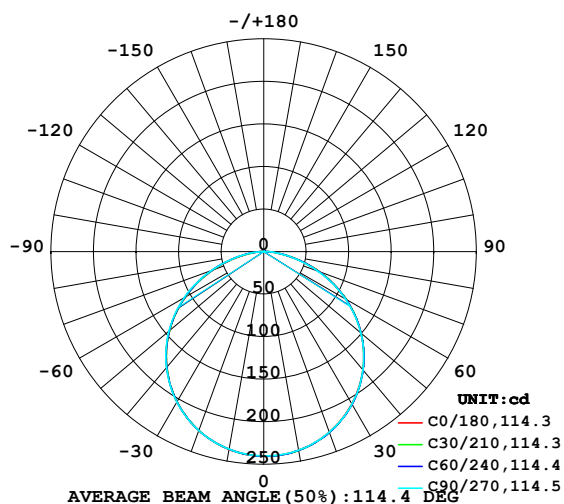


## LUMINAIRE PHOTOMETRIC TEST REPORT

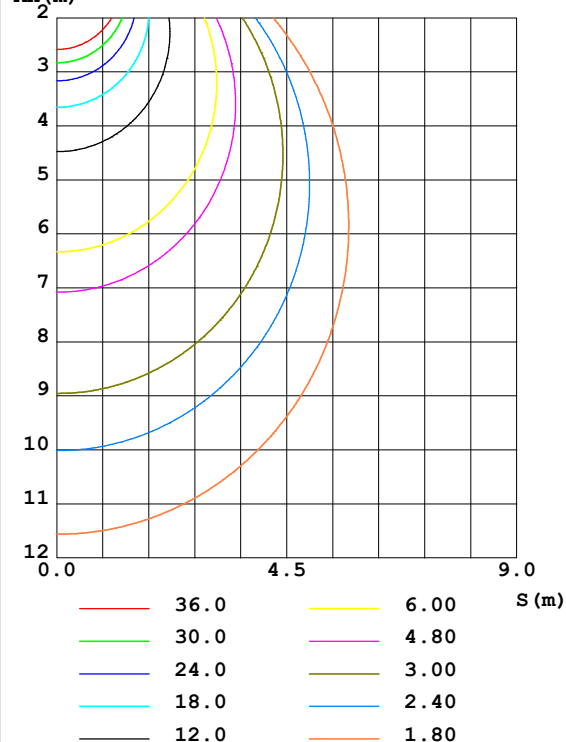
Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm		
NAME: 12-120-3256-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.65 lm/W			
MODEL		Imax(cd)	240.7	S/MH(C0/180)	1.26
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	699.78	$\eta$ UP,DN(C0-180)	0.1,50.6
NOMINAL FLUX(lm)	699.781	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,49.3
LAMPS INSIDE	1	$\eta$ up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	12	$\eta$ down(%)	99.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:SENPU  
 Test Date:2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

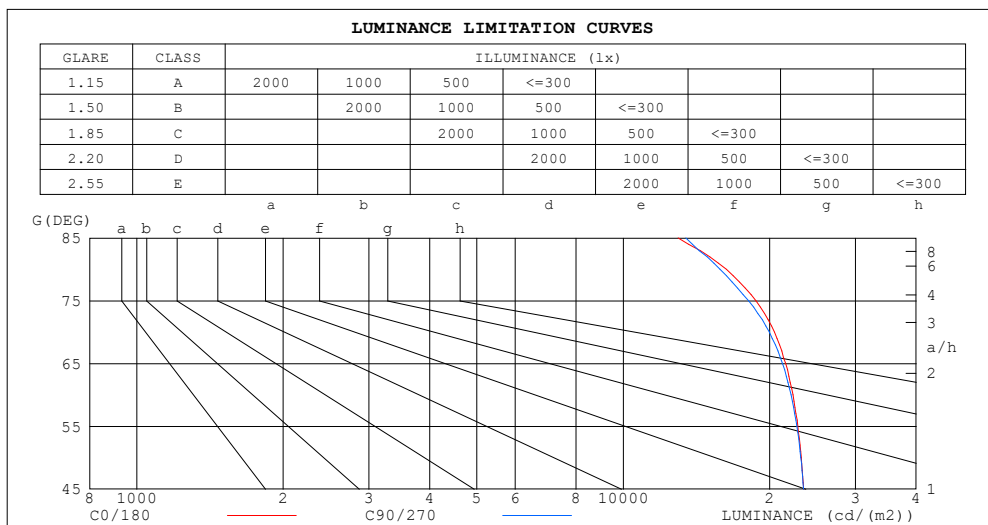
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	237.1	237.4	236.9	237.0	236.0	235.7	235.8	236.2	0- 10	22.77	22.77	3.25,3.25
20	225.8	226.5	225.8	225.7	223.6	223.3	223.7	224.1	10- 20	65.39	88.16	12.6,12.6
30	207.1	208.0	207.2	206.9	203.9	203.5	204.1	204.6	20- 30	99.64	187.8	26.8,26.8
40	181.3	182.3	181.5	181.0	177.3	176.9	177.9	178.3	30- 40	121.0	308.8	44.1,44.1
50	149.3	150.2	149.0	148.6	144.5	143.9	145.5	145.7	40- 50	126.5	435.4	62.2,62.2
60	111.7	112.3	110.7	110.4	106.1	105.8	107.7	108.1	50- 60	114.9	550.3	78.6,78.6
70	69.96	70.04	68.31	67.87	63.80	63.73	66.07	66.83	60- 70	87.31	637.6	91.1,91.1
80	28.30	28.11	27.47	26.53	22.65	23.62	24.96	26.48	70- 80	48.51	686.1	98,98
90	1.640	2.683	2.030	3.225	0.8238	1.485	0.1803	2.134	80- 90	12.70	698.8	99.9,99.9
100	0.3380	0.6534	0.2629	1.179	0.2253	0.2178	0.1953	0.2027	90-100	0.9407	699.8	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0276	699.8	100,100
120	0	0	0	0	0	0	0	0	110-120	0	699.8	100,100
130	0	0	0	0	0	0	0	0	120-130	0	699.8	100,100
140	0	0	0	0	0	0	0	0	130-140	0	699.8	100,100
150	0	0	0	0	0	0	0	0	140-150	0	699.8	100,100
160	0	0	0	0	0	0	0	0	150-160	0	699.8	100,100
170	0	0	0	0	0	0	0	0	160-170	0	699.8	100,100
180	0	0	0	0	0	0	0	0	170-180	0	699.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:SENPU  
 Test Date:2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm		
NAME: 12-120-3256-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12966	13438
80	16298	15821
75	18745	18094
70	20454	19973
65	21566	21245
60	22344	22140
55	22859	22752
50	23223	23181
45	23489	23490

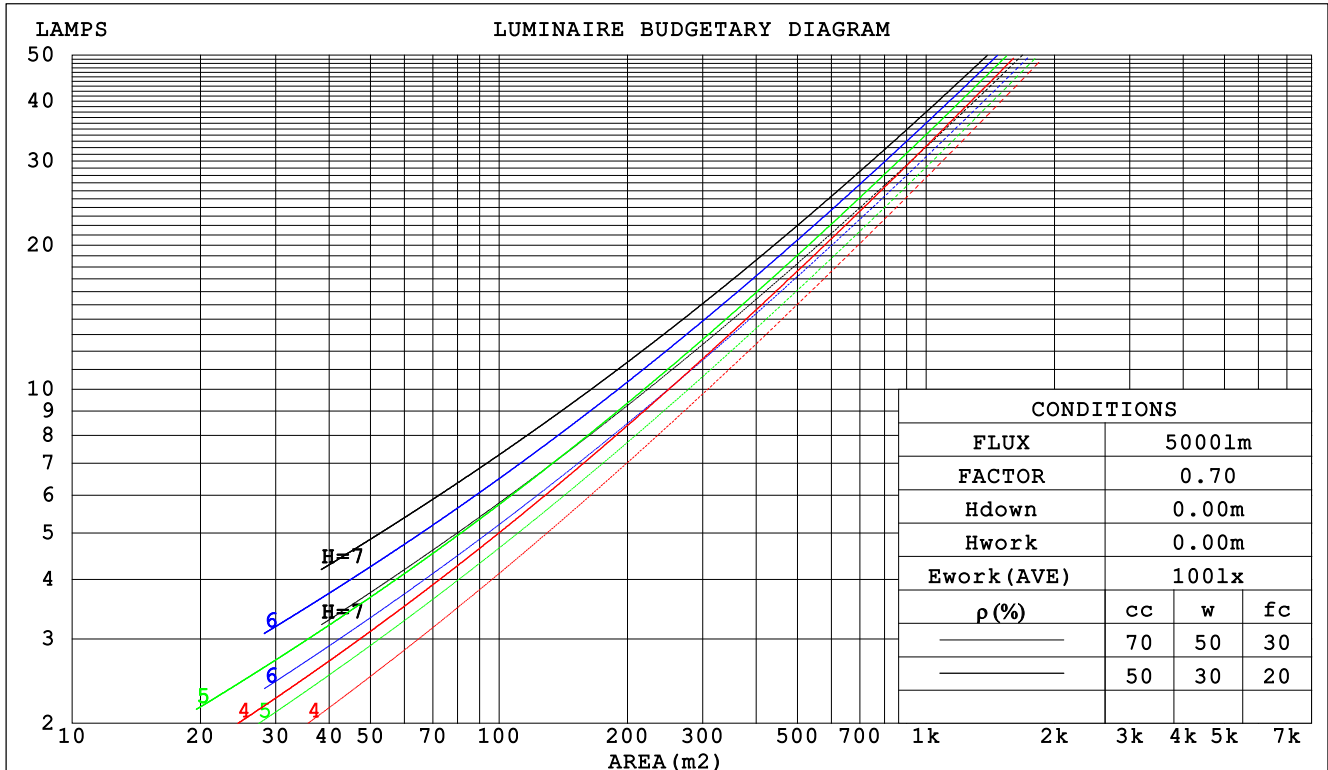
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 27DEG  
Operators: SENPU  
Test Date: 2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
Humidity: 65.0%  
Test Distance: 8.000m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm		
NAME: 12-120-3256-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
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	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.53	.47	.61	.53	.47	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: SENPU  
 Test Date: 2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm									
NAME: 12-120-3256-32					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.:					SUR.:			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	.310	.176	.056	.303	.173	.055	.289	.166	.053	.277	.160	.051	.266	.154	.050		
2.0	.292	.160	.049	.286	.157	.048	.274	.152	.047	.263	.148	.046	.253	.143	.045		
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040		
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036		
5.0	.231	.118	.034	.227	.116	.034	.218	.114	.033	.211	.111	.033	.204	.109	.033		
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030		
7.0	.199	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027		
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.085	.025		
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.021		

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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.181	.157	.135	.155	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.086	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.166	.115	.075	.142	.100	.065	.098	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.136	.088	.052	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.151	.092	.048	.129	.079	.042	.089	.055	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.083	.040	.123	.072	.035	.085	.051	.025	.049	.030	.015	.016	.010	.005	
7.0	.137	.076	.034	.118	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.130	.071	.030	.112	.061	.026	.078	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.066	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.038	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: SENPU  
 Test Date: 2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## UGR(Unified Glare Rating) Table

Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm											
NAME: 12-120-3256-32					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.:			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	23.9	25.4	24.1	25.6	25.8	23.9	25.4	24.1	25.6	25.8	
	3H	25.4	26.8	25.7	27.1	27.3	25.4	26.8	25.7	27.0	27.3
	4H	26.0	27.4	26.3	27.6	27.9	25.9	27.3	26.3	27.5	27.8
	6H	26.4	27.7	26.8	28.0	28.3	26.3	27.6	26.7	27.9	28.2
	8H	26.6	27.8	26.9	28.1	28.4	26.4	27.7	26.8	28.0	28.2
	12H	26.6	27.8	27.0	28.1	28.4	26.5	27.7	26.9	28.0	28.3
4H	2H	24.5	25.8	24.8	26.1	26.4	24.5	25.8	24.8	26.1	26.3
	3H	26.2	27.4	26.6	27.7	28.0	26.2	27.3	26.5	27.6	28.0
	4H	26.9	28.0	27.3	28.3	28.7	26.9	27.9	27.2	28.3	28.6
	6H	27.5	28.4	27.9	28.8	29.2	27.4	28.3	27.8	28.7	29.0
	8H	27.6	28.5	28.1	28.9	29.3	27.5	28.4	28.0	28.8	29.2
	12H	27.7	28.6	28.2	28.9	29.4	27.6	28.5	28.1	28.8	29.3
8H	4H	27.2	28.1	27.6	28.5	28.8	27.1	28.0	27.5	28.4	28.8
	6H	27.9	28.6	28.3	29.0	29.4	27.8	28.5	28.2	28.9	29.3
	8H	28.1	28.8	28.6	29.2	29.6	28.0	28.7	28.5	29.1	29.5
	12H	28.3	28.8	28.8	29.3	29.8	28.2	28.8	28.7	29.2	29.7
12H	4H	27.2	28.0	27.6	28.4	28.8	27.1	28.0	27.6	28.3	28.7
	6H	27.9	28.6	28.4	29.0	29.4	27.8	28.5	28.3	28.9	29.4
	8H	28.2	28.8	28.7	29.2	29.7	28.1	28.7	28.6	29.1	29.6
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, 699.8 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = -1.2$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: SENPU  
 Test Date: 2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm		
NAME: 12-120-3256-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

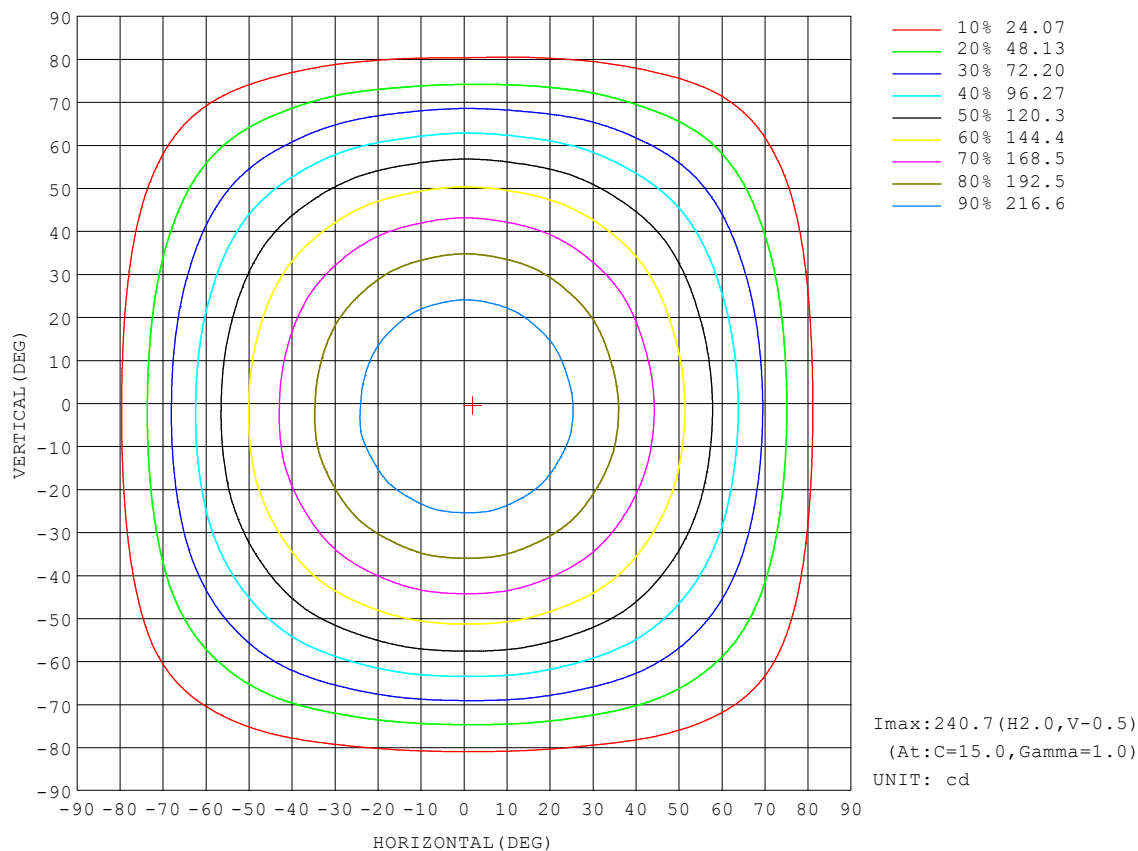
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	96	104	99	94	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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: 27DEG  
 Operators: SENPU  
 Test Date: 2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm		
NAME: 12-120-3256-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



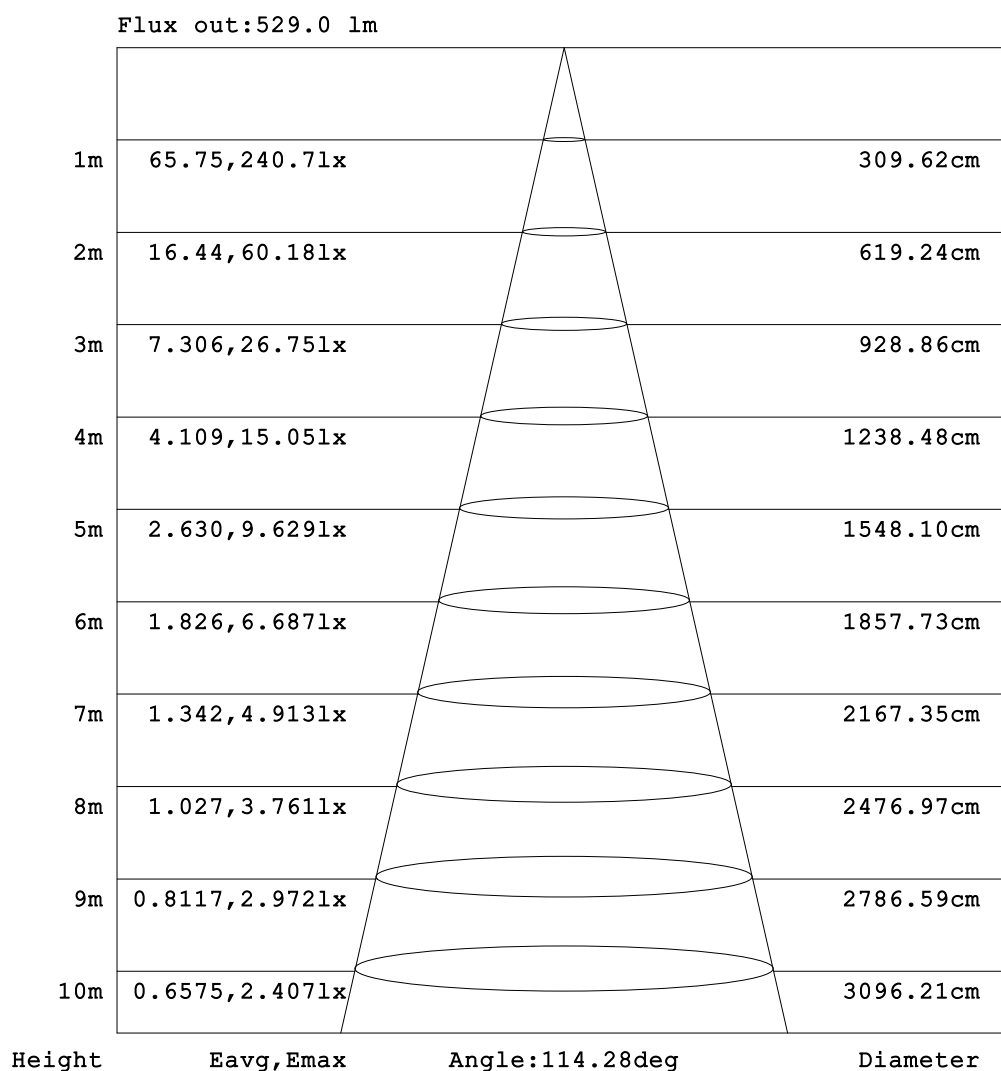
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:27DEG  
Operators:SENPU  
Test Date:2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm		
NAME: 12-120-3256-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



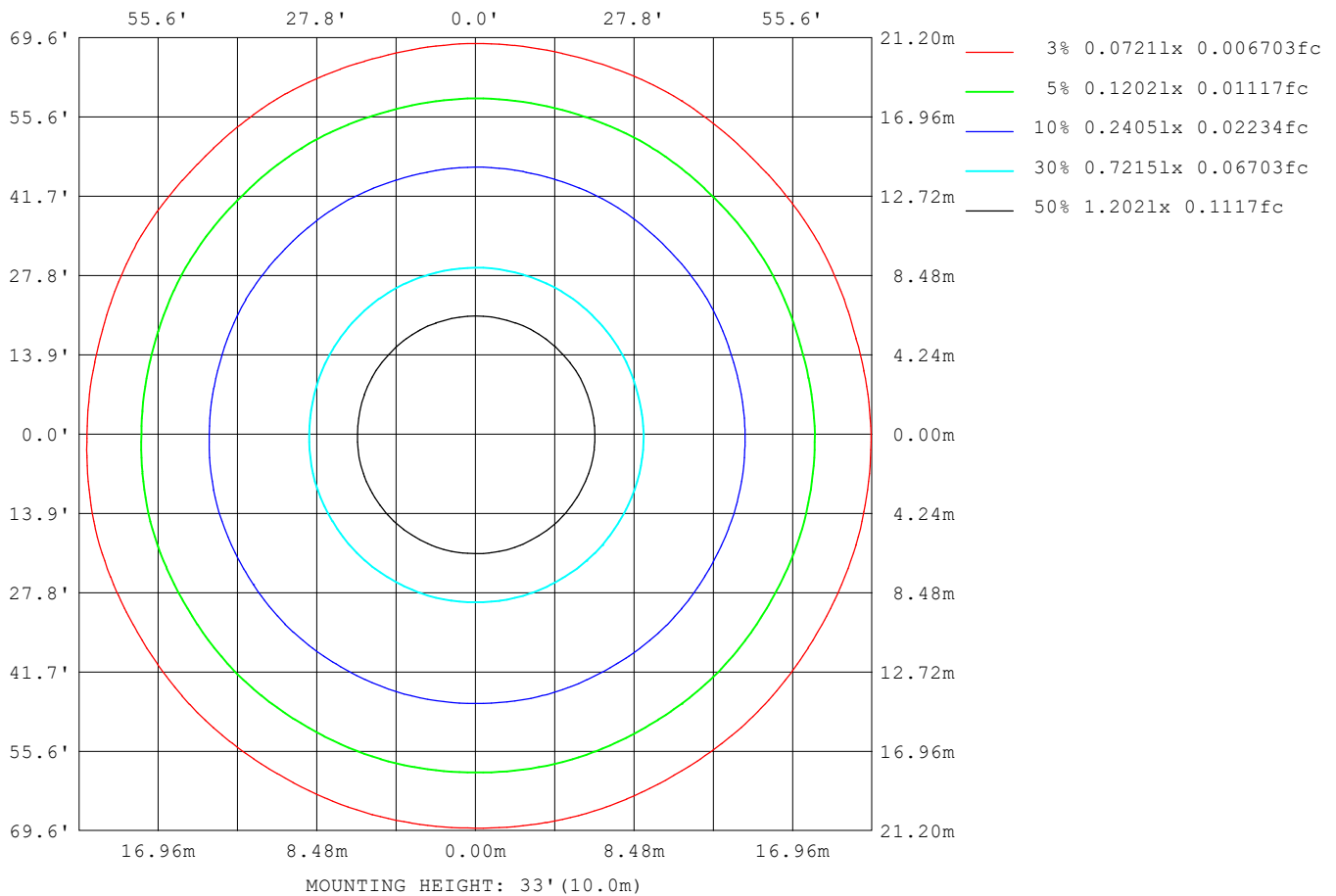
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:SENPU  
 Test Date:2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm		
NAME: 12-120-3256-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: SENPU  
 Test Date: 2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm		
NAME: 12-120-3256-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

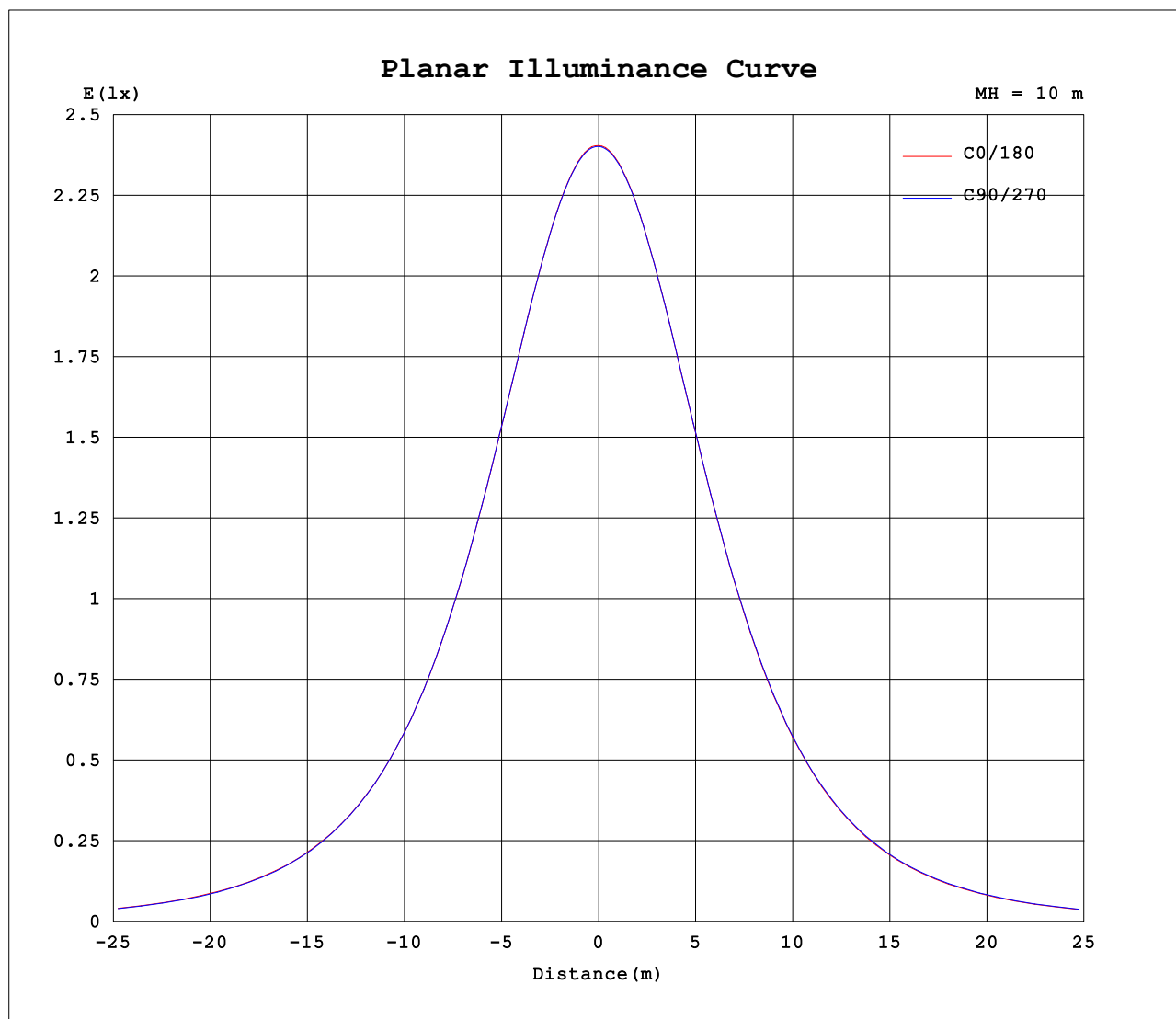
AvgL	cd/m2
L_0~180 (65) av	20883
L_0~180 (75) av	17552
L_0~180 (85) av	10626
L_90~270 (65) av	20879
L_90~270 (75) av	17668
L_90~270 (85) av	12037
L_45 (65) av	20859
L_45 (75) av	17693
L_45 (85) av	12153

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:27DEG  
Operators:SENPU  
Test Date:2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 27DEG  
Operators: SENPU  
Test Date: 2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
Humidity: 65.0%  
Test Distance: 8.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm		
NAME: 12-120-3256-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding 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	240	241	240	241	240	240	240	240	240	240	240	241	240	241	240	241	240	240	240
5	240	240	240	240	240	240	240	240	240	240	240	240	239	239	239	239	239	239	239
10	237	238	237	237	237	237	237	237	237	237	237	237	236	236	236	236	236	236	236
15	232	233	233	233	233	233	232	232	232	232	232	232	231	231	231	230	231	231	231
20	226	226	226	227	226	226	226	226	225	226	225	225	224	223	224	223	224	223	224
25	217	218	218	218	218	218	217	218	217	217	216	216	215	214	215	214	215	214	215
30	207	208	207	208	208	208	207	207	207	207	206	206	204	204	204	204	204	204	204
35	195	196	195	196	195	196	195	195	195	195	194	194	192	191	191	191	192	191	192
40	181	182	182	182	182	182	182	182	181	181	180	180	177	177	177	177	177	177	178
45	166	167	166	167	166	167	166	166	165	166	164	164	162	161	162	161	162	162	162
50	149	150	150	150	149	150	149	149	148	149	147	147	145	144	145	144	145	144	145
55	131	132	131	132	131	132	130	131	130	130	129	129	126	125	126	125	126	126	127
60	112	112	112	112	111	112	111	111	110	110	109	109	106	106	106	106	107	107	108
65	91.1	91.9	91.0	91.6	90.5	90.9	89.8	90.1	89.1	89.5	88.0	88.2	85.4	84.2	85.5	84.4	86.2	85.6	86.7
70	70.0	70.5	69.7	70.0	69.1	69.2	68.3	68.4	67.6	67.9	66.5	66.6	63.8	63.2	64.0	63.7	65.2	65.0	66.1
75	48.5	48.9	48.2	48.4	47.5	47.5	46.8	46.7	46.1	46.3	45.1	45.1	42.3	41.8	42.7	42.8	44.2	44.0	44.6
80	28.3	28.6	27.9	28.1	27.1	27.6	27.5	27.2	26.5	26.5	25.4	25.3	22.6	22.3	23.2	23.6	25.0	25.4	25.0
85	11.3	11.5	11.4	11.7	11.7	12.1	11.7	11.8	11.4	11.1	9.99	9.39	7.22	7.02	8.04	8.64	9.79	9.99	9.27
90	1.64	1.77	2.02	2.68	3.09	3.40	2.03	3.65	3.59	3.22	2.52	1.70	0.82	0.82	1.12	1.49	1.91	2.06	0.18
95	0.50	0.33	0.65	1.04	1.50	1.73	0.27	1.93	1.92	1.58	1.28	0.75	0.23	0.26	0.22	0.32	0.35	0.20	0.20
100	0.34	0.33	0.41	0.65	1.04	1.22	0.26	1.43	1.43	1.18	0.90	0.52	0.23	0.23	0.20	0.22	0.21	0.20	0.20
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:27DEG  
Operators:SENPU  
Test Date:2021-07-22

γ Range: 0 - 100DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:12.000V I:0.6730A P:8.0760W PF:1.0000 Freq:0Hz Lamp Flux:699.781x1 lm		
NAME: 12-120-3256-32	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	240	240	240	240	241														
5	239	239	239	240	240														
10	236	236	236	237	237														
15	231	231	231	232	232														
20	224	224	224	225	225														
25	215	215	215	216	216														
30	204	205	205	205	206														
35	192	192	192	193	193														
40	178	178	178	179	179														
45	162	163	163	164	164														
50	145	146	146	147	147														
55	127	128	127	129	129														
60	108	108	108	109	109														
65	86.9	88.2	87.1	88.9	88.6														
70	66.0	67.3	66.8	67.7	67.4														
75	45.6	46.4	45.6	46.7	46.2														
80	26.6	27.1	26.5	27.0	26.4														
85	10.8	11.5	10.9	11.0	10.2														
90	2.37	2.52	2.13	1.93	1.62														
95	0.22	0.32	0.38	0.40	0.56														
100	0.20	0.19	0.20	0.23	0.29														
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: 27DEG  
 Operators: SENPU  
 Test Date: 2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks: