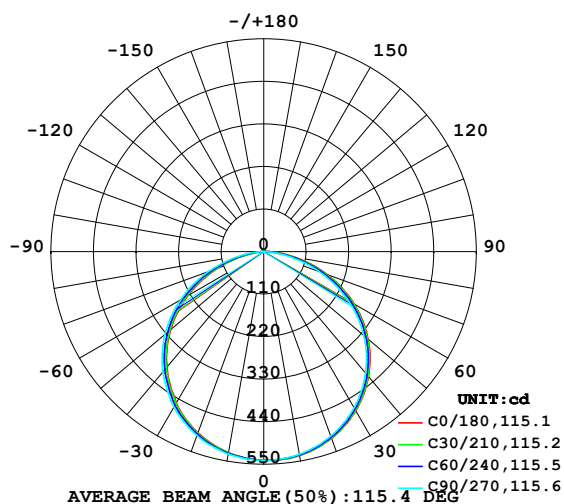


## LUMINAIRE PHOTOMETRIC TEST REPORT

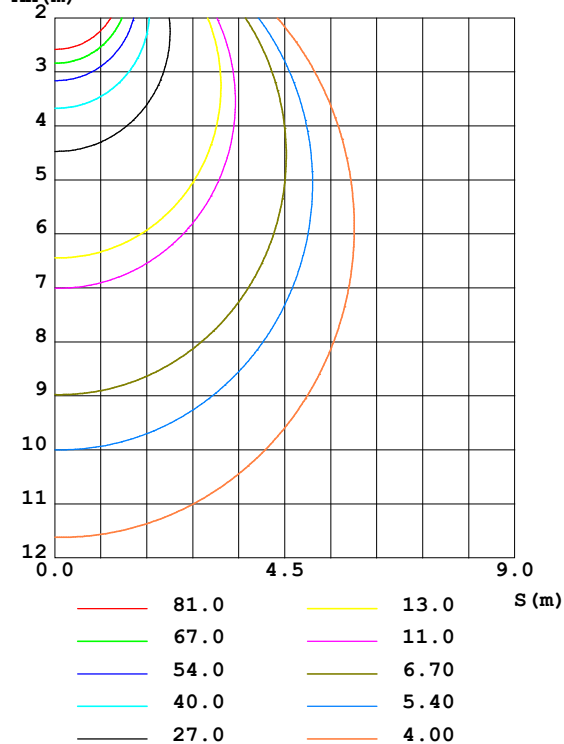
Test:U:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm		
NAME: 24-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.26 lm/W			
MODEL		I <sub>max</sub> (cd)	540.6	S/MH (C0/180)	1.24
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	1580.2	η UP, DN (C0-180)	0.0, 50.6
NOMINAL FLUX (lm)	1580.24	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.4
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	100.0	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: 2021-07-21

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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

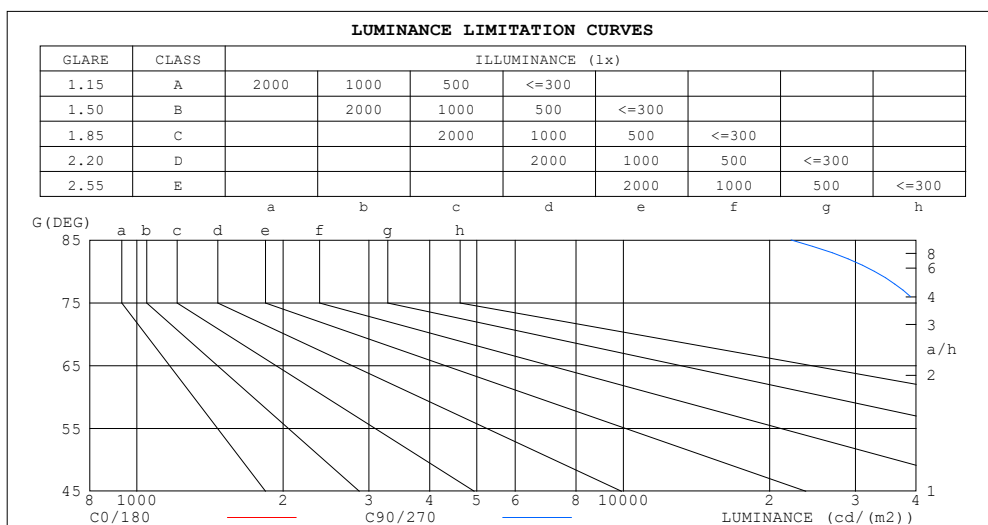
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	535.2	534.4	532.0	529.8	527.7	528.1	531.1	533.3	0- 10	51.13	51.13	3.24,3.24
20	513.4	512.4	507.6	503.3	498.4	500.0	506.0	510.0	10- 20	147.1	198.3	12.5,12.5
30	475.4	473.8	466.8	460.3	452.2	455.9	464.7	470.5	20- 30	224.8	423.1	26.8,26.8
40	421.4	417.2	409.9	398.9	389.8	395.7	405.4	414.8	30- 40	273.6	696.7	44.1,44.1
50	352.6	347.8	337.8	325.2	314.3	321.0	333.7	344.5	40- 50	287.1	983.9	62.3,62.3
60	270.2	264.4	251.8	237.7	225.6	231.2	248.3	260.7	50- 60	261.8	1246	78.8,78.8
70	175.3	169.8	153.6	140.2	127.8	134.2	152.3	164.9	60- 70	198.7	1444	91.4,91.4
80	78.89	72.31	57.02	46.30	36.34	42.35	57.11	69.09	70- 80	109.4	1554	98.3,98.3
90	7.014	4.515	0.4574	0.6528	0.3529	0.5263	0.1727	3.737	80- 90	25.74	1580	100,100
100	0.5933	0.3981	0.3755	0.4056	0.2629	0.2403	0.2253	0.2928	90-100	0.6668	1580	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0199	1580	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1580	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1580	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1580	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1580	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1580	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1580	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1580	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:2021-07-21

$\gamma$  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:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm		
NAME: 24-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	41778	22130
80	45430	32834
75	48933	40154
70	51264	44910
65	52784	47987
60	54032	50354
55	54546	51673
50	54849	52558
45	54977	53153

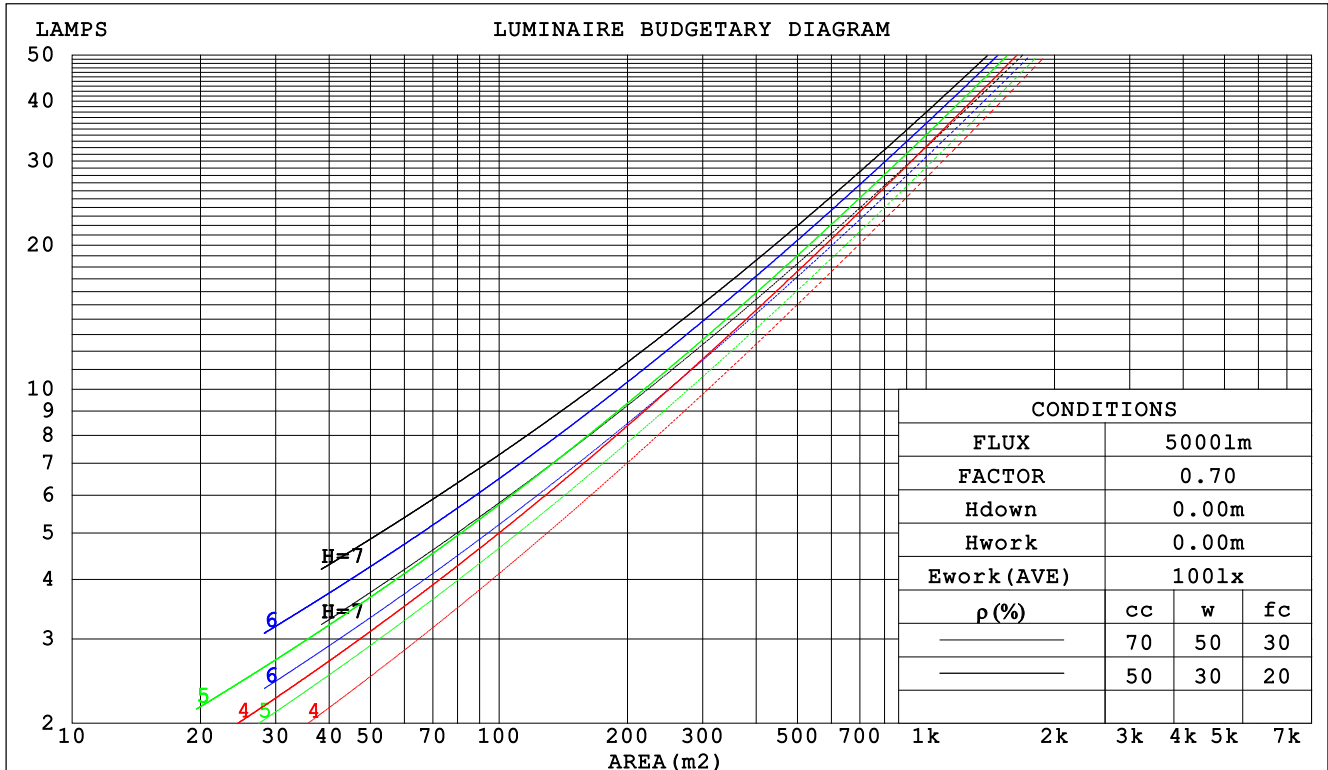
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 27DEG  
Operators: SENPU  
Test Date: 2021-07-21

$\gamma$  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:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm		
NAME: 24-120-3256	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	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.54	.69	.61	.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	.28	.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: 2021-07-21

$\gamma$  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:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm								
NAME: 24-120-3256				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	.308	.175	.056	.301	.172	.055	.288	.165	.053	.276	.159	.051	.264	.153	.049		
2.0	.291	.160	.049	.285	.157	.048	.274	.152	.047	.263	.147	.046	.253	.143	.045		
3.0	.270	.144	.043	.265	.142	.043	.254	.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	.178	.092	.027		
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.084	.024	.172	.084	.023	.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	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.135	.154	.134	.116	.106	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.173	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.115	.075	.141	.099	.065	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.059	.135	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.079	.041	.089	.055	.029	.051	.032	.017	.017	.011	.006	
6.0	.143	.083	.039	.123	.072	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.076	.033	.117	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.025	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.123	.065	.025	.106	.056	.022	.074	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: SENPU  
 Test Date: 2021-07-21

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:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm											
NAME: 24-120-3256					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	27.1	28.6	27.3	28.8	29.0	26.8	28.3	27.1	28.5	28.7	
	3H	28.7	30.1	29.0	30.4	30.6	28.3	29.7	28.6	30.0	30.2
	4H	29.4	30.8	29.7	31.0	31.3	28.9	30.2	29.2	30.5	30.7
	6H	29.9	31.2	30.3	31.5	31.7	29.2	30.5	29.6	30.8	31.1
	8H	30.1	31.3	30.4	31.6	31.9	29.3	30.5	29.7	30.8	31.1
	12H	30.2	31.4	30.6	31.7	32.0	29.3	30.5	29.7	30.8	31.1
4H	2H	27.7	29.0	28.0	29.3	29.5	27.5	28.8	27.8	29.1	29.3
	3H	29.5	30.7	29.9	31.0	31.3	29.2	30.4	29.5	30.7	31.0
	4H	30.3	31.4	30.7	31.7	32.1	29.9	31.0	30.3	31.3	31.6
	6H	31.0	31.9	31.4	32.3	32.7	30.4	31.3	30.8	31.7	32.0
	8H	31.2	32.1	31.6	32.5	32.9	30.5	31.4	30.9	31.7	32.1
	12H	31.4	32.2	31.8	32.6	33.0	30.6	31.4	31.0	31.8	32.2
8H	4H	30.6	31.5	31.0	31.9	32.3	30.2	31.1	30.6	31.5	31.8
	6H	31.4	32.2	31.9	32.6	33.0	30.8	31.6	31.3	32.0	32.4
	8H	31.7	32.4	32.2	32.8	33.3	31.0	31.7	31.5	32.1	32.6
	12H	32.0	32.6	32.5	33.0	33.5	31.2	31.7	31.6	32.2	32.6
12H	4H	30.6	31.4	31.0	31.8	32.2	30.2	31.0	30.7	31.4	31.8
	6H	31.5	32.1	31.9	32.5	33.0	30.9	31.6	31.4	32.0	32.4
	8H	31.8	32.4	32.3	32.8	33.3	31.2	31.7	31.6	32.2	32.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 1580 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.6$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 27DEG  
 Operators: SENPU  
 Test Date: 2021-07-21

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:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm		
NAME: 24-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

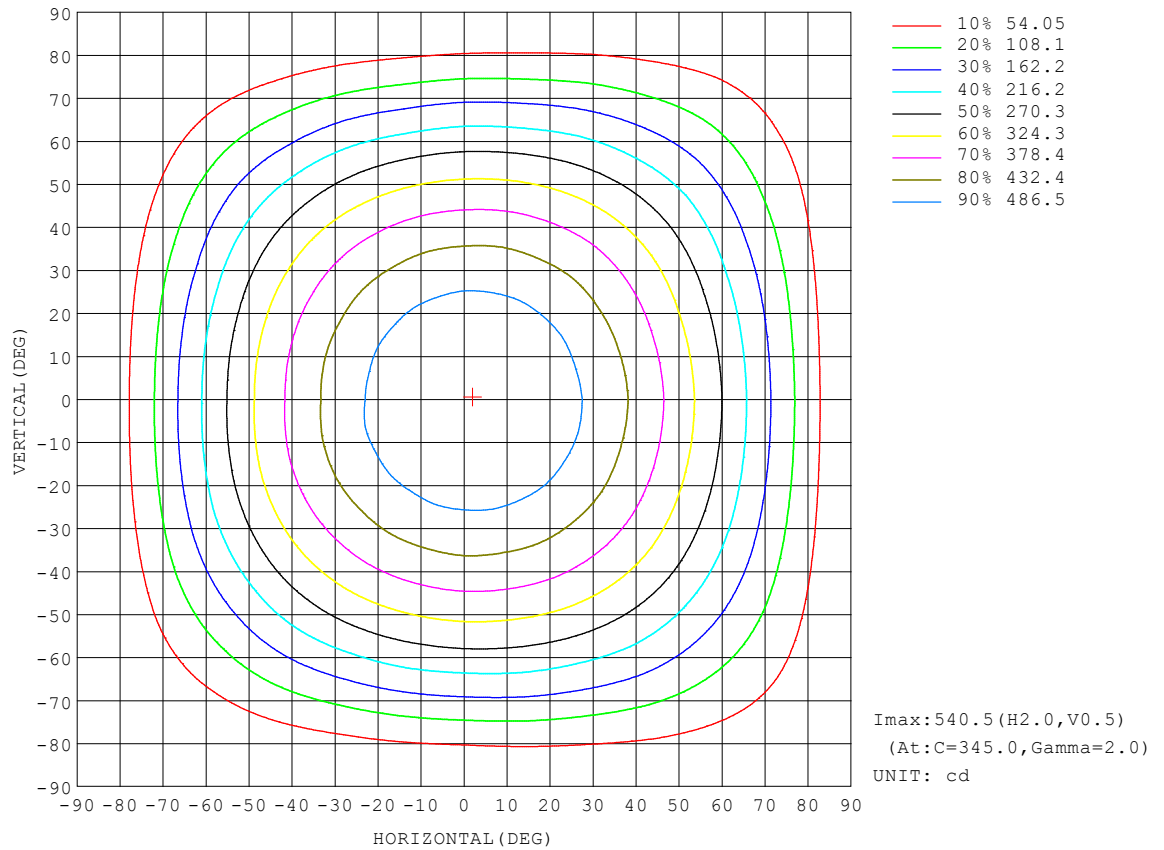
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	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	71	83	75	69	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	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: 2021-07-21

$\gamma$  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:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm		
NAME: 24-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



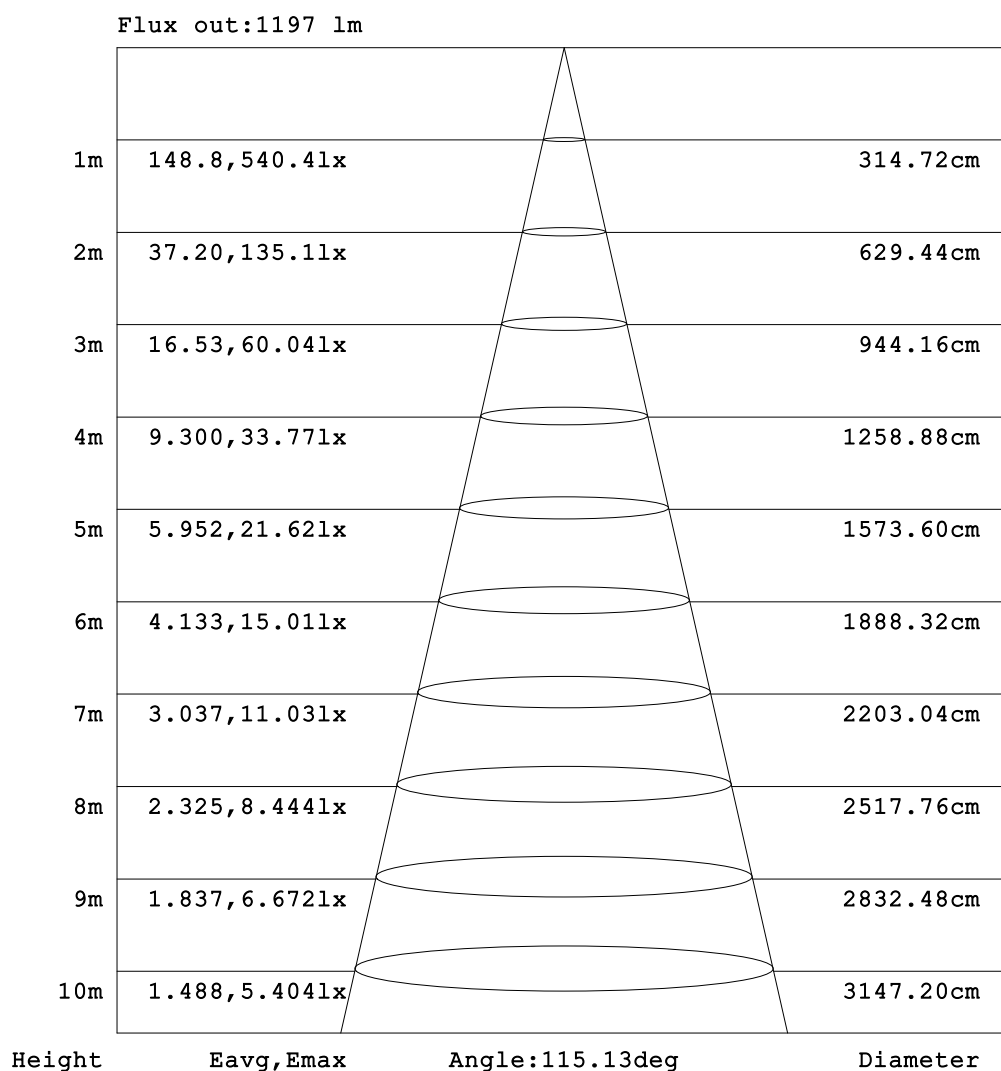
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:27DEG  
Operators:SENPU  
Test Date:2021-07-21

$\gamma$  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:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm		
NAME: 24-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



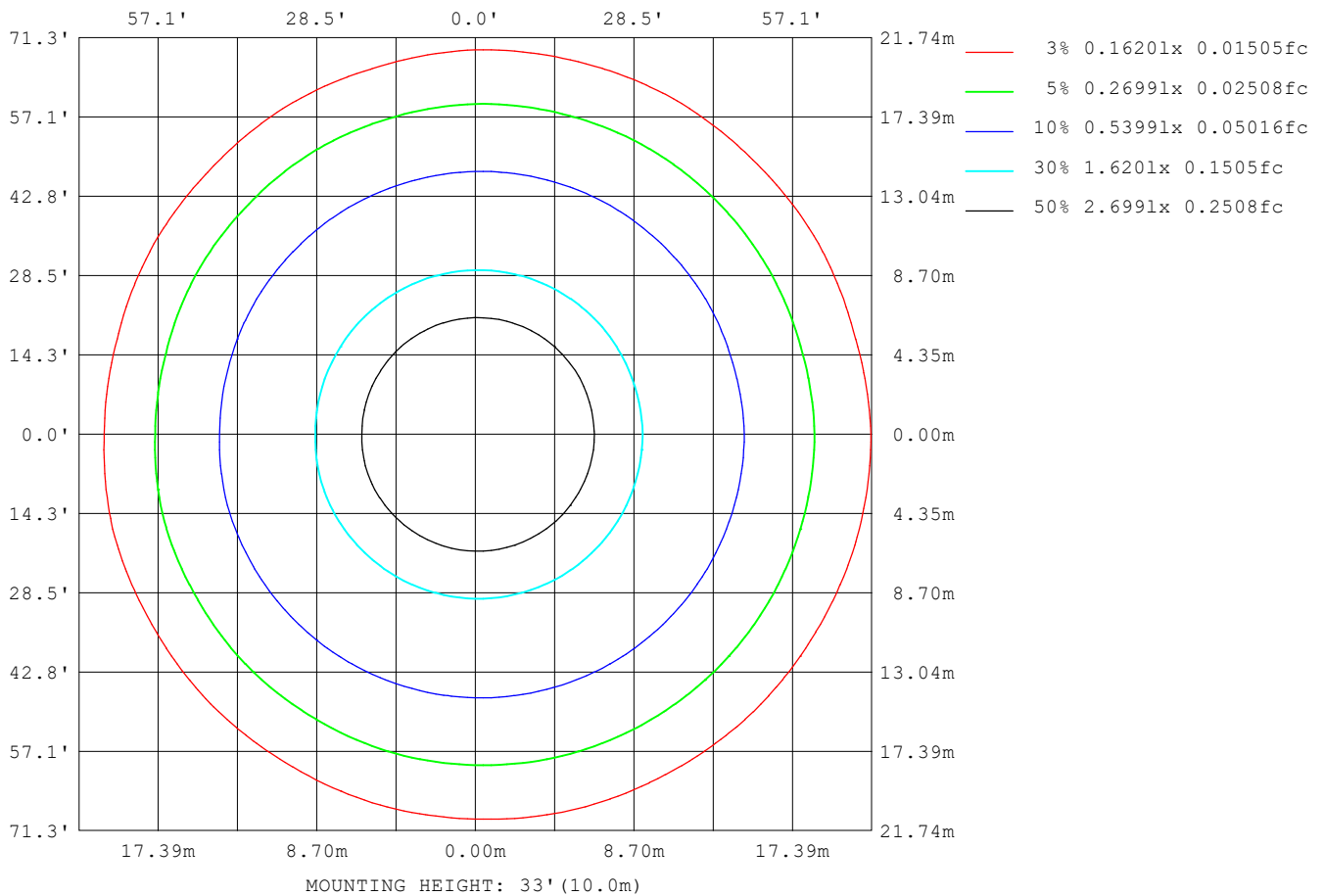
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:SENPU  
 Test Date:2021-07-21

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:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm		
NAME: 24-120-3256	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: 2021-07-21

$\gamma$  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:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm		
NAME: 24-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

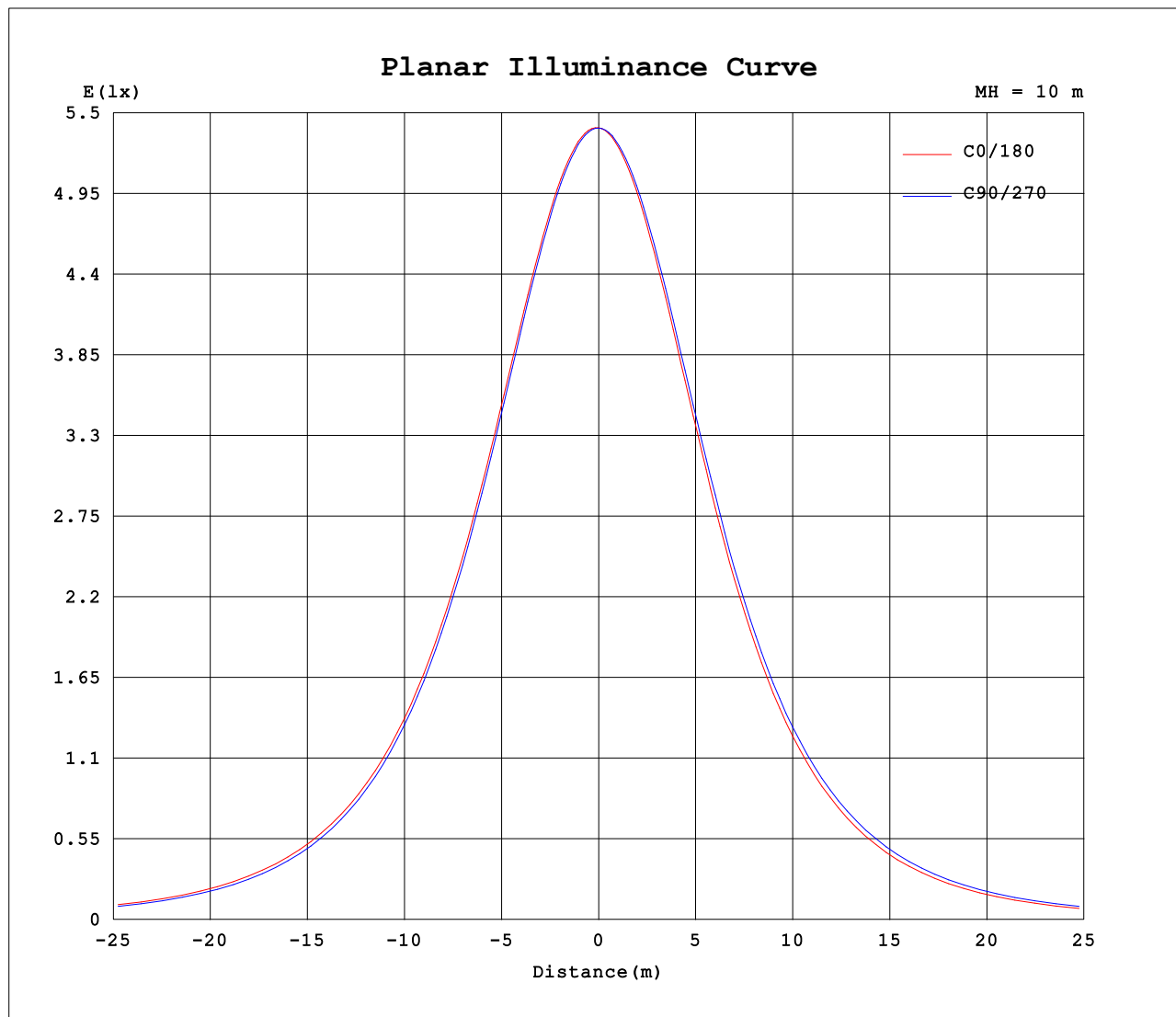
AvgL	cd/m2
L_0~180 (65) av	47371
L_0~180 (75) av	39823
L_0~180 (85) av	24646
L_90~270 (65) av	47816
L_90~270 (75) av	40026
L_90~270 (85) av	22081
L_45 (65) av	47546
L_45 (75) av	39907
L_45 (85) av	23654

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:27DEG  
 Operators:SENPU  
 Test Date:2021-07-21

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: 2021-07-21

$\gamma$  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:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm		
NAME: 24-120-3256	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	540	540	540	539	540	540	540	540	540	540	540	540	540	540	540	539	540	540	540
5	540	539	539	539	539	538	538	538	537	537	537	537	536	536	536	536	536	537	537
10	535	535	535	534	534	533	532	531	530	530	529	529	528	527	528	528	529	530	531
15	526	527	526	526	524	523	522	521	519	519	517	518	515	515	516	516	518	519	521
20	513	514	513	512	511	510	508	507	504	503	501	502	498	498	499	500	502	504	506
25	496	497	495	495	493	492	489	488	485	484	481	481	478	477	479	480	483	484	487
30	475	476	474	474	471	470	467	465	461	460	457	458	452	452	454	456	459	461	465
35	450	449	449	447	445	442	440	436	434	430	429	427	422	424	424	428	429	434	436
40	421	420	420	417	416	412	410	405	403	399	397	395	390	391	392	396	398	403	405
45	389	387	387	384	382	379	376	371	368	364	362	360	354	355	357	360	363	368	371
50	353	351	350	348	345	341	338	333	329	325	323	321	314	315	317	321	325	329	334
55	313	312	310	308	305	300	296	291	287	283	280	278	271	271	275	278	283	287	292
60	270	269	267	264	261	256	252	247	241	238	233	232	226	225	229	231	238	242	248
65	223	223	220	218	213	209	203	199	193	190	185	184	177	176	181	183	190	193	201
70	175	175	172	170	164	160	154	149	143	140	135	135	128	127	132	134	141	145	152
75	127	126	123	120	115	111	104	100.0	93.8	91.0	86.6	86.3	79.5	78.6	83.4	85.8	92.1	95.4	103
80	78.9	78.4	74.9	72.3	66.8	63.3	57.0	53.8	48.6	46.3	42.6	42.1	36.3	36.2	39.9	42.3	47.4	50.9	57.1
85	36.4	36.1	33.4	31.3	27.0	23.6	19.3	16.8	13.8	12.3	10.3	9.75	6.55	6.67	8.51	9.79	12.9	15.2	19.2
90	7.01	6.89	5.52	4.52	2.79	1.54	0.46	0.56	0.75	0.65	0.83	0.58	0.35	0.48	0.46	0.53	0.45	0.40	0.17
95	0.71	0.66	0.69	0.57	0.51	0.33	0.34	0.36	0.37	0.40	0.53	0.59	0.35	0.38	0.34	0.29	0.21	0.19	0.20
100	0.59	0.74	0.54	0.40	0.40	0.36	0.38	0.37	0.53	0.41	0.45	0.40	0.26	0.26	0.26	0.24	0.24	0.26	0.23
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:2021-07-21

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:24.000V I:0.7060A P:16.944W PF:1.0000 Freq:0Hz Lamp Flux:1580.24x1 lm		
NAME: 24-120-3256	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ (DEG)	C (DEG)																		
	285	300	315	330	345														
0	540	540	540	540	540														
5	538	538	539	539	540														
10	532	533	533	534	535														
15	521	523	524	525	525														
20	507	509	510	512	512														
25	489	491	492	494	494														
30	466	469	470	473	472														
35	440	441	444	445	447														
40	410	411	415	416	417														
45	376	378	382	382	384														
50	338	341	344	346	347														
55	297	301	303	306	307														
60	253	258	261	263	264														
65	205	211	213	217	216														
70	157	163	165	169	169														
75	107	114	116	120	120														
80	61.2	66.6	69.1	72.7	72.8														
85	22.4	27.0	29.1	31.8	31.7														
90	1.27	2.82	3.74	4.88	4.97														
95	0.20	0.31	0.47	0.46	0.53														
100	0.23	0.23	0.29	0.35	0.44														
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:2021-07-21

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: