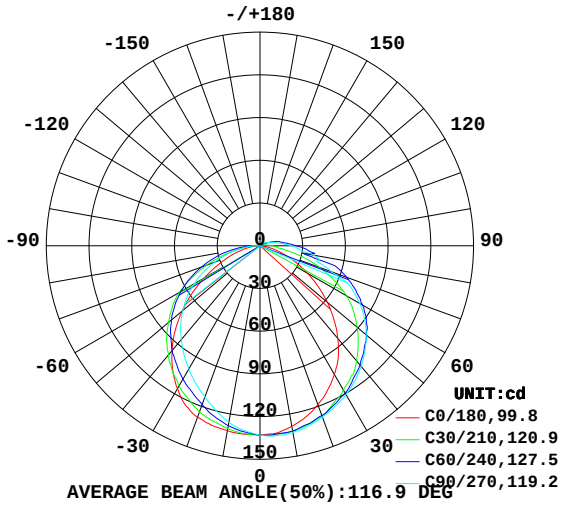
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.94V I:0.0237A P:5.0669W PF:0.9253 Freq:49.99Hz Lamp Flux:432.501x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

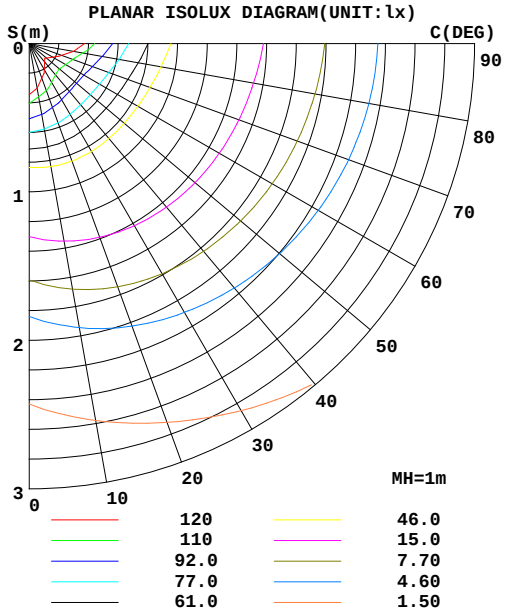
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 85.36 lm/W	
MODEL	HCP-3865054	Imax(cd)	156.1	S/MH(C0/180)	1.18
NOMINAL POWER(W)	5	LOR(%)	100.0	S/MH(C90/270)	1.13
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	432.50	η UP,DN(C0-180)	2.7,51.9
NOMINAL FLUX(lm)	432.501	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,44.6
LAMPS INSIDE	1	η up(%)	3.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230.9	η down(%)	96.5	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):116.9 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	128.7	132.1	133.1	141.8	131.9	129.4	125.8	136.3	0- 10	12.70	12.70	2.94,2.94
20	118.8	127.1	128.1	136.7	128.1	121.5	113.1	130.8	10- 20	36.72	49.42	11.4,11.4
30	104.5	118.3	120.7	128.8	116.0	111.0	99.88	119.8	20- 30	55.94	105.4	24.4,24.4
40	85.06	107.5	110.6	117.1	96.09	98.07	86.02	106.8	30- 40	68.44	173.8	40.2,40.2
50	61.70	93.34	97.49	103.1	71.42	82.59	70.75	89.36	40- 50	72.71	246.5	57,57
60	38.50	76.70	80.95	84.26	45.18	64.67	53.27	68.97	50- 60	67.99	314.5	72.7,72.7
70	18.54	54.62	53.27	60.79	23.88	41.81	34.19	42.72	60- 70	54.36	368.9	85.3,85.3
80	5.575	24.77	38.14	32.27	8.914	19.92	15.77	17.26	70- 80	33.33	402.2	93,93
90	0.2891	17.05	22.51	10.99	1.139	3.980	3.903	2.663	80- 90	15.10	417.3	96.5,96.5
100	0.1316	9.167	11.97	6.032	0.3662	0.6336	1.056	1.260	90-100	5.988	423.3	97.9,97.9
110	0.2804	4.353	7.036	3.919	0.3994	0.7613	0.7038	1.363	100-110	3.291	426.6	98.6,98.6
120	0.4768	1.493	4.194	1.814	0.5214	0.9890	1.120	1.525	110-120	1.845	428.4	99.1,99.1
130	0.6668	0.9347	2.199	1.735	0.6167	1.118	1.276	1.746	120-130	1.225	429.6	99.3,99.3
140	0.8106	1.010	1.241	1.880	0.6873	1.170	1.296	1.988	130-140	1.002	430.6	99.6,99.6
150	0.8697	1.060	0.9781	1.950	0.7631	1.133	1.253	2.112	140-150	0.8263	431.5	99.8,99.8
160	0.8418	1.024	0.9670	1.825	0.7622	1.088	1.100	2.023	150-160	0.6032	432.1	99.9,99.9
170	0.8332	0.9874	0.9416	1.404	0.8109	1.052	0.9902	1.602	160-170	0.3366	432.4	100,100
180	0.8969	1.092	0.9978	1.484	0.8969	1.091	1.012	1.591	170-180	0.1064	432.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 210.19 lm

%lum = 48.6%
%lamp = 48.6%

Conical surface Flux(120deg): 314.5 lm

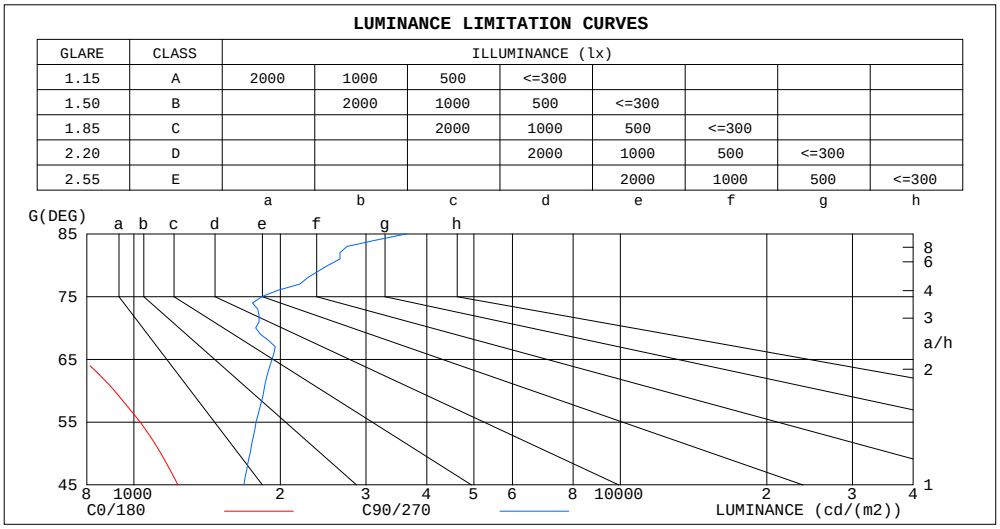
%lum = 72.7%
%lamp = 72.7%

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:230.94V I:0.0237A P:5.0669W PF:0.9253 Freq:49.99Hz Lamp Flux:432.501x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-



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	261	3639
80	380	2510
75	506	1833
70	642	1779
65	786	1923
60	912	1850
55	1030	1783
50	1137	1733
45	1232	1685

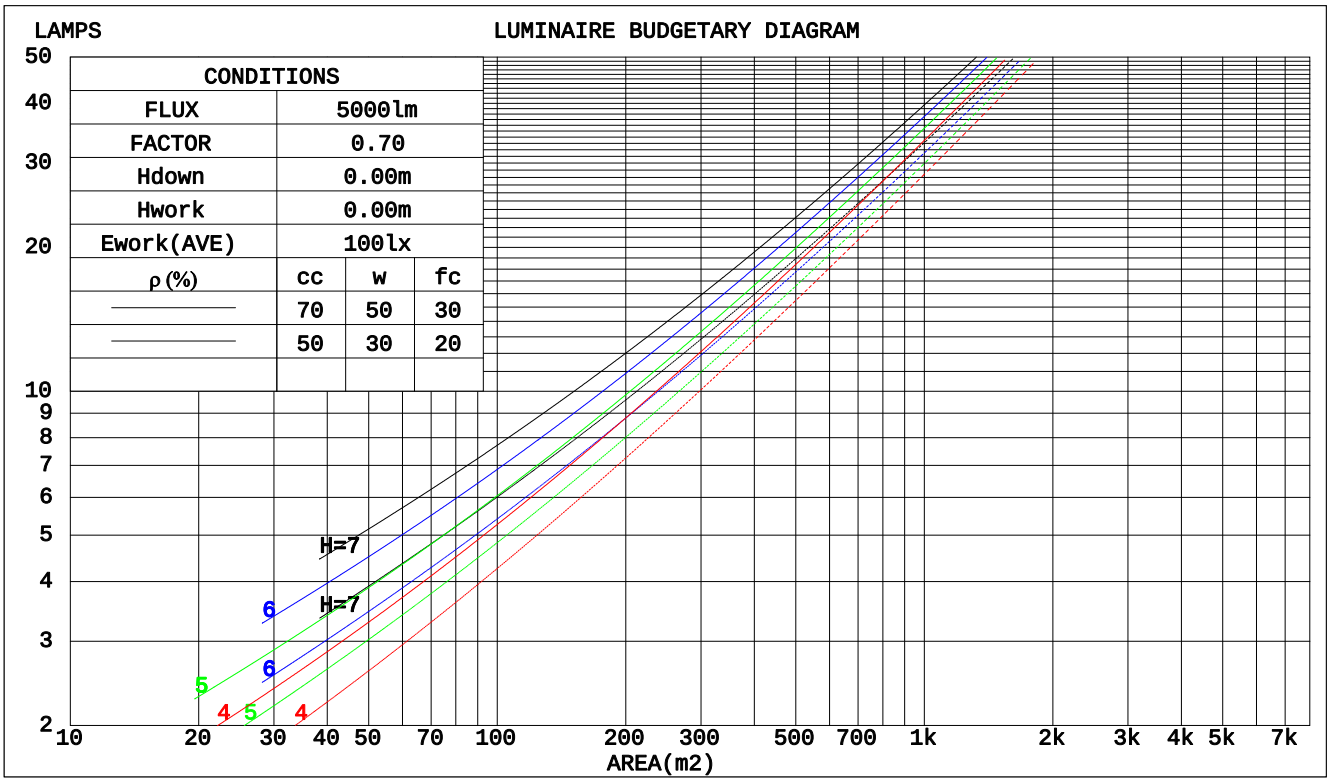
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Kiki
Test Date:2022-12-06

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:230.94V I:0.0237A P:5.0669W PF:0.9253 Freq:49.99Hz Lamp Flux:432.501x1 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	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.96
1.0	1.02	.97	.93	.99	.95	.91	.94	.91	.88	.90	.87	.84	.86	.83	.81	.79
2.0	.88	.81	.75	.86	.79	.74	.82	.76	.71	.78	.73	.69	.74	.71	.67	.65
3.0	.77	.69	.62	.75	.67	.61	.72	.65	.59	.68	.63	.58	.65	.61	.56	.54
4.0	.68	.59	.52	.66	.58	.51	.63	.56	.50	.61	.54	.49	.58	.53	.48	.46
5.0	.61	.51	.45	.59	.51	.44	.57	.49	.43	.54	.48	.42	.52	.46	.42	.39
6.0	.54	.45	.39	.53	.45	.38	.51	.43	.38	.49	.42	.37	.47	.41	.36	.34
7.0	.49	.40	.34	.48	.40	.34	.46	.39	.33	.45	.38	.33	.43	.37	.32	.30
8.0	.45	.36	.30	.44	.36	.30	.42	.35	.30	.41	.34	.29	.39	.33	.29	.27
9.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.26	.36	.30	.26	.24
10.0	.38	.30	.25	.37	.30	.24	.36	.29	.24	.35	.28	.24	.34	.28	.24	.22



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:230.94V I:0.0237A P:5.0669W PF:0.9253 Freq:49.99Hz Lamp Flux:432.501x1 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	.333	.189	.060	.325	.185	.059	.309	.177	.057	.295	.170	.055	.282	.163	.053	
2.0	.305	.167	.051	.298	.164	.051	.284	.158	.049	.272	.152	.048	.260	.147	.046	
3.0	.279	.149	.045	.273	.146	.044	.261	.141	.043	.249	.137	.042	.239	.132	.041	
4.0	.256	.133	.039	.250	.131	.039	.239	.127	.038	.229	.123	.037	.220	.119	.036	
5.0	.235	.120	.035	.230	.118	.034	.220	.115	.034	.211	.112	.033	.203	.108	.033	
6.0	.217	.109	.031	.213	.108	.031	.204	.105	.030	.196	.102	.030	.188	.099	.029	
7.0	.202	.100	.028	.198	.098	.028	.190	.096	.028	.182	.094	.027	.176	.091	.027	
8.0	.188	.092	.026	.184	.091	.026	.177	.089	.025	.171	.086	.025	.164	.084	.025	
9.0	.176	.085	.024	.173	.084	.024	.166	.082	.023	.160	.080	.023	.154	.078	.023	
10.0	.165	.079	.022	.162	.078	.022	.156	.077	.022	.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	.217	.217	.217	.186	.186	.186	.127	.127	.127	.073	.073	.073	.023	.023	.023	
1.0	.209	.183	.160	.179	.157	.137	.122	.108	.095	.070	.063	.055	.023	.020	.018	
2.0	.201	.159	.124	.172	.137	.107	.118	.095	.075	.068	.055	.044	.022	.018	.014	
3.0	.194	.142	.100	.166	.122	.087	.114	.085	.061	.066	.050	.036	.021	.016	.012	
4.0	.186	.129	.085	.160	.111	.074	.110	.077	.052	.063	.045	.031	.020	.015	.010	
5.0	.178	.118	.074	.153	.102	.064	.106	.072	.045	.061	.042	.027	.020	.014	.009	
6.0	.171	.110	.066	.147	.095	.058	.102	.067	.041	.059	.039	.024	.019	.013	.008	
7.0	.164	.103	.061	.141	.090	.053	.098	.063	.037	.057	.037	.022	.018	.012	.007	
8.0	.158	.098	.056	.136	.085	.049	.094	.059	.035	.055	.035	.021	.018	.011	.007	
9.0	.152	.093	.053	.131	.080	.046	.090	.057	.033	.053	.033	.020	.017	.011	.006	
10.0	.146	.088	.050	.126	.077	.044	.087	.054	.031	.051	.032	.019	.016	.010	.006	

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:230.94V I:0.0237A P:5.0669W PF:0.9253 Freq:49.99Hz Lamp Flux:432.501x1 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	13.1	14.6	13.4	14.9	15.2	15.2	16.7	15.5	17.0	17.2
	3H	14.2	15.6	14.5	15.9	16.2	17.3	18.7	17.7	19.0	19.3
	4H	14.5	15.8	14.8	16.1	16.5	18.2	19.5	18.6	19.9	20.2
	6H	14.6	15.9	15.0	16.2	16.6	19.3	20.5	19.6	20.8	21.2
	8H	14.6	15.8	15.0	16.2	16.5	19.8	21.0	20.2	21.3	21.7
	12H	14.6	15.8	15.0	16.1	16.5	20.3	21.5	20.7	21.9	22.2
4H	2H	14.2	15.5	14.5	15.8	16.2	15.7	17.0	16.1	17.4	17.7
	3H	15.5	16.7	16.0	17.1	17.5	18.1	19.3	18.5	19.6	20.0
	4H	16.0	17.1	16.4	17.5	17.9	19.2	20.3	19.6	20.7	21.1
	6H	16.3	17.2	16.7	17.6	18.1	20.4	21.3	20.8	21.7	22.2
	8H	16.3	17.2	16.8	17.6	18.1	21.0	21.9	21.5	22.3	22.8
	12H	16.3	17.2	16.8	17.6	18.1	21.7	22.5	22.2	23.0	23.5
8H	4H	16.7	17.6	17.2	18.1	18.5	19.4	20.3	19.9	20.8	21.2
	6H	17.2	18.0	17.7	18.4	18.9	20.8	21.6	21.3	22.0	22.5
	8H	17.4	18.0	17.9	18.5	19.0	21.7	22.3	22.2	22.8	23.4
	12H	17.5	18.0	18.0	18.5	19.1	22.7	23.2	23.2	23.8	24.3
12H	4H	16.9	17.7	17.4	18.2	18.6	19.4	20.2	19.9	20.7	21.2
	6H	17.5	18.2	18.1	18.7	19.2	20.9	21.5	21.4	22.0	22.6
	8H	17.8	18.4	18.3	18.9	19.4	21.9	22.4	22.4	22.9	23.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.4 / - 0.4					+ 0.2 / - 0.2				
2.0H		+ 0.3 / - 0.6					+ 0.3 / - 0.3				

CIE Pub.117, 432.5 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.9)
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:230.94V I:0.0237A P:5.0669W PF:0.9253 Freq:49.99Hz Lamp Flux:432.501x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

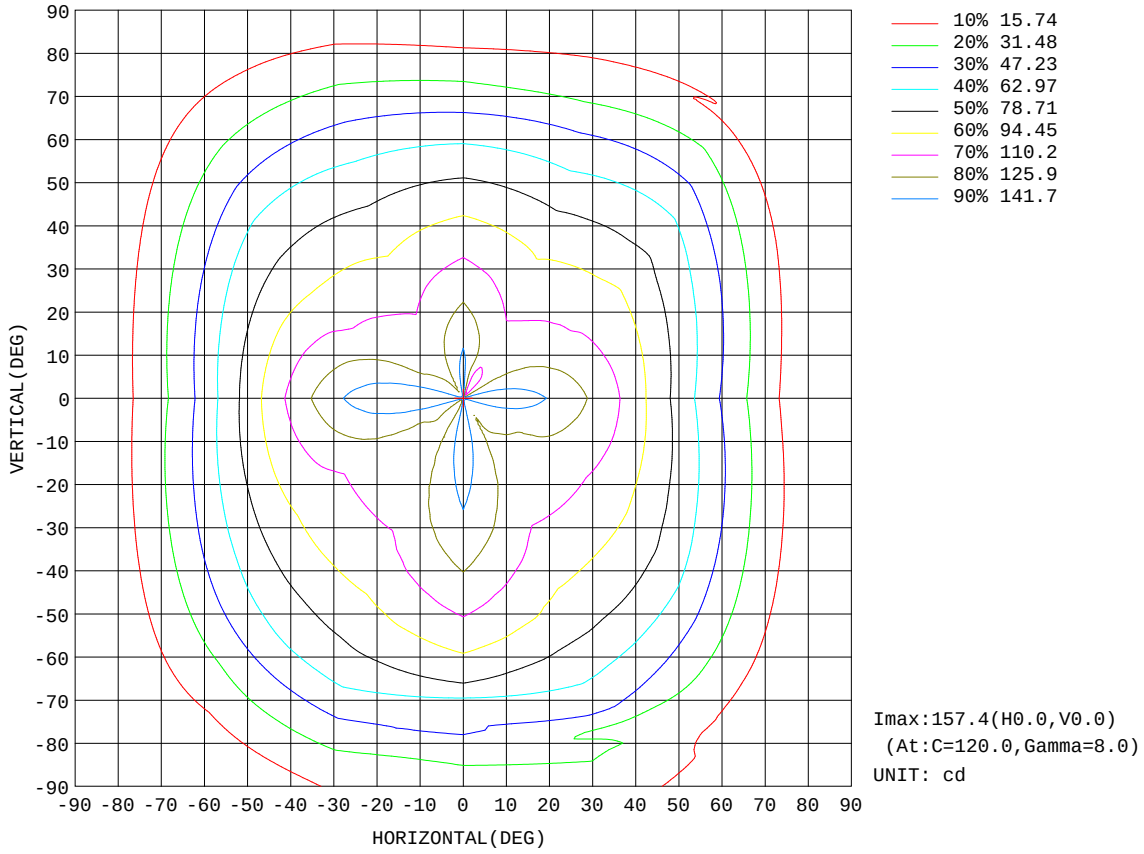
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	55	43	36	54	43	36	53	42	35	29
0.80	65	53	45	64	52	45	62	51	44	37
1.00	73	61	54	72	61	53	69	62	53	45
1.25	80	69	61	78	68	61	75	66	60	52
1.50	85	75	67	83	74	67	80	72	65	57
2.00	92	83	76	90	82	75	86	79	73	65
2.50	96	88	81	94	86	80	90	83	78	69
3.00	100	92	86	97	90	85	93	87	82	73
4.00	104	98	93	101	96	91	96	92	88	78
5.00	107	101	97	104	99	95	99	95	91	81
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:230.94V I:0.0237A P:5.0669W PF:0.9253 Freq:49.99Hz Lamp Flux:432.501x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-



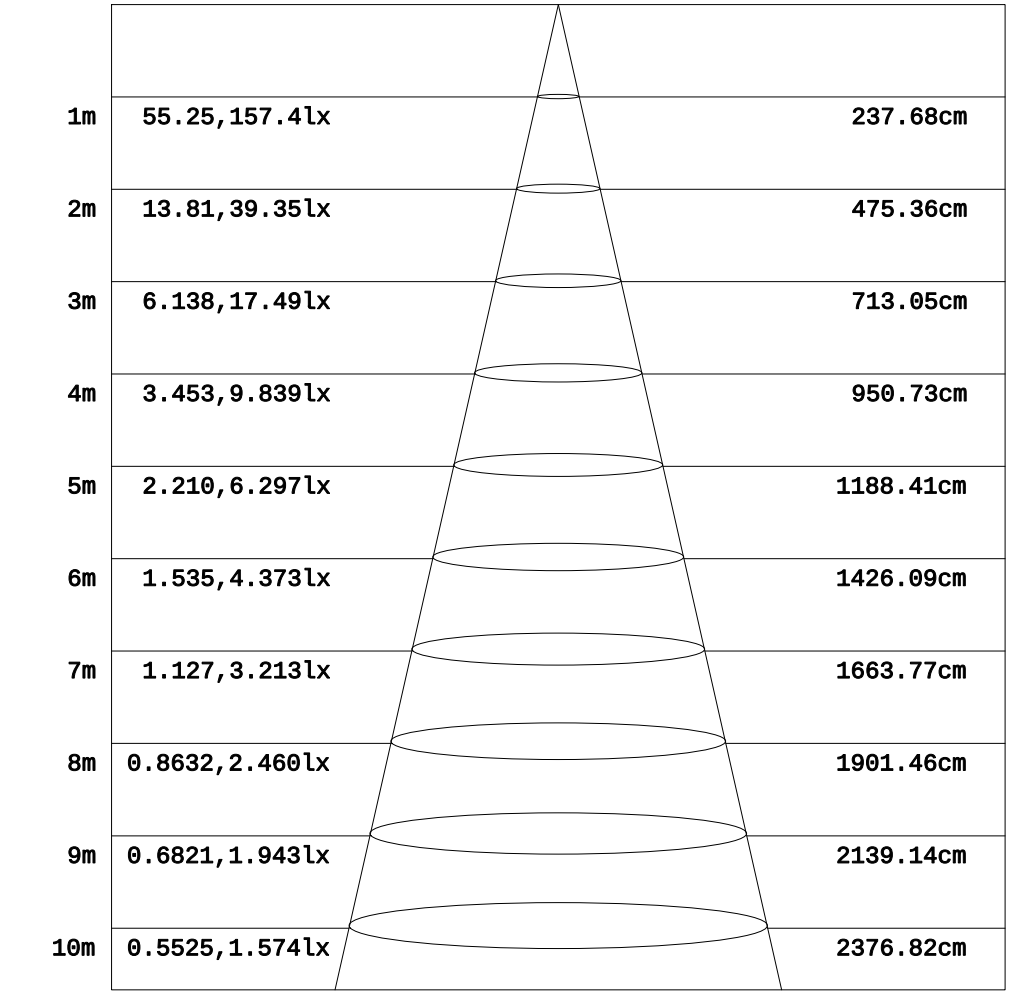
C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:51.8%
Test Distance:3.154m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.94V I:0.0237A P:5.0669W PF:0.9253 Freq:49.99Hz Lamp Flux:432.501x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

Flux out:246.5 lm



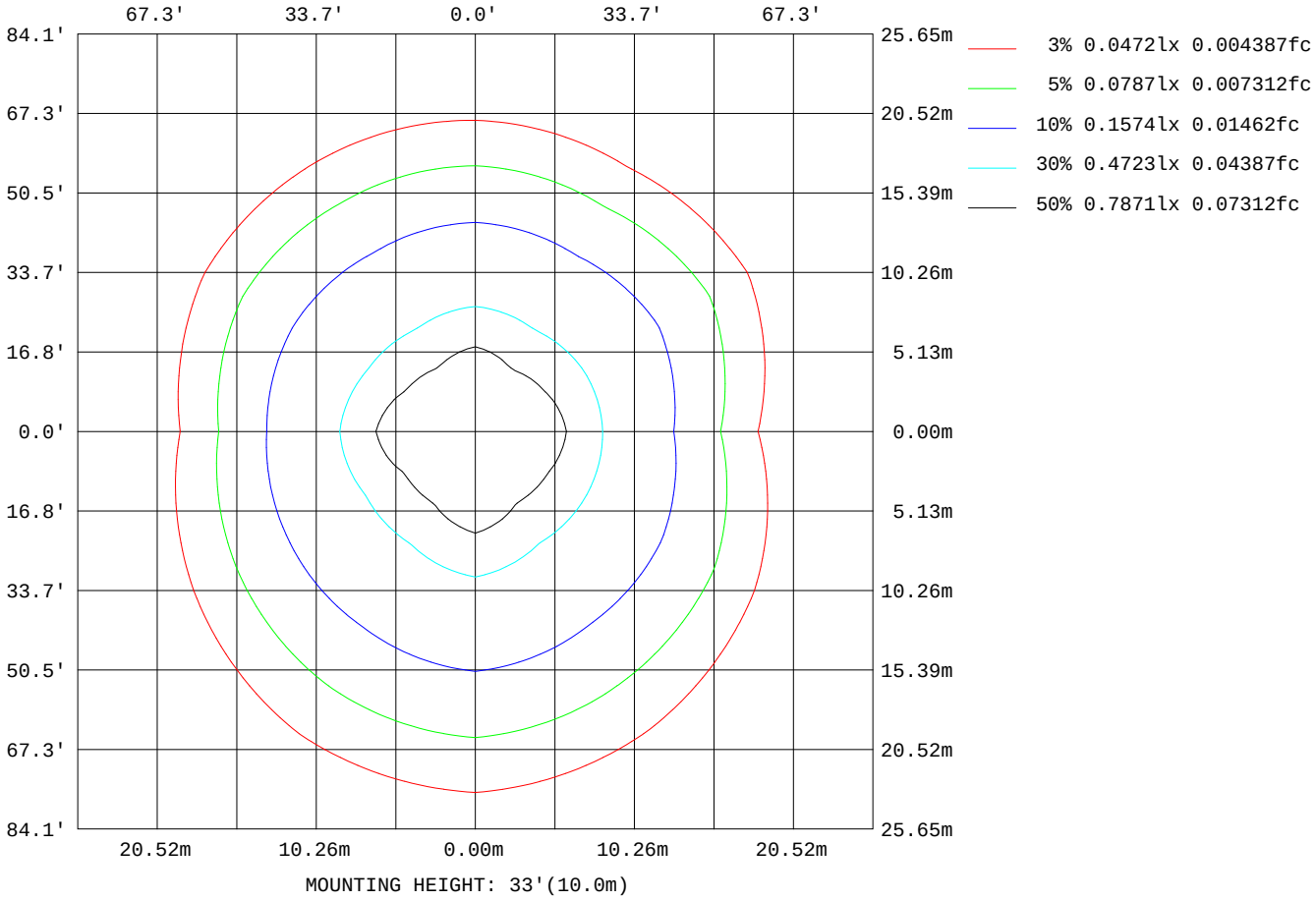
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.94V I:0.0237A P:5.0669W PF:0.9253 Freq:49.99Hz Lamp Flux:432.501x1 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:230.94V I:0.0237A P:5.0669W PF:0.9253 Freq:49.99Hz Lamp Flux:432.501x1 lm		
NAME: 灯带	TYPE:/	WEIGHT:
SPEC.:/	DIM.: 1m*0.1m	SERIAL No.:1
MFR.: /	SUR.:1m*0.1m	Shielding Angle:-

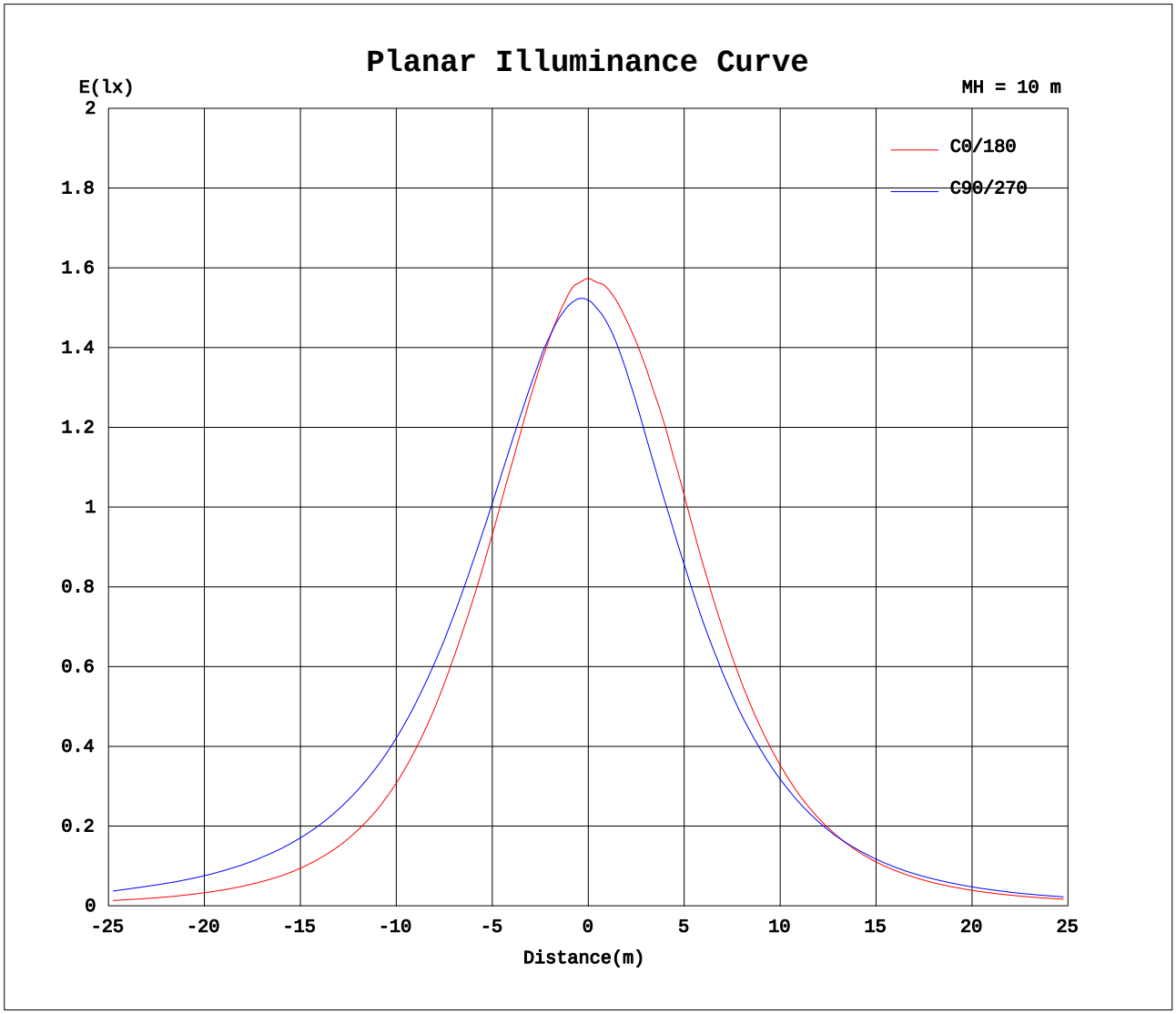
AvgL	cd/m2
L_0~180(65)av	727
L_0~180(75)av	512
L_0~180(85)av	345
L_90~270(65)av	1359
L_90~270(75)av	1277
L_90~270(85)av	2113
L_45(65)av	1550
L_45(75)av	1528
L_45(85)av	1835

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:230.94V I:0.0237A P:5.0669W PF:0.9253 Freq:49.99Hz Lamp Flux:432.501x1 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	133	133	133	133	133	133	133	133	133	133	133	133
5	132	133	133	134	153	132	133	132	131	130	122	132
10	129	132	132	133	155	131	132	130	128	126	144	130
15	124	130	130	131	154	129	131	127	124	120	144	127
20	119	127	127	128	151	125	128	124	119	113	140	123
25	112	122	123	125	148	121	124	119	113	107	133	119
30	104	117	120	121	144	117	116	114	108	99.9	128	113
35	95.8	112	114	116	138	111	107	107	102	93.1	120	107
40	85.1	106	109	111	132	105	96.1	100.0	96.1	86.0	114	101
45	73.6	97.6	103	104	126	99.0	84.3	93.0	88.7	78.6	104	96.0
50	61.7	89.2	97.6	97.5	119	90.4	71.4	84.0	81.2	70.8	94.2	85.4
55	49.9	80.2	91.1	89.5	110	80.6	58.2	75.2	73.1	62.6	83.4	76.7
60	38.5	70.4	83.2	81.0	101	70.2	45.2	65.3	64.0	53.3	71.5	66.9
65	28.0	57.5	74.5	71.1	92.8	59.4	33.4	52.5	54.2	43.7	59.4	53.5
70	18.5	44.5	65.0	53.3	78.9	46.0	23.9	39.9	43.8	34.2	45.9	40.1
75	11.1	31.6	54.6	41.5	63.7	31.9	15.4	27.6	33.1	24.6	32.9	26.3
80	5.57	18.8	30.9	38.1	48.1	19.3	8.91	16.8	23.1	15.8	20.9	14.3
85	1.92	12.0	33.2	27.8	33.1	8.40	4.09	8.51	13.1	9.07	10.98	5.88
90	0.29	8.69	25.6	22.5	21.8	2.14	1.14	2.56	5.43	3.90	4.26	1.36
95	0.11	5.46	19.4	16.3	16.3	0.95	0.45	0.57	1.53	1.54	2.31	0.70
100	0.13	3.56	14.9	12.0	12.47	0.76	0.37	0.42	0.86	1.06	2.09	0.58
105	0.19	2.16	11.9	9.04	9.85	0.65	0.36	0.52	0.79	0.75	2.13	0.55
110	0.28	1.28	7.50	7.04	7.83	0.71	0.40	0.61	0.92	0.70	2.31	0.58
115	0.38	0.87	4.26	5.52	4.23	0.79	0.46	0.71	1.08	0.84	2.39	0.64
120	0.48	0.76	2.25	4.19	2.96	0.87	0.52	0.80	1.18	1.12	2.49	0.73
125	0.58	0.79	1.29	3.10	2.54	0.96	0.58	0.89	1.24	1.25	2.60	0.83
130	0.67	0.86	1.02	2.20	2.57	1.05	0.62	0.97	1.27	1.28	2.76	0.92
135	0.75	0.92	1.01	1.60	2.68	1.11	0.63	1.03	1.29	1.29	3.00	1.00
140	0.81	0.98	1.05	1.24	2.78	1.14	0.69	1.04	1.30	1.30	3.13	1.05
145	0.85	1.02	1.08	1.05	2.86	1.18	0.73	1.02	1.28	1.28	3.25	1.09
150	0.87	1.03	1.09	0.98	2.90	1.17	0.76	1.02	1.24	1.25	3.34	1.10
155	0.86	1.02	1.08	0.97	2.88	1.16	0.77	1.02	1.20	1.20	3.38	1.10
160	0.84	0.99	1.06	0.97	2.69	1.12	0.76	1.03	1.15	1.10	3.19	1.07
165	0.83	0.96	1.03	0.96	2.20	1.10	0.79	1.00	1.11	1.04	2.73	1.05
170	0.83	0.97	1.01	0.94	1.72	1.14	0.81	1.00	1.10	0.99	2.26	1.06
175	0.86	1.01	1.05	0.95	1.57	1.16	0.84	1.03	1.11	0.96	2.19	1.11
180	0.90	1.07	1.11	1.00	1.83	1.20	0.90	1.07	1.12	1.01	2.08	1.19

C Range: 0 - 360DEG
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