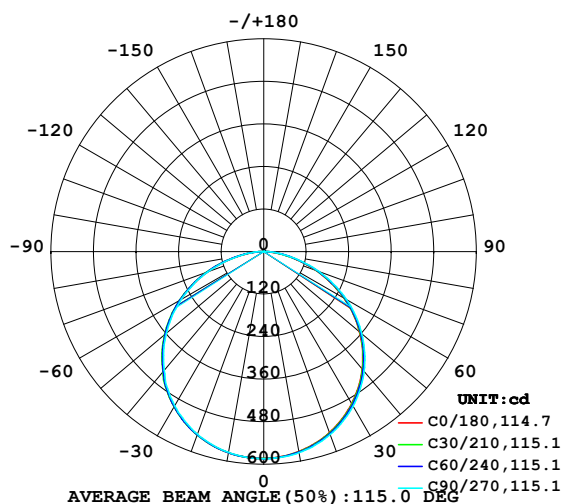


## LUMINAIRE PHOTOMETRIC TEST REPORT

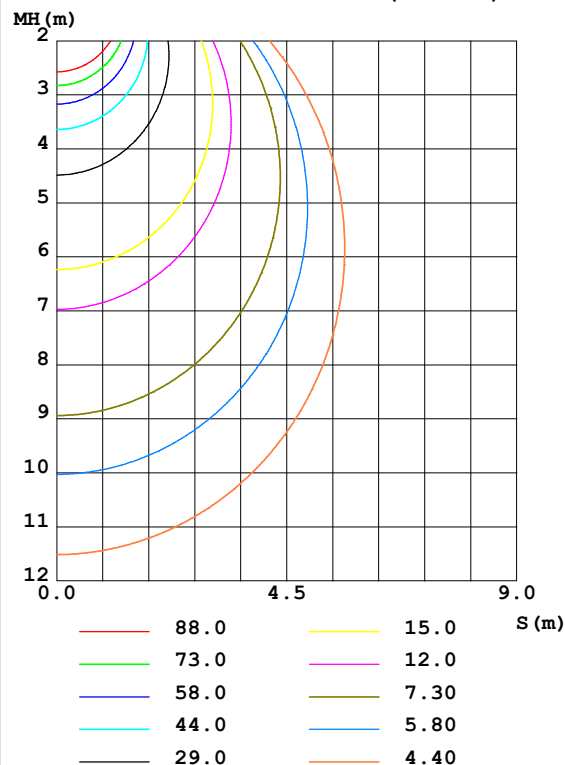
Test:U:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm		
NAME: 24-420-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.51 lm/W			
MODEL		I <sub>max</sub> (cd)	585.5	S/MH (C0/180)	1.29
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	1719.5	η UP, DN (C0-180)	0.1, 50.1
NOMINAL FLUX (lm)	1719.51	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 49.8
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η 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

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:

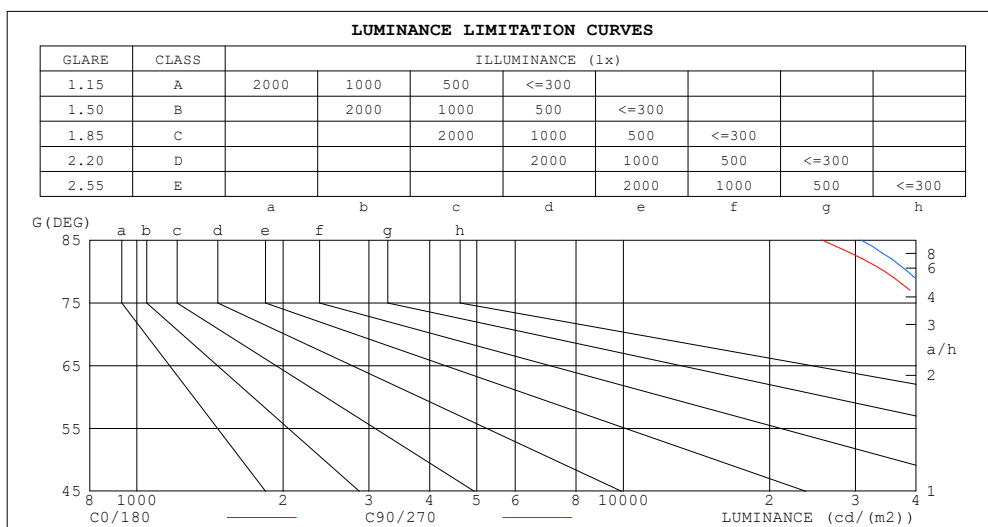
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	572.5	573.8	575.8	578.0	575.8	575.6	575.2	573.8	0- 10	55.34	55.34	3.22,3.22
20	543.1	545.9	548.9	553.1	549.5	549.3	547.9	544.3	10- 20	159.2	214.5	12.5,12.5
30	496.1	499.7	503.7	509.7	505.1	505.2	502.4	497.3	20- 30	243.1	457.7	26.6,26.6
40	432.2	434.1	440.5	447.1	441.2	443.2	437.1	433.2	30- 40	295.9	753.6	43.8,43.8
50	353.2	355.6	361.6	369.2	363.7	365.2	359.1	354.1	40- 50	309.4	1063	61.8,61.8
60	260.9	263.8	269.3	277.8	271.5	274.1	268.0	261.7	50- 60	282.1	1345	78.2,78.2
70	158.2	162.8	166.1	176.2	169.1	170.8	167.5	160.6	60- 70	215.6	1561	90.8,90.8
80	59.79	65.98	66.73	76.46	67.30	72.83	68.77	64.37	70- 80	122.3	1683	97.9,97.9
90	3.322	7.486	0.5191	9.611	2.848	7.874	0.6204	7.655	80- 90	34.01	1717	99.9,99.9
100	1.382	0.4957	0.6234	0.5182	0.8709	0.3453	0.3230	0.3304	90-100	2.524	1719	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0351	1720	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1720	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1720	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1720	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1720	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1720	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1720	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1720	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:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm		
NAME: 24-420-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	25584	30818
80	34429	38426
75	41359	44269
70	46244	48573
65	49599	51527
60	52186	53868
55	53793	55273
50	54942	56250
45	55791	56980

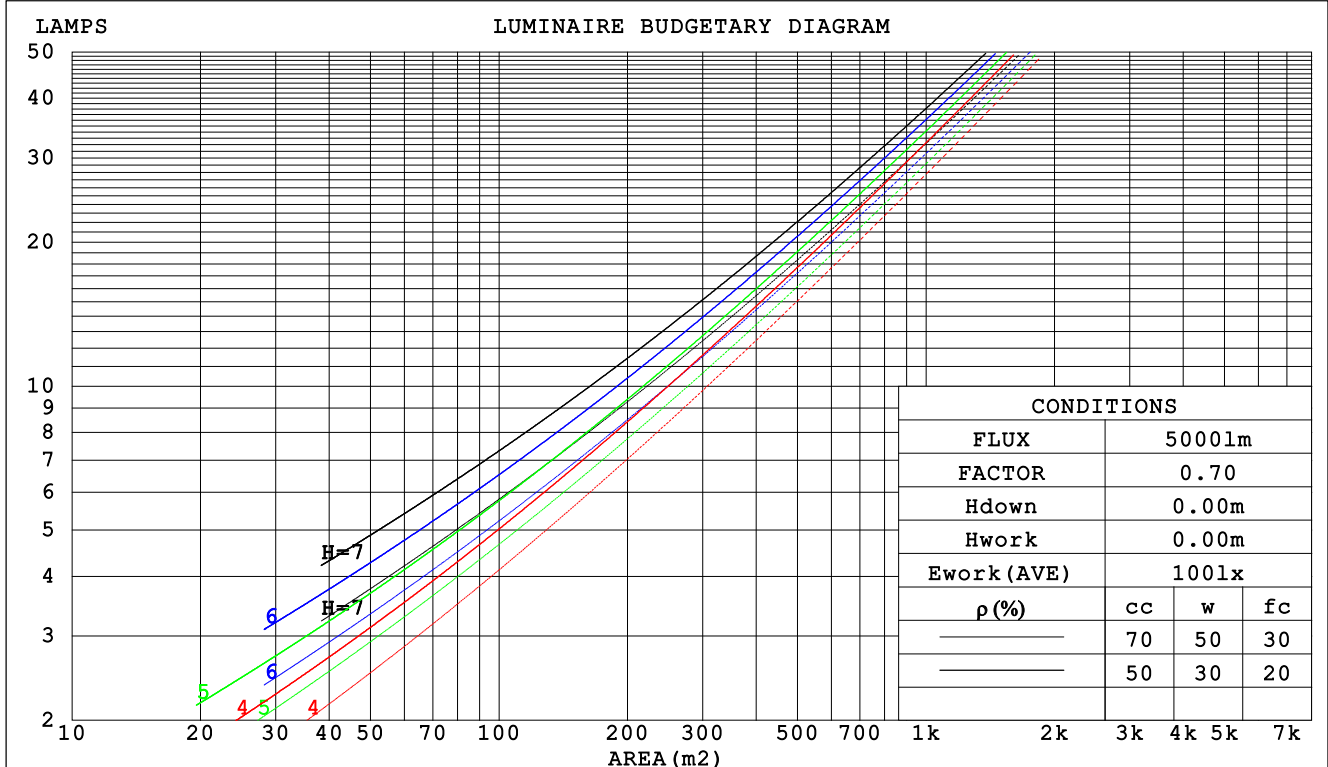
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 27DEG  
Operators: SENPU  
Test Date: 2021-07-22

$\gamma$  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:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm		
NAME: 24-420-50	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	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.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	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.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:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm					
NAME: 24-420-50			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	.313	.178	.056	.305	.174	.055	.292	.168	.053	.280	.161	.052	.268	.156	.050		
2.0	.294	.161	.049	.288	.158	.049	.276	.153	.048	.265	.149	.047	.255	.144	.045		
3.0	.272	.145	.043	.266	.143	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041		
4.0	.251	.130	.038	.246	.129	.038	.237	.125	.037	.228	.122	.037	.220	.120	.036		
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.211	.112	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.187	.091	.026	.183	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.182	.157	.135	.155	.135	.116	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.174	.133	.099	.149	.115	.085	.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	.051	.093	.062	.036	.054	.036	.021	.017	.012	.007	
5.0	.151	.092	.048	.130	.079	.042	.089	.055	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.083	.040	.124	.072	.035	.085	.051	.025	.049	.030	.015	.016	.010	.005	
7.0	.137	.077	.034	.118	.066	.030	.081	.047	.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	.119	.062	.024	.102	.053	.021	.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:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm											
NAME: 24-420-50					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	26.7	28.2	26.9	28.4	28.6	26.8	28.3	27.1	28.5	28.7	
	3H	28.2	29.6	28.5	29.8	30.0	28.3	29.7	28.6	30.0	30.2
	4H	28.7	30.1	29.0	30.3	30.6	28.9	30.3	29.2	30.5	30.8
	6H	29.1	30.3	29.4	30.6	30.9	29.3	30.6	29.6	30.8	31.1
	8H	29.1	30.4	29.5	30.7	30.9	29.4	30.6	29.8	30.9	31.2
	12H	29.2	30.4	29.5	30.7	31.0	29.5	30.7	29.8	31.0	31.3
4H	2H	27.3	28.6	27.6	28.9	29.2	27.4	28.7	27.7	29.0	29.2
	3H	28.9	30.1	29.3	30.4	30.7	29.1	30.3	29.4	30.6	30.9
	4H	29.6	30.7	30.0	31.0	31.4	29.8	30.9	30.2	31.2	31.5
	6H	30.1	31.0	30.5	31.4	31.8	30.3	31.3	30.7	31.6	32.0
	8H	30.2	31.1	30.6	31.5	31.9	30.5	31.4	30.9	31.7	32.1
	12H	30.3	31.1	30.7	31.5	31.9	30.6	31.4	31.0	31.8	32.2
8H	4H	29.9	30.8	30.3	31.1	31.5	30.0	30.9	30.4	31.3	31.7
	6H	30.5	31.2	30.9	31.6	32.1	30.7	31.4	31.1	31.8	32.3
	8H	30.7	31.3	31.1	31.8	32.2	30.9	31.6	31.4	32.0	32.5
	12H	30.8	31.4	31.3	31.8	32.3	31.1	31.7	31.6	32.1	32.6
12H	4H	29.9	30.7	30.3	31.1	31.5	30.0	30.9	30.5	31.2	31.6
	6H	30.5	31.2	31.0	31.6	32.1	30.7	31.4	31.2	31.8	32.3
	8H	30.8	31.3	31.2	31.8	32.3	31.0	31.6	31.5	32.0	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, 1720 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.9$ )

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:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm		
NAME: 24-420-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

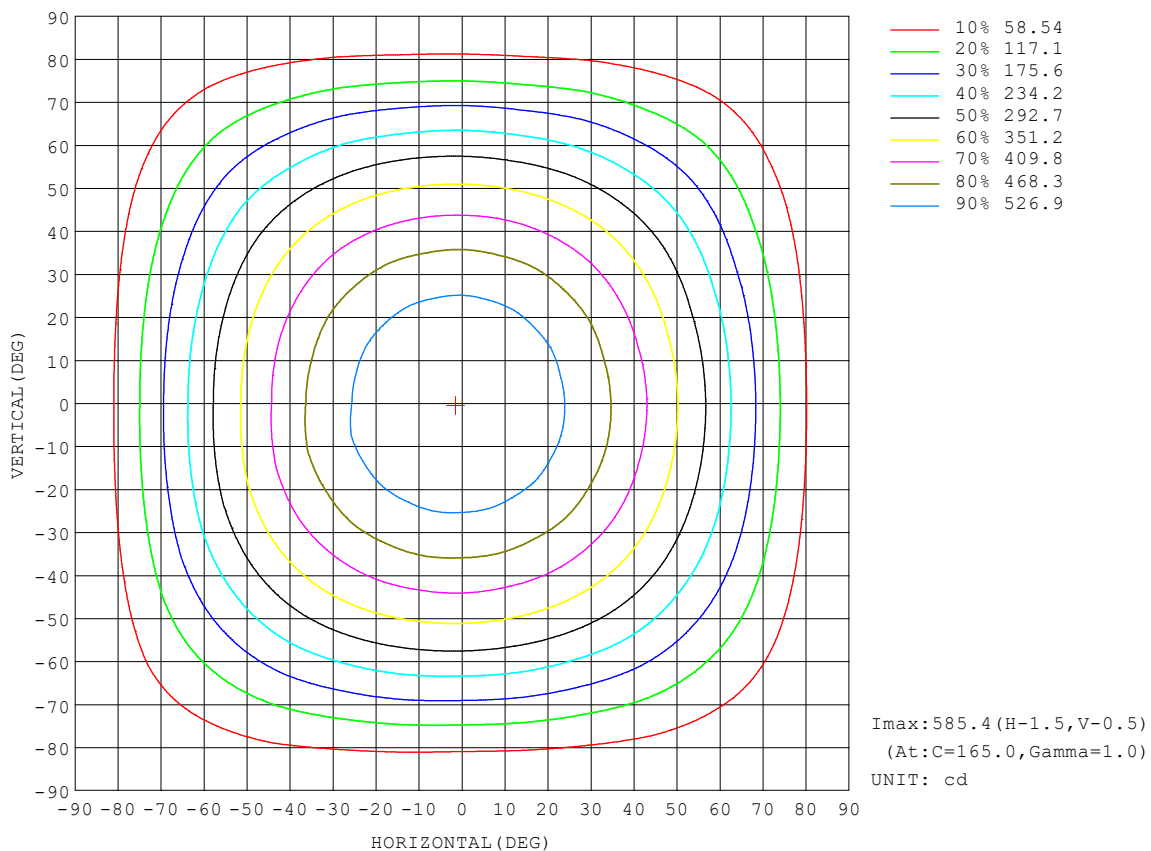
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	91	86	78
4.00	106	100	96	104	98	94	99	95	91	83
5.00	108	104	99	106	102	98	101	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:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm		
NAME: 24-420-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



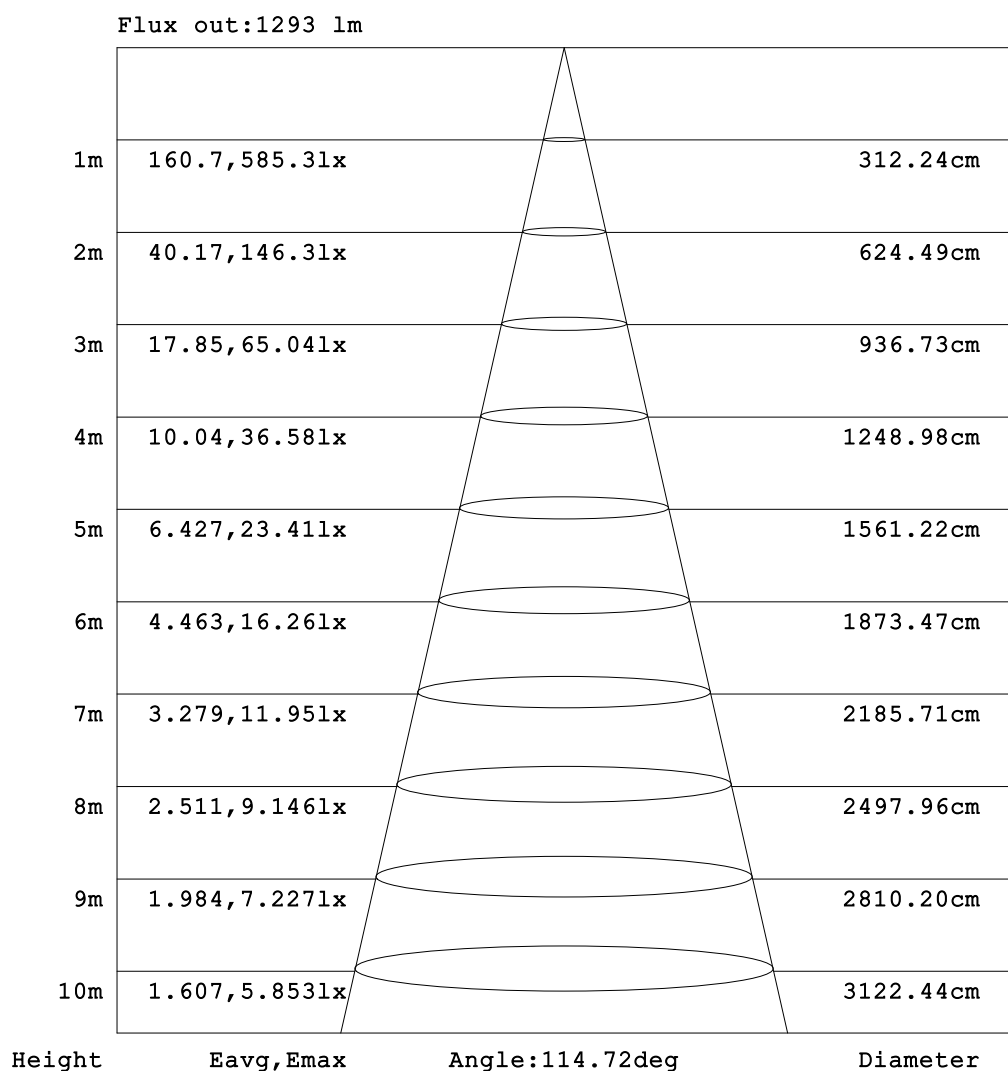
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 27DEG  
Operators: SENPU  
Test Date: 2021-07-22

$\gamma$  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:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm		
NAME: 24-420-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



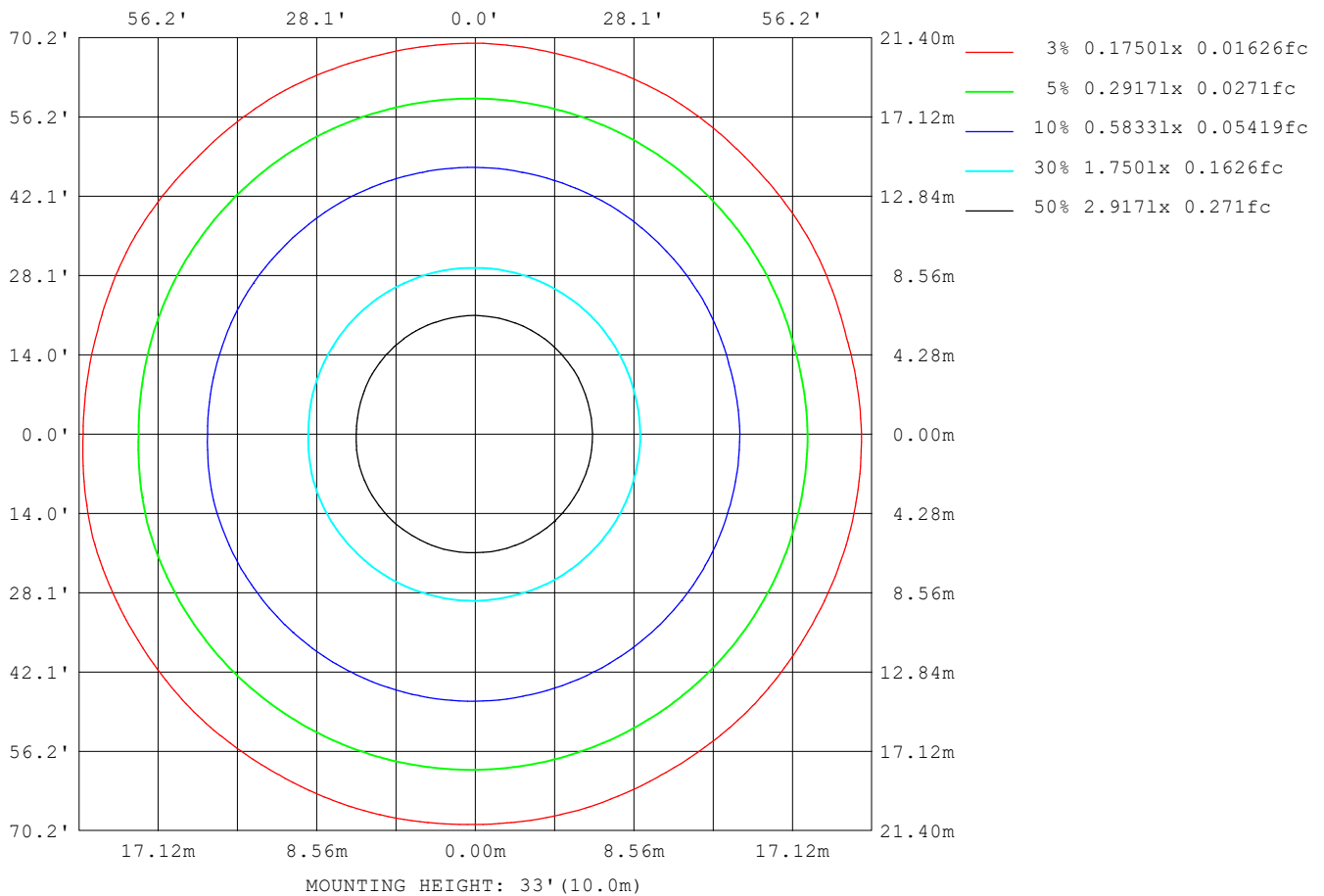
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

$\gamma$  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:

## ISOLUX DIAGRAM

Test:U:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm		
NAME: 24-420-50	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:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm		
NAME: 24-420-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

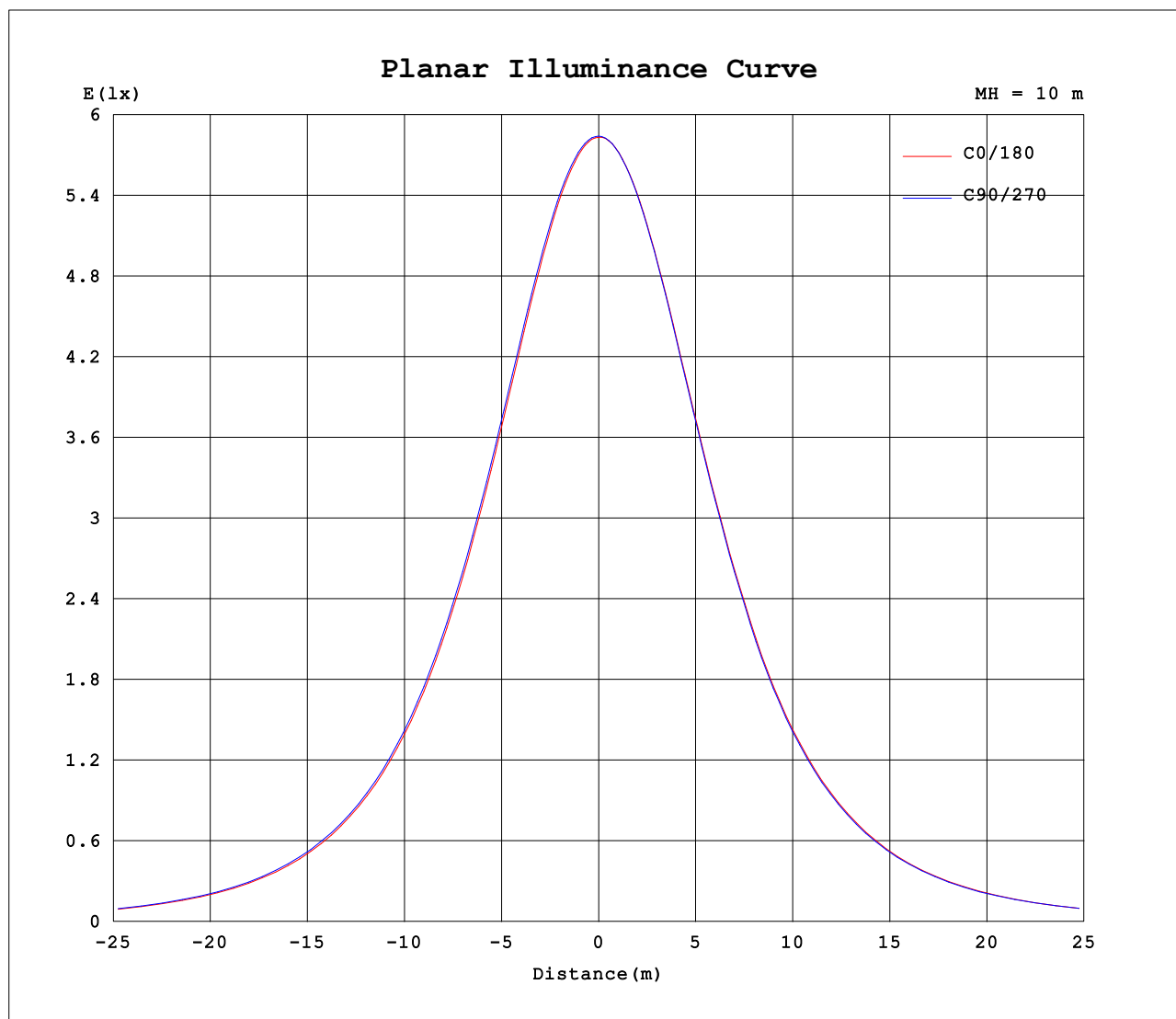
AvgL	cd/m2
L_0~180 (65) av	50988
L_0~180 (75) av	43194
L_0~180 (85) av	28037
L_90~270 (65) av	51632
L_90~270 (75) av	44620
L_90~270 (85) av	31868
L_45 (65) av	51675
L_45 (75) av	45004
L_45 (85) av	36019

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:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm		
NAME: 24-420-50	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	583	584	584	584	584	584	584	584	584	585	585	585	583	584	584	584	584	584	584
5	580	581	581	581	581	582	582	583	583	584	584	584	582	582	582	582	582	582	582
10	573	573	573	574	574	575	576	577	577	578	578	579	576	576	576	576	576	575	575
15	560	561	561	562	562	564	565	567	567	568	568	569	565	565	565	565	565	564	564
20	543	544	544	546	546	548	549	551	551	553	553	554	550	549	550	549	550	548	548
25	522	523	523	525	525	528	528	531	531	534	534	535	530	529	530	530	530	528	527
30	496	497	497	500	500	503	504	506	507	510	510	511	505	505	506	505	505	503	502
35	466	468	468	470	470	473	474	477	478	481	481	483	476	476	478	476	476	473	473
40	432	432	434	434	437	437	441	442	445	447	449	449	441	443	443	443	441	440	437
45	395	394	396	397	399	400	403	405	408	410	412	412	404	406	406	406	404	402	400
50	353	353	355	356	357	359	362	364	367	369	371	371	364	365	366	365	363	361	359
55	309	309	310	311	313	314	317	320	323	325	327	327	319	320	322	320	319	317	315
60	261	261	262	264	265	267	269	272	275	278	280	280	271	273	274	274	272	270	268
65	210	211	211	214	214	217	218	222	224	228	228	230	221	220	225	221	223	219	219
70	158	160	160	163	162	165	166	171	172	176	176	178	169	169	173	171	172	168	168
75	107	109	109	112	112	114	115	119	121	125	124	125	117	117	121	120	121	117	116
80	59.8	61.4	62.4	66.0	65.7	66.9	66.7	70.6	72.8	76.5	75.1	75.1	67.3	68.2	72.4	72.8	73.1	69.6	68.8
85	22.3	23.8	25.6	28.6	27.7	26.6	26.9	30.2	32.9	36.0	34.3	33.2	26.6	28.1	32.1	33.3	33.0	29.5	28.7
90	3.32	4.44	6.15	7.49	5.24	2.60	0.52	3.37	6.40	9.61	8.09	6.31	2.85	4.24	6.74	7.87	5.74	2.61	0.62
95	2.10	2.73	4.15	3.73	1.11	0.43	0.45	0.44	1.86	4.54	4.34	2.73	1.28	2.61	4.11	4.38	1.50	0.35	0.34
100	1.38	1.09	0.83	0.50	0.45	0.47	0.62	0.47	0.56	0.52	1.06	1.46	0.87	1.04	0.73	0.35	0.34	0.33	0.32
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:24.000V I:0.8790A P:21.096W PF:1.0000 Freq:0Hz Lamp Flux:1719.51x1 lm		
NAME: 24-420-50	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ (DEG)	C (DEG)																		
	285	300	315	330	345														
0	584	584	585	585	585														
5	582	582	581	582	582														
10	575	574	574	574	573														
15	563	563	561	561	560														
20	546	546	544	544	543														
25	525	525	523	523	521														
30	500	500	497	497	495														
35	470	470	467	467	464														
40	436	434	433	431	430														
45	399	396	395	393	391														
50	357	356	354	352	350														
55	312	311	309	307	304														
60	266	264	262	260	256														
65	214	215	210	210	204														
70	164	164	161	159	153														
75	113	114	109	108	103														
80	66.3	67.4	64.4	62.0	56.7														
85	27.5	29.2	27.7	25.4	20.7														
90	2.76	5.80	7.65	6.56	4.17														
95	0.34	0.80	3.47	4.00	2.86														
100	0.29	0.30	0.33	0.51	0.80														
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: