

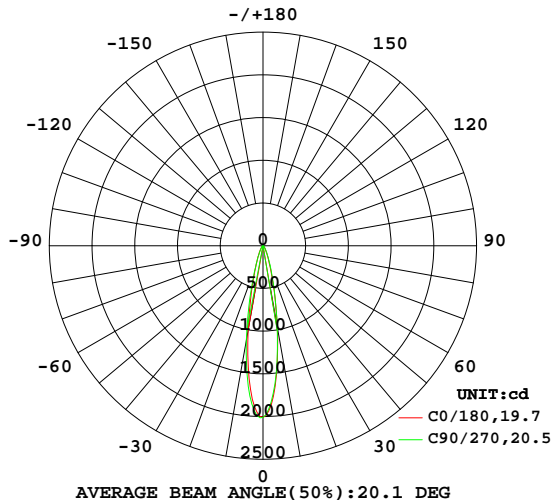
TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

## LUMINAIRE PHOTOMETRIC TEST REPORT

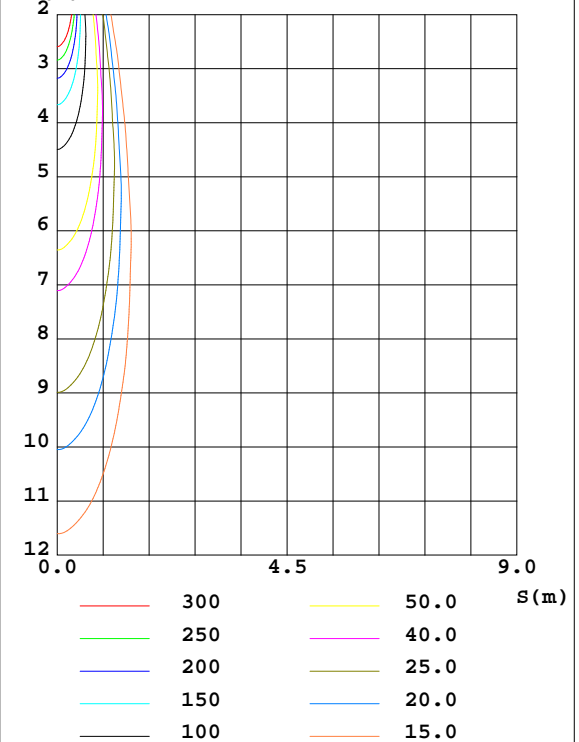
NAME: TLO010-01	TYPE:3000K CRI90	WEIGHT:1
SPEC.:12V700mA	DIM.:	SERIAL No.:
MFR.:	SUR.:38	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 43.98 lm/W			
MODEL	XHP35A-H-30H-D0-U-01	Imax(cd)	2019	S/MH(C0/180)	0.35
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.37
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	483.92	$\eta$ UP,DN(C0-180)	1.2,50.6
NOMINAL FLUX(lm)	483.924	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.2,47.0
LAMPS INSIDE	1	$\eta$ up(%)	2.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	$\eta$ down(%)	97.6	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:CJY  
Test Date:2024-08-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
10	964.0	578.7	962.6	1867	1009	670.3	1123	1750	0- 10	141.6	141.6	29.3,29.3
20	216.8	130.9	241.2	926.5	236.2	154.7	245.1	598.6	10- 20	181.4	323.0	66.7,66.7
30	67.86	47.26	77.71	149.1	78.82	53.89	71.26	108.7	20- 30	76.01	399.0	82.4,82.4
40	29.71	25.05	32.56	48.64	32.82	27.39	30.71	37.05	30- 40	31.84	430.8	89,89
50	16.44	14.36	17.18	23.99	17.81	15.48	16.76	19.81	40- 50	18.58	449.4	92.9,92.9
60	9.451	7.372	9.878	13.55	10.14	8.041	9.743	11.52	50- 60	12.06	461.5	95.4,95.4
70	4.663	3.193	5.063	6.575	5.145	3.599	4.843	5.590	60- 70	7.164	468.6	96.8,96.8
80	1.237	0.8071	1.410	2.047	1.427	0.9825	1.304	1.324	70- 80	3.099	471.7	97.5,97.5
90	0.1559	0.1546	0.1647	0.1612	0.1319	0.1151	0.1396	0.1568	80- 90	0.5062	472.2	97.6,97.6
100	0.2064	0.2033	0.2015	0.2031	0.1999	0.1792	0.2083	0.2342	90-100	0.1838	472.4	97.6,97.6
110	0.3161	0.2743	0.2944	0.3200	0.2922	0.2545	0.3169	0.3756	100-110	0.2633	472.7	97.7,97.7
120	0.5903	0.4509	0.5377	0.6706	0.4946	0.3962	0.5719	0.8246	110-120	0.4060	473.1	97.8,97.8
130	1.637	1.063	1.520	1.835	1.293	0.8551	1.548	2.142	120-130	0.8334	473.9	97.9,97.9
140	3.808	3.542	3.605	3.557	3.385	2.990	3.675	3.944	130-140	1.858	475.8	98.3,98.3
150	5.878	6.245	5.748	5.366	5.610	5.964	5.809	5.641	140-150	2.953	478.7	98.9,98.9
160	6.607	7.010	6.691	6.132	6.697	7.061	6.821	5.851	150-160	2.930	481.7	99.5,99.5
170	5.446	5.878	5.435	5.234	5.566	6.260	5.725	4.766	160-170	1.781	483.4	99.9,99.9
180	4.531	4.382	4.602	4.699	4.527	4.382	4.602	4.692	170-180	0.4817	483.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

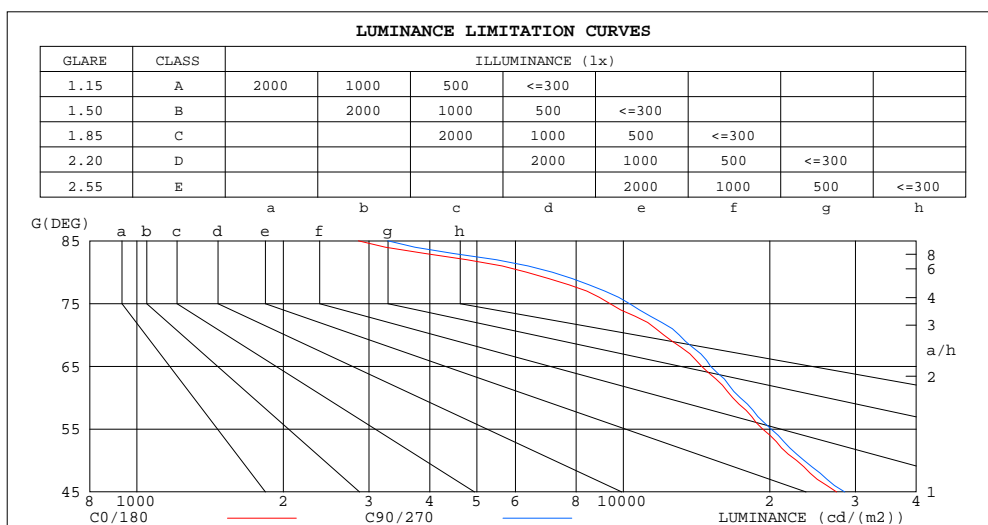
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:28DEG  
 Operators:CJY  
 Test Date:2024-08-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
 Humidity:65.0%  
 Test Distance:5.190m [K=1.0000]  
 Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

### LUMINANCE LIMITATION CURVES

NAME: TLO010-01	TYPE:3000K CRI90	WEIGHT:1
SPEC.:12V700mA	DIM.:	SERIAL No.:
MFR.:	SUR.:38	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2854	3280
80	6325	7145
75	9385	10289
70	12102	13031
65	14489	15112
60	16777	17391
55	19328	20133
50	22698	23528
45	27432	28521

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:CJY  
Test Date:2024-08-31

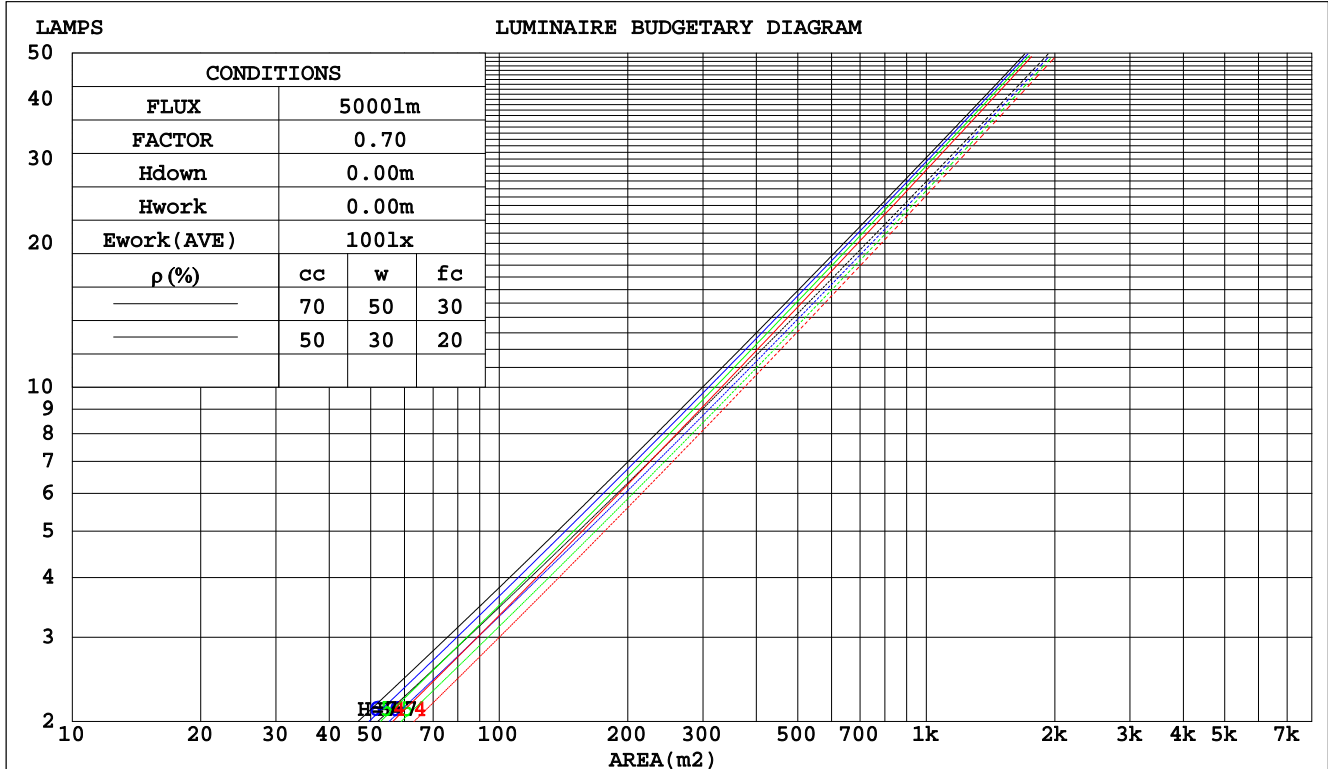
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO010-01	TYPE:3000K CRI90	WEIGHT:1
SPEC.:12V700mA	DIM.:	SERIAL No.:
MFR.:	SUR.:38	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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.96	.95	.95	.93
2.0	1.05	1.01	.98	1.03	.99	.97	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.99	.95	.91	.97	.93	.90	.94	.91	.89	.92	.89	.87	.89	.87	.85	.84
4.0	.94	.89	.86	.93	.88	.85	.90	.87	.84	.88	.85	.83	.86	.84	.81	.80
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.85	.81	.79	.83	.80	.78	.77
6.0	.86	.81	.77	.85	.80	.77	.83	.79	.76	.82	.78	.76	.80	.77	.75	.74
7.0	.82	.77	.74	.82	.77	.74	.80	.76	.73	.79	.75	.73	.78	.75	.72	.71
8.0	.79	.74	.71	.79	.74	.71	.77	.73	.70	.76	.73	.70	.75	.72	.70	.68
9.0	.76	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.68	.73	.70	.67	.66
10.0	.74	.69	.66	.73	.69	.66	.73	.69	.66	.72	.68	.65	.71	.68	.65	.64



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:CJY  
Test Date:2024-08-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

### WEC AND CCEC

NAME: TLO010-01	TYPE:3000K CRI90	WEIGHT:1
SPEC.:12V700mA	DIM.:	SERIAL No.:
MFR.:	SUR.:38	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	.161	.092	.029	.154	.088	.028	.140	.080	.026	.127	.073	.023	.115	.067	.022	
2.0	.151	.083	.025	.145	.080	.025	.133	.074	.023	.122	.069	.021	.112	.063	.020	
3.0	.141	.075	.022	.136	.073	.022	.126	.068	.021	.117	.064	.020	.108	.060	.019	
4.0	.132	.069	.020	.128	.067	.020	.119	.063	.019	.111	.060	.018	.104	.056	.017	
5.0	.124	.063	.018	.120	.062	.018	.113	.059	.017	.106	.056	.017	.099	.053	.016	
6.0	.117	.059	.017	.114	.057	.017	.107	.055	.016	.101	.053	.015	.095	.050	.015	
7.0	.111	.055	.016	.108	.054	.015	.102	.052	.015	.097	.050	.014	.092	.048	.014	
8.0	.105	.051	.014	.103	.051	.014	.097	.049	.014	.093	.047	.014	.088	.045	.013	
9.0	.100	.049	.014	.098	.048	.013	.093	.046	.013	.089	.045	.013	.085	.043	.012	
10.0	.096	.046	.013	.094	.045	.013	.089	.044	.012	.085	.042	.012	.082	.041	.012	

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	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022		
1.0	.189	.176	.165	.161	.151	.142	.110	.104	.098	.064	.060	.057	.020	.019	.018		
2.0	.172	.151	.134	.147	.130	.116	.101	.090	.081	.058	.052	.047	.019	.017	.015		
3.0	.158	.132	.111	.136	.114	.096	.093	.079	.068	.054	.046	.040	.017	.015	.013		
4.0	.147	.117	.095	.126	.101	.082	.087	.071	.058	.050	.041	.034	.016	.013	.011		
5.0	.137	.105	.082	.118	.091	.071	.081	.064	.050	.047	.037	.030	.015	.012	.010		
6.0	.129	.096	.072	.111	.083	.063	.076	.058	.044	.044	.034	.026	.014	.011	.009		
7.0	.121	.088	.064	.104	.076	.056	.072	.053	.040	.042	.031	.024	.014	.010	.008		
8.0	.115	.081	.058	.099	.070	.051	.068	.049	.036	.040	.029	.021	.013	.010	.007		
9.0	.109	.076	.053	.094	.066	.046	.065	.046	.033	.038	.027	.020	.012	.009	.006		
10.0	.104	.071	.049	.090	.062	.043	.062	.043	.030	.036	.026	.018	.012	.008	.006		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:CJY  
Test Date:2024-08-31

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

UGR(Unified Glare Rating) Table

NAME: TLO010-01					TYPE:3000K CRI90			WEIGHT:1			
SPEC.:12V700mA					DIM.:			SERIAL No.:			
MFR.:					SUR.:38			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		19.1	19.9	19.4	20.1	20.3	19.4	20.2	19.7	20.4	20.6
	3H	19.9	20.6	20.1	20.8	21.0	20.2	20.9	20.4	21.1	21.3
	4H	20.1	20.8	20.4	21.0	21.3	20.4	21.1	20.7	21.3	21.6
	6H	20.2	20.8	20.5	21.1	21.4	20.5	21.1	20.8	21.4	21.7
	8H	20.2	20.8	20.5	21.1	21.4	20.5	21.1	20.8	21.4	21.7
	12H	20.1	20.7	20.5	21.0	21.3	20.5	21.1	20.8	21.4	21.7
4H	2H	19.3	20.0	19.6	20.3	20.5	19.6	20.2	19.9	20.5	20.8
	3H	20.1	20.7	20.5	21.0	21.4	20.4	21.0	20.8	21.3	21.6
	4H	20.4	21.0	20.8	21.3	21.6	20.7	21.2	21.1	21.6	21.9
	6H	20.5	21.0	21.0	21.4	21.8	20.8	21.3	21.3	21.7	22.1
	8H	20.5	21.0	21.0	21.4	21.8	20.9	21.3	21.3	21.7	22.1
	12H	20.5	20.9	21.0	21.3	21.8	20.8	21.2	21.3	21.6	22.1
8H	4H	20.4	20.8	20.8	21.2	21.6	20.7	21.1	21.1	21.5	21.9
	6H	20.6	20.9	21.0	21.4	21.8	20.8	21.2	21.3	21.6	22.1
	8H	20.6	20.9	21.0	21.3	21.8	20.9	21.2	21.3	21.6	22.1
	12H	20.5	20.8	21.0	21.3	21.8	20.8	21.1	21.3	21.6	22.1
12H	4H	20.3	20.7	20.8	21.2	21.6	20.6	21.0	21.1	21.4	21.9
	6H	20.5	20.8	21.0	21.3	21.8	20.8	21.1	21.3	21.6	22.1
	8H	20.5	20.8	21.0	21.3	21.8	20.8	21.1	21.3	21.6	22.1
Variations with the observer position at spacings:											
S = 1.0H		+ 0.7 / - 0.7					+ 0.9 / - 0.7				
1.5H		+ 1.1 / - 0.6					+ 1.5 / - 0.7				
2.0H		+ 1.5 / - 1.3					+ 1.5 / - 1.2				

CIE Pub.117, 483.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.5)

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
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Test Date:2024-08-31

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

### UTILIZATION FACTORS TABLE

NAME: TLO010-01	TYPE:3000K CRI90	WEIGHT:1
SPEC.:12V700mA	DIM.:	SERIAL No.:
MFR.:	SUR.:38	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) x RCR = 5									
k = 0.60	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	91	86	82	90	85	81	77
1.00	97	91	87	96	90	87	94	90	86	82
1.25	101	96	92	100	95	91	98	93	90	86
1.50	104	99	95	103	98	95	100	96	93	88
2.00	107	102	99	105	101	98	102	99	96	90
2.50	109	105	101	107	103	100	103	101	98	92
3.00	110	107	104	108	105	103	105	102	100	93
4.00	113	110	107	110	108	106	106	104	103	95
5.00	114	112	110	112	110	108	107	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHR NOM = 1.25		

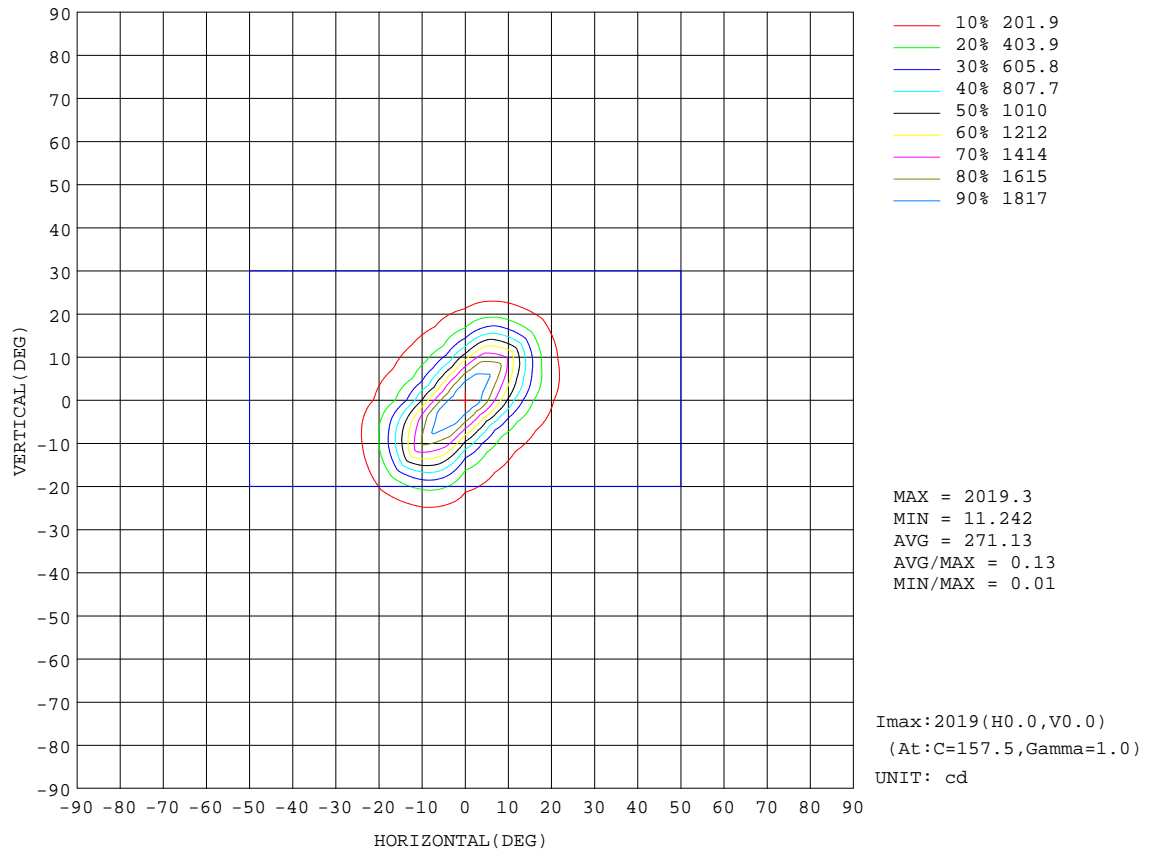
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Test Distance:5.190m [K=1.0000]  
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

### ISOCANDELA DIAGRAM

NAME: TLO010-01	TYPE:3000K CRI90	WEIGHT:1
SPEC.:12V700mA	DIM.:	SERIAL No.:
MFR.:	SUR.:38	Shielding Angle:



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C Interval: 22.5DEG  
Test Speed: HIGH  
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γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

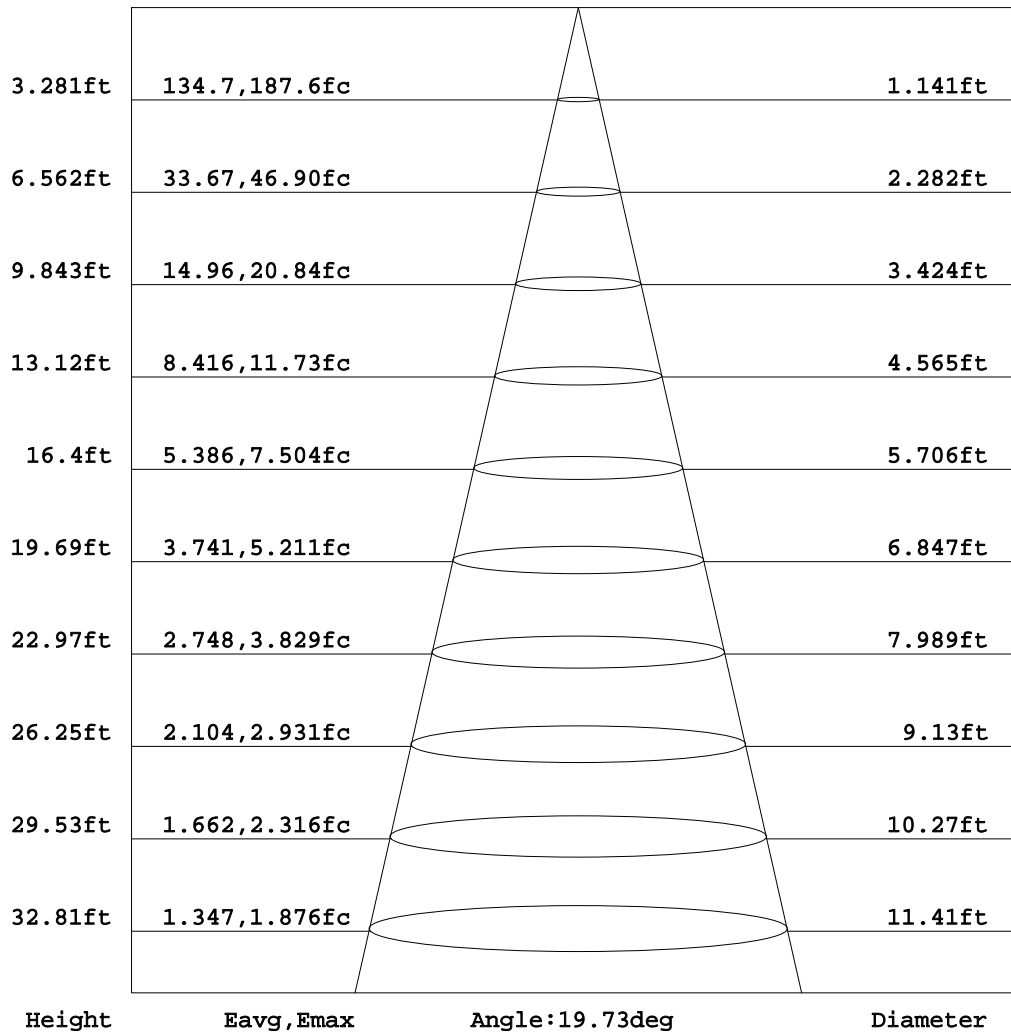


TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

### AAI Figure

NAME: TLO010-01	TYPE:3000K CRI90	WEIGHT:1
SPEC.:12V700mA	DIM.:	SERIAL No.:
MFR.:	SUR.:38	Shielding Angle:

Flux out:141.6 lm



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

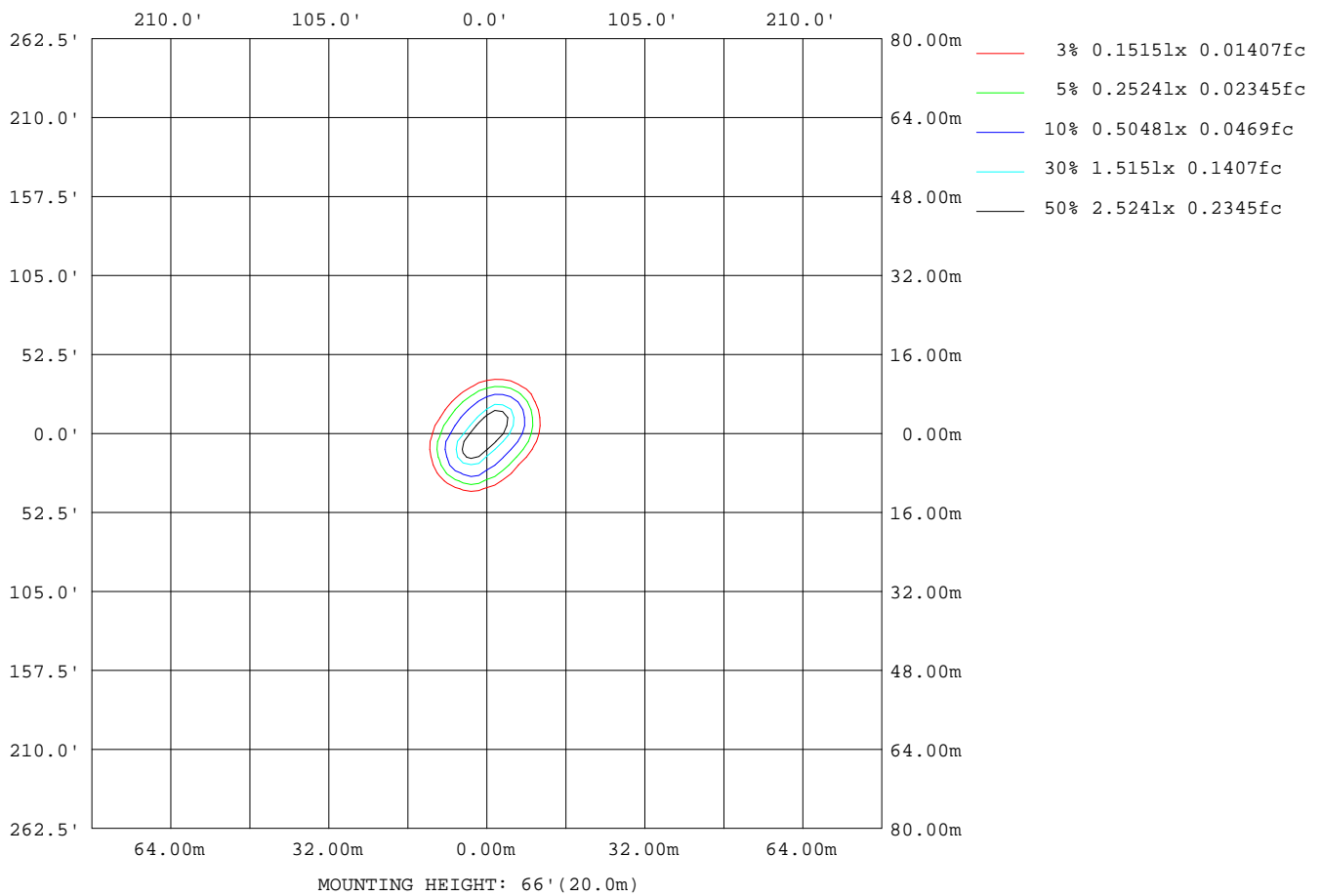
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Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity: 65.0%  
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Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

### ISOLUX DIAGRAM

NAME: TLO010-01	TYPE:3000K CRI90	WEIGHT:1
SPEC.:12V700mA	DIM.:	SERIAL No.:
MFR.:	SUR.:38	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
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γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

### LED Avg.L Report

NAME: TLO010-01	TYPE:3000K CRI90	WEIGHT:1
SPEC.:12V700mA	DIM.:	SERIAL No.:
MFR.:	SUR.:38	Shielding Angle:

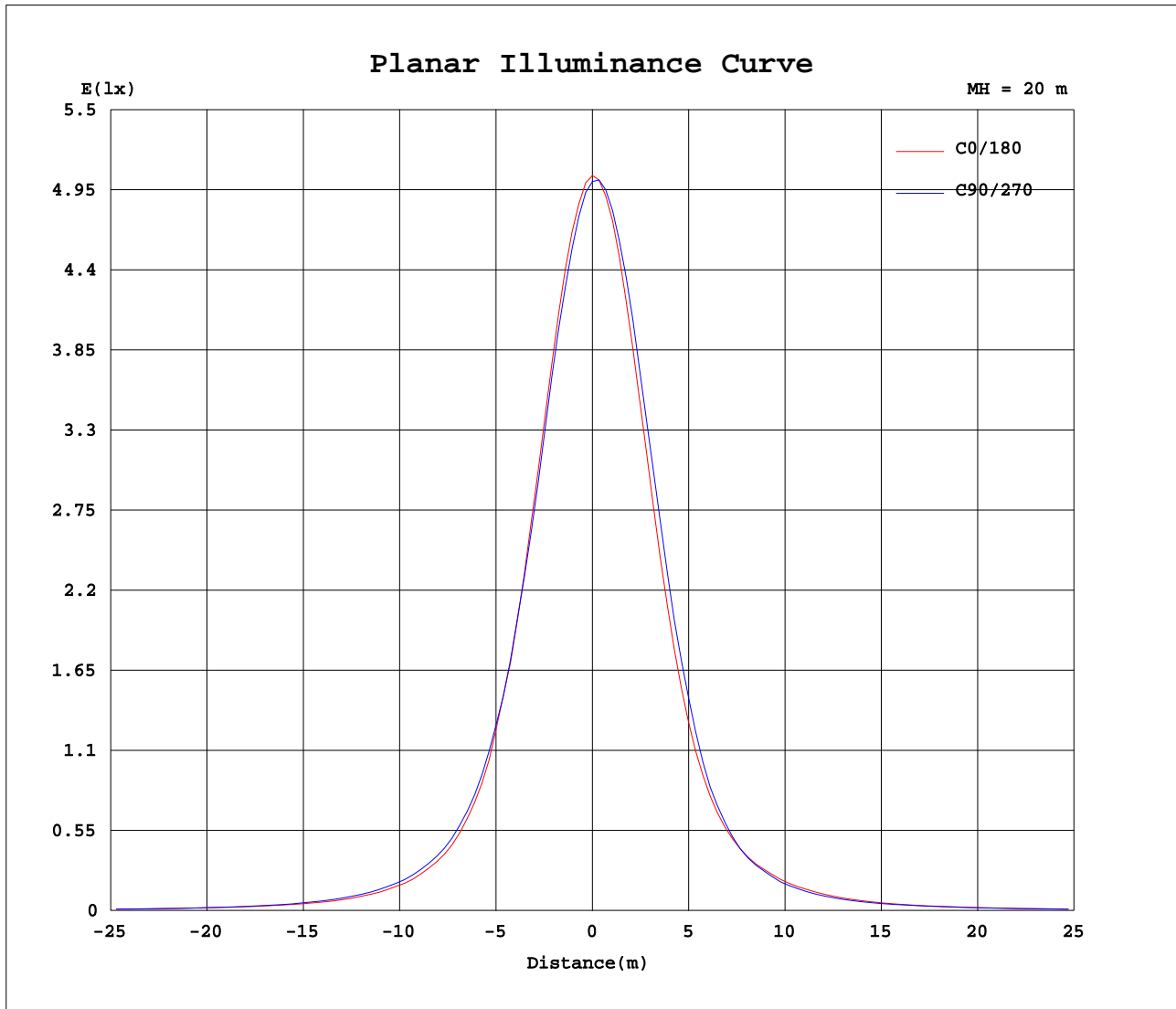
AvgL	cd/m2
L_0~180(65)av	14978
L_0~180(75)av	9809
L_0~180(85)av	3025
L_90~270(65)av	15034
L_90~270(75)av	9952
L_90~270(85)av	3018
L_45(65)av	14816
L_45(75)av	9548
L_45(85)av	3010

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:CJY  
Test Date:2024-08-31

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity:65.0%  
Test Distance:5.190m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 28DEG  
Operators: CJY  
Test Date: 2024-08-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.401  
Humidity: 65.0%  
Test Distance: 5.190m [K=1.0000]  
Remarks:

TLO010-01 12V700mA XHP35A-H-30H-D0-U-01 19.8D 3000K CRI90 NA

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO010-01	TYPE:3000K CRI90	WEIGHT:1
SPEC.:12V700mA	DIM.:	SERIAL No.:
MFR.:	SUR.:38	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008	2008			
5	1649	1493	1379	1456	1620	1868	1987	1936	1685	1507	1497	1566	1767	1903	1926	1770			
10	964	687	579	681	963	1539	1867	1574	1009	698	670	747	1123	1590	1750	1328			
15	457	294	247	301	488	1100	1579	1058	485	305	291	320	548	1046	1294	784			
20	217	154	131	160	241	599	927	542	236	163	155	167	245	458	599	350			
25	115	86.0	73.8	91.4	132	259	355	233	133	92.3	84.8	92.6	127	182	229	158			
30	67.9	52.4	47.3	55.5	77.7	126	149	115	78.8	57.0	53.9	55.5	71.3	92.3	109	84.9			
35	42.8	35.8	33.5	37.4	48.6	67.8	79.3	67.2	49.0	38.9	37.2	37.7	44.2	54.0	58.9	51.1			
40	29.7	25.9	25.1	26.8	32.6	42.7	48.6	42.3	32.8	27.7	27.4	26.9	30.7	35.3	37.0	33.3			
45	21.9	19.6	18.8	20.1	22.9	29.8	33.3	28.9	23.7	21.1	20.6	20.3	22.4	25.1	26.4	23.8			
50	16.4	14.9	14.4	15.3	17.2	21.6	24.0	21.1	17.8	15.9	15.5	15.5	16.8	18.9	19.8	17.8			
55	12.5	11.4	10.5	11.7	13.1	16.2	18.0	15.9	13.5	12.1	11.4	11.7	12.8	14.3	15.3	13.5			
60	9.45	8.39	7.37	8.73	9.88	12.3	13.5	12.0	10.1	8.83	8.04	8.70	9.74	10.8	11.5	10.1			
65	6.90	5.86	5.05	6.16	7.25	9.10	9.60	8.90	7.45	6.15	5.56	6.14	7.14	7.84	8.17	7.38			
70	4.66	3.83	3.19	4.04	5.06	6.34	6.57	6.29	5.15	4.03	3.60	4.04	4.84	5.27	5.59	4.97			
75	2.74	2.26	1.83	2.36	3.03	3.92	4.11	3.95	3.02	2.36	2.09	2.38	2.81	3.01	3.16	2.78			
80	1.24	1.04	0.81	1.08	1.41	1.94	2.05	1.99	1.43	1.08	0.98	1.10	1.30	1.29	1.32	1.13			
85	0.28	0.25	0.22	0.26	0.32	0.47	0.48	0.54	0.32	0.28	0.26	0.26	0.27	0.24	0.22	0.20			
90	0.16	0.15	0.15	0.15	0.16	0.15	0.16	0.16	0.13	0.14	0.12	0.13	0.14	0.16	0.16	0.14			
95	0.17	0.17	0.16	0.17	0.16	0.18	0.17	0.18	0.16	0.13	0.15	0.14	0.17	0.17	0.19	0.17			
100	0.21	0.21	0.20	0.21	0.20	0.22	0.20	0.21	0.20	0.16	0.18	0.17	0.21	0.20	0.23	0.20			
105	0.25	0.25	0.23	0.25	0.24	0.27	0.25	0.26	0.24	0.21	0.22	0.21	0.25	0.26	0.29	0.26			
110	0.32	0.30	0.27	0.30	0.29	0.33	0.32	0.32	0.29	0.25	0.25	0.27	0.32	0.34	0.38	0.34			
115	0.41	0.38	0.35	0.37	0.38	0.44	0.45	0.43	0.36	0.31	0.31	0.33	0.41	0.48	0.52	0.45			
120	0.59	0.50	0.45	0.47	0.54	0.64	0.67	0.61	0.49	0.41	0.40	0.44	0.57	0.75	0.82	0.70			
125	0.95	0.72	0.65	0.68	0.87	1.05	1.13	0.98	0.75	0.58	0.55	0.65	0.90	1.27	1.39	1.19			
130	1.64	1.19	1.06	1.14	1.52	1.74	1.84	1.64	1.29	0.96	0.86	1.08	1.55	2.03	2.14	1.98			
135	2.65	2.16	1.98	2.08	2.48	2.61	2.67	2.51	2.22	1.78	1.57	1.97	2.53	2.93	3.02	2.92			
140	3.81	3.61	3.54	3.49	3.61	3.57	3.56	3.46	3.39	3.15	2.99	3.35	3.67	3.91	3.94	3.94			
145	4.93	5.05	5.19	4.92	4.73	4.55	4.49	4.46	4.56	4.67	4.68	4.82	4.80	4.88	4.86	4.94			
150	5.88	6.11	6.25	6.02	5.75	5.47	5.37	5.40	5.61	5.86	5.96	5.97	5.81	5.76	5.64	5.78			
155	6.49	6.72	6.80	6.69	6.49	6.18	5.99	6.15	6.39	6.60	6.68	6.70	6.55	6.35	6.03	6.21			
160	6.61	6.93	7.01	6.93	6.69	6.34	6.13	6.42	6.70	6.95	7.06	7.04	6.82	6.38	5.85	6.06			
165	6.17	6.65	6.82	6.67	6.29	5.93	5.78	6.11	6.38	6.84	7.02	6.95	6.54	5.86	5.33	5.42			
170	5.45	5.83	5.88	5.76	5.44	5.21	5.23	5.57	5.57	6.07	6.26	6.16	5.73	5.17	4.77	4.73			
175	4.77	4.83	4.78	4.66	4.59	4.68	4.87	5.02	4.68	4.87	5.17	5.14	4.96	4.75	4.55	4.38			
180	4.53	4.34	4.38	4.42	4.60	4.63	4.70	4.62	4.53	4.34	4.38	4.43	4.60	4.64	4.69	4.60			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
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