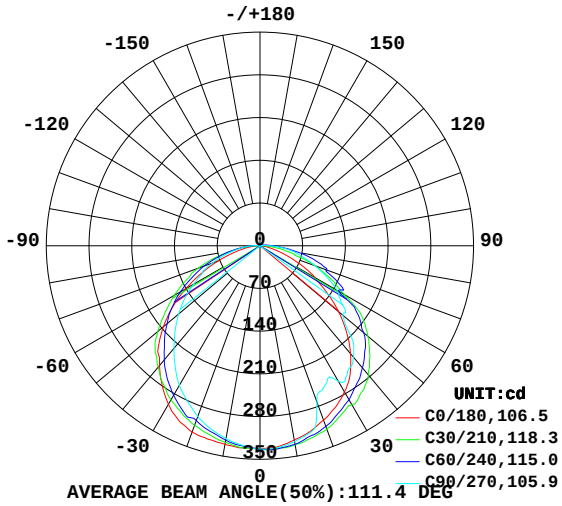
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.98V I:0.0583A P:13.085W PF:0.9714 Freq:49.99Hz Lamp Flux:1001.11x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

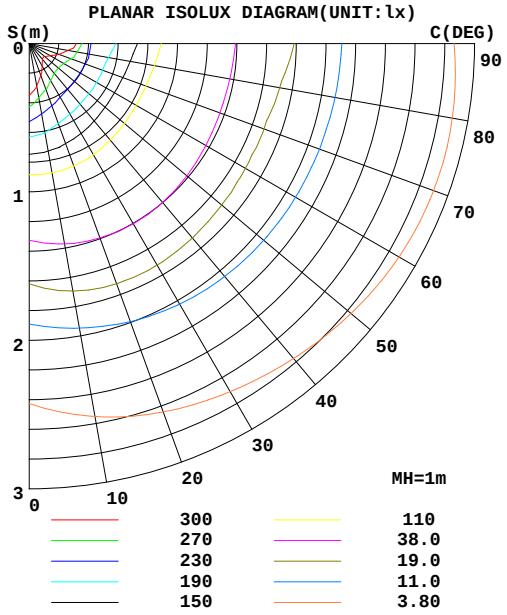
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 76.51 lm/W	
MODEL	HCP-3865123	Imax(cd)	334.7	S/MH(C0/180)	1.24
NOMINAL POWER(W)	13	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1001.1	η UP,DN(C0-180)	1.3,48.9
NOMINAL FLUX(lm)	1001.11	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.1,48.7
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230.9	η down(%)	97.6	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):111.4 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	323.4	330.7	325.9	323.7	330.5	325.4	320.8	327.3	0- 10	31.46	31.46	3.14,3.14
20	304.3	317.4	273.6	306.3	325.1	309.1	297.9	312.0	10- 20	89.72	121.2	12.1,12.1
30	276.6	296.3	256.3	285.8	299.9	287.5	264.1	286.7	20- 30	136.1	257.3	25.7,25.7
40	230.8	268.9	238.1	255.9	256.3	251.9	219.3	253.6	30- 40	167.4	424.7	42.4,42.4
50	168.3	226.4	177.0	218.9	206.7	208.9	174.0	212.0	40- 50	175.3	600.0	59.9,59.9
60	103.0	153.2	145.9	168.3	139.9	156.0	125.5	163.6	50- 60	158.4	758.5	75.8,75.8
70	45.59	106.1	96.07	110.9	73.03	102.8	82.92	102.0	60- 70	120.1	878.6	87.8,87.8
80	11.27	52.22	55.42	51.38	26.16	46.38	41.15	49.53	70- 80	71.33	949.9	94.9,94.9
90	0.3102	14.02	17.21	15.87	3.942	9.923	12.58	10.55	80- 90	27.36	977.3	97.6,97.6
100	0.4906	4.817	4.290	8.265	0.7572	3.066	4.105	3.175	90-100	6.774	984.1	98.3,98.3
110	0.9241	2.043	2.429	6.944	0.9083	2.433	3.773	3.199	100-110	3.513	987.6	98.6,98.6
120	1.450	1.974	2.464	6.213	1.292	2.512	4.342	3.694	110-120	3.025	990.6	99,99
130	1.927	2.424	2.980	4.747	1.774	2.941	4.497	3.915	120-130	2.794	993.4	99.2,99.2
140	2.257	2.788	3.511	4.413	2.007	3.261	4.466	4.094	130-140	2.565	996.0	99.5,99.5
150	2.366	2.989	3.957	4.452	2.178	3.250	4.913	4.270	140-150	2.209	998.2	99.7,99.7
160	2.270	2.940	4.228	4.589	2.141	3.076	3.847	4.306	150-160	1.640	999.8	99.9,99.9
170	2.241	2.867	4.410	4.323	2.206	3.057	3.657	4.047	160-170	0.9777	1001	100,100
180	2.418	3.143	4.288	4.120	2.426	3.118	4.409	4.152	170-180	0.3253	1001	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 512.98 lm

%lum = 51.2%
%lamp = 51.2%

Conical surface Flux(120deg): 758.45 lm

%lum = 75.8%
%lamp = 75.8%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

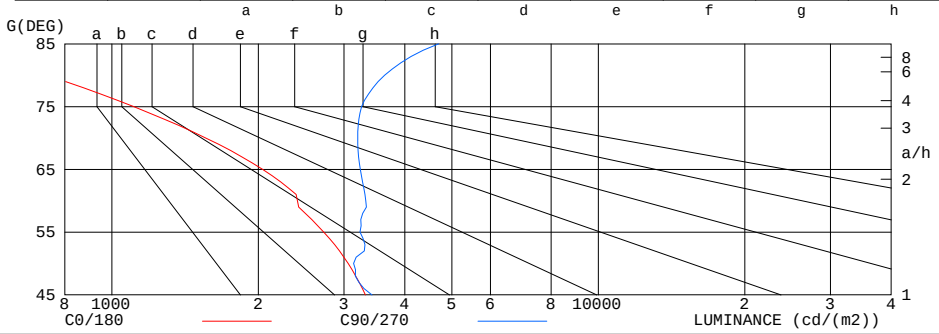
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.98V I:0.0583A P:13.085W PF:0.9714 Freq:49.99Hz Lamp Flux:1001.11x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	465	4694
80	758	3638
75	1108	3261
70	1557	3202
65	2040	3240
60	2406	3327
55	2724	3235
50	3060	3139
45	3320	3424

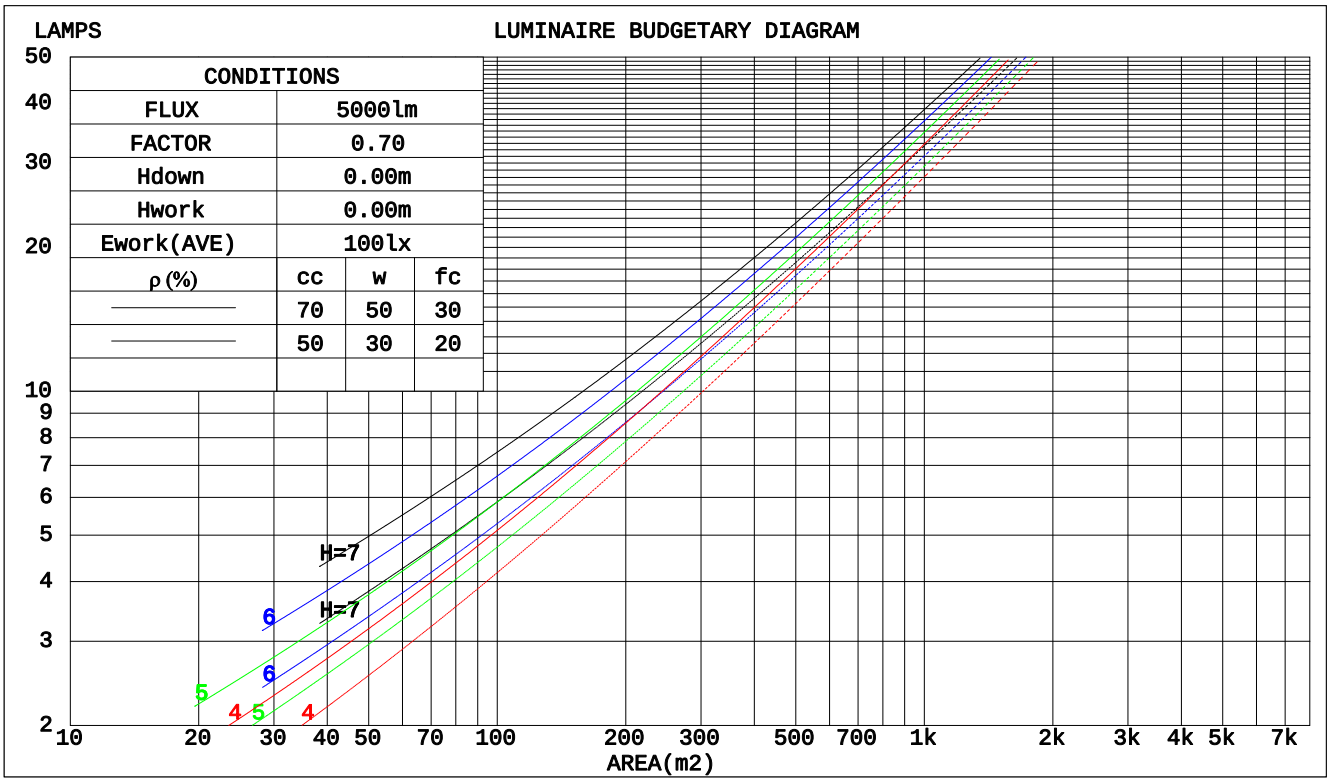
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.98V I:0.0583A P:13.085W PF:0.9714 Freq:49.99Hz Lamp Flux:1001.11x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.03	.98	.94	1.00	.96	.93	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.63	.77	.69	.63	.73	.67	.61	.70	.64	.60	.67	.62	.58	.56
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.62	.53	.46	.60	.52	.46	.58	.51	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.56	.46	.40	.54	.46	.40	.52	.45	.39	.50	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.35	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.98V I:0.0583A P:13.085W PF:0.9714 Freq:49.99Hz Lamp Flux:1001.11x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.320	.182	.058	.312	.178	.057	.297	.171	.054	.284	.164	.053	.271	.157	.051	
2.0	.297	.163	.050	.290	.160	.049	.277	.154	.048	.265	.149	.047	.254	.144	.045	
3.0	.273	.145	.044	.267	.143	.043	.256	.138	.042	.245	.134	.041	.235	.130	.040	
4.0	.251	.131	.038	.246	.129	.038	.236	.125	.037	.226	.121	.037	.217	.118	.036	
5.0	.232	.118	.034	.227	.117	.034	.218	.113	.033	.209	.110	.033	.201	.108	.032	
6.0	.215	.108	.031	.210	.106	.031	.202	.104	.030	.195	.101	.030	.187	.099	.029	
7.0	.200	.099	.028	.196	.098	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025	
9.0	.175	.084	.024	.171	.084	.023	.165	.082	.023	.160	.080	.023	.154	.078	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.073	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.209	.209	.209	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.199	.174	.152	.171	.150	.131	.117	.103	.090	.067	.060	.053	.022	.019	.017	
2.0	.191	.150	.116	.164	.129	.100	.112	.090	.070	.065	.052	.041	.021	.017	.013	
3.0	.184	.133	.092	.157	.115	.080	.108	.080	.056	.062	.046	.033	.020	.015	.011	
4.0	.176	.120	.077	.151	.103	.067	.104	.072	.047	.060	.042	.028	.019	.014	.009	
5.0	.169	.109	.066	.145	.095	.057	.100	.066	.040	.058	.039	.024	.019	.013	.008	
6.0	.161	.101	.058	.139	.087	.050	.096	.061	.036	.056	.036	.021	.018	.012	.007	
7.0	.154	.094	.052	.133	.082	.045	.092	.057	.032	.053	.034	.019	.017	.011	.006	
8.0	.148	.088	.047	.127	.077	.041	.088	.054	.029	.051	.032	.017	.017	.010	.006	
9.0	.142	.083	.044	.122	.072	.038	.085	.051	.027	.049	.030	.016	.016	.010	.005	
10.0	.136	.079	.041	.117	.069	.036	.081	.048	.026	.048	.029	.015	.015	.009	.005	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.98V I:0.0583A P:13.085W PF:0.9714 Freq:49.99Hz Lamp Flux:1001.11x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	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	16.4	17.9	16.7	18.2	18.4	16.9	18.4	17.2	18.6	18.9
	3H	17.3	18.7	17.7	19.0	19.3	18.7	20.1	19.0	20.3	20.6
	4H	17.5	18.9	17.9	19.2	19.5	19.5	20.8	19.9	21.1	21.4
	6H	17.6	18.9	18.0	19.2	19.5	20.3	21.5	20.7	21.9	22.2
	8H	17.6	18.8	18.0	19.1	19.5	20.7	21.9	21.0	22.2	22.5
	12H	17.6	18.7	18.0	19.1	19.4	21.0	22.2	21.4	22.5	22.9
4H	2H	17.1	18.4	17.4	18.7	19.0	17.5	18.8	17.8	19.1	19.4
	3H	18.3	19.5	18.7	19.8	20.2	19.5	20.6	19.9	21.0	21.3
	4H	18.7	19.7	19.1	20.1	20.5	20.5	21.6	20.9	21.9	22.3
	6H	18.8	19.8	19.3	20.2	20.6	21.5	22.4	21.9	22.8	23.2
	8H	18.9	19.7	19.3	20.2	20.6	21.9	22.8	22.4	23.2	23.6
	12H	18.9	19.7	19.3	20.1	20.6	22.3	23.2	22.8	23.6	24.0
8H	4H	19.2	20.0	19.6	20.4	20.9	20.8	21.7	21.2	22.1	22.5
	6H	19.5	20.3	20.0	20.7	21.2	21.9	22.7	22.4	23.1	23.6
	8H	19.7	20.3	20.1	20.8	21.3	22.5	23.2	23.0	23.6	24.2
	12H	19.7	20.3	20.2	20.8	21.3	23.1	23.7	23.6	24.2	24.7
12H	4H	19.2	20.1	19.7	20.5	20.9	20.8	21.6	21.2	22.0	22.5
	6H	19.7	20.4	20.2	20.8	21.3	22.0	22.6	22.5	23.1	23.6
	8H	19.9	20.5	20.4	21.0	21.5	22.6	23.2	23.2	23.7	24.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.2				
1.5H		+ 0.4 / - 0.5					+ 0.2 / - 0.2				
2.0H		+ 0.3 / - 0.6					+ 0.1 / - 0.2				

CIE Pub.117, 1001 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.0)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.98V I:0.0583A P:13.085W PF:0.9714 Freq:49.99Hz Lamp Flux:1001.11x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

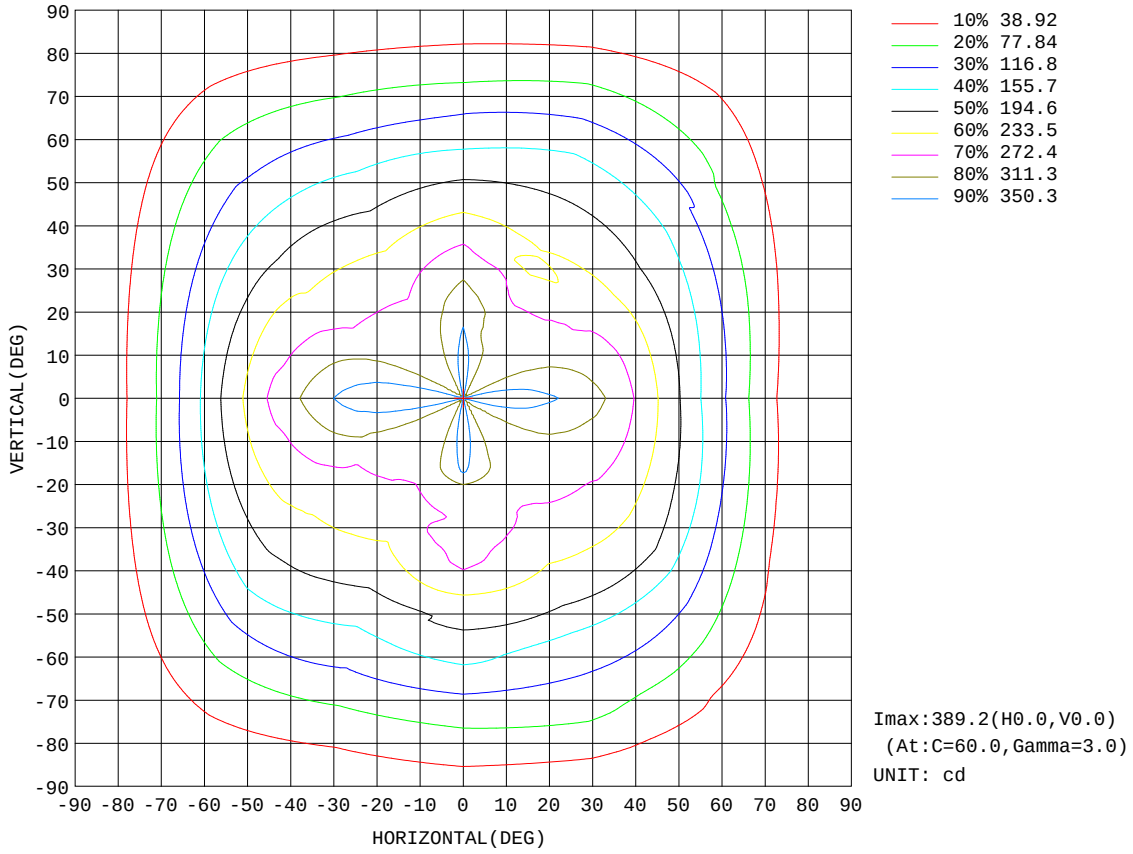
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	56	44	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	55	71	64	55	47
1.25	82	71	64	80	70	63	77	68	62	54
1.50	87	76	69	85	75	69	82	73	67	60
2.00	94	85	78	92	83	77	88	81	75	67
2.50	98	89	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	84	75
4.00	105	99	94	102	97	93	98	93	90	80
5.00	107	102	98	105	100	96	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.98V I:0.0583A P:13.085W PF:0.9714 Freq:49.99Hz Lamp Flux:1001.11x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-



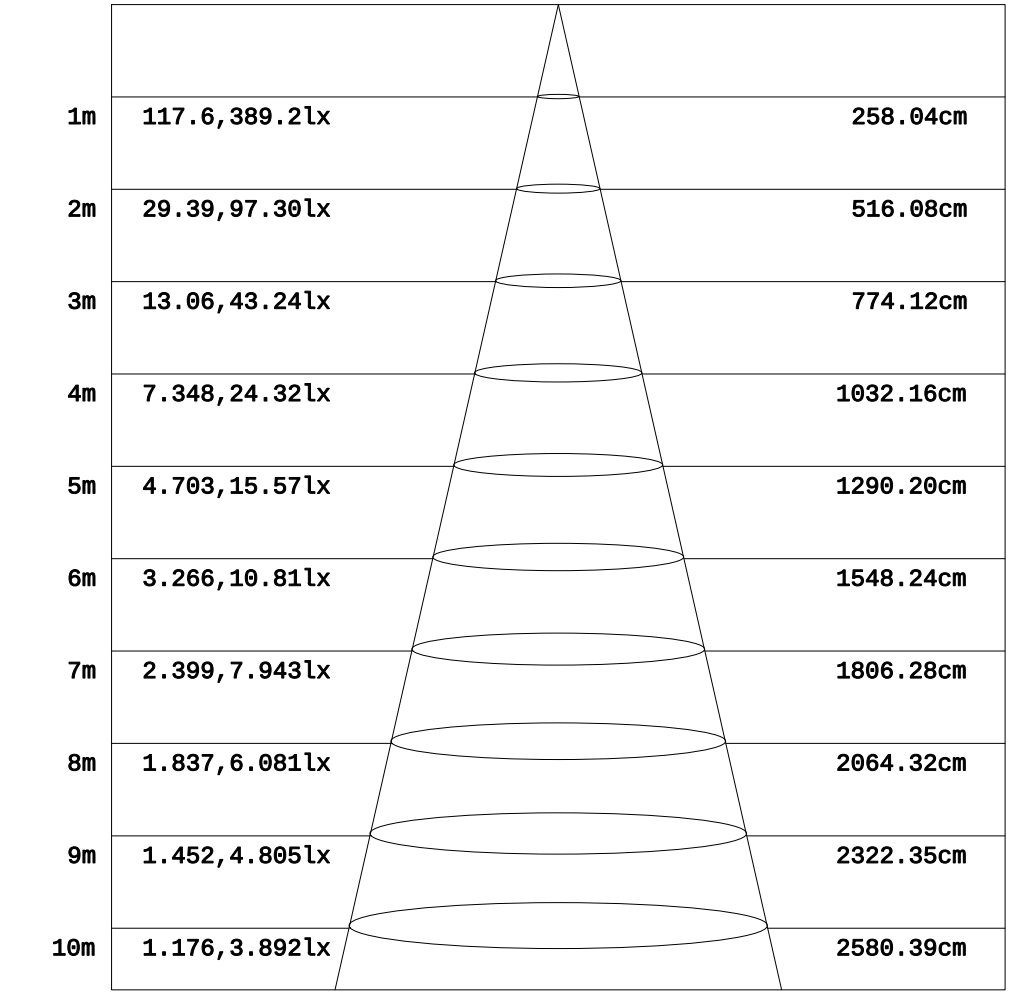
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.98V I:0.0583A P:13.085W PF:0.9714 Freq:49.99Hz Lamp Flux:1001.11x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

Flux out:650.5 lm



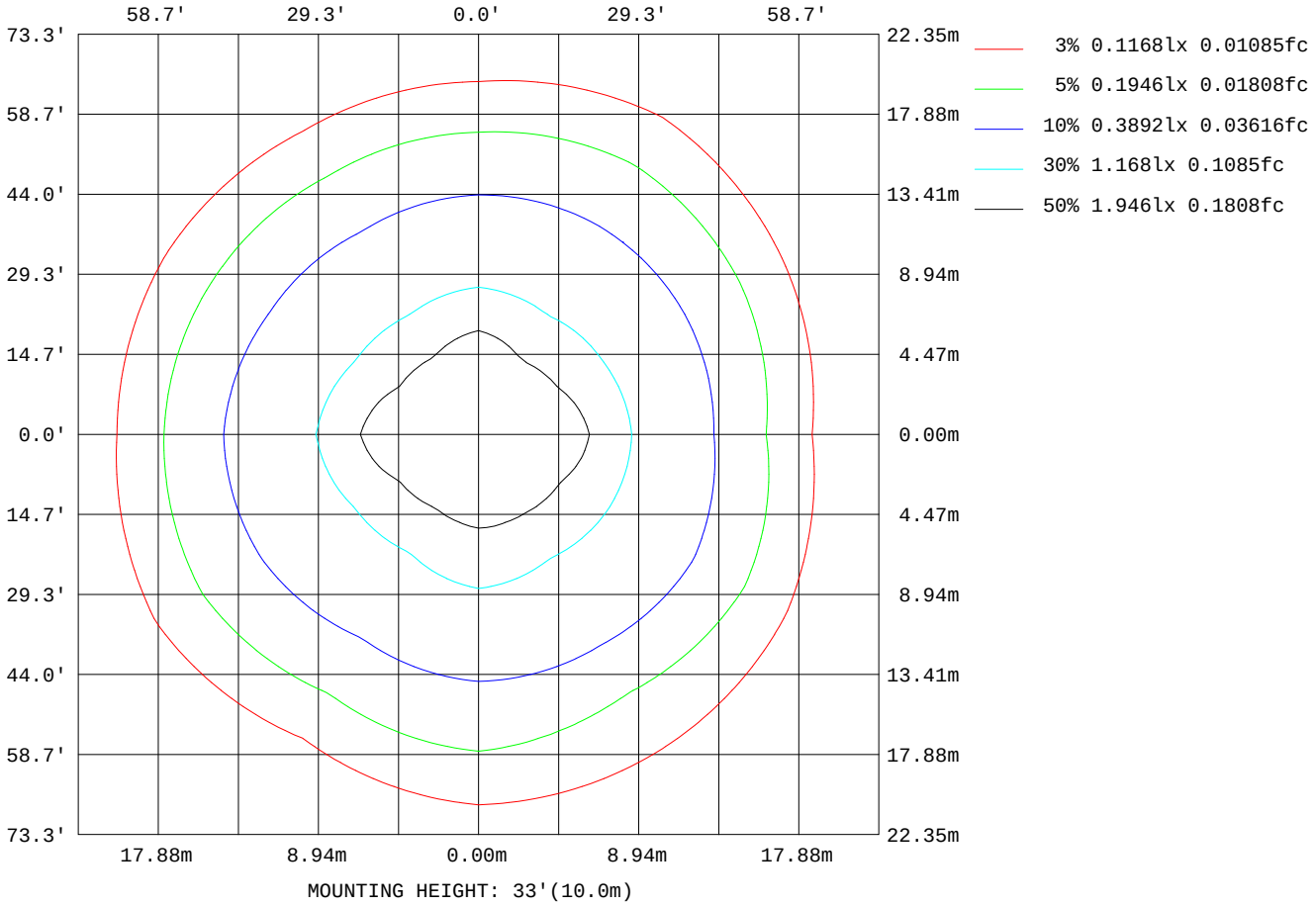
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.98V I:0.0583A P:13.085W PF:0.9714 Freq:49.99Hz Lamp Flux:1001.11x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.98V I:0.0583A P:13.085W PF:0.9714 Freq:49.99Hz Lamp Flux:1001.11x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

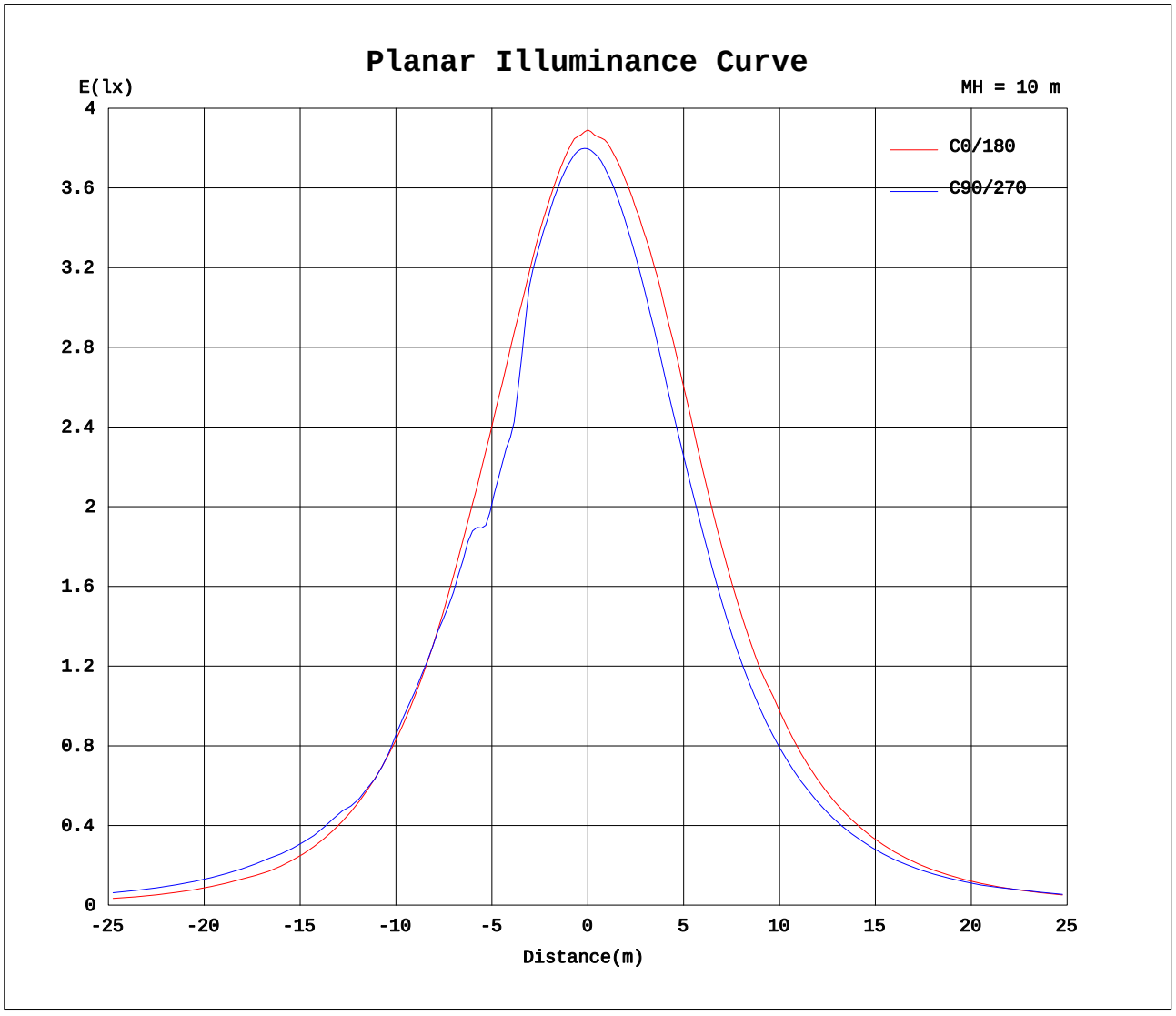
AvgL	cd/m2
L_0~180(65)av	2115
L_0~180(75)av	1364
L_0~180(85)av	908
L_90~270(65)av	2653
L_90~270(75)av	2598
L_90~270(85)av	3514
L_45(65)av	3327
L_45(75)av	3130
L_45(85)av	3269

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.98V I:0.0583A P:13.085W PF:0.9714 Freq:49.99Hz Lamp Flux:1001.11x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	333	333	333	333	333	333	333	333	333	333	333	333							
5	331	333	334	332	329	332	333	332	329	329	330	332							
10	323	331	330	326	322	326	331	327	324	321	326	329							
15	316	326	322	317	313	319	328	321	315	311	297	324							
20	304	320	315	274	302	311	325	313	305	298	308	316							
25	292	309	303	252	289	309	316	303	299	281	291	307							
30	277	301	292	256	276	296	300	292	283	264	277	297							
35	257	292	276	251	260	281	280	276	265	242	238	284							
40	231	276	261	238	244	267	256	260	244	219	244	263							
45	201	255	243	212	225	254	236	243	221	197	215	238							
50	168	231	222	177	202	236	207	219	199	174	215	209							
55	134	205	196	163	178	213	175	189	176	151	192	186							
60	103	159	147	146	152	185	140	162	150	125	171	156							
65	73.8	128	140	120	128	153	105	134	122	104	144	131							
70	45.6	96.0	116	96.1	105	117	73.0	108	97.8	82.9	113	90.5							
75	24.5	59.0	94.3	74.0	77.5	81.9	46.1	75.8	70.5	60.4	85.1	70.8							
80	11.3	39.0	65.6	55.4	52.0	50.8	26.2	46.6	46.2	41.1	55.7	43.3							
85	3.47	18.6	39.1	35.9	30.9	28.0	12.4	22.8	26.4	25.4	31.3	20.5							
90	0.31	6.84	21.3	17.2	17.4	14.3	3.94	8.18	11.7	12.6	13.9	7.15							
95	0.35	2.68	13.4	7.79	11.4	8.74	1.05	3.47	5.56	6.51	5.58	2.88							
100	0.49	1.33	8.34	4.29	8.91	7.62	0.76	2.31	3.83	4.10	3.85	2.49							
105	0.69	1.24	4.95	2.90	8.11	7.08	0.79	1.76	3.31	3.62	3.56	2.52							
110	0.92	1.41	2.68	2.43	7.75	6.13	0.91	1.67	3.20	3.77	3.66	2.73							
115	1.18	1.67	1.93	2.32	7.50	5.94	1.08	1.88	3.01	4.06	3.88	2.99							
120	1.45	1.94	2.00	2.46	6.84	5.58	1.29	2.08	2.95	4.34	4.12	3.27							
125	1.70	2.20	2.20	2.71	5.03	5.18	1.54	2.36	2.95	4.46	3.80	3.56							
130	1.93	2.42	2.43	2.98	5.13	4.36	1.77	2.65	3.24	4.50	4.02	3.81							
135	2.12	2.61	2.65	3.25	4.95	4.06	1.92	2.90	3.31	4.40	4.31	4.01							
140	2.26	2.74	2.84	3.51	4.88	3.94	2.01	2.98	3.55	4.47	4.59	3.60							
145	2.34	2.86	2.98	3.75	4.72	4.06	2.12	2.98	3.69	4.89	4.82	3.58							
150	2.37	2.90	3.07	3.96	4.89	4.01	2.18	2.95	3.56	4.91	5.00	3.54							
155	2.34	2.89	3.10	4.11	5.35	3.87	2.17	2.92	3.43	4.23	5.09	3.52							
160	2.27	2.81	3.07	4.23	5.51	3.66	2.14	2.86	3.30	3.85	5.13	3.48							
165	2.24	2.74	3.03	4.32	5.07	3.53	2.16	2.98	3.18	3.93	5.01	3.46							
170	2.24	2.74	3.00	4.41	5.02	3.62	2.21	2.95	3.17	3.66	4.61	3.48							
175	2.33	2.88	3.08	4.49	4.67	3.82	2.30	2.97	3.18	3.51	4.42	3.63							
180	2.42	3.06	3.23	4.29	4.42	3.81	2.43	3.02	3.22	4.41	4.54	3.76							

C Range: 0 - 360DEG
C Interval: 30.0DEG
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