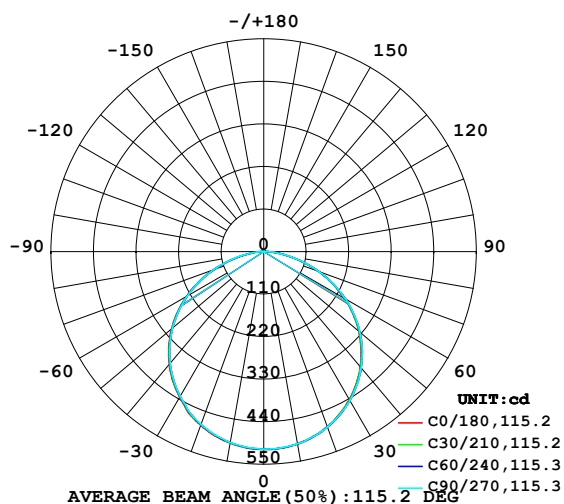


## LUMINAIRE PHOTOMETRIC TEST REPORT

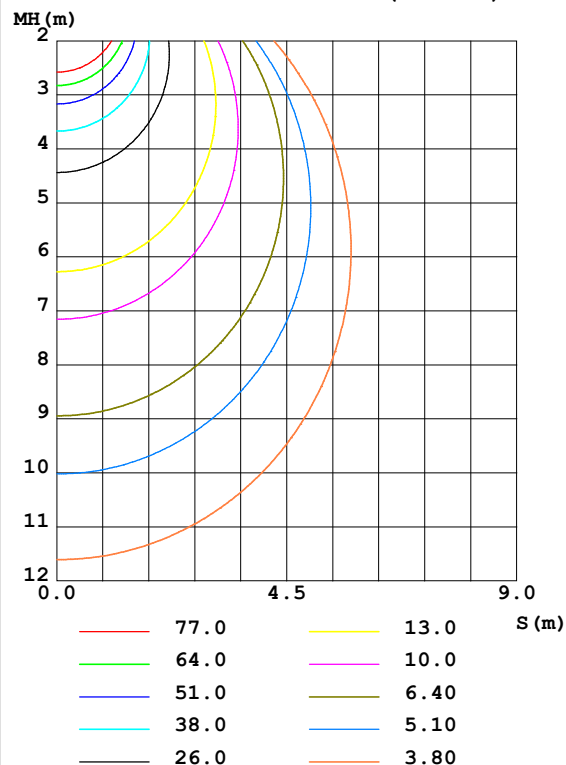
Test:U:12.000V I:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm		
NAME: 12-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.07 lm/W			
MODEL		Imax(cd)	512.4	S/MH(C0/180)	1.27
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	1499.3	$\eta$ UP,DN(C0-180)	0.1,51.1
NOMINAL FLUX(lm)	1499.29	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,48.8
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:

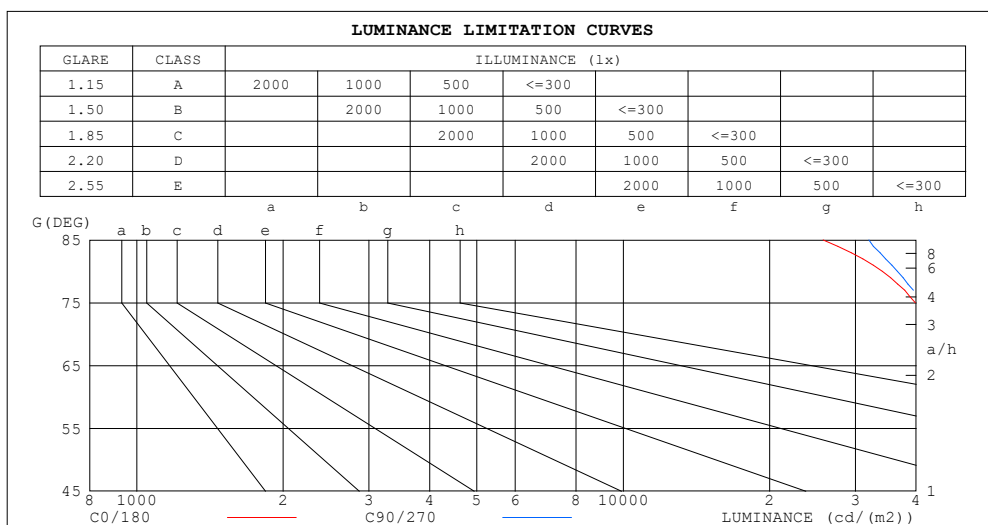
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	504.6	505.3	504.5	504.9	502.9	501.2	500.8	502.0	0- 10	48.43	48.43	3.23,3.23
20	481.3	481.9	482.6	482.5	477.9	475.3	475.2	476.5	10- 20	139.3	187.7	12.5,12.5
30	442.2	441.9	445.1	442.1	435.2	434.1	432.0	435.7	20- 30	212.6	400.3	26.7,26.7
40	388.4	388.7	392.2	389.1	380.2	378.2	376.8	380.2	30- 40	258.6	658.9	43.9,43.9
50	320.9	323.1	324.9	321.9	311.5	308.6	307.9	311.0	40- 50	271.4	930.3	62.1,62.1
60	239.8	244.0	243.7	241.5	230.1	225.6	226.7	228.7	50- 60	247.6	1178	78.6,78.6
70	149.6	153.9	152.9	151.3	139.4	135.0	137.3	138.9	60- 70	188.3	1366	91.1,91.1
80	59.20	62.87	63.56	61.14	49.72	47.89	50.72	52.72	70- 80	104.8	1471	98.1,98.1
90	2.252	5.661	1.885	6.595	1.310	2.512	0.2105	3.636	80- 90	26.84	1498	99.9,99.9
100	0.5558	0.5933	0.4056	1.202	0.3530	0.3380	0.2779	0.3455	90-100	1.392	1499	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0310	1499	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1499	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1499	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1499	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1499	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1499	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1499	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1499	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:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm		
NAME: 12-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	25767	31978
80	34089	36601
75	39872	41252
70	43728	44695
65	46222	47093
60	47968	48735
55	49191	49888
50	49916	50550
45	50387	50952

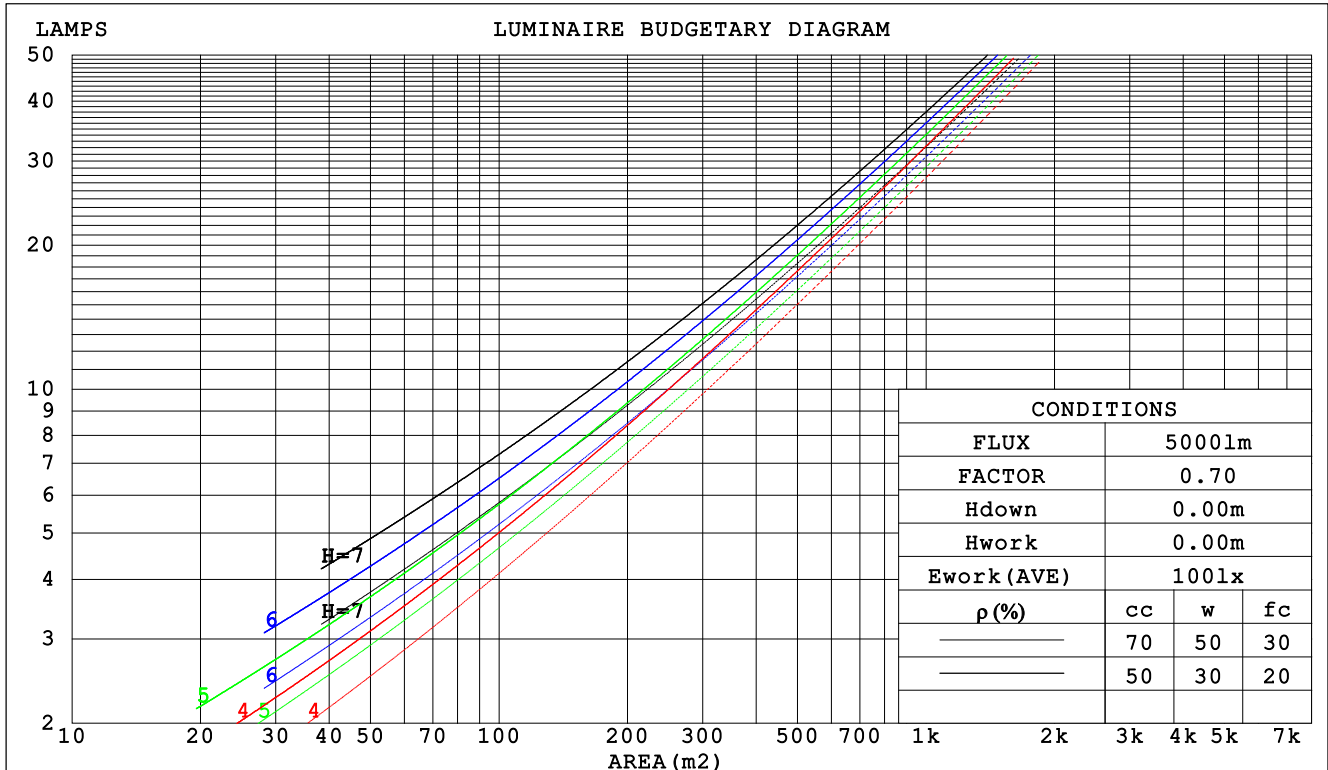
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 27DEG  
Operators: SENPU  
Test Date: 2021-07-22

$\gamma$  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:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm		
NAME: 12-120-3256	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	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	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.90	.83	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.78	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.52	.62	.56	.52	.50
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.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:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm								
NAME: 12-120-3256				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	.290	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.293	.160	.049	.286	.158	.049	.275	.153	.047	.264	.148	.046	.254	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.041	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.117	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033	
6.0	.214	.108	.031	.211	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.026	.177	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.084	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.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	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.135	.155	.135	.116	.106	.093	.080	.061	.054	.047	.020	.017	.015	
2.0	.173	.133	.099	.148	.114	.085	.102	.079	.059	.059	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.142	.099	.065	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.059	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.042	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.024	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.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:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm										
NAME: 12-120-3256					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	26.6	28.1	26.8	28.3	28.5	26.6	28.2	26.9	28.4	28.6
3H	28.1	29.5	28.4	29.8	30.0	28.2	29.6	28.5	29.8	30.1
4H	28.7	30.0	29.0	30.3	30.6	28.8	30.2	29.1	30.4	30.7
6H	29.1	30.4	29.4	30.6	30.9	29.2	30.5	29.6	30.8	31.1
8H	29.2	30.4	29.6	30.7	31.0	29.4	30.6	29.7	30.9	31.2
12H	29.3	30.4	29.6	30.7	31.0	29.4	30.6	29.8	30.9	31.2
4H 2H	27.2	28.5	27.5	28.8	29.1	27.3	28.6	27.6	28.9	29.1
3H	28.9	30.1	29.3	30.4	30.7	29.0	30.2	29.4	30.5	30.8
4H	29.6	30.7	30.0	31.0	31.4	29.7	30.8	30.1	31.1	31.5
6H	30.2	31.1	30.6	31.5	31.8	30.3	31.2	30.7	31.6	32.0
8H	30.3	31.2	30.7	31.6	32.0	30.5	31.4	30.9	31.7	32.1
12H	30.4	31.2	30.8	31.6	32.0	30.6	31.4	31.0	31.8	32.2
8H 4H	29.9	30.8	30.3	31.2	31.6	30.0	30.9	30.4	31.3	31.6
6H	30.6	31.3	31.0	31.7	32.1	30.7	31.4	31.1	31.8	32.3
8H	30.8	31.5	31.3	31.9	32.3	31.0	31.6	31.4	32.0	32.5
12H	31.0	31.5	31.4	32.0	32.4	31.2	31.7	31.6	32.2	32.7
12H 4H	29.9	30.7	30.4	31.1	31.5	30.0	30.8	30.4	31.2	31.6
6H	30.6	31.3	31.1	31.7	32.2	30.7	31.4	31.2	31.8	32.3
8H	30.9	31.5	31.4	31.9	32.4	31.0	31.6	31.5	32.1	32.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 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, 1499 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.4$ )

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:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm		
NAME: 12-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

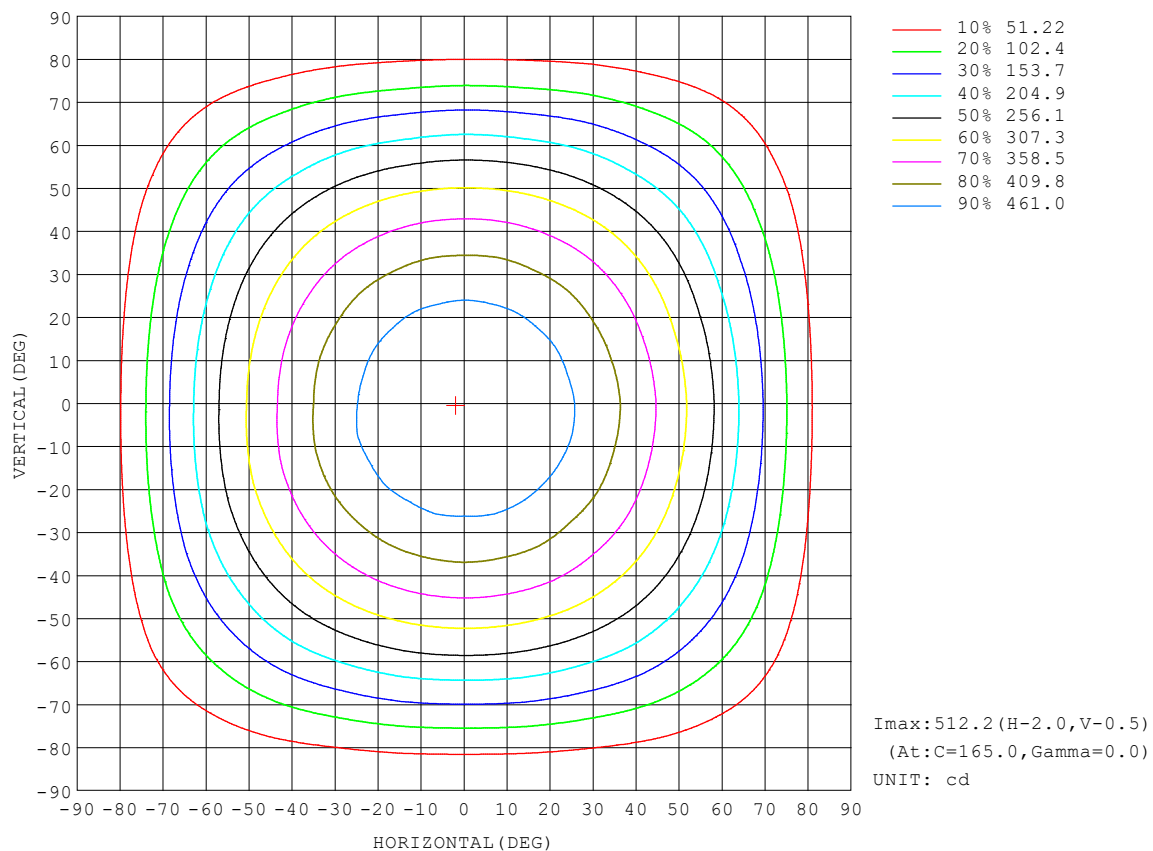
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	56
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:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm		
NAME: 12-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



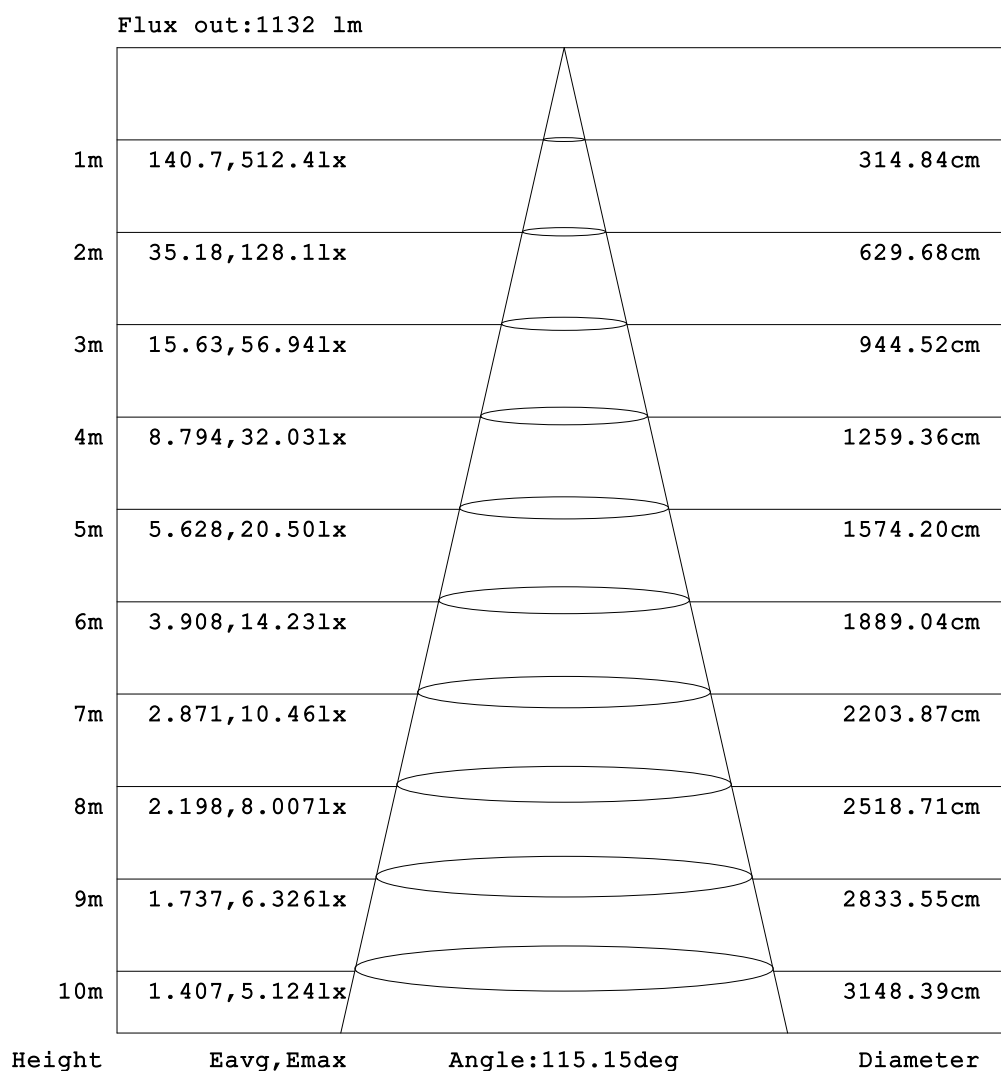
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:27DEG  
Operators:SENPU  
Test Date:2021-07-22

$\gamma$  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:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm		
NAME: 12-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



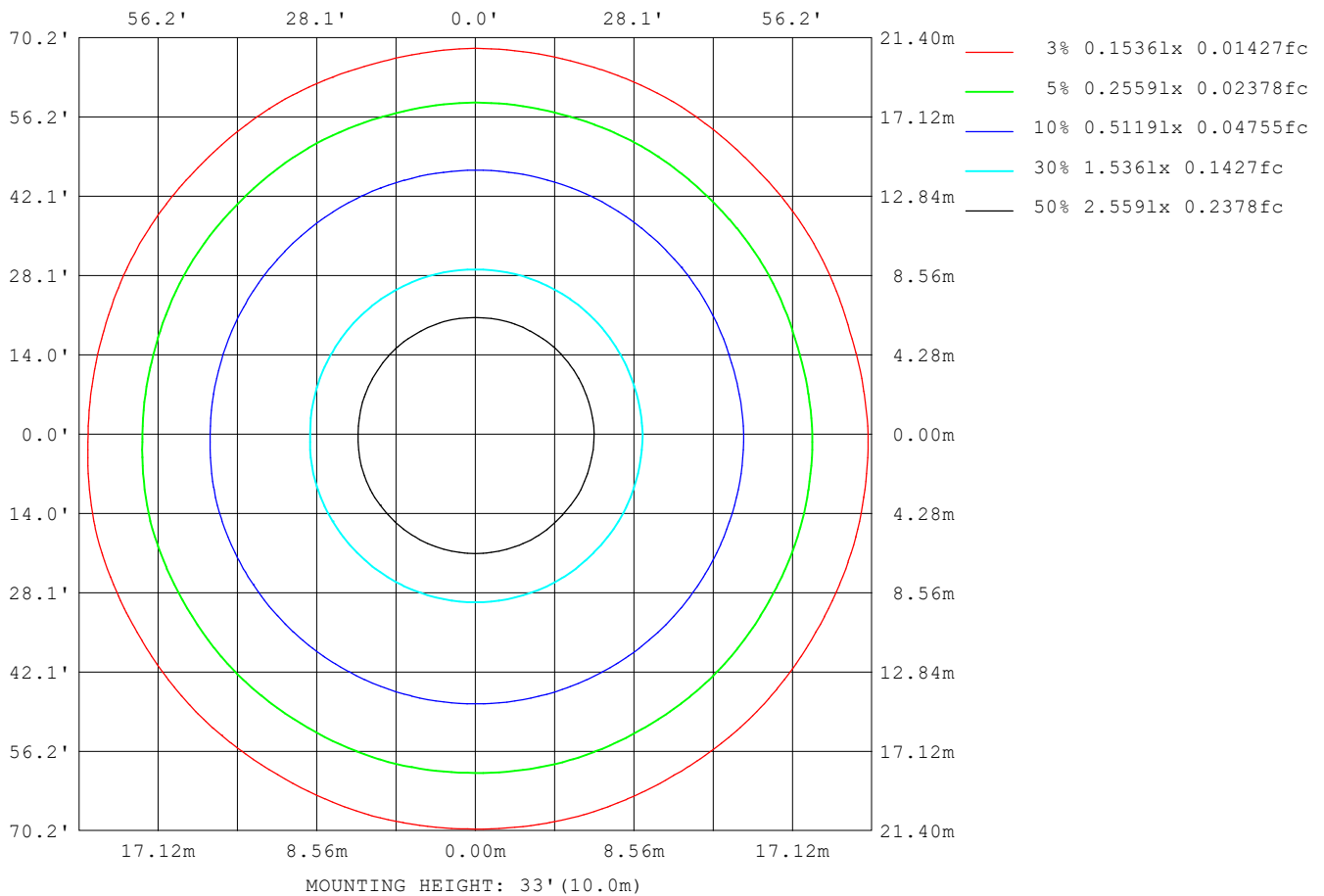
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm		
NAME: 12-120-3256	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:

## LED Avg.L Report

Test:U:12.000V I:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm		
NAME: 12-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

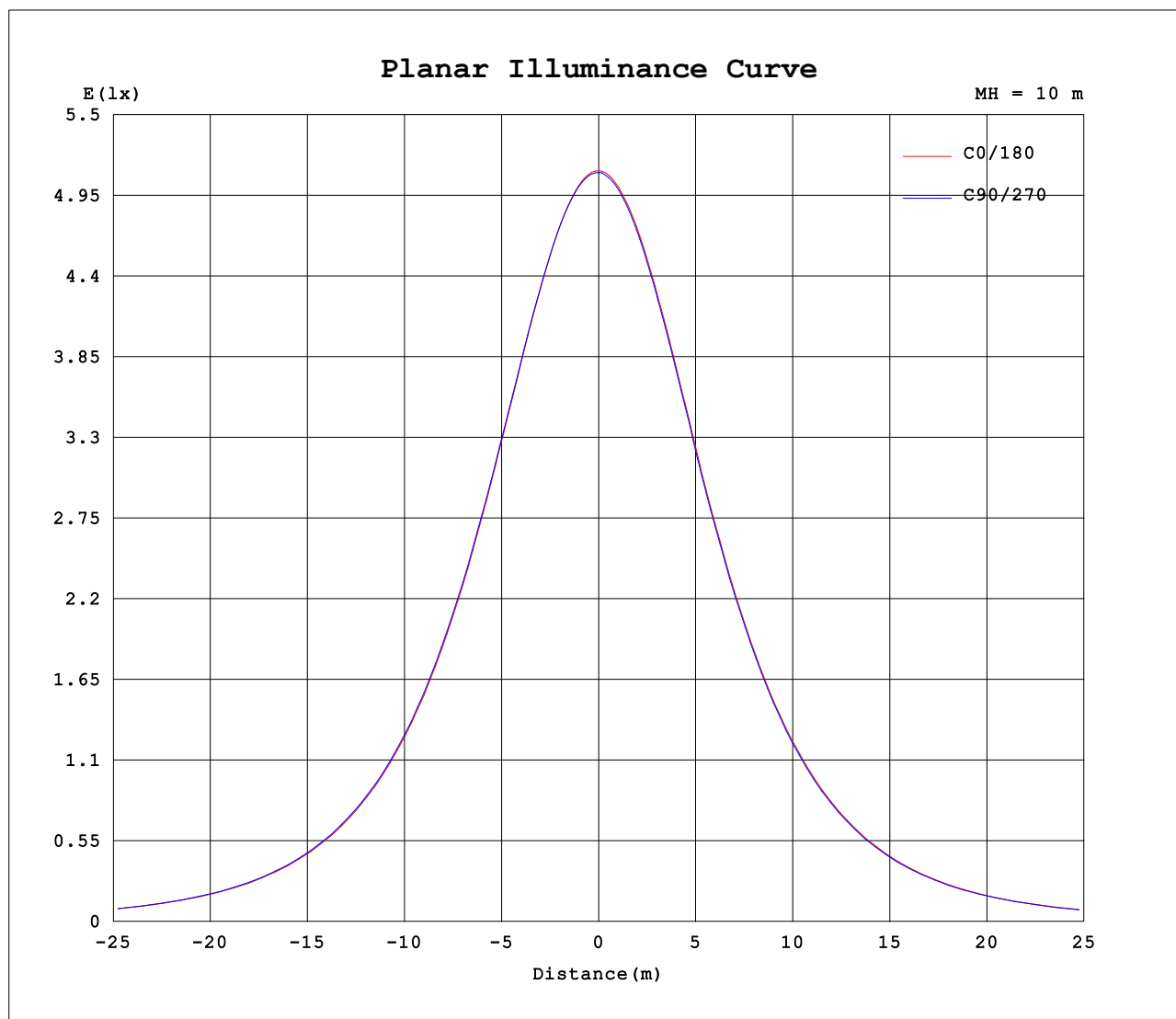
AvgL	cd/m2
L_0~180 (65) av	45076
L_0~180 (75) av	37894
L_0~180 (85) av	21871
L_90~270 (65) av	45154
L_90~270 (75) av	38423
L_90~270 (85) av	26657
L_45 (65) av	45087
L_45 (75) av	38235
L_45 (85) av	25577

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

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:

## 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:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm		
NAME: 12-120-3256	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	512	512	511	511	511	511	511	511	511	511	512	512	512	512	511	511	511	511	511
5	510	511	510	510	510	510	509	510	509	510	510	511	509	509	509	508	508	508	508
10	505	505	505	505	505	505	505	505	504	505	504	505	503	502	502	501	501	501	501
15	495	496	496	496	496	497	496	496	495	496	495	495	492	491	491	490	490	490	490
20	481	482	482	482	483	484	483	483	482	483	481	482	478	477	476	475	476	475	475
25	464	465	465	465	466	467	466	467	465	465	464	464	460	458	458	457	458	456	457
30	442	442	444	442	445	444	445	444	444	442	442	440	435	436	433	434	432	433	432
35	417	417	419	418	421	420	420	419	419	417	417	415	410	410	407	408	407	407	406
40	388	389	390	389	392	392	392	391	391	389	388	386	380	380	378	378	377	377	377
45	356	357	358	358	360	360	360	360	359	357	356	354	347	347	345	345	344	344	344
50	321	322	323	323	325	325	325	324	323	322	321	319	312	310	309	309	308	308	308
55	282	283	284	285	286	286	286	286	284	283	281	280	272	271	270	269	269	268	269
60	240	242	242	244	244	245	244	244	242	242	239	238	230	227	228	226	226	225	227
65	195	198	198	200	199	201	199	200	197	197	194	194	186	183	183	181	182	180	183
70	150	152	152	154	153	155	153	154	151	151	148	148	139	137	137	135	136	135	137
75	103	106	105	107	106	108	107	108	105	105	102	101	93.0	90.5	90.9	89.4	91.0	90.6	92.1
80	59.2	61.1	60.7	62.9	62.6	64.3	63.6	63.9	61.6	61.1	58.0	57.1	49.7	47.7	48.3	47.9	49.9	49.9	50.7
85	22.5	23.8	24.4	26.7	27.3	28.3	27.9	28.6	26.9	25.8	23.0	21.3	15.7	14.4	15.8	16.4	18.4	18.8	18.6
90	2.25	2.74	3.71	5.66	6.83	7.53	1.88	7.95	7.56	6.59	4.74	3.30	1.31	1.21	1.84	2.51	3.38	3.62	0.21
95	0.62	0.59	0.85	1.34	2.05	2.24	0.40	2.15	2.57	2.12	1.56	0.94	0.37	0.44	0.36	0.47	0.50	0.28	0.26
100	0.56	0.53	0.50	0.59	1.08	1.28	0.41	0.95	1.43	1.20	0.82	0.50	0.35	0.33	0.35	0.34	0.32	0.28	0.28
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:1.3570A P:16.284W PF:1.0000 Freq:0Hz Lamp Flux:1499.29x1 lm		
NAME: 12-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ (DEG)	C (DEG)																		
	285	300	315	330	345														
0	511	511	511	512	512														
5	508	508	509	509	510														
10	501	501	502	503	504														
15	490	491	491	493	493														
20	475	476	477	478	479														
25	456	458	458	460	461														
30	434	433	436	436	438														
35	408	407	410	410	413														
40	378	378	380	381	383														
45	345	345	347	348	350														
50	309	309	311	313	314														
55	269	271	271	274	275														
60	226	228	229	232	232														
65	182	185	184	188	188														
70	137	139	139	142	142														
75	92.5	94.6	94.2	96.4	96.2														
80	51.5	53.4	52.7	53.9	53.2														
85	20.2	21.3	20.3	20.4	18.9														
90	4.21	4.46	3.64	2.97	1.94														
95	0.38	0.56	0.58	0.47	0.48														
100	0.30	0.28	0.35	0.35	0.42														
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: