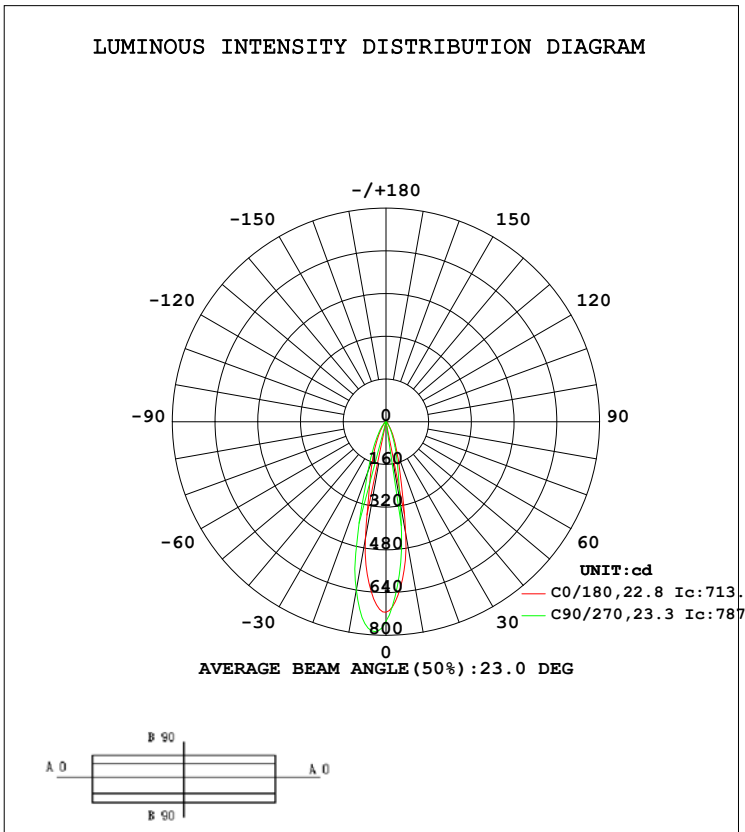


LUMINAIRE PHOTOMETRIC TEST REPORT

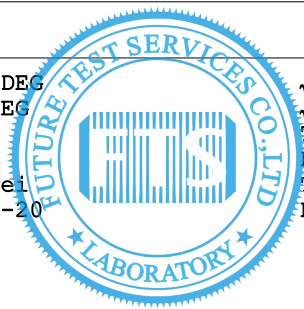
Test:U:3.000V I:0.7800A P:2.340W PF:0 Freq:50.00Hz Lamp Flux:201.232x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 140x30x110mm	SERIAL No.:FTS20081902L-03
	SUR.:140mm	Shielding Angle:--

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.00 lm/W			
MODEL	--	I _{max} (cd)	800.7	S/MH (C0/180)	0.40
NOMINAL POWER (W)	--	LOR (%)	100.0	S/MH (C90/270)	0.49
RATED VOLTAGE (V)	--	TOTAL FLUX (lm)	201.23	η UP, DN (C0-180)	0.5, 39.1
NOMINAL FLUX (lm)	201.232	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.2, 60.1
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	--	η down (%)	99.3	CIBSE SHR MAX	1.00



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: --



ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	426.4	341.0	307.1	330.4	446.6	598.2	641.2	553.6	0- 10	55.60	55.60	27.6,27.6
20	120.6	102.3	98.40	110.2	144.1	193.5	198.2	160.6	10- 20	70.39	126.0	62.6,62.6
30	40.85	31.48	34.59	34.79	49.90	66.62	68.79	54.47	20- 30	38.60	164.6	81.8,81.8
40	13.81	10.63	9.759	10.99	16.33	19.77	27.10	15.91	30- 40	16.69	181.3	90.1,90.1
50	8.517	5.686	4.679	5.654	8.783	8.731	8.150	7.646	40- 50	7.696	189.0	93.9,93.9
60	4.938	3.960	3.108	3.805	5.234	5.925	3.973	5.362	50- 60	5.007	194.0	96.4,96.4
70	3.712	2.216	1.698	2.104	4.057	3.318	2.600	2.960	60- 70	3.470	197.5	98.1,98.1
80	1.903	0.5636	0.3234	0.4747	2.005	1.317	1.328	1.242	70- 80	1.885	199.3	99.1,99.1
90	0.0003	0	0	0	0	0.0316	0.1150	0.0255	80- 90	0.4115	199.8	99.3,99.3
100	0	0	0	0	0	0	0	0	90-100	0.0018	199.8	99.3,99.3
110	0	0	0	0	0	0	0	0	100-110	0	199.8	99.3,99.3
120	0	0	0	0	0	0	0	0	110-120	0	199.8	99.3,99.3
130	0.1858	0.3069	0.3011	0.1749	0	0	0	0	120-130	0.0288	199.8	99.3,99.3
140	0.6615	0.7870	0.7623	0.6059	0.1389	0.0557	0.0371	0.0813	130-140	0.1811	200.0	99.4,99.4
150	0.9616	1.068	1.062	0.9182	0.6499	0.5490	0.5110	0.5501	140-150	0.3554	200.3	99.6,99.6
160	1.162	1.293	1.324	1.193	1.074	1.018	1.011	1.018	150-160	0.4384	200.8	99.8,99.8
170	1.312	1.412	1.399	1.312	1.212	1.230	1.237	1.206	160-170	0.3456	201.1	99.9,99.9
180	1.199	1.262	1.237	1.212	1.174	1.174	1.224	1.212	170-180	0.1200	201.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

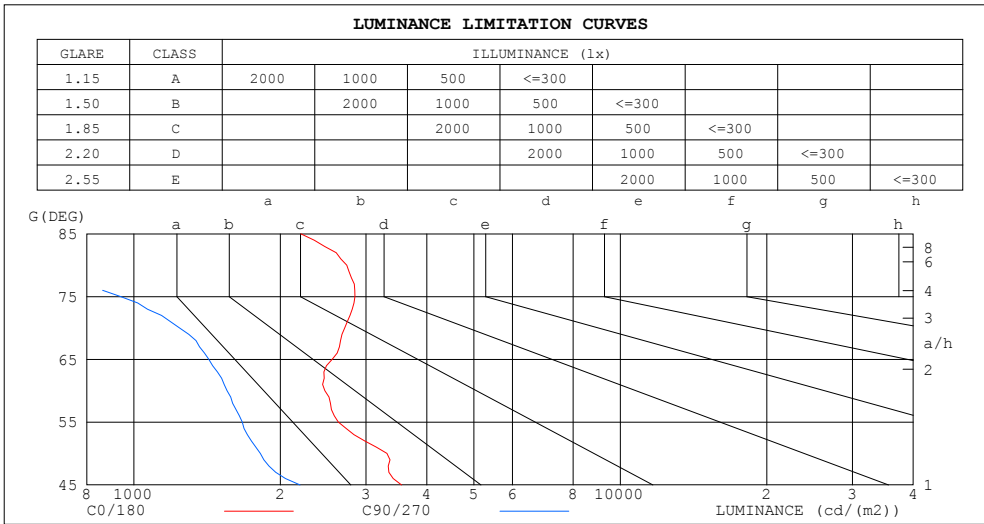
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:salah wei
 Test Date:2020-08-20



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: --

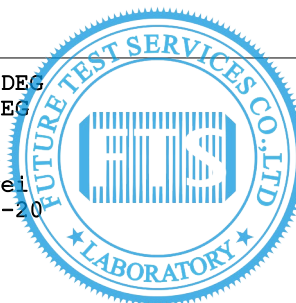
LUMINANCE LIMITATION CURVES

Test:U:3.000V I:0.7800A P:2.340W PF:0 Freq:50.00Hz Lamp Flux:201.232x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 140x30x110mm	SERIAL No.:FTS20081902L-03
	SUR.:140mm	Shielding Angle:--



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2203	0
80	2740	466
75	2848	939
70	2713	1241
65	2557	1426
60	2469	1554
55	2632	1670
50	3313	1820
45	3549	2195

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

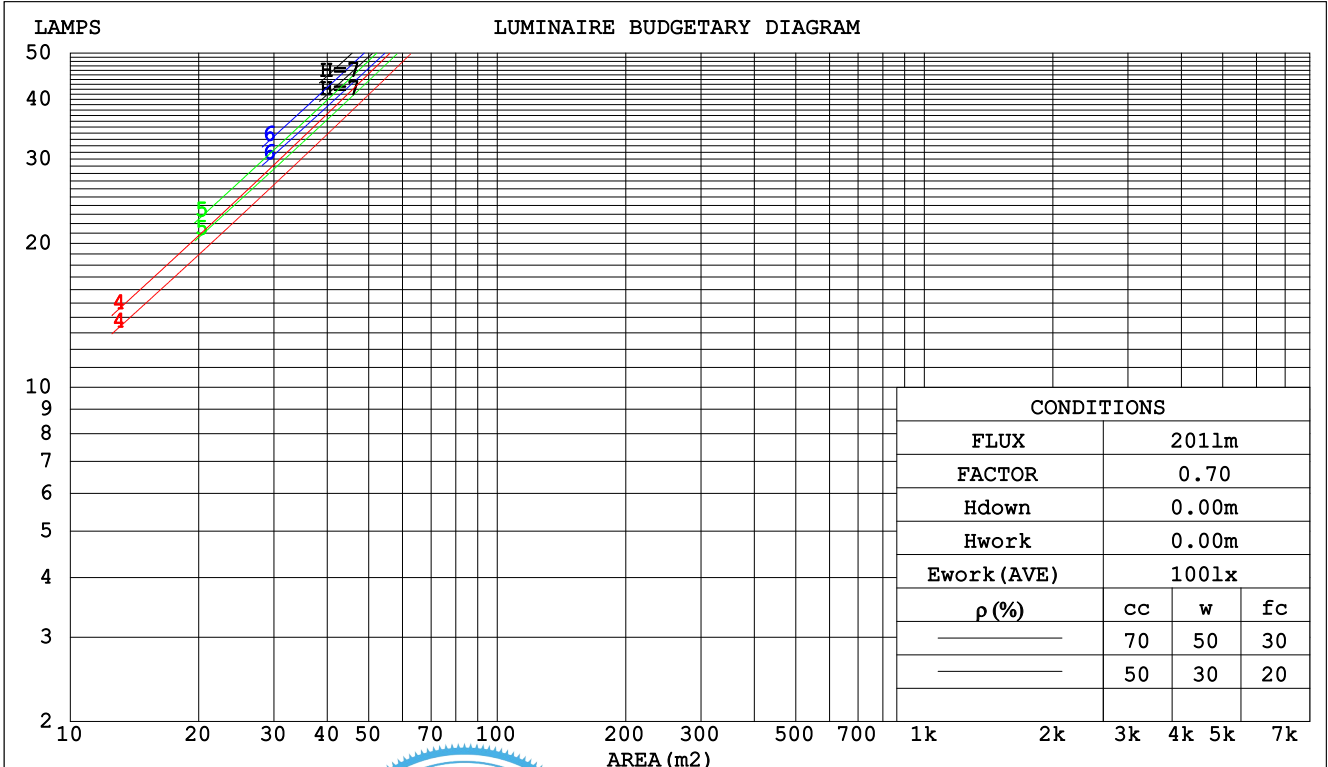


γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:62%
 Test Distance:13.339m [K=1.0000]
 Remarks: --

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

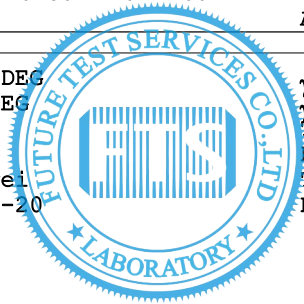
Test:U:3.000V I:0.7800A P:2.340W PF:0 Freq:50.00Hz Lamp Flux:201.232x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 140x30x110mm	SERIAL No.:FTS20081902L-03
	SUR.:140mm	Shielding Angle:--

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.99	.99	.97	.96	.96	.94
2.0	1.04	1.01	.98	1.03	.99	.97	.99	.97	.94	.96	.94	.92	.94	.92	.90	.89
3.0	.99	.94	.91	.97	.93	.90	.95	.91	.88	.92	.89	.87	.90	.87	.85	.84
4.0	.94	.89	.85	.92	.88	.84	.90	.86	.83	.88	.85	.82	.86	.84	.81	.80
5.0	.89	.84	.80	.88	.83	.80	.86	.82	.79	.85	.81	.78	.83	.80	.78	.76
6.0	.85	.80	.76	.84	.79	.76	.83	.79	.75	.81	.78	.75	.80	.77	.74	.73
7.0	.81	.76	.73	.81	.76	.73	.80	.75	.72	.78	.75	.72	.77	.74	.71	.70
8.0	.78	.73	.70	.78	.73	.70	.77	.72	.69	.76	.72	.69	.75	.71	.69	.68
9.0	.75	.70	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.72	.69	.66	.65
10.0	.73	.68	.65	.72	.68	.65	.71	.67	.64	.71	.67	.64	.70	.66	.64	.63



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:0.7800A P:2.340W PF:0 Freq:50.00Hz Lamp Flux:201.232x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 140x30x110mm	SERIAL No.:FTS20081902L-03
	SUR.:140mm	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	.166	.094	.030	.159	.091	.029	.146	.084	.027	.134	.077	.025	.123	.071	.023	
2.0	.156	.085	.026	.150	.083	.025	.139	.077	.024	.129	.072	.023	.120	.068	.021	
3.0	.146	.077	.023	.141	.075	.023	.131	.071	.022	.123	.067	.021	.115	.064	.020	
4.0	.136	.071	.021	.132	.069	.020	.124	.066	.020	.117	.063	.019	.110	.060	.018	
5.0	.128	.065	.019	.125	.064	.019	.118	.061	.018	.112	.059	.018	.106	.056	.017	
6.0	.121	.061	.017	.118	.060	.017	.112	.057	.017	.106	.055	.016	.101	.053	.016	
7.0	.115	.057	.016	.112	.056	.016	.107	.054	.016	.102	.052	.015	.097	.050	.015	
8.0	.109	.053	.015	.106	.052	.015	.102	.051	.015	.097	.049	.014	.093	.048	.014	
9.0	.104	.050	.014	.101	.049	.014	.097	.048	.014	.093	.047	.013	.090	.046	.013	
10.0	.099	.047	.013	.097	.047	.013	.093	.046	.013	.090	.045	.013	.086	.044	.012	

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	.196	.196	.196	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.176	.163	.151	.151	.140	.130	.103	.096	.090	.059	.056	.052	.019	.018	.017	
2.0	.160	.138	.120	.137	.119	.104	.094	.082	.072	.054	.048	.042	.017	.015	.014	
3.0	.146	.119	.098	.125	.103	.085	.086	.071	.059	.050	.042	.035	.016	.014	.011	
4.0	.135	.104	.081	.116	.090	.070	.080	.063	.049	.046	.037	.029	.015	.012	.010	
5.0	.125	.092	.068	.107	.080	.059	.074	.056	.042	.043	.033	.025	.014	.011	.008	
6.0	.117	.083	.058	.100	.072	.051	.069	.050	.036	.040	.029	.021	.013	.010	.007	
7.0	.109	.075	.050	.094	.065	.044	.065	.045	.031	.038	.027	.019	.012	.009	.006	
8.0	.103	.068	.044	.089	.059	.039	.061	.042	.027	.036	.025	.016	.012	.008	.005	
9.0	.097	.063	.039	.084	.054	.034	.058	.038	.024	.034	.023	.015	.011	.007	.005	
10.0	.093	.058	.035	.080	.050	.031	.055	.036	.022	.032	.021	.013	.010	.007	.004	

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: --



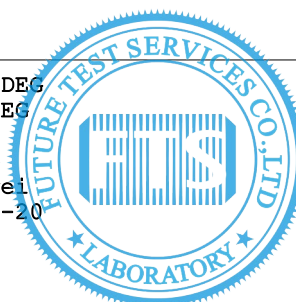
UGR(Unified Glare Rating) Table

Test:U:3.000V I:0.7800A P:2.340W PF:0 Freq:50.00Hz Lamp Flux:201.232x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 140x30x110mm	SERIAL No.:FTS20081902L-03
	SUR.:140mm	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	15.6	16.4	15.8	16.5	16.7	14.1	14.9	14.3	15.1	15.2
3H	16.9	17.6	17.1	17.8	18.0	14.9	15.7	15.2	15.9	16.1
4H	17.5	18.2	17.8	18.5	18.7	15.1	15.8	15.4	16.1	16.3
6H	18.1	18.8	18.4	19.0	19.3	15.2	15.9	15.5	16.1	16.4
8H	18.3	19.0	18.6	19.2	19.5	15.1	15.8	15.5	16.1	16.3
12H	18.4	19.1	18.8	19.3	19.6	15.1	15.7	15.4	16.0	16.3
4H 2H	15.9	16.6	16.2	16.8	17.1	14.7	15.4	14.9	15.6	15.8
3H	17.3	17.9	17.6	18.2	18.4	15.7	16.3	16.0	16.6	16.9
4H	18.0	18.5	18.3	18.8	19.2	16.0	16.5	16.3	16.8	17.2
6H	18.5	19.1	18.9	19.4	19.8	16.0	16.5	16.4	16.9	17.2
8H	18.8	19.2	19.2	19.6	20.0	16.0	16.5	16.4	16.8	17.2
12H	18.9	19.3	19.3	19.7	20.1	15.9	16.4	16.4	16.8	17.2
8H 4H	18.0	18.5	18.4	18.8	19.2	16.1	16.6	16.5	17.0	17.3
6H	18.6	19.0	19.0	19.4	19.8	16.2	16.6	16.7	17.0	17.5
8H	18.8	19.1	19.3	19.6	20.0	16.2	16.5	16.7	17.0	17.4
12H	18.9	19.2	19.4	19.7	20.2	16.1	16.4	16.6	16.9	17.4
12H 4H	17.9	18.4	18.4	18.8	19.2	16.1	16.5	16.5	16.9	17.3
6H	18.5	18.9	19.0	19.3	19.8	16.2	16.6	16.7	17.0	17.4
8H	18.8	19.1	19.2	19.5	20.0	16.2	16.5	16.7	16.9	17.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.5					+ 0.9 / - 0.7				
1.5H	+ 1.4 / - 0.8					+ 1.5 / - 0.7				
2.0H	+ 1.5 / - 1.1					+ 0.5 / - 0.7				

CIE Pub.117, 201.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -5.6)

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: --



UTILIZATION FACTORS TABLE

Test:U:3.000V I:0.7800A P:2.340W PF:0 Freq:50.00Hz Lamp Flux:201.232x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 140x30x110mm	SERIAL No.:FTS20081902L-03
	SUR.:140mm	Shielding Angle:--

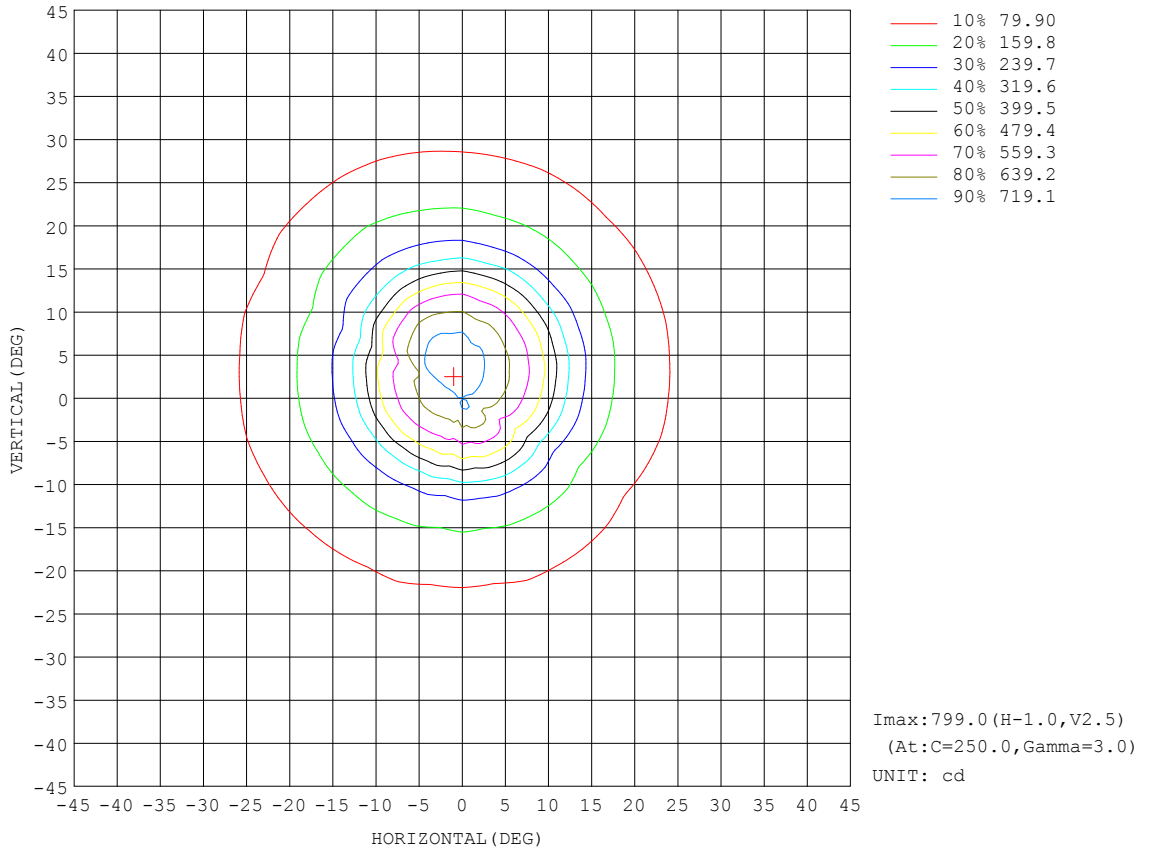
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	85	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	97	92	88	97	91	87	95	91	87	83
1.25	102	96	92	100	95	92	98	94	91	87
1.50	104	99	96	103	99	95	101	97	94	89
2.00	107	103	99	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	107	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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: --



ISOCANDELA DIAGRAM

Test:U:3.000V I:0.7800A P:2.340W PF:0 Freq:50.00Hz Lamp Flux:201.232x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 140x30x110mm	SERIAL No.:FTS20081902L-03
	SUR.:140mm	Shielding Angle:--



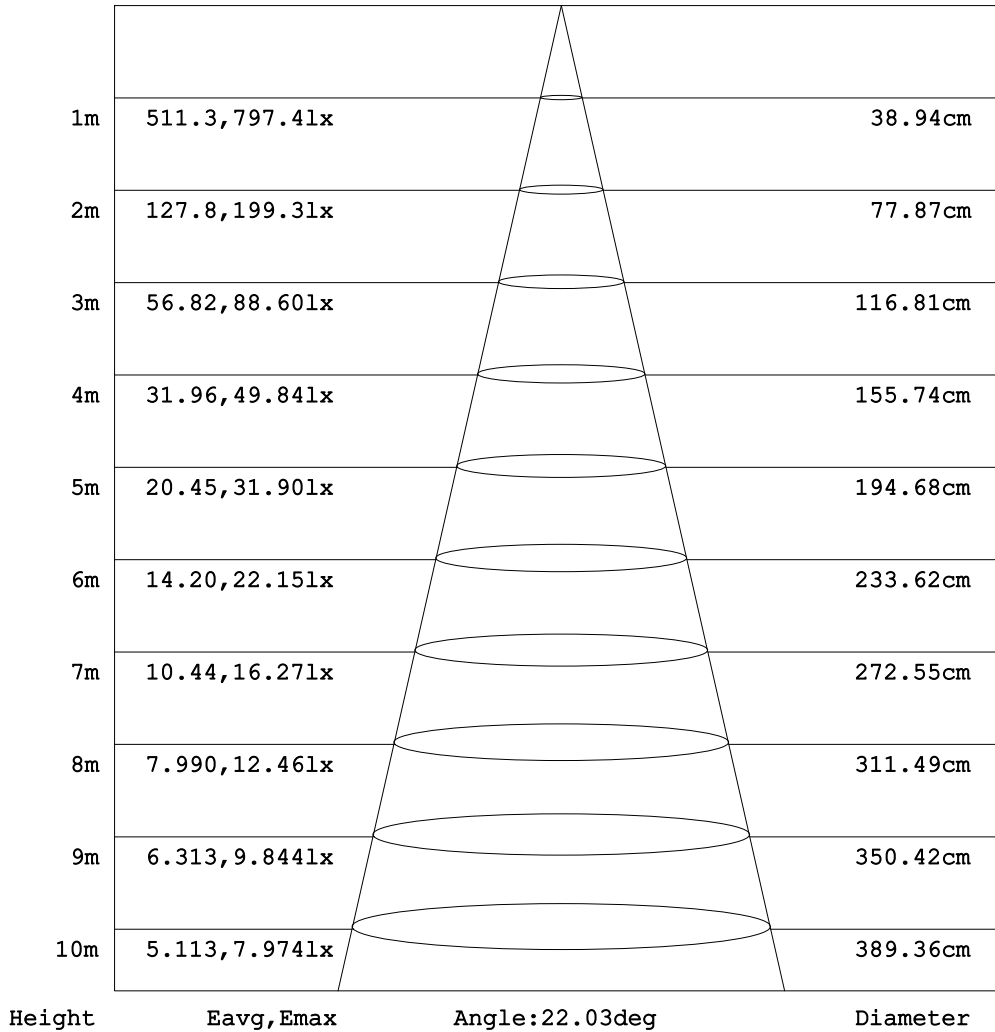
C Range: 0 - 360DEG γ Range: 0 - 180DEG
 C Interval: 10.0DEG γ Interval: 1.0DEG
 Test Speed: HIGH Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Temperature:25DEG Humidity:62%
 Operators:salah wei Test Distance:13.339m [K=1.0000]
 Test Date:2020-08-20 Remarks: --



AAI Figure

Test:U:3.000V I:0.7800A P:2.340W PF:0 Freq:50.00Hz Lamp Flux:201.232x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 140x30x110mm	SERIAL No.: FTS20081902L-03
	SUR.:140mm	Shielding Angle:--

Flux out:72.58 lm



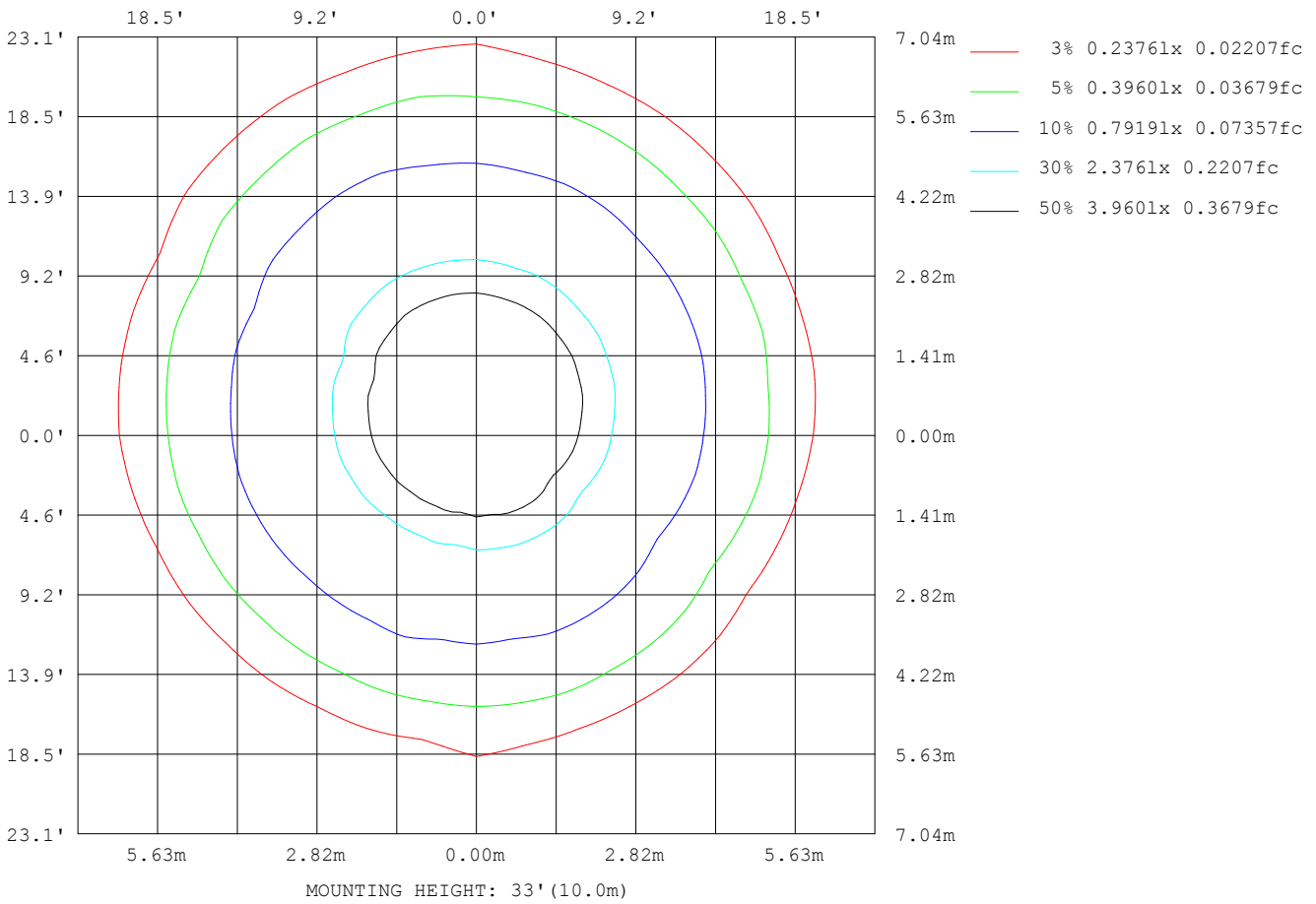
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: --



ISOLUX DIAGRAM

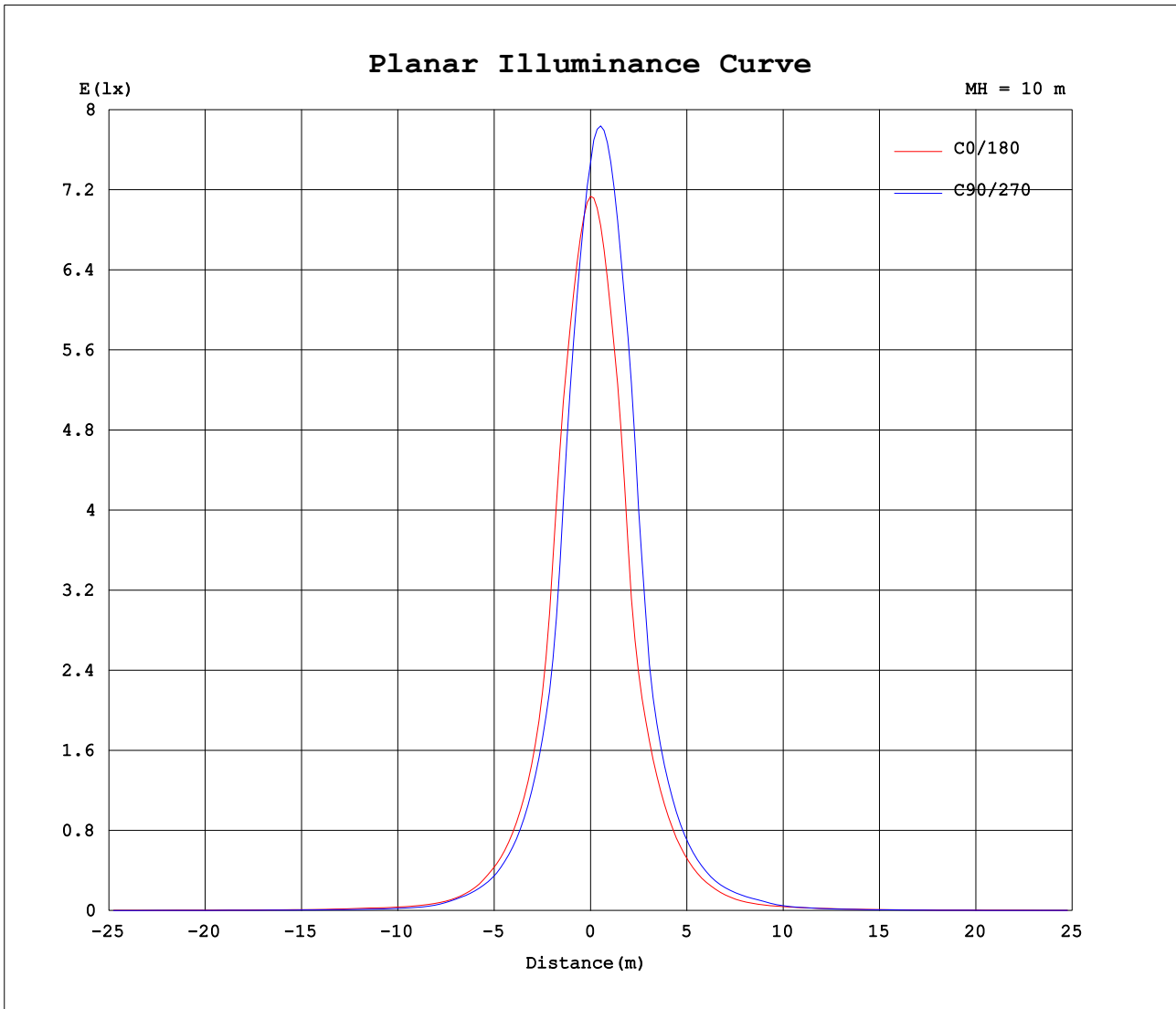
Test:U:3.000V I:0.7800A P:2.340W PF:0 Freq:50.00Hz Lamp Flux:201.232x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 140x30x110mm	SERIAL No.:FTS20081902L-03
	SUR.:140mm	Shielding Angle:--



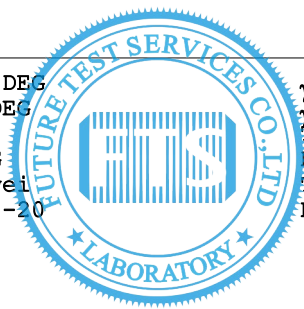
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:salah wei
 Test Date:2020-08-20
 γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.404.7
 Humidity:62%
 Test Distance:13.339m [K=1.0000]
 Remarks: --



Planar Illuminance Curve



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: --



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:3.000V I:0.7800A P:2.340W PF:0 Freq:50.00Hz Lamp Flux:201.232x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 140x30x110mm	SERIAL No.:FTS20081902L-03
	SUR.:140mm	Shielding Angle:--

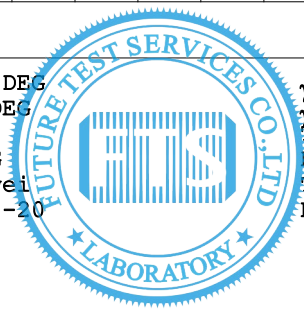
Table--1

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	714	712	705	676	740	748	762	757	741	747	714	728	716	715	715	717	719	719	714
5	623	609	587	553	591	595	590	588	565	576	547	565	561	572	581	598	612	629	639
10	426	401	367	334	345	337	333	319	311	307	290	306	306	324	337	365	387	421	447
15	210	200	186	171	179	176	173	171	165	169	163	172	174	184	192	203	211	225	235
20	121	114	106	97.6	102	103	102	101	95.6	98.4	95.9	104	104	108	112	121	128	137	144
25	70.9	68.1	61.9	56.4	58.9	58.6	57.7	59.1	57.6	57.5	57.4	58.9	59.3	62.8	66.2	71.3	76.2	82.8	86.0
30	40.9	36.8	33.5	30.8	31.7	31.3	30.1	29.7	30.8	34.6	28.8	30.6	31.3	33.8	35.8	39.1	41.7	46.0	49.9
35	22.7	20.2	18.1	16.3	16.9	16.5	15.6	15.3	16.0	20.6	14.5	15.2	15.9	17.5	18.7	20.6	22.8	25.6	28.4
40	13.8	12.5	11.3	10.4	10.8	10.4	9.92	9.38	8.95	9.76	8.76	9.07	9.64	10.5	11.5	12.2	13.1	14.5	16.3
45	10.0	9.03	8.46	7.84	7.83	7.20	6.75	6.52	5.98	6.21	6.14	6.34	6.69	7.39	7.96	8.86	9.26	10.1	11.3
50	8.52	7.31	6.11	5.55	5.82	5.56	5.18	5.07	4.64	4.68	4.77	4.83	5.21	5.52	5.79	6.39	7.08	7.79	8.78
55	6.04	5.59	4.90	4.35	4.54	4.73	4.50	4.21	3.81	3.83	3.94	4.00	4.48	4.37	4.50	5.03	5.47	5.92	6.41
60	4.94	4.42	4.00	3.57	3.89	4.03	3.67	3.41	3.11	3.11	3.15	3.25	3.57	3.72	3.89	4.00	4.28	4.84	5.23
65	4.32	3.55	3.19	2.97	3.11	3.11	2.89	2.63	2.41	2.41	2.43	2.61	2.79	2.91	3.15	3.32	3.46	4.06	4.66
70	3.71	2.71	2.34	2.11	2.23	2.21	2.03	1.83	1.69	1.70	1.68	1.80	1.89	2.06	2.15	2.30	2.58	3.31	4.06
75	2.95	1.88	1.49	1.28	1.39	1.30	1.16	1.05	0.96	0.97	0.94	1.00	1.04	1.18	1.26	1.38	1.64	2.33	3.25
80	1.90	1.03	0.73	0.57	0.62	0.51	0.44	0.37	0.34	0.32	0.31	0.33	0.37	0.44	0.51	0.60	0.76	1.26	2.01
85	0.77	0.29	0.13	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.32	0.68
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	0.01	0.02	0.04	0.06	0.10	0.09	0.10	0.07	0.08	0.04	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00
130	0.19	0.21	0.22	0.23	0.30	0.31	0.32	0.33	0.30	0.30	0.26	0.24	0.20	0.20	0.15	0.14	0.10	0.09	0.00
135	0.44	0.46	0.47	0.46	0.56	0.59	0.61	0.60	0.57	0.54	0.50	0.49	0.44	0.40	0.36	0.34	0.30	0.29	0.00
140	0.66	0.70	0.70	0.68	0.76	0.81	0.81	0.81	0.77	0.76	0.70	0.70	0.64	0.63	0.59	0.55	0.52	0.50	0.14
145	0.85	0.86	0.85	0.82	0.95	0.98	0.96	0.97	0.94	0.93	0.85	0.86	0.81	0.80	0.75	0.75	0.71	0.70	0.39
150	0.96	0.99	0.97	0.94	1.06	1.08	1.09	1.10	1.05	1.06	0.99	0.99	0.94	0.92	0.91	0.89	0.86	0.86	0.65
155	1.05	1.07	1.07	1.04	1.17	1.19	1.21	1.21	1.19	1.18	1.12	1.11	1.09	1.07	1.06	1.04	1.04	1.01	0.90
160	1.16	1.17	1.17	1.12	1.27	1.31	1.34	1.32	1.30	1.32	1.22	1.25	1.20	1.20	1.19	1.18	1.15	1.14	1.07
165	1.26	1.27	1.26	1.22	1.37	1.41	1.42	1.41	1.39	1.37	1.31	1.31	1.29	1.27	1.26	1.26	1.26	1.26	1.19
170	1.31	1.31	1.31	1.24	1.41	1.41	1.45	1.41	1.41	1.40	1.34	1.34	1.31	1.31	1.31	1.30	1.30	1.27	1.21
175	1.27	1.25	1.25	1.15	1.34	1.32	1.35	1.32	1.32	1.30	1.26	1.27	1.26	1.25	1.26	1.25	1.26	1.25	1.15
180	1.20	1.17	1.16	1.10	1.26	1.26	1.29	1.26	1.26	1.24	1.20	1.21	1.20	1.21	1.21	1.21	1.24	1.22	1.17

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: --



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:3.000V I:0.7800A P:2.340W PF:0 Freq:50.00Hz Lamp Flux:201.232x1 lm		
NAME: Solar flagpole lights	TYPE:--	WEIGHT:--
	DIM.: 140x30x110mm	SERIAL No.:FTS20081902L-03
	SUR.:140mm	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	712	705	676	740	748	762	757	741	747	714	728	716	715	715	717	719	719		
5	651	664	650	732	758	785	788	775	776	735	742	721	703	690	672	660	641		
10	473	503	505	584	612	643	648	643	641	613	609	589	563	544	515	491	454		
15	247	263	267	318	344	369	384	382	387	365	359	334	307	289	262	245	224		
20	151	161	162	188	199	207	204	201	198	188	183	175	164	157	146	138	128		
25	90.5	97.0	97.4	112	116	124	124	119	116	111	109	103	94.5	90.6	85.5	81.0	74.9		
30	53.1	56.1	55.9	65.2	68.0	71.9	72.2	72.1	68.8	66.9	63.7	60.0	55.9	53.1	48.7	46.5	43.7		
35	30.1	30.8	30.7	35.7	37.2	38.8	38.4	39.5	41.4	36.1	33.8	32.3	30.2	28.1	25.9	25.1	24.5		
40	16.9	17.7	17.5	19.6	19.9	20.9	20.4	21.2	27.1	18.7	17.6	17.0	16.0	15.8	15.4	15.1	15.0		
45	11.4	11.6	11.1	12.2	12.2	12.6	12.2	11.8	13.7	11.1	10.9	10.9	10.5	10.6	10.8	10.8	10.7		
50	8.86	8.96	7.99	8.53	8.93	9.11	8.97	8.45	8.15	7.87	8.10	8.02	7.72	7.57	7.99	8.44	8.73		
55	6.54	6.69	6.27	7.06	7.76	7.19	6.28	5.85	5.40	5.45	5.80	6.49	6.85	6.08	5.92	6.40	6.38		
60	5.20	5.22	5.23	6.10	5.74	5.10	4.45	4.31	3.97	4.06	4.20	4.65	5.43	5.29	5.03	5.03	5.09		
65	4.30	4.17	4.17	4.69	4.13	3.91	3.51	3.40	3.22	3.28	3.29	3.56	3.89	4.22	4.12	4.04	4.29		
70	3.44	3.14	3.15	3.50	3.14	2.97	2.79	2.67	2.60	2.59	2.55	2.66	2.78	3.14	3.07	2.98	3.48		
75	2.39	2.11	2.06	2.31	2.20	2.12	2.08	2.00	2.00	1.92	1.86	1.87	1.95	2.14	2.06	2.03	2.53		
80	1.32	1.13	1.11	1.32	1.31	1.30	1.33	1.29	1.33	1.27	1.23	1.18	1.21	1.27	1.19	1.16	1.52		
85	0.40	0.36	0.38	0.51	0.58	0.60	0.62	0.62	0.64	0.61	0.60	0.55	0.55	0.52	0.45	0.42	0.58		
90	0.00	0.00	0.00	0.00	0.06	0.10	0.11	0.11	0.12	0.10	0.11	0.07	0.05	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	0.11	0.10	0.06	0.06	0.05	0.05	0.04	0.05	0.04	0.04	0.05	0.06	0.06	0.10	0.10	0.15	0.15		
145	0.34	0.30	0.25	0.26	0.26	0.26	0.26	0.24	0.22	0.24	0.24	0.28	0.26	0.30	0.32	0.35	0.39		
150	0.60	0.58	0.50	0.54	0.56	0.54	0.54	0.50	0.51	0.51	0.51	0.54	0.52	0.58	0.60	0.64	0.65		
155	0.86	0.84	0.76	0.79	0.84	0.84	0.82	0.78	0.77	0.78	0.79	0.79	0.79	0.84	0.84	0.89	0.90		
160	1.04	1.02	0.94	0.99	1.05	1.06	1.06	1.01	1.01	1.00	1.00	1.02	1.00	1.04	1.04	1.07	1.10		
165	1.17	1.16	1.07	1.11	1.21	1.20	1.22	1.15	1.15	1.14	1.15	1.14	1.12	1.16	1.16	1.21	1.21		
170	1.22	1.20	1.12	1.17	1.29	1.27	1.29	1.24	1.24	1.20	1.24	1.21	1.20	1.21	1.24	1.22	1.22		
175	1.16	1.14	1.10	1.12	1.26	1.25	1.30	1.22	1.25	1.20	1.24	1.21	1.21	1.20	1.20	1.20	1.21		
180	1.17	1.16	1.09	1.09	1.26	1.26	1.29	1.21	1.22	1.19	1.22	1.22	1.21	1.21	1.21	1.21	1.21		

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: --

