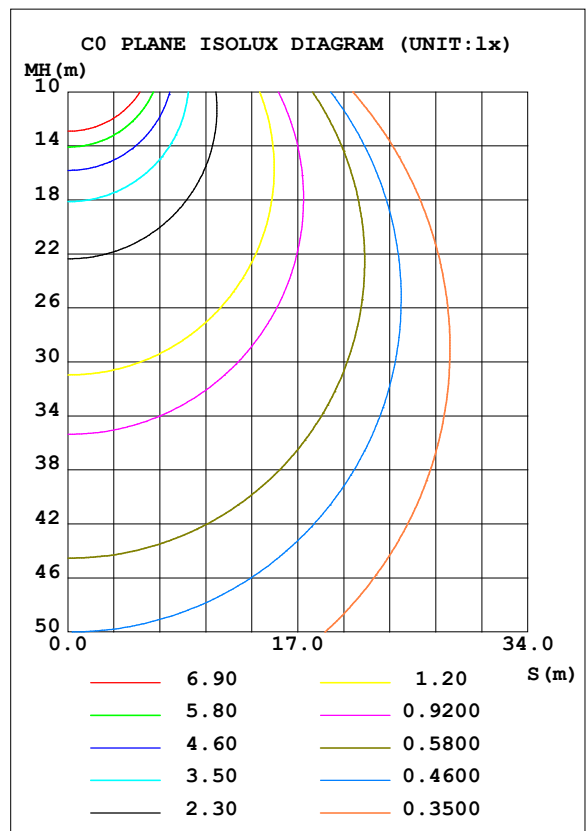
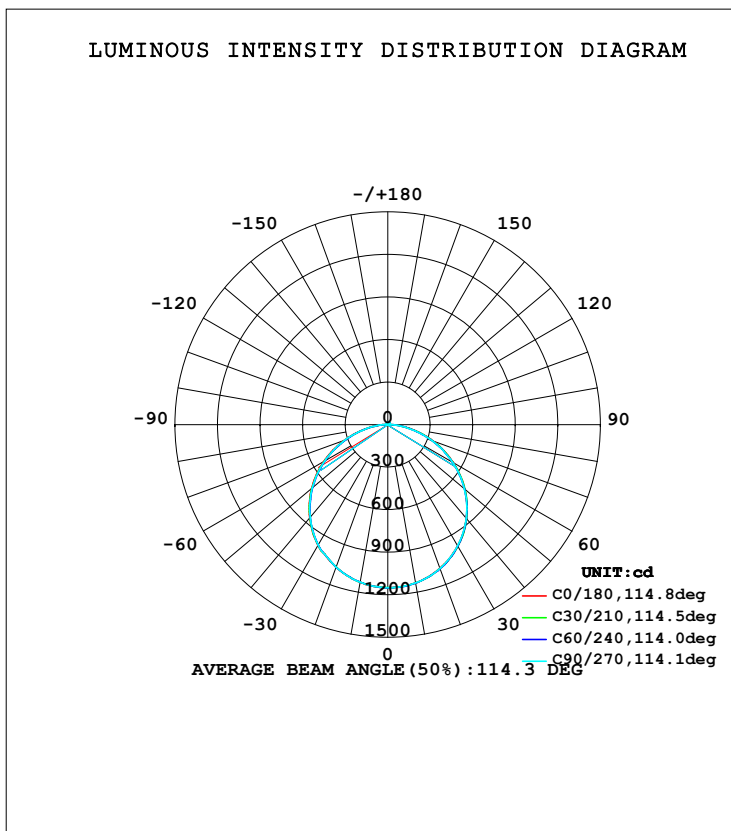


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.1074A P:22.11W PF:0.9388 Lamp Flux:3444.17x1 lm		
NAME: Panel-22W	TYPE:Panel Light	WEIGHT:2.8
SPEC.:LED2835-5700K-80CRI	DIM.: 600*600	SERIAL No.:1
MFR.: STEMOD	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.75 lm/W			
MODEL	5700K_80CRI	I <sub>max</sub> (cd)	1151	S/MH (C0/180)	1.27
NOMINAL POWER (W)	22	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3444.2	η UP, DN (C0-180)	1.0, 49.5
NOMINAL FLUX (lm)	3444.17	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.1, 48.4
LAMPS INSIDE	1	η up (%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	97.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: lls  
 Test Date: 2019-06-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 5.900m [K=1.0000]  
 Remarks: 0.53A

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1133	1135	1133	1132	1129	1127	1129	1129	0- 10	108.9	108.9	3.16,3.16
20	1078	1082	1079	1076	1070	1066	1069	1071	10- 20	312.5	421.3	12.2,12.2
30	986.3	1002	987.0	994.0	984.3	969.6	981.9	974.8	20- 30	476.0	897.4	26.1,26.1
40	862.4	876.8	861.5	866.9	856.6	840.5	852.2	845.3	30- 40	578.9	1476	42.9,42.9
50	709.4	719.7	706.0	708.9	701.2	682.4	695.1	687.5	40- 50	603.9	2080	60.4,60.4
60	531.8	536.7	525.6	527.2	521.9	502.8	514.9	507.7	50- 60	548.4	2628	76.3,76.3
70	343.1	338.1	334.9	330.9	328.6	314.4	322.6	319.2	60- 70	421.1	3050	88.5,88.5
80	153.8	151.8	143.4	147.0	144.1	136.8	140.9	142.0	70- 80	246.9	3296	95.7,95.7
90	9.378	9.960	7.449	8.984	9.285	9.614	9.586	10.32	80- 90	76.30	3373	97.9,97.9
100	8.566	8.524	8.267	8.542	10.18	10.24	9.985	10.16	90-100	9.813	3383	98.2,98.2
110	9.622	9.498	9.433	9.521	11.04	11.04	10.96	10.93	100-110	10.34	3393	98.5,98.5
120	10.60	10.48	10.45	10.47	11.77	11.74	11.72	11.65	110-120	10.59	3404	98.8,98.8
130	11.53	11.44	11.42	11.39	12.49	12.43	12.44	12.36	120-130	10.31	3414	99.1,99.1
140	12.54	12.46	12.44	12.38	13.29	13.25	13.25	13.18	130-140	9.571	3423	99.4,99.4
150	13.58	13.52	13.49	13.46	14.22	14.19	14.16	14.12	140-150	8.361	3432	99.6,99.6
160	14.67	14.55	14.55	14.53	15.15	15.09	15.02	15.00	150-160	6.622	3438	99.8,99.8
170	15.48	15.33	15.32	15.35	15.72	15.67	15.53	15.61	160-170	4.292	3443	100,100
180	15.88	15.80	15.69	15.78	15.88	15.80	15.69	15.77	170-180	1.490	3444	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

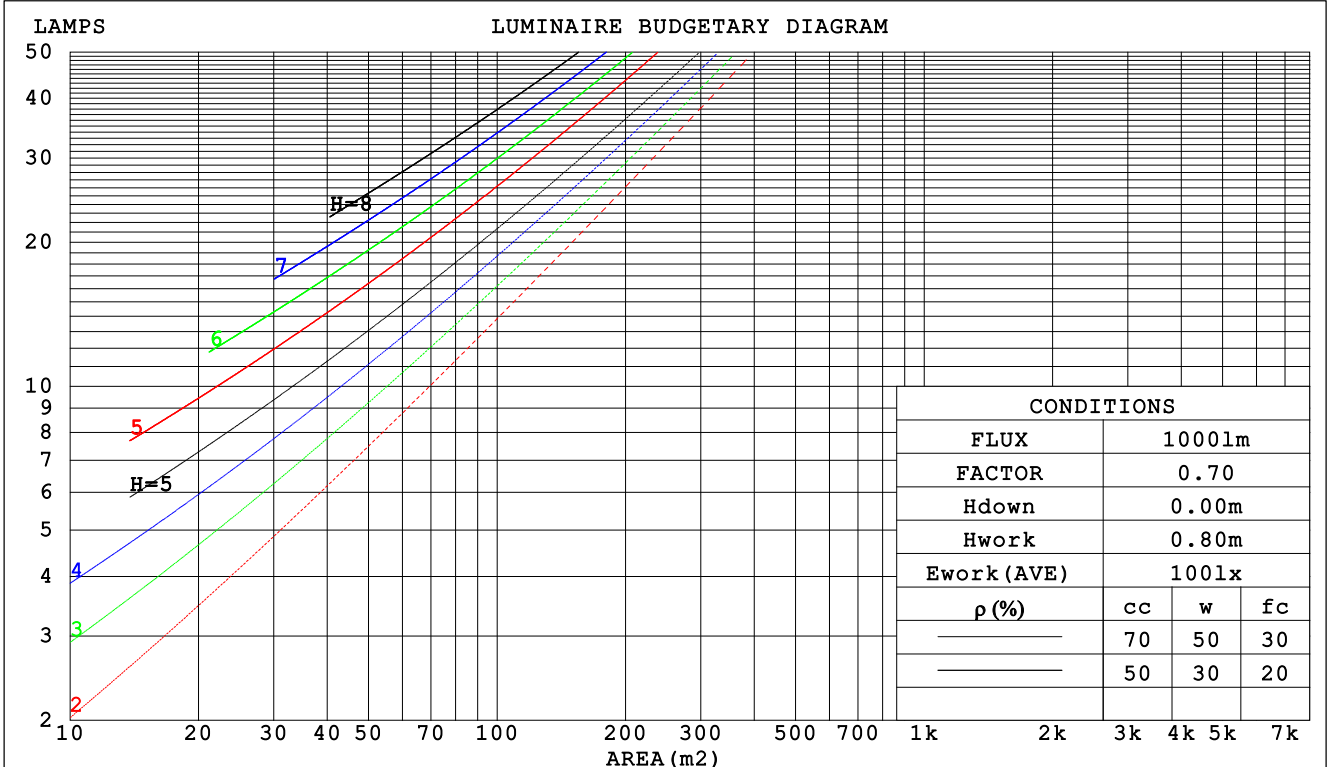
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:lls  
Test Date:2019-06-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
Humidity:65.0%  
Test Distance:5.900m [K=1.0000]  
Remarks: 0.53A

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.3V I:0.1074A P:22.11W PF:0.9388 Lamp Flux:3444.17x1 lm		
NAME: Panel-22W	TYPE:Panel Light	WEIGHT:2.8
SPEC.:LED2835-5700K-80CRI	DIM.: 600*600	SERIAL No.:1
MFR.: STEMOD	SUR.:	PROTECTION 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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.67
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.70	.65	.60	.68	.63	.59	.57
4.0	.69	.61	.54	.68	.60	.53	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.48	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.42	.35	.50	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.32	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:lls  
 Test Date:2019-06-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:5.900m [K=1.0000]  
 Remarks: 0.53A

WEC AND CCEC

Test:U:219.3V I:0.1074A P:22.11W PF:0.9388 Lamp Flux:3444.17x1 lm		
NAME: Panel-22W	TYPE:Panel Light	WEIGHT:2.8
SPEC.:LED2835-5700K-80CRI	DIM.: 600*600	SERIAL No.:1
MFR.: STEMOD	SUR.:	PROTECTION 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	.315	.179	.057	.307	.175	.056	.293	.168	.054	.279	.161	.052	.267	.155	.050	
2.0	.295	.161	.050	.288	.159	.049	.275	.153	.047	.263	.148	.046	.252	.143	.045	
3.0	.272	.145	.043	.266	.142	.043	.255	.138	.042	.244	.134	.041	.234	.130	.040	
4.0	.251	.130	.038	.245	.128	.038	.235	.125	.037	.226	.121	.037	.217	.118	.036	
5.0	.231	.118	.034	.227	.116	.034	.218	.113	.033	.209	.110	.033	.201	.108	.032	
6.0	.214	.107	.031	.210	.106	.031	.202	.104	.030	.194	.101	.030	.187	.099	.029	
7.0	.199	.099	.028	.196	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025	
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.160	.080	.023	.154	.078	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.073	.021	

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	.206	.206	.206	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.197	.172	.150	.168	.148	.129	.115	.102	.089	.066	.059	.052	.021	.019	.017	
2.0	.189	.148	.114	.162	.127	.098	.111	.088	.069	.064	.051	.040	.020	.017	.013	
3.0	.181	.130	.090	.155	.113	.078	.107	.078	.055	.062	.046	.032	.020	.015	.011	
4.0	.173	.117	.074	.149	.101	.065	.102	.071	.045	.059	.041	.027	.019	.013	.009	
5.0	.166	.107	.063	.143	.092	.055	.098	.065	.039	.057	.038	.023	.018	.012	.008	
6.0	.159	.099	.055	.136	.085	.048	.094	.060	.034	.055	.035	.020	.018	.011	.007	
7.0	.152	.092	.049	.131	.079	.043	.090	.056	.031	.052	.033	.018	.017	.011	.006	
8.0	.145	.086	.045	.125	.075	.039	.087	.052	.028	.050	.031	.017	.016	.010	.005	
9.0	.139	.081	.042	.120	.070	.036	.083	.049	.026	.048	.029	.015	.016	.010	.005	
10.0	.134	.077	.039	.115	.067	.034	.080	.047	.024	.047	.028	.014	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:lls  
 Test Date:2019-06-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:5.900m [K=1.0000]  
 Remarks: 0.53A

UGR(Unified Glare Rating) Table

Test:U:219.3V I:0.1074A P:22.11W PF:0.9388 Lamp Flux:3444.17x1 lm										
NAME: Panel-22W					TYPE:Panel Light			WEIGHT:2.8		
SPEC.:LED2835-5700K-80CRI					DIM.: 600*600			SERIAL No.:1		
MFR.: STEMOD					SUR.:			PROTECTION 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	17.4	18.9	17.7	19.1	19.4	17.3	18.8	17.6	19.1	19.3
3H	19.0	20.4	19.3	20.6	20.9	18.9	20.3	19.2	20.5	20.8
4H	19.6	21.0	20.0	21.2	21.5	19.5	20.8	19.8	21.1	21.4
6H	20.1	21.4	20.5	21.7	22.0	19.9	21.2	20.3	21.5	21.8
8H	20.3	21.5	20.7	21.8	22.2	20.1	21.3	20.5	21.6	21.9
12H	20.4	21.6	20.8	21.9	22.3	20.2	21.3	20.6	21.7	22.0
4H 2H	18.0	19.3	18.3	19.6	19.9	17.9	19.3	18.3	19.5	19.8
3H	19.8	20.9	20.1	21.2	21.6	19.7	20.8	20.1	21.2	21.5
4H	20.5	21.6	21.0	22.0	22.3	20.4	21.5	20.8	21.8	22.2
6H	21.2	22.1	21.6	22.5	22.9	21.0	21.9	21.4	22.3	22.7
8H	21.4	22.3	21.9	22.7	23.1	21.2	22.1	21.6	22.5	22.9
12H	21.6	22.4	22.0	22.8	23.3	21.3	22.1	21.8	22.6	23.0
8H 4H	20.8	21.7	21.3	22.1	22.5	20.7	21.6	21.1	22.0	22.4
6H	21.6	22.3	22.1	22.8	23.2	21.4	22.2	21.9	22.6	23.1
8H	21.9	22.6	22.4	23.0	23.5	21.7	22.4	22.2	22.8	23.3
12H	22.2	22.8	22.7	23.2	23.8	22.0	22.5	22.5	23.0	23.5
12H 4H	20.8	21.6	21.3	22.0	22.5	20.7	21.5	21.2	21.9	22.4
6H	21.7	22.3	22.2	22.8	23.3	21.5	22.1	22.0	22.6	23.1
8H	22.0	22.6	22.6	23.1	23.6	21.8	22.4	22.4	22.9	23.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 3444 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.3)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:lls  
 Test Date:2019-06-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:5.900m [K=1.0000]  
 Remarks: 0.53A

## UTILIZATION FACTORS TABLE

Test:U:219.3V I:0.1074A P:22.11W PF:0.9388 Lamp Flux:3444.17x1 lm		
NAME: Panel-22W	TYPE:Panel Light	WEIGHT:2.8
SPEC.:LED2835-5700K-80CRI	DIM.: 600*600	SERIAL No.:1
MFR.: STEMOD	SUR.:	PROTECTION 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	56	45	38	56	44	38	54	44	37	31
0.80	66	55	47	65	54	47	63	53	47	39
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	70	64	77	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	92	85	81	72
3.00	101	94	89	99	93	87	95	89	85	76
4.00	105	99	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	100	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:lls  
 Test Date:2019-06-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:5.900m [K=1.0000]  
 Remarks: 0.53A

ISOCANDELA DIAGRAM

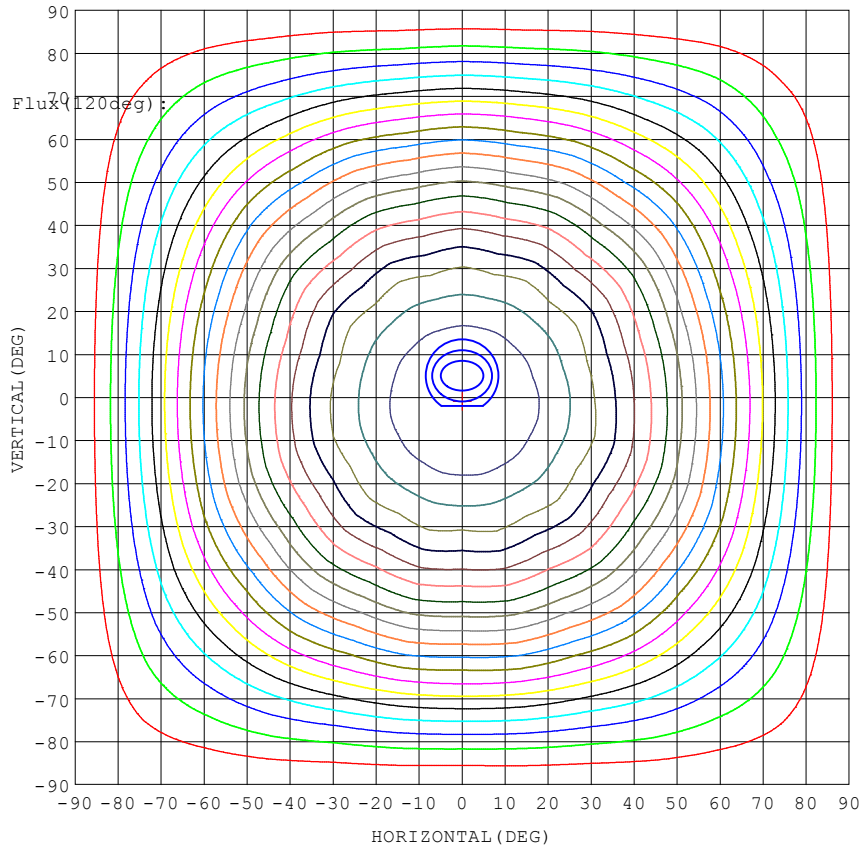
Test:U:219.3V I:0.1074A P:22.11W PF:0.9388 Lamp Flux:3444.17x1 lm		
NAME: Panel-22W	TYPE:Panel Light	WEIGHT:2.8
SPEC.:LED2835-5700K-80CRI	DIM.: 600*600	SERIAL No.:1
MFR.: STEMOD	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

1780.1 lm  
 %lum = 51.7%  
 %lamp = 51.7%

Conical surface Flux(20deg):

2628.5 lm  
 %lum = 76.3%  
 %lamp = 76.3%



- 5% 57.53
- 10% 115.1
- 15% 172.6
- 20% 230.1
- 25% 287.6
- 30% 345.2
- 35% 402.7
- 40% 460.2
- 45% 517.8
- 50% 575.3
- 55% 632.8
- 60% 690.4
- 65% 747.9
- 70% 805.4
- 75% 862.9
- 80% 920.5
- 85% 978.0
- 90% 1036
- 95% 1093

- 1. AVG=1142,MIN=1134
- 2. AVG=1140,MIN=1124
- 3. AVG=1136,MIN=1112

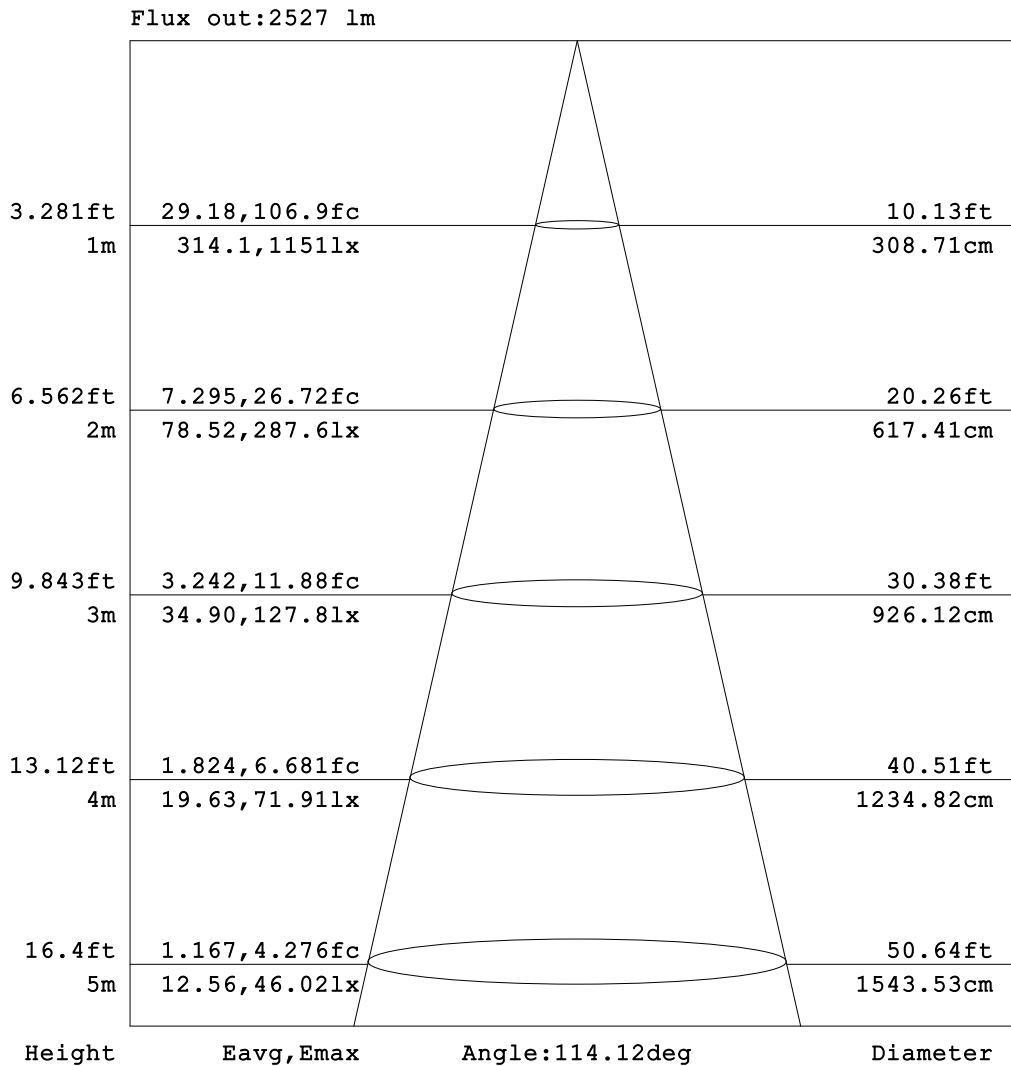
Imax:1151(H0.0,V-1.0)  
 (At:C=15.0,Gamma=2.0)  
 UNIT: cd

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:lls  
 Test Date:2019-06-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:5.900m [K=1.0000]  
 Remarks: 0.53A

AAI Figure

Test:U:219.3V I:0.1074A P:22.11W PF:0.9388 Lamp Flux:3444.17x1 lm		
NAME: Panel-22W	TYPE:Panel Light	WEIGHT:2.8
SPEC.:LED2835-5700K-80CRI	DIM.: 600*600	SERIAL No.:1
MFR.: STEMOD	SUR.:	PROTECTION ANGLE:



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

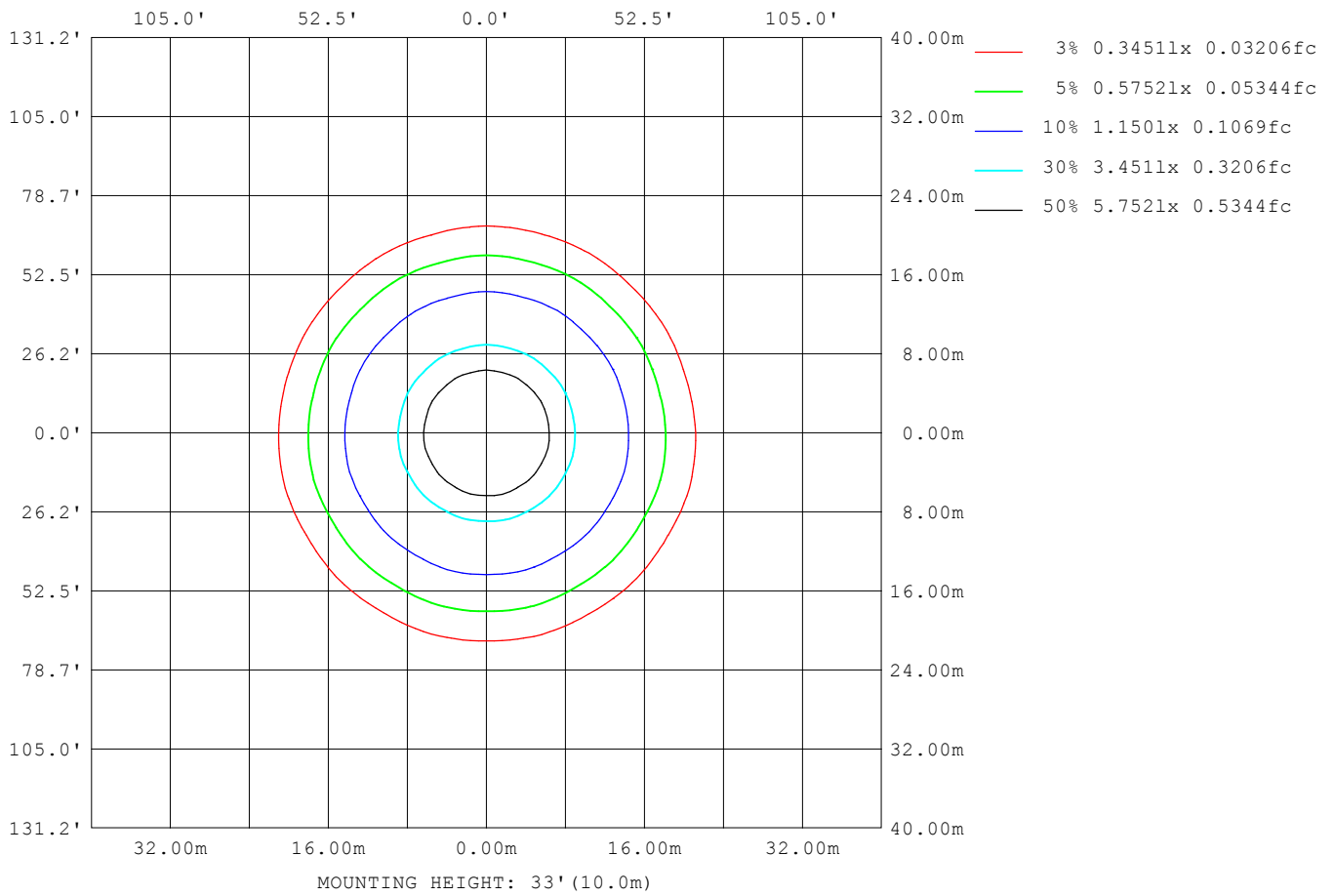
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:lls  
 Test Date:2019-06-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:5.900m [K=1.0000]  
 Remarks: 0.53A



ISOLUX DIAGRAM

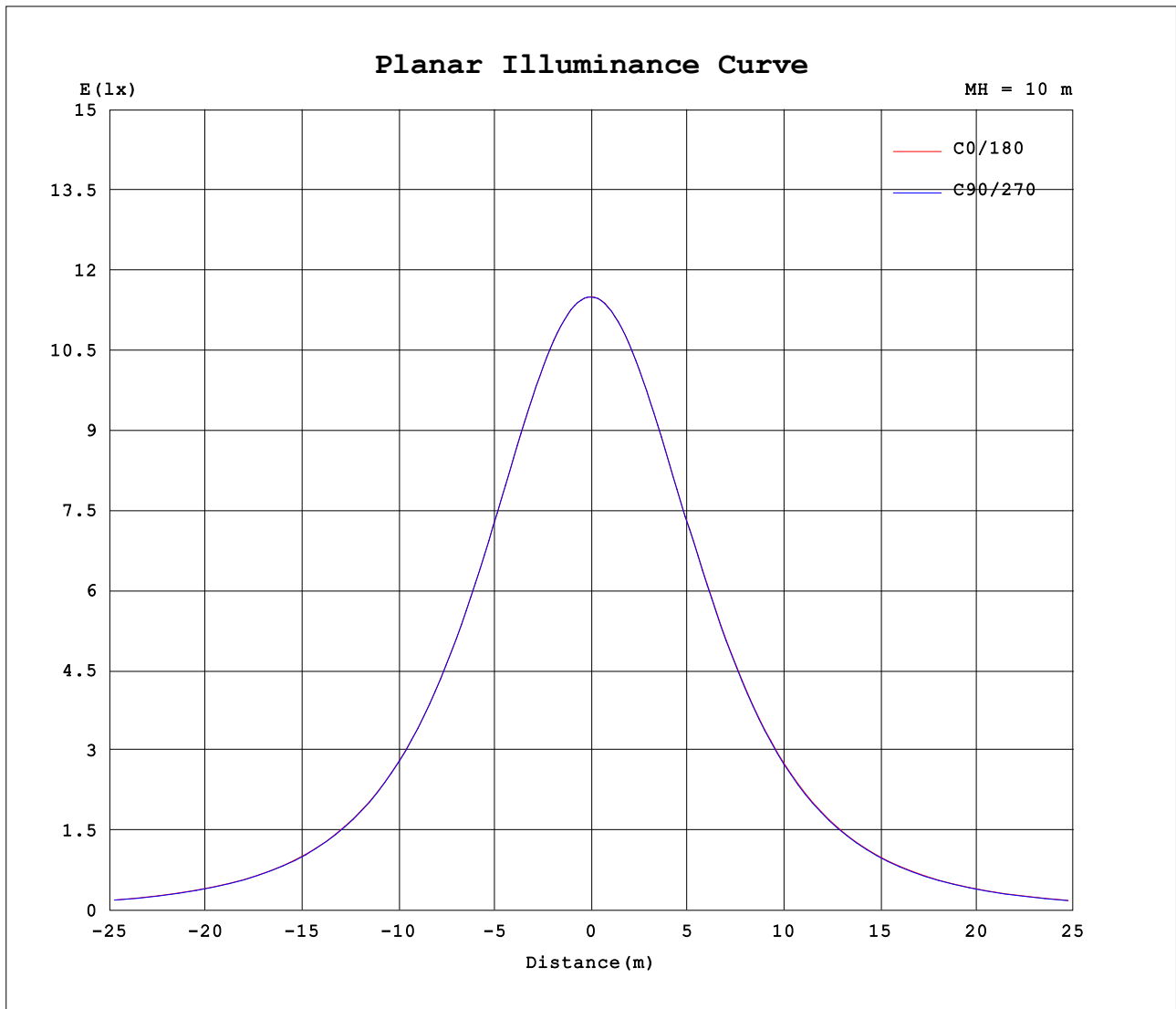
Test:U:219.3V I:0.1074A P:22.11W PF:0.9388 Lamp Flux:3444.17x1 lm		
NAME: Panel-22W	TYPE:Panel Light	WEIGHT:2.8
SPEC.:LED2835-5700K-80CRI	DIM.: 600*600	SERIAL No.:1
MFR.: STEMOD	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:lls  
 Test Date:2019-06-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:5.900m [K=1.0000]  
 Remarks: 0.53A

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: lls  
Test Date: 2019-06-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
Humidity: 65.0%  
Test Distance: 5.900m [K=1.0000]  
Remarks: 0.53A

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.1074A P:22.11W PF:0.9388 Lamp Flux:3444.17x1 lm		
NAME: Panel-22W	TYPE:Panel Light	WEIGHT:2.8
SPEC.:LED2835-5700K-80CRI	DIM.: 600*600	SERIAL No.:1
MFR.: STEMOD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1150	1150	1150	1150	1151	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1151	1150	1150
5	1147	1148	1147	1147	1147	1147	1147	1147	1146	1145	1145	1145	1144	1144	1144	1143	1144	1143	1144
10	1133	1135	1134	1135	1135	1135	1133	1134	1132	1132	1130	1131	1129	1127	1128	1127	1128	1128	1129
15	1110	1112	1112	1113	1112	1113	1111	1111	1109	1108	1106	1106	1103	1101	1102	1101	1103	1102	1103
20	1078	1081	1080	1082	1081	1082	1079	1079	1077	1076	1073	1073	1070	1067	1068	1066	1069	1066	1069
25	1037	1040	1039	1042	1039	1041	1038	1038	1034	1035	1032	1032	1027	1023	1025	1023	1025	1022	1025
30	986	1001	990	1002	990	1000	987	997	983	994	981	991	984	972	983	970	981	969	982
35	928	943	933	944	930	942	928	938	924	935	922	932	924	912	923	909	920	907	921
40	862	877	866	877	863	874	862	870	856	867	855	865	857	845	855	840	850	839	852
45	789	804	792	802	788	801	787	796	781	792	780	792	782	771	780	765	774	763	777
50	709	723	711	720	707	718	706	714	700	709	699	711	701	690	698	682	692	681	695
55	623	637	624	631	619	630	618	626	612	621	611	624	614	604	610	595	604	595	608
60	532	544	530	537	526	536	526	532	519	527	518	531	522	513	516	503	511	503	515
65	437	447	434	438	431	437	431	434	425	430	424	434	426	421	419	413	415	410	419
70	343	348	338	338	334	338	335	335	329	331	328	336	329	325	320	314	318	316	323
75	245	250	241	241	235	239	236	236	231	234	234	241	233	230	228	221	223	221	228
80	154	158	151	152	145	145	143	144	139	147	146	151	144	141	142	137	138	134	141
85	73.0	74.8	70.8	71.6	67.8	68.0	65.2	67.1	64.4	68.7	67.6	71.1	64.4	62.7	64.3	62.6	64.6	62.8	66.5
90	9.38	11.1	8.99	9.96	8.50	8.98	7.45	8.64	8.20	8.98	8.29	9.77	9.29	9.45	9.50	9.61	9.65	9.54	9.59
95	8.07	8.14	8.24	8.21	8.09	7.94	7.69	7.94	8.05	8.17	8.20	8.11	9.72	9.81	9.85	9.88	9.80	9.70	9.50
100	8.57	8.57	8.60	8.52	8.40	8.29	8.27	8.31	8.41	8.54	8.63	8.60	10.2	10.2	10.2	10.2	10.1	10.1	9.98
105	9.11	9.05	9.05	8.97	8.95	8.86	8.87	8.88	8.96	9.00	9.11	9.12	10.6	10.7	10.6	10.6	10.6	10.5	10.5
110	9.62	9.56	9.55	9.50	9.48	9.41	9.43	9.43	9.49	9.52	9.59	9.62	11.0	11.1	11.0	11.0	11.0	11.0	11.0
115	10.1	10.1	10.0	9.99	9.98	9.93	9.96	9.93	9.98	10.0	10.1	10.1	11.4	11.4	11.4	11.4	11.4	11.3	11.4
120	10.6	10.5	10.5	10.5	10.5	10.4	10.5	10.4	10.4	10.5	10.5	10.6	11.8	11.8	11.7	11.7	11.7	11.7	11.7
125	11.1	11.0	11.0	11.0	10.9	10.9	10.9	10.9	10.9	10.9	11.0	11.0	12.1	12.1	12.1	12.1	12.0	12.0	12.1
130	11.5	11.5	11.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.5	12.5	12.5	12.4	12.4	12.4	12.4	12.4
135	12.0	12.0	12.0	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	12.0	12.9	12.9	12.8	12.8	12.8	12.8	12.8
140	12.5	12.5	12.5	12.5	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.5	13.3	13.3	13.3	13.2	13.2	13.2	13.2
145	13.1	13.1	13.0	13.0	13.0	12.9	13.0	12.9	12.9	12.9	13.0	13.0	13.7	13.7	13.7	13.7	13.7	13.7	13.7
150	13.6	13.6	13.6	13.5	13.5	13.5	13.5	13.4	13.4	13.5	13.5	13.6	14.2	14.2	14.2	14.2	14.2	14.2	14.2
155	14.1	14.2	14.1	14.1	14.0	14.0	14.0	14.0	14.0	14.0	14.1	14.1	14.7	14.7	14.7	14.7	14.6	14.6	14.6
160	14.7	14.7	14.6	14.5	14.5	14.5	14.6	14.5	14.5	14.5	14.6	14.7	15.1	15.1	15.1	15.1	15.0	15.0	15.0
165	15.1	15.1	15.0	15.0	15.0	15.0	15.0	14.9	14.9	15.0	15.1	15.1	15.5	15.4	15.4	15.4	15.4	15.3	15.3
170	15.5	15.4	15.3	15.3	15.4	15.4	15.3	15.3	15.3	15.3	15.4	15.4	15.7	15.6	15.6	15.7	15.6	15.6	15.5
175	15.7	15.7	15.6	15.6	15.6	15.6	15.6	15.5	15.5	15.6	15.7	15.6	15.9	15.7	15.7	15.8	15.8	15.7	15.7
180	15.9	15.8	15.8	15.8	15.8	15.7	15.7	15.7	15.7	15.8	15.8	15.7	15.9	15.8	15.8	15.8	15.8	15.7	15.7

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:lls  
 Test Date:2019-06-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:5.900m [K=1.0000]  
 Remarks: 0.53A

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.1074A P:22.11W PF:0.9388 Lamp Flux:3444.17x1 lm		
NAME: Panel-22W	TYPE:Panel Light	WEIGHT:2.8
SPEC.:LED2835-5700K-80CRI	DIM.: 600*600	SERIAL No.:1
MFR.: STEMOD	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1150	1150	1150	1150	1150														
5	1144	1144	1144	1145	1144														
10	1128	1130	1129	1131	1130														
15	1103	1105	1105	1107	1106														
20	1068	1071	1071	1073	1072														
25	1024	1028	1027	1031	1030														
30	971	985	975	990	979														
35	911	924	914	930	920														
40	842	855	845	861	853														
45	767	779	770	786	779														
50	685	697	687	703	697														
55	598	609	600	614	610														
60	506	516	508	520	517														
65	416	419	415	423	422														
70	319	322	319	326	328														
75	224	227	227	234	233														
80	137	141	142	147	144														
85	64.3	66.9	66.6	68.7	65.4														
90	9.70	10.2	10.3	10.2	9.77														
95	9.70	9.80	9.97	9.97	9.80														
100	10.1	10.1	10.2	10.2	10.1														
105	10.5	10.5	10.5	10.5	10.5														
110	11.0	10.9	10.9	10.9	10.9														
115	11.3	11.3	11.3	11.3	11.2														
120	11.7	11.7	11.6	11.6	11.6														
125	12.0	12.0	12.0	12.0	11.9														
130	12.4	12.4	12.4	12.3	12.3														
135	12.8	12.8	12.8	12.7	12.7														
140	13.2	13.2	13.2	13.1	13.2														
145	13.7	13.6	13.6	13.6	13.6														
150	14.1	14.1	14.1	14.1	14.1														
155	14.6	14.6	14.6	14.6	14.6														
160	15.1	15.0	15.0	15.0	15.0														
165	15.3	15.4	15.3	15.3	15.3														
170	15.6	15.6	15.6	15.5	15.6														
175	15.7	15.7	15.7	15.7	15.7														
180	15.7	15.7	15.8	15.8	15.7														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:lls  
 Test Date:2019-06-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:5.900m [K=1.0000]  
 Remarks: 0.53A