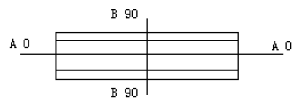
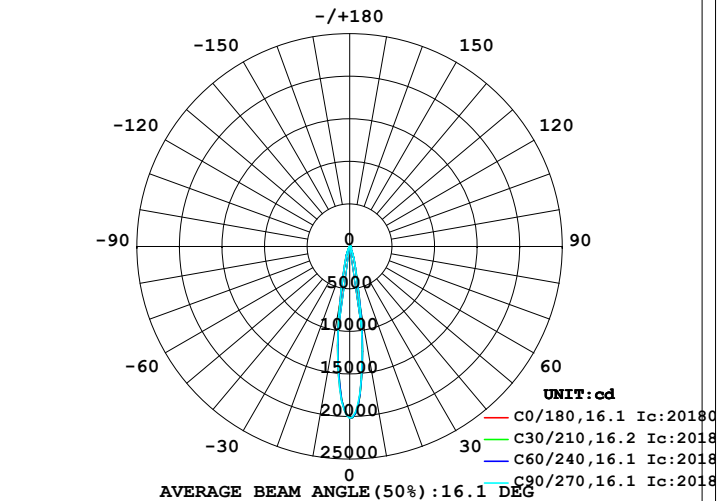


## LUMINAIRE PHOTOMETRIC TEST REPORT

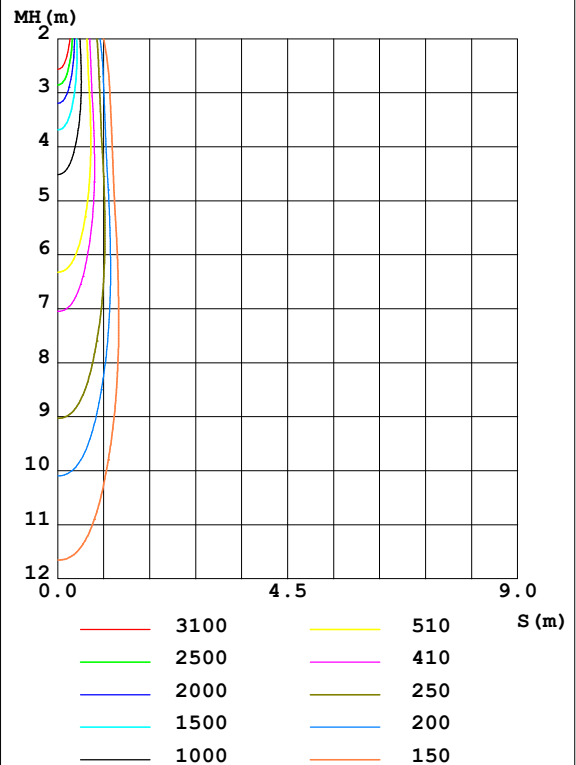
Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm		
NAME: ALT70-27G30-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:60	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 90.39 lm/W			
MODEL		Imax(cd)	20180	S/MH(C0/180)	0.27
NOMINAL POWER(W)	27	LOR(%)	100.0	S/MH(C90/270)	0.27
RATED VOLTAGE(V)	226	TOTAL FLUX(lm)	2467.6	$\eta$ UP,DN(C0-180)	0.0,51.3
NOMINAL FLUX(lm)	2467.61	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,48.7
LAMPS INSIDE	1	$\eta$ up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	225.1	$\eta$ down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2019-11-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [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	707.2	752.9	713.9	707.0	678.5	634.8	670.0	670.9	0- 10	1189	1189	48.2, 48.2
20	137.3	139.7	136.5	132.1	125.7	117.8	127.5	130.7	10- 20	782.3	1972	79.9, 79.9
30	30.80	31.55	29.95	30.00	26.61	25.56	27.83	30.21	20- 30	310.2	2282	92.5, 92.5
40	9.079	9.066	8.894	8.974	8.428	8.240	8.624	9.061	30- 40	100.8	2383	96.6, 96.6
50	4.156	4.112	4.150	4.309	4.134	4.106	4.293	4.393	40- 50	46.26	2429	98.4, 98.4
60	1.229	1.316	1.271	1.184	1.168	1.054	1.207	1.183	50- 60	25.73	2455	99.5, 99.5
70	0.4759	0.4697	0.5110	0.4501	0.4909	0.5062	0.5035	0.5128	60- 70	7.054	2462	99.8, 99.8
80	0.2219	0.2213	0.2506	0.2171	0.2100	0.2147	0.2159	0.2243	70- 80	3.729	2466	99.9, 99.9
90	0.2270	0.2235	0.2253	0.2264	0.1150	0.1208	0.1132	0.1211	80- 90	1.959	2468	100, 100
100	0	0	0	0	0	0	0	0	90-100	0.0941	2468	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	2468	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	2468	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	2468	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	2468	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	2468	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	2468	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	2468	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	2468	100, 100
DEG	LUMINOUS INTENSITY: *10cd									UNIT: lm		

Conical surface Flux(90deg): 2409.1 lm

%lum = 97.6%

%lamp = 97.6%

Conical surface Flux(120deg): 2454.8 lm

%lum = 99.5%

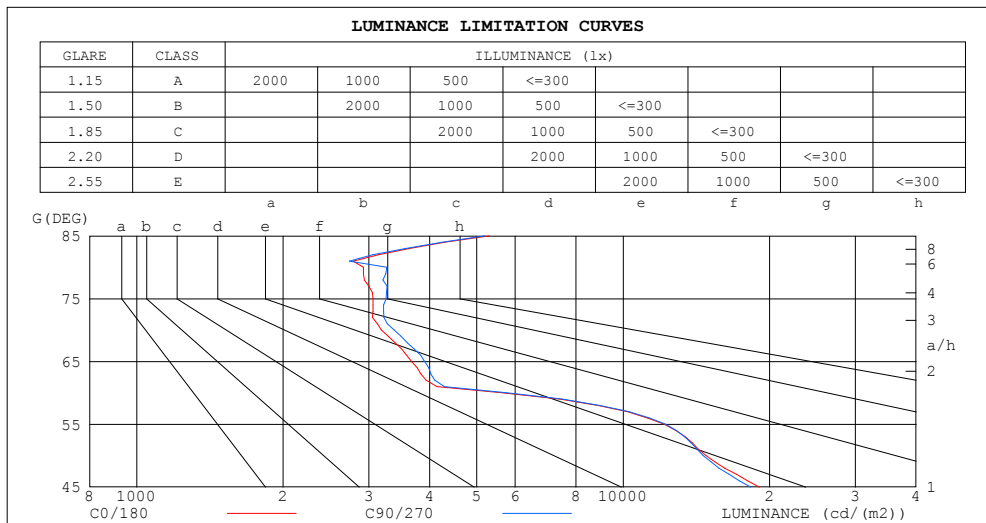
%lamp = 99.5%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: AE  
 Test Date: 2019-11-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity: 65.0%  
 Test Distance: 7.240m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm		
NAME: ALT70-27G30-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:60	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5307	5195
80	2923	3265
75	3060	3259
70	3182	3380
65	3669	3906
60	5620	5751
55	12137	12206
50	14788	14604
45	19058	18289

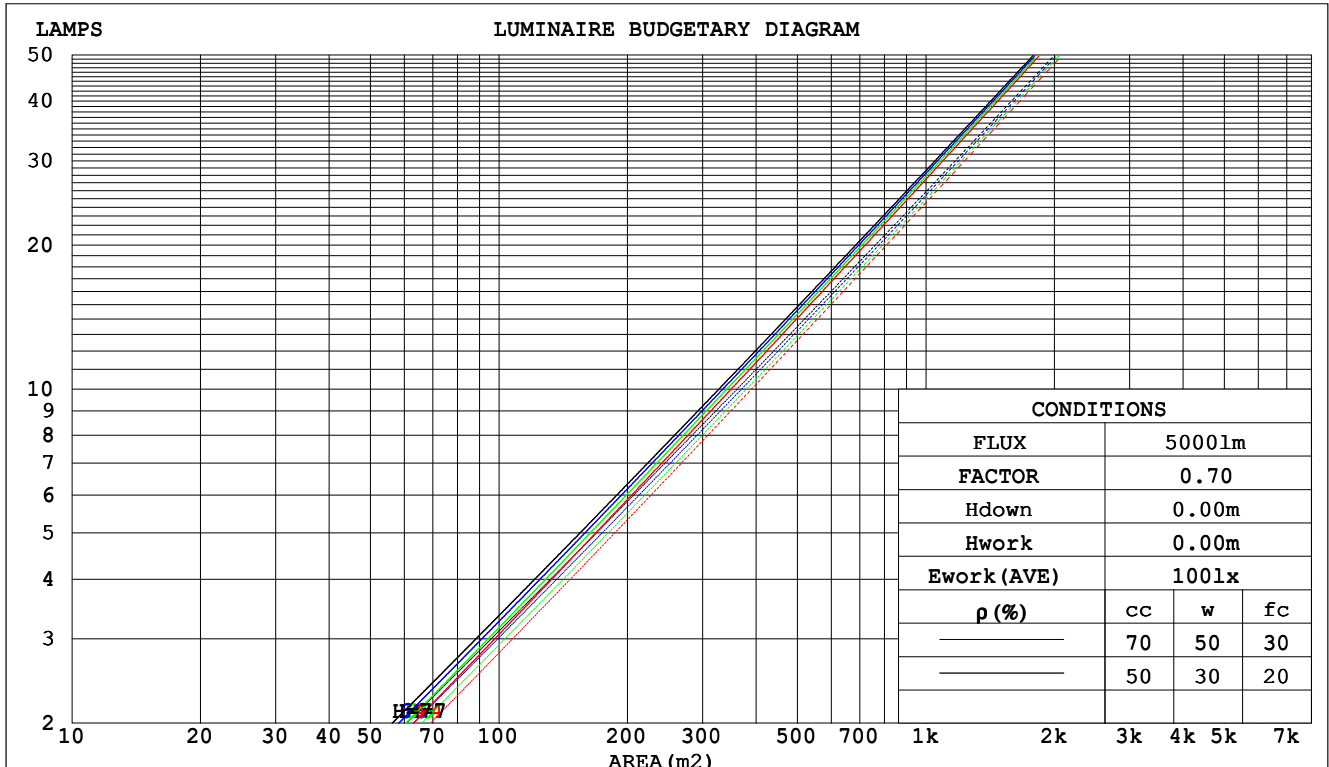
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2019-11-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm		
NAME: ALT70-27G30-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:60	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	1.02	1.02	1.02	.00
1.0	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.01	.00	.99	.99	.97
2.0	1.08	1.05	1.03	1.06	1.04	1.02	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94
3.0	1.04	1.00	.97	1.02	.99	.97	.00	.97	.95	.98	.95	.94	.96	.94	.92	.91
4.0	.00	.96	.93	.99	.95	.93	.97	.94	.92	.95	.93	.91	.93	.91	.90	.88
5.0	.97	.93	.90	.96	.92	.89	.94	.91	.89	.93	.90	.88	.91	.89	.87	.86
6.0	.94	.90	.87	.93	.89	.87	.92	.88	.86	.90	.88	.85	.89	.87	.85	.84
7.0	.91	.87	.84	.90	.87	.84	.89	.86	.84	.88	.85	.83	.87	.85	.83	.82
8.0	.89	.85	.82	.88	.84	.82	.87	.84	.82	.86	.83	.81	.86	.83	.81	.80
9.0	.86	.83	.80	.86	.82	.80	.85	.82	.80	.85	.82	.79	.84	.81	.79	.78
10.0	.84	.81	.78	.84	.81	.78	.83	.80	.78	.83	.80	.78	.82	.80	.78	.77



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2019-11-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

### WEC AND CCEC

Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm					
NAME: ALT70-27G30-S			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.:60		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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.134	.076	.024	.127	.072	.023	.115	.066	.021	.103	.060	.019	.093	.054	.017	
2.0	.123	.068	.021	.118	.065	.020	.108	.060	.019	.098	.055	.017	.090	.051	.016	
3.0	.114	.061	.018	.110	.059	.018	.101	.055	.017	.094	.051	.016	.086	.048	.015	
4.0	.107	.055	.016	.103	.054	.016	.096	.051	.015	.089	.048	.014	.083	.045	.014	
5.0	.100	.051	.015	.097	.050	.014	.091	.047	.014	.085	.045	.013	.080	.043	.013	
6.0	.094	.047	.013	.091	.046	.013	.086	.044	.013	.081	.042	.012	.077	.040	.012	
7.0	.089	.044	.012	.087	.043	.012	.082	.041	.012	.078	.040	.012	.074	.038	.011	
8.0	.084	.041	.012	.082	.040	.011	.078	.039	.011	.075	.038	.011	.071	.037	.011	
9.0	.080	.039	.011	.078	.038	.011	.075	.037	.010	.072	.036	.010	.069	.035	.010	
10.0	.076	.037	.010	.075	.036	.010	.072	.035	.010	.069	.034	.010	.066	.033	.010	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.128	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.115	.098	.084	.079	.068	.059	.046	.040	.035	.015	.013	.011	
4.0	.122	.098	.080	.104	.085	.069	.072	.059	.049	.042	.035	.029	.013	.011	.009	
5.0	.111	.085	.067	.095	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.087	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.032	.024	.018	.010	.008	.006	
8.0	.087	.060	.042	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.081	.054	.036	.070	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004	
10.0	.076	.050	.032	.066	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2019-11-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm										
NAME: ALT70-27G30-S					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:60			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	10.5	11.1	10.7	11.3	11.4	10.4	11.1	10.6	11.2	11.3
3H	10.5	11.1	10.7	11.3	11.5	10.5	11.0	10.7	11.2	11.4
4H	10.5	11.1	10.8	11.3	11.5	10.5	11.0	10.7	11.2	11.4
6H	10.5	11.0	10.8	11.3	11.5	10.5	11.0	10.8	11.2	11.5
8H	10.5	11.0	10.8	11.2	11.5	10.5	11.0	10.8	11.2	11.5
12H	10.5	11.0	10.8	11.3	11.5	10.5	11.0	10.8	11.2	11.5
4H 2H	10.5	11.0	10.7	11.2	11.4	10.4	10.9	10.6	11.1	11.3
3H	10.5	11.0	10.8	11.2	11.5	10.4	10.9	10.7	11.2	11.5
4H	10.5	10.9	10.8	11.2	11.5	10.5	10.9	10.8	11.2	11.5
6H	10.5	10.9	10.9	11.2	11.6	10.5	10.9	10.9	11.3	11.6
8H	10.5	10.9	10.9	11.2	11.6	10.5	10.9	10.9	11.3	11.6
12H	10.6	10.9	11.0	11.3	11.7	10.6	10.9	11.0	11.3	11.7
8H 4H	10.4	10.8	10.8	11.1	11.5	10.4	10.8	10.8	11.1	11.5
6H	10.5	10.8	10.9	11.2	11.6	10.5	10.8	10.9	11.2	11.6
8H	10.5	10.8	10.9	11.2	11.6	10.5	10.8	11.0	11.2	11.7
12H	10.6	10.9	11.1	11.3	11.8	10.7	10.9	11.1	11.3	11.8
12H 4H	10.4	10.7	10.8	11.1	11.5	10.4	10.7	10.8	11.1	11.5
6H	10.4	10.7	10.9	11.1	11.6	10.5	10.7	10.9	11.1	11.6
8H	10.5	10.7	11.0	11.2	11.6	10.5	10.8	11.0	11.2	11.7
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 2.2					+ 1.5 / - 2.0				
1.5H	+ 2.3 / - 1.2					+ 2.1 / - 1.0				
2.0H	+ 2.5 / - 4.0					+ 2.2 / - 3.7				

CIE Pub.117, 2468 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 3.1$ )

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2019-11-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm		
NAME: ALT70-27G30-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:60	Shielding Angle:

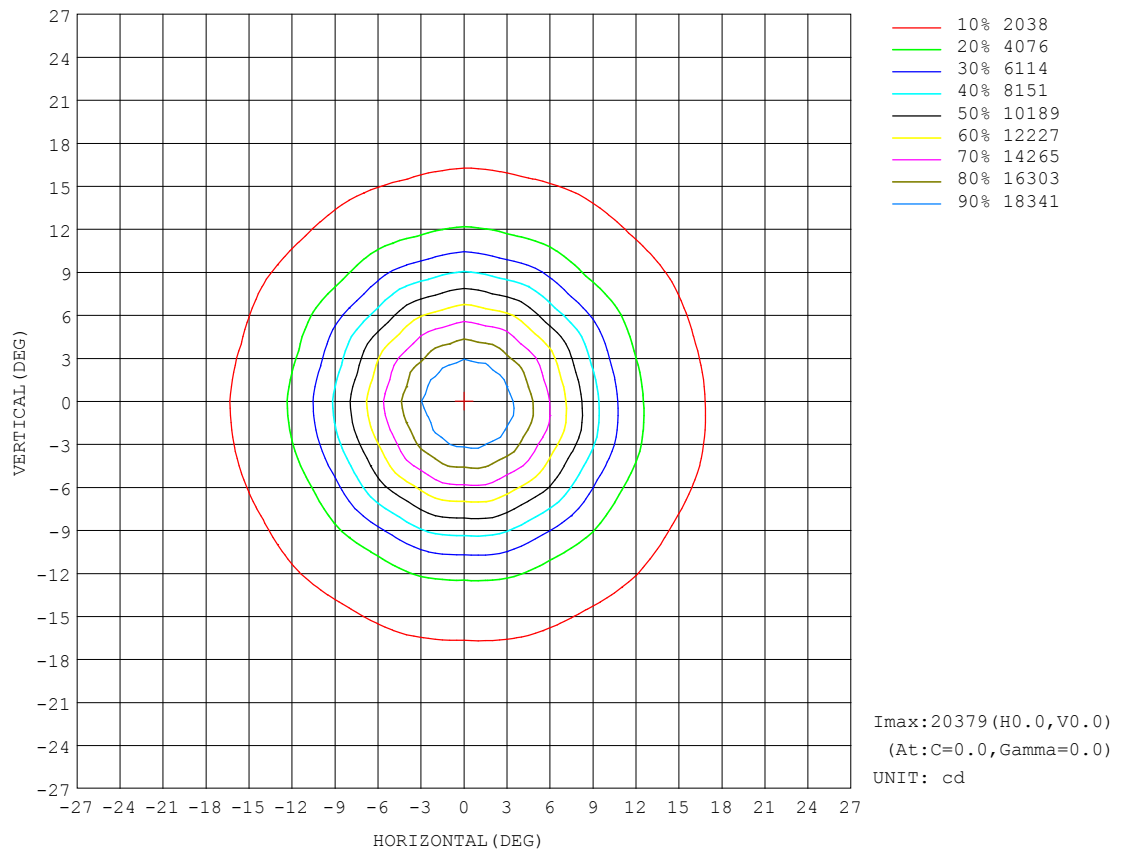
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	80	76
0.80	97	91	88	96	91	87	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	103	100	98	93
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	104	106	104	102	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	105	98
5.00	115	113	112	113	111	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: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2019-11-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm		
NAME: ALT70-27G30-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:60	Shielding Angle:

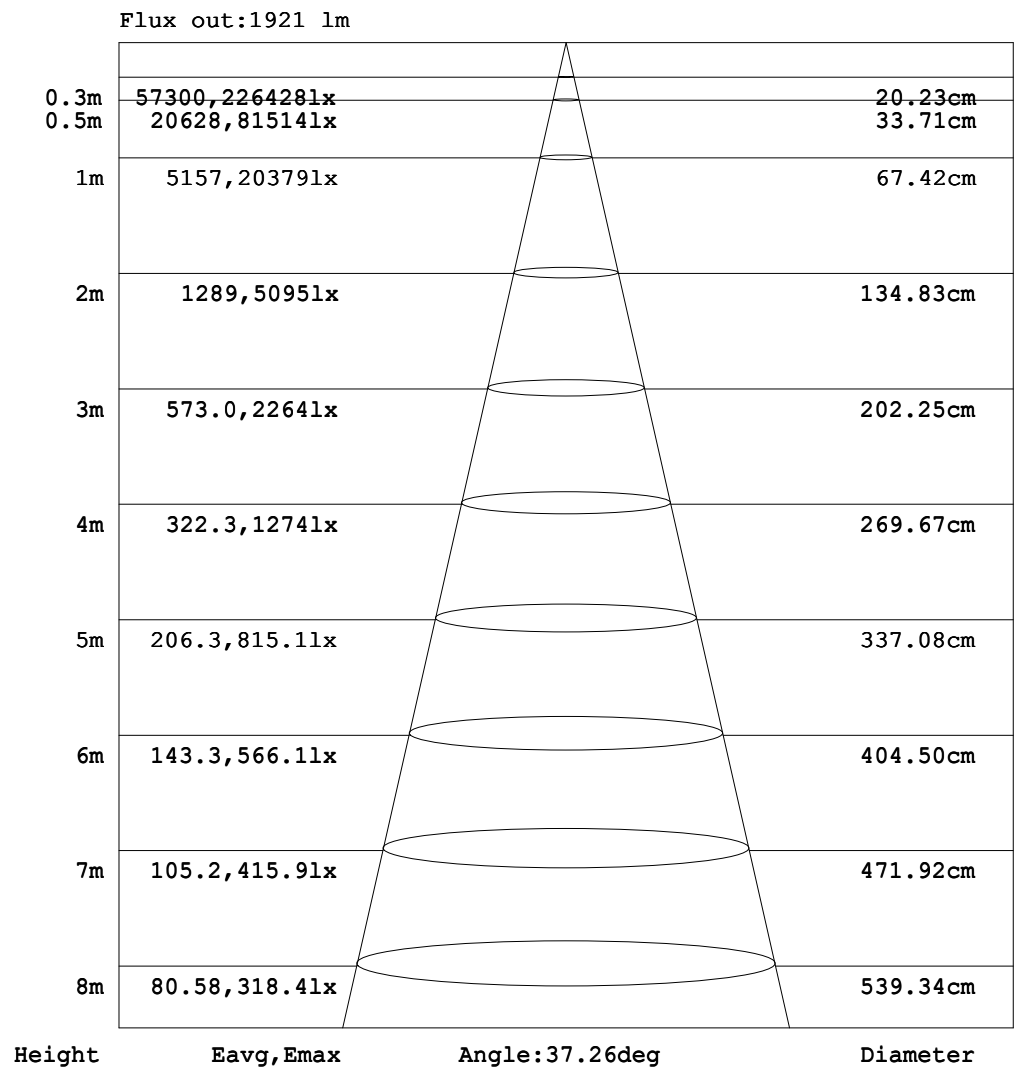


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2019-11-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

### AAI Figure

Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm		
NAME: ALT70-27G30-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:60	Shielding Angle:



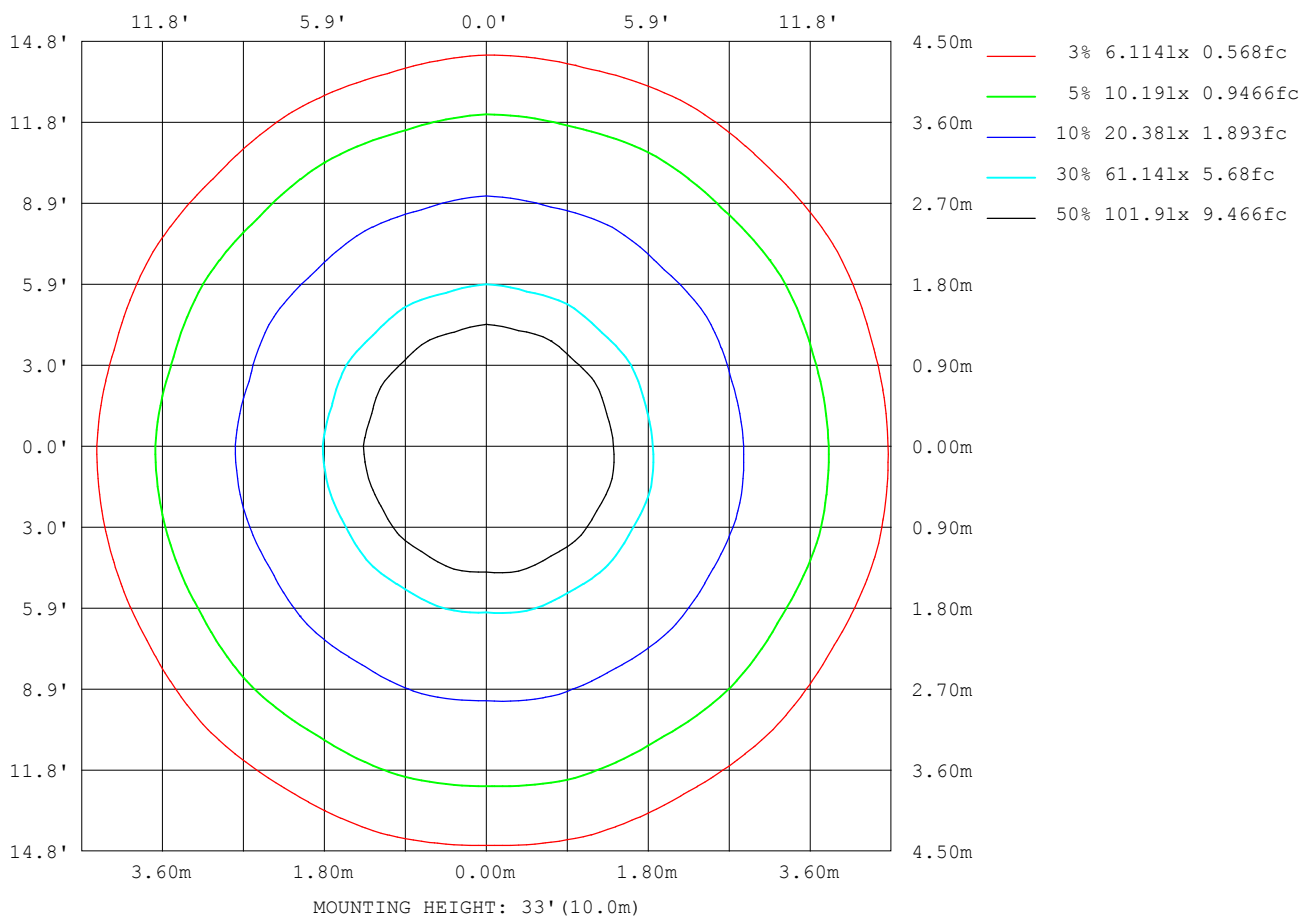
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2019-11-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm		
NAME: ALT70-27G30-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:60	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2019-11-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm		
NAME: ALT70-27G30-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:60	Shielding Angle:

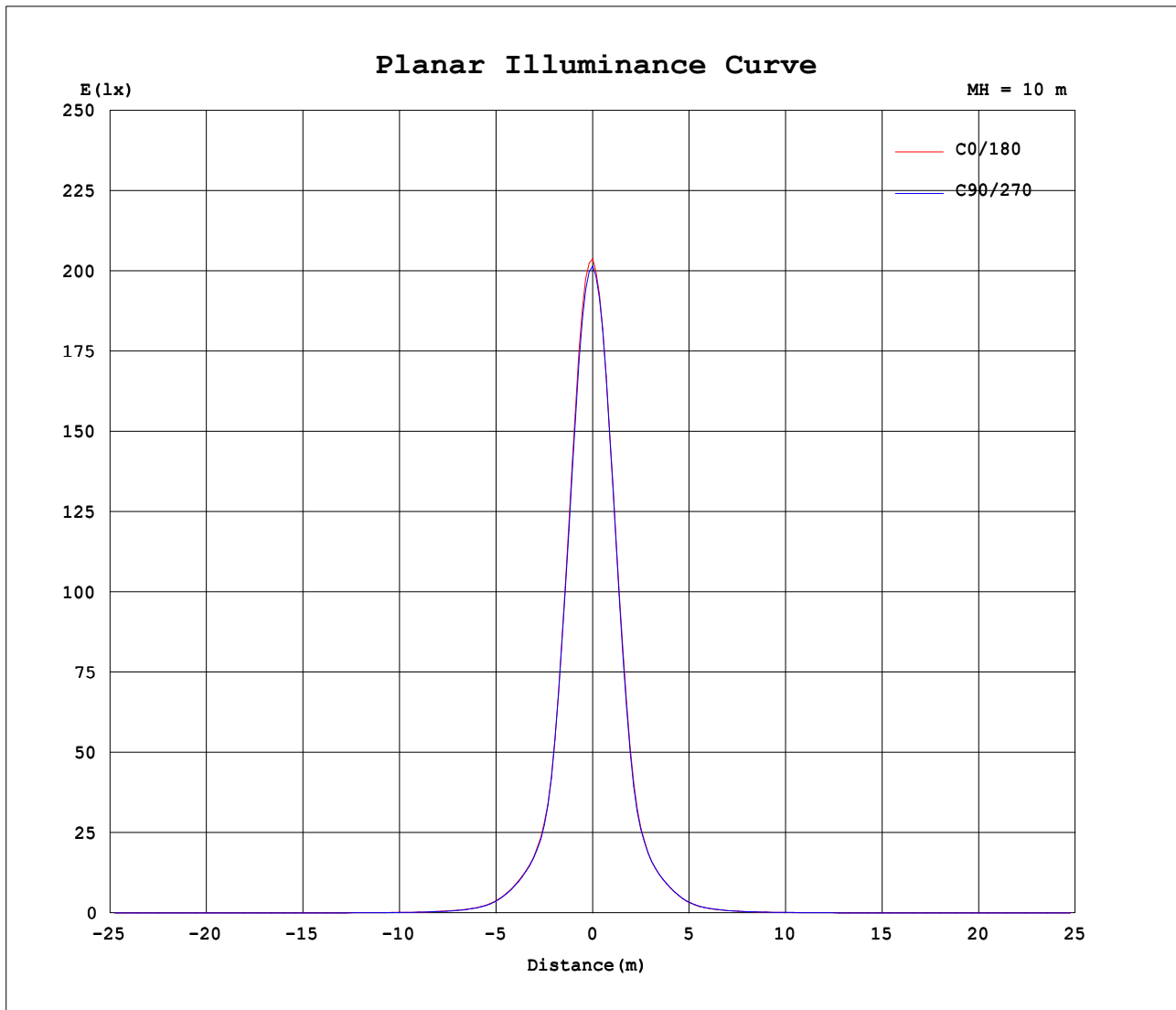
AvgL	cd/m2
L_0~180 (65) av	3712
L_0~180 (75) av	3032
L_0~180 (85) av	4570
L_90~270 (65) av	3802
L_90~270 (75) av	3206
L_90~270 (85) av	4545
L_45 (65) av	3670
L_45 (75) av	3031
L_45 (85) av	4630

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2019-11-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: AE  
Test Date: 2019-11-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
Humidity: 65.0%  
Test Distance: 7.240m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm																			
NAME: ALT70-27G30-S										TYPE:					WEIGHT:				
SPEC.:										DIM.:					SERIAL No.:				
MFR.:										SUR.:60					Shielding Angle:				

Table--1

UNIT: ×10cd

γ (DEG) \ C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018
5	1583	1617	1594	1622	1592	1608	1570	1586	1546	1557	1515	1526	1516	1483	1505	1480	1508	1483	1523
10	707	743	724	753	725	747	714	729	694	707	673	684	678	642	666	635	663	637	670
15	260	276	264	277	263	273	256	266	249	258	243	252	250	236	246	233	239	235	249
20	137	140	137	140	136	140	136	137	131	132	127	127	126	120	121	118	122	121	127
25	69.0	71.1	69.1	70.8	68.7	70.3	67.7	69.5	66.4	66.8	62.5	61.8	60.3	57.6	59.0	57.1	59.5	58.9	62.4
30	30.8	31.6	30.7	31.6	30.4	31.0	30.0	30.9	29.9	30.0	27.9	27.4	26.6	25.5	26.0	25.6	26.5	26.3	27.8
35	16.2	16.3	15.9	16.2	15.7	15.8	15.6	16.1	15.9	15.8	15.0	14.5	14.2	13.9	13.9	13.7	14.1	14.1	14.6
40	9.08	9.18	8.97	9.07	8.82	8.94	8.89	9.17	9.01	8.97	8.56	8.50	8.43	8.26	8.37	8.24	8.40	8.36	8.62
45	5.89	5.91	5.77	5.83	5.70	5.75	5.72	5.91	5.93	5.96	5.76	5.72	5.70	5.59	5.66	5.65	5.71	5.69	5.87
50	4.16	4.14	4.08	4.11	4.10	4.14	4.15	4.28	4.32	4.31	4.19	4.16	4.13	4.07	4.10	4.11	4.16	4.17	4.29
55	3.04	3.04	2.98	3.02	3.04	3.11	3.10	3.13	3.06	2.99	2.90	2.93	2.94	2.86	2.88	2.86	2.95	2.97	3.07
60	1.23	1.31	1.23	1.32	1.31	1.36	1.27	1.33	1.21	1.18	1.08	1.14	1.17	1.08	1.13	1.05	1.14	1.11	1.21
65	0.68	0.68	0.66	0.68	0.74	0.74	0.73	0.74	0.73	0.67	0.65	0.67	0.71	0.70	0.70	0.69	0.69	0.69	0.69
70	0.48	0.47	0.45	0.47	0.53	0.52	0.51	0.52	0.50	0.45	0.44	0.45	0.49	0.49	0.50	0.51	0.51	0.51	0.50
75	0.35	0.34	0.33	0.34	0.39	0.37	0.37	0.37	0.36	0.32	0.31	0.32	0.35	0.35	0.36	0.36	0.36	0.36	0.36
80	0.22	0.22	0.22	0.22	0.25	0.25	0.25	0.25	0.24	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22
85	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.15	0.16	0.15	0.16	0.15	0.16	0.15
90	0.23	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.12	0.12	0.11	0.12	0.11	0.12	0.11
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	0.00	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	0.00	0.00
140	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
145	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
150	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
155	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
160	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
165	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
170	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
175	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
180	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

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2019-11-08

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.265  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:225.3V I:0.1260A P:27.30W PF:0.9610 Freq:0Hz Lamp Flux:2467.61x1 lm		
NAME: ALT70-27G30-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:60	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2018	2018	2018	2018	2018														
5	1507	1552	1540	1584	1569														
10	651	689	671	714	694														
15	240	256	248	266	256														
20	126	132	131	136	136														
25	62.9	67.0	66.6	69.9	68.7														
30	28.2	30.0	30.2	31.5	30.8														
35	14.9	15.7	15.8	16.4	16.1														
40	8.73	9.06	9.06	9.27	9.09														
45	5.92	6.08	6.09	6.13	5.97														
50	4.34	4.42	4.39	4.38	4.23														
55	3.06	3.12	3.08	3.12	3.06														
60	1.17	1.25	1.18	1.27	1.23														
65	0.70	0.70	0.70	0.71	0.71														
70	0.51	0.52	0.51	0.52	0.52														
75	0.36	0.36	0.37	0.37	0.37														
80	0.22	0.22	0.22	0.22	0.23														
85	0.16	0.15	0.16	0.15	0.16														
90	0.12	0.12	0.12	0.11	0.12														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
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γ Range: 0 - 180DEG  
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