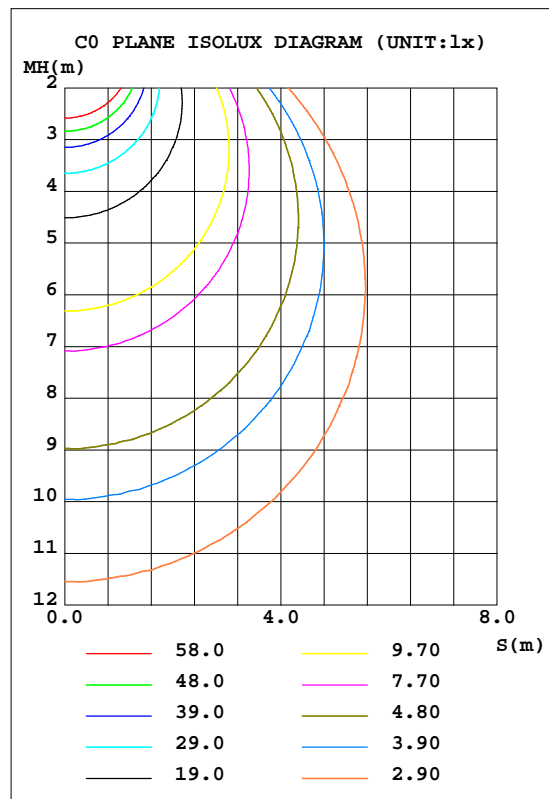
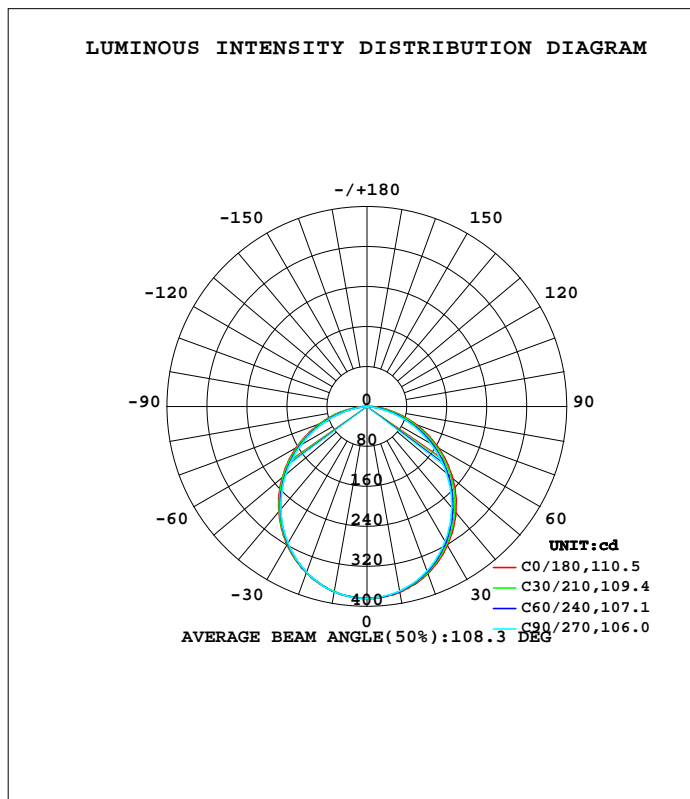


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm		
NAME: LVS-WS-21-MCT5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 69.24 lm/W			
MODEL	LVS-WS-21-MCT5	I _{max} (cd)	385.0	S/MH(C0/180)	1.36
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.34
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1044.3	h UP, DN(C0-180)	0.3,49.5
NOMINAL FLUX(lm)	1044.26	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.2,50.0
LAMPS INSIDE	1	h up(%)	0.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	99.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiuLiwen
 Test Date:2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

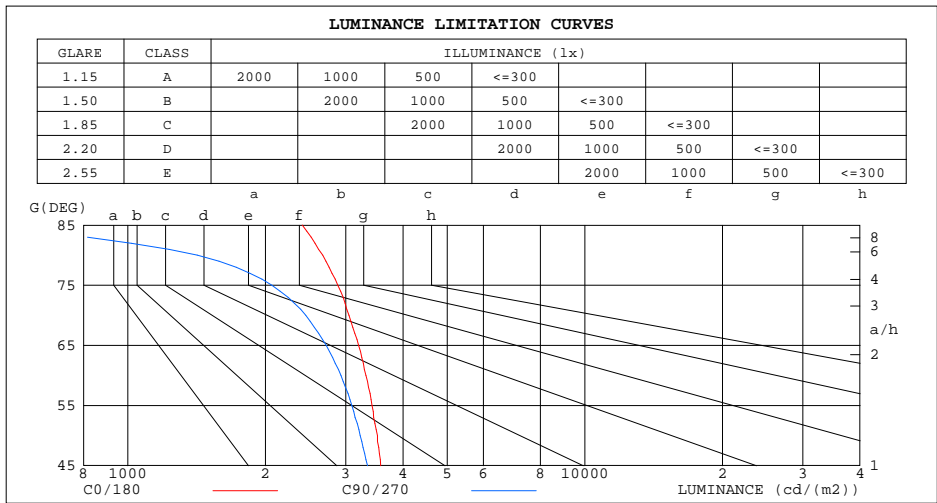
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lamp
10	377.6	376.4	375.3	375.1	376.2	376.5	376.7	376.8	0- 10	36.28	36.28	3.47
20	355.6	353.5	350.4	351.7	354.6	353.8	353.4	354.3	10- 20	103.4	139.7	13.4
30	321.9	317.5	312.2	314.9	319.8	317.3	316.0	319.2	20- 30	155.1	294.8	28.2
40	276.9	270.9	264.0	268.4	274.8	270.9	268.5	273.2	30- 40	184.6	479.4	45.9
50	224.6	216.5	207.7	213.8	221.3	216.0	212.6	219.1	40- 50	188.5	667.9	64
60	165.0	156.7	146.6	153.6	162.5	155.7	151.3	158.7	50- 60	167.0	834.9	80
70	103.6	94.28	83.99	91.35	101.1	92.94	87.95	95.84	60- 70	123.7	958.6	91.8
80	46.08	35.26	24.68	32.33	42.67	33.57	27.14	36.75	70- 80	67.30	1026	98.2
90	0.4650	0.2400	0.1947	0.2485	0.2140	0.1623	0.1224	0.1530	80- 90	13.46	1039	99.5
100	0.5672	0.4974	0.4681	0.5084	0.4713	0.4274	0.3836	0.4153	90-100	0.3611	1040	99.6
110	0.8056	0.7848	0.7830	0.7870	0.6826	0.6705	0.6606	0.6638	100-110	0.6366	1040	99.6
120	1.008	0.9846	1.029	0.9618	0.8378	0.8548	0.8908	0.8533	110-120	0.8233	1041	99.7
130	1.071	1.110	1.161	1.091	0.8754	0.9537	1.012	0.9555	120-130	0.8735	1042	99.8
140	1.092	1.189	1.212	1.138	0.9027	0.9241	1.054	0.9600	130-140	0.8080	1043	99.9
150	1.020	1.160	1.248	1.086	0.8259	0.8864	0.9912	0.9267	140-150	0.6556	1043	99.9
160	0.9070	1.014	1.120	0.9156	0.7435	0.7898	0.9029	0.8472	150-160	0.4464	1044	100
170	0.8222	0.9565	0.9094	0.8209	0.7142	0.7093	0.7859	0.8170	160-170	0.2413	1044	100
180	0.7587	0.8771	0.9259	0.8771	0.7682	0.8784	0.9208	0.8768	170-180	0.0775	1044	100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiuLiwen
 Test Date:2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm		
NAME: LVS-WS-21-MCT5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2408	313
80	2670	1419
75	2882	2066
70	3048	2452
65	3197	2716
60	3320	2927
55	3424	3092
50	3516	3226
45	3577	3344

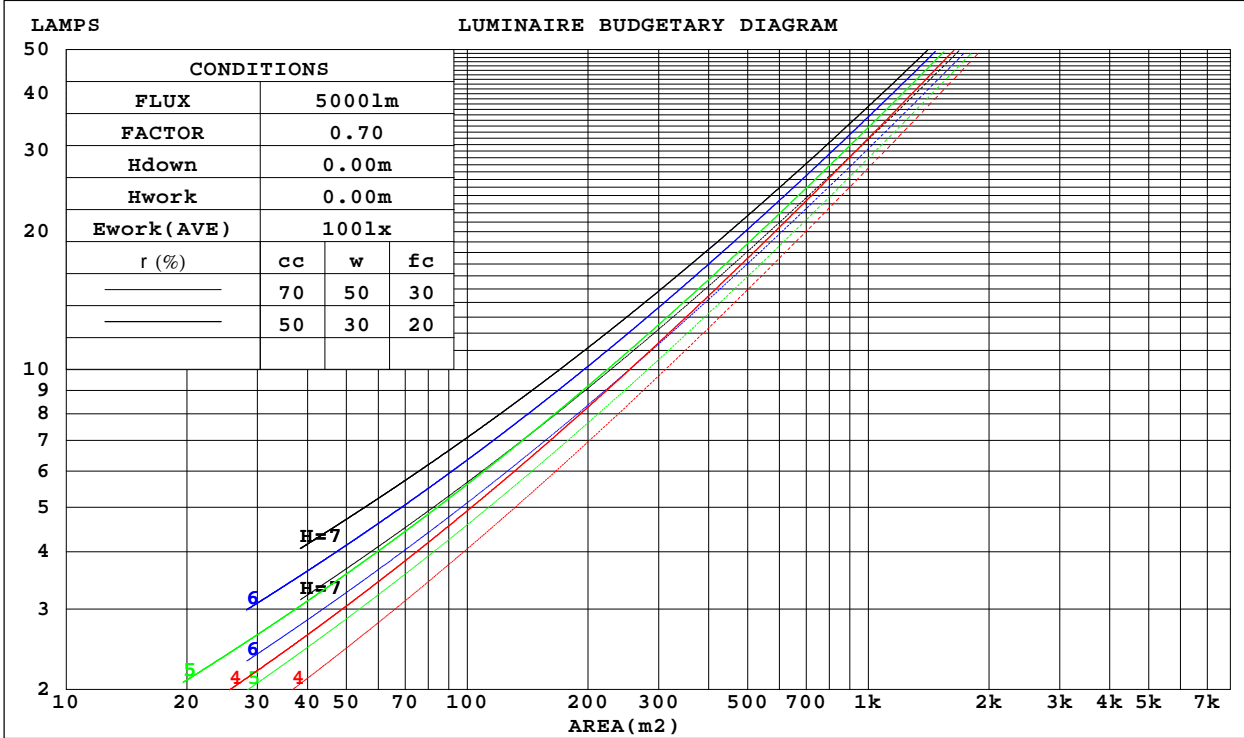
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LiuLiwen
 Test Date: 2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 3.010m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm		
NAME: LVS-WS-21-MCT5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r 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	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.79	.89	.83	.78	.86	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.72	.66	.78	.71	.65	.75	.69	.64	.73	.67	.63	.70	.65	.61	.59
4.0	.71	.62	.56	.70	.62	.55	.67	.60	.54	.65	.59	.54	.63	.57	.53	.51
5.0	.64	.55	.48	.62	.54	.48	.60	.53	.47	.58	.52	.47	.56	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.41	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.37	.48	.41	.36	.47	.41	.36	.34
8.0	.47	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
9.0	.44	.35	.30	.43	.35	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiuLiwen
 Test Date:2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm		
NAME: LVS-WS-21-MCT5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.299	.170	.054	.292	.166	.053	.278	.160	.051	.266	.153	.049	.255	.148	.048	
2.0	.284	.156	.048	.278	.153	.047	.266	.148	.046	.255	.143	.045	.245	.139	.044	
3.0	.264	.141	.042	.259	.139	.042	.248	.135	.041	.239	.131	.040	.230	.127	.039	
4.0	.245	.127	.037	.240	.126	.037	.231	.122	.037	.222	.119	.036	.214	.116	.035	
5.0	.227	.116	.033	.223	.114	.033	.214	.112	.033	.207	.109	.032	.199	.107	.032	
6.0	.211	.106	.030	.207	.105	.030	.200	.102	.030	.193	.100	.029	.186	.098	.029	
7.0	.197	.097	.028	.193	.096	.027	.186	.094	.027	.180	.092	.027	.174	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.025	
9.0	.172	.083	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.150	.075	.021	.146	.073	.021	

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.183	.160	.139	.157	.137	.119	.107	.094	.083	.062	.055	.048	.020	.018	.016	
2.0	.175	.136	.103	.150	.117	.089	.103	.081	.062	.059	.047	.036	.019	.015	.012	
3.0	.167	.118	.079	.143	.102	.068	.098	.071	.048	.057	.041	.028	.018	.013	.009	
4.0	.159	.105	.063	.137	.090	.054	.094	.063	.038	.054	.037	.023	.018	.012	.007	
5.0	.152	.094	.051	.131	.081	.045	.090	.057	.032	.052	.033	.019	.017	.011	.006	
6.0	.145	.086	.043	.125	.074	.038	.086	.052	.027	.050	.031	.016	.016	.010	.005	
7.0	.138	.079	.037	.119	.068	.032	.082	.048	.023	.048	.028	.014	.015	.009	.005	
8.0	.132	.073	.033	.114	.063	.028	.079	.044	.020	.046	.026	.012	.015	.009	.004	
9.0	.126	.068	.029	.108	.059	.025	.075	.042	.018	.044	.025	.011	.014	.008	.004	
10.0	.120	.064	.026	.104	.055	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiuLiwen
 Test Date:2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm										
NAME: LVS-WS-21-MCT5					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: LIBO					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	17.2	18.7	17.5	18.9	19.1	16.7	18.2	16.9	18.4	18.6
3H	18.7	20.1	19.0	20.3	20.6	18.0	19.3	18.3	19.6	19.8
4H	19.4	20.7	19.7	20.9	21.2	18.4	19.7	18.7	20.0	20.2
6H	19.8	21.1	20.2	21.3	21.6	18.6	19.8	18.9	20.1	20.4
8H	20.0	21.2	20.3	21.5	21.8	18.6	19.8	19.0	20.1	20.4
12H	20.1	21.2	20.4	21.5	21.9	18.6	19.7	18.9	20.0	20.3
4H 2H	17.7	19.0	18.0	19.3	19.5	17.3	18.6	17.6	18.9	19.1
3H	19.4	20.6	19.8	20.9	21.2	18.8	19.9	19.1	20.2	20.5
4H	20.2	21.2	20.6	21.6	21.9	19.3	20.4	19.7	20.7	21.0
6H	20.8	21.7	21.2	22.1	22.5	19.6	20.5	20.0	20.9	21.3
8H	21.0	21.9	21.4	22.3	22.6	19.6	20.5	20.1	20.9	21.3
12H	21.2	22.0	21.6	22.4	22.8	19.6	20.4	20.0	20.8	21.2
8H 4H	20.4	21.2	20.8	21.6	22.0	19.6	20.5	20.0	20.8	21.2
6H	21.1	21.8	21.6	22.2	22.7	20.0	20.7	20.4	21.1	21.6
8H	21.4	22.0	21.9	22.5	22.9	20.1	20.7	20.5	21.1	21.6
12H	21.6	22.2	22.1	22.6	23.1	20.0	20.6	20.5	21.0	21.5
12H 4H	20.4	21.2	20.8	21.5	22.0	19.6	20.4	20.0	20.8	21.2
6H	21.1	21.8	21.6	22.2	22.7	20.0	20.7	20.5	21.1	21.6
8H	21.5	22.0	21.9	22.5	22.9	20.1	20.7	20.6	21.1	21.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 1044 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.2)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiuLiwen
 Test Date:2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm		
NAME: LVS-WS-21-MCT5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

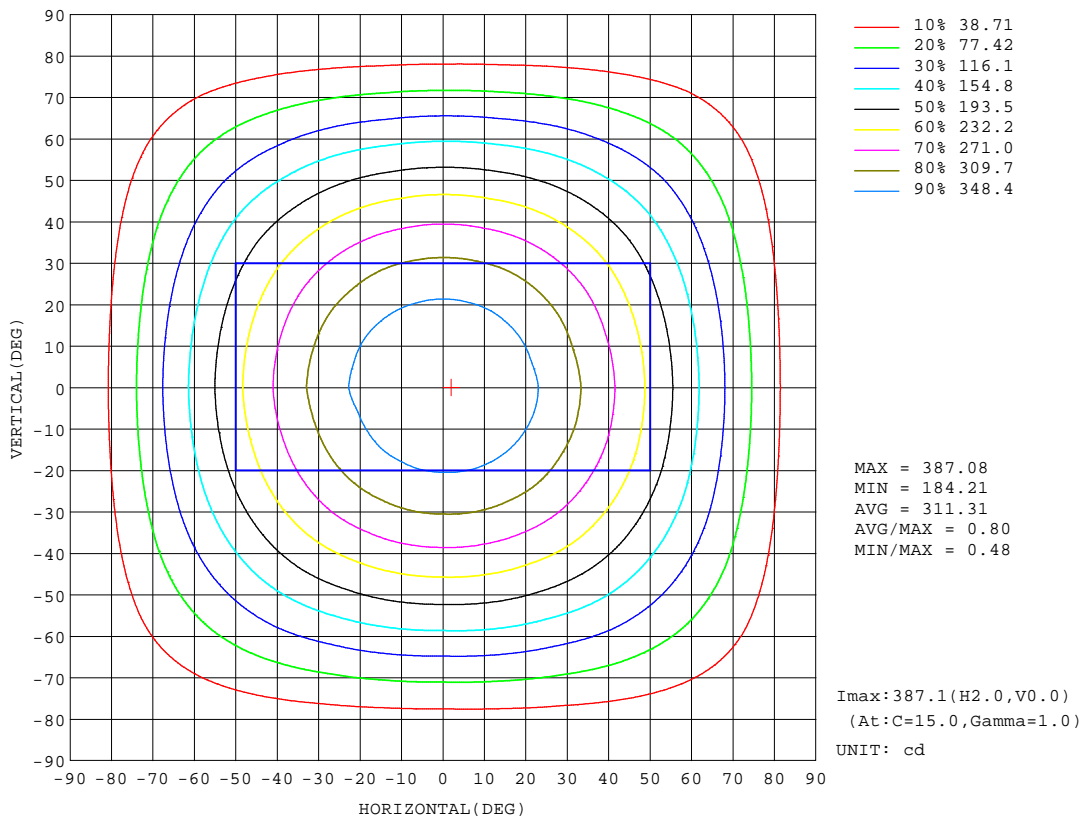
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	40	33
0.80	68	57	50	67	56	49	65	56	49	42
1.00	77	66	59	75	65	58	73	66	58	51
1.25	84	73	66	82	73	66	80	71	65	58
1.50	89	79	72	87	78	72	84	76	71	63
2.00	96	87	81	94	86	80	90	84	79	71
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	91	100	94	90	96	91	87	79
4.00	107	101	97	104	99	95	100	96	92	84
5.00	109	104	100	106	102	99	102	99	96	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:25.3DEG
 Operators:LiuLiwen
 Test Date:2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm		
NAME: LVS-WS-21-MCT5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:



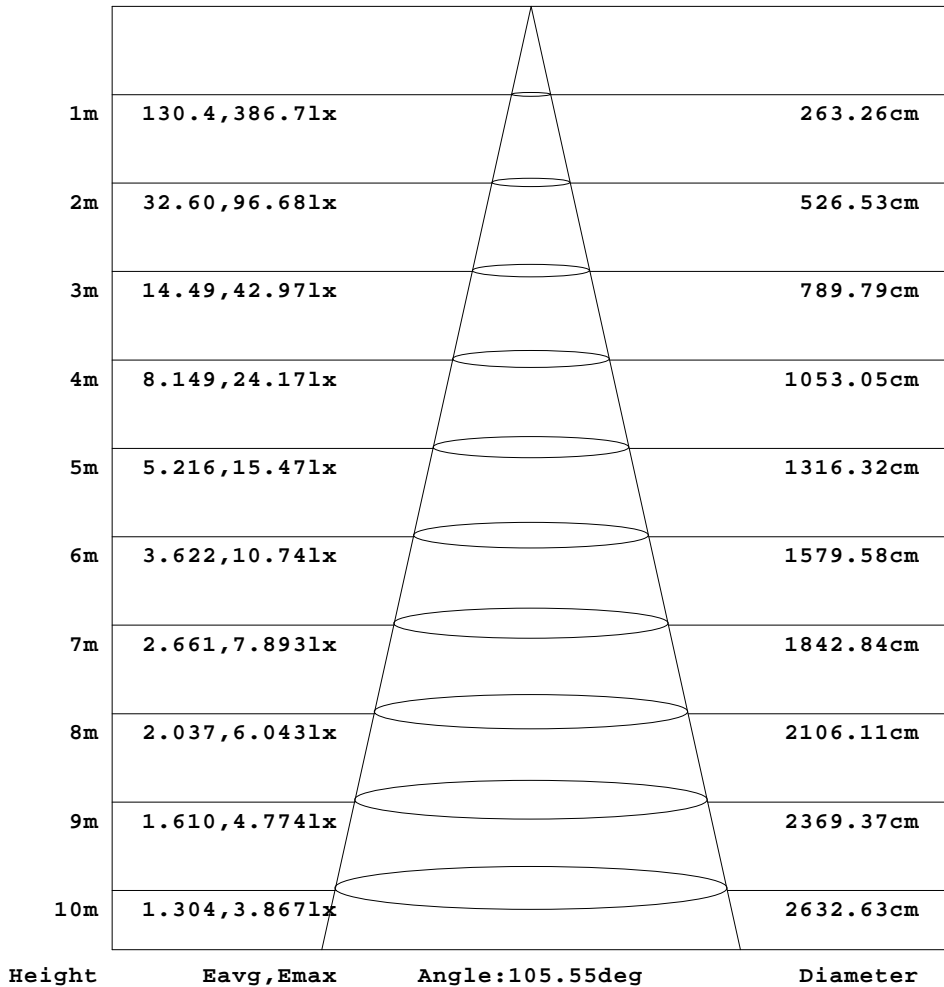
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiuLiwen
 Test Date:2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm		
NAME: LVS-WS-21-MCT5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

Flux out:721.4 lm



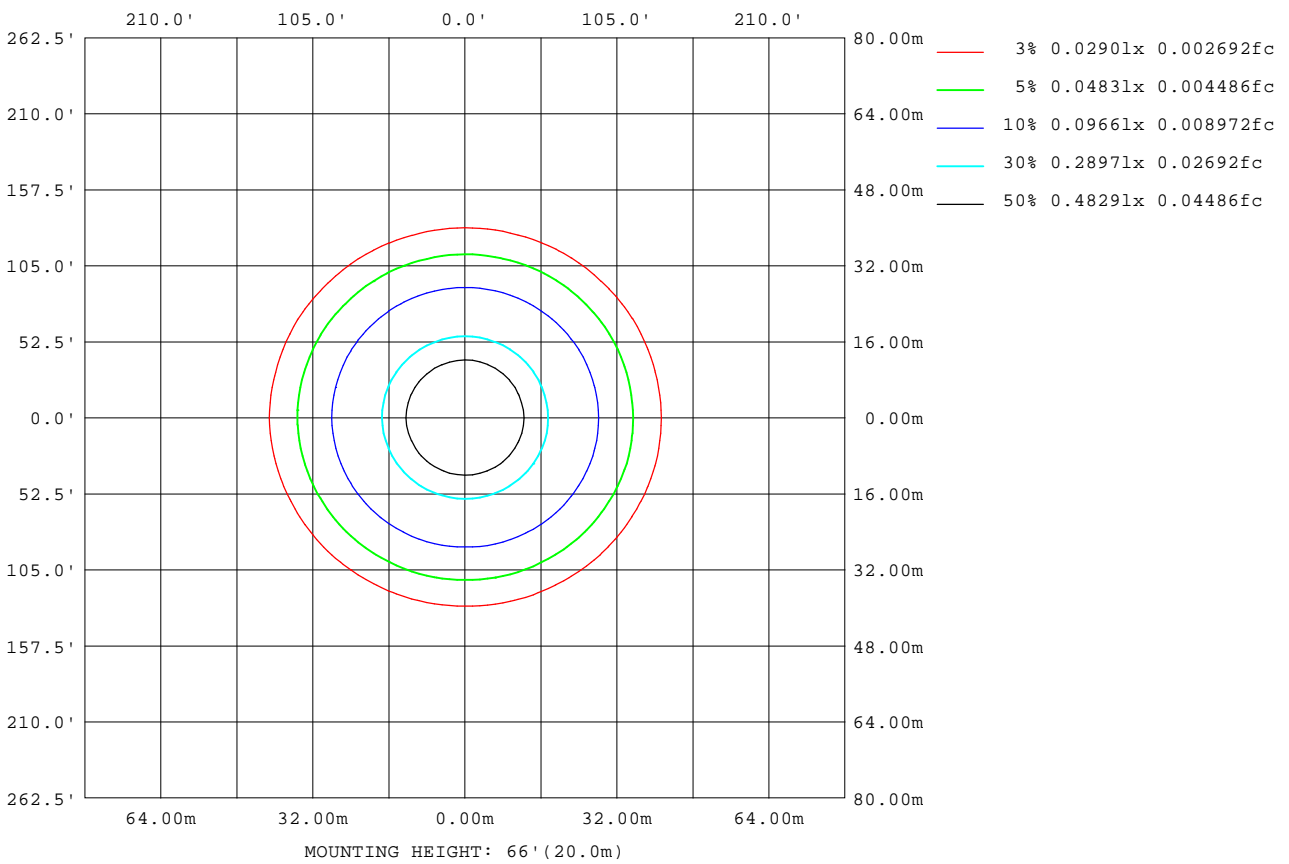
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiuLiwen
 Test Date:2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm		
NAME: LVS-WS-21-MCT5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LiuLiwen
 Test Date: 2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 3.010m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm		
NAME: LVS-WS-21-MCT5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

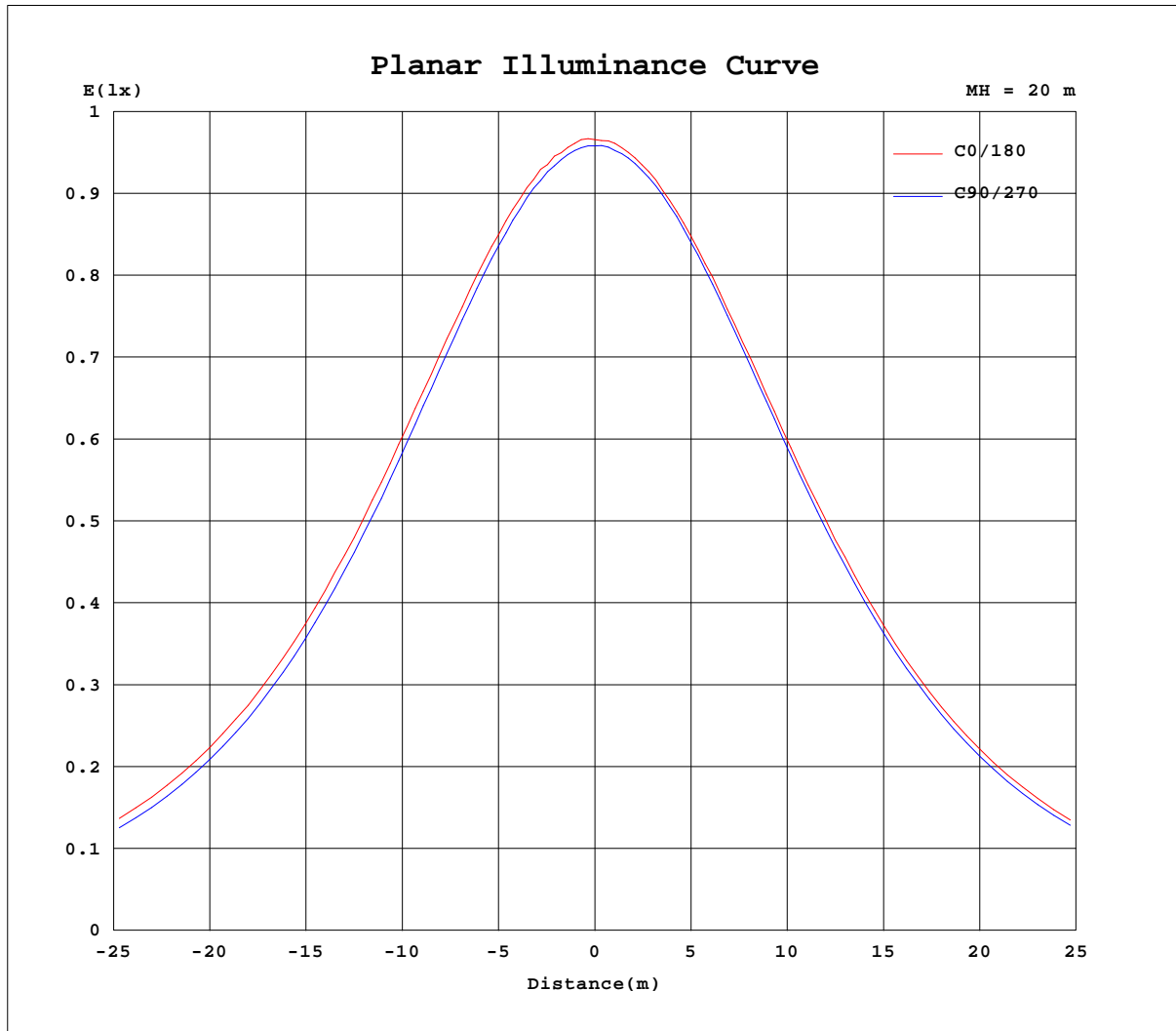
AvgL	cd/m2
L_0~180(65)av	3149
L_0~180(75)av	2801
L_0~180(85)av	2214
L_90~270(65)av	2776
L_90~270(75)av	2134
L_90~270(85)av	345
L_45(65)av	2954
L_45(75)av	2446
L_45(85)av	927

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiuLiwen
 Test Date:2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LiuLiwen
 Test Date: 2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 3.010m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm		
NAME: LVS-WS-21-MCT5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384
5	382	382	382	382	382	382	382	382	382	381	382	382	382	382	382	382	382	382	382
10	378	377	376	376	376	375	375	375	375	375	376	376	376	376	376	376	377	376	377
15	368	368	367	366	366	365	365	365	365	365	366	366	367	367	366	366	367	366	367
20	356	356	354	353	352	351	350	351	351	352	352	353	355	355	354	354	354	353	353
25	341	340	338	337	335	334	333	334	333	335	336	337	339	339	338	337	337	335	336
30	322	321	318	318	315	313	312	313	313	315	317	318	320	319	318	317	317	315	316
35	300	300	297	295	292	290	290	290	291	293	295	297	298	298	297	295	294	293	293
40	277	276	273	271	268	265	264	265	266	268	271	273	275	274	273	271	269	268	269
45	251	251	247	244	241	238	237	238	239	242	244	247	249	248	247	244	243	241	241
50	225	223	220	216	212	210	208	208	210	214	217	220	221	220	219	216	214	212	213
55	195	195	190	187	182	180	178	179	180	184	188	191	193	191	190	186	184	182	182
60	165	165	160	157	152	149	147	148	149	154	157	161	162	161	159	156	153	151	151
65	134	134	129	125	120	117	115	116	118	123	126	130	132	130	128	124	122	119	120
70	104	103	98.2	94.3	89.0	86.1	84.0	85.1	87.1	91.4	94.3	99.2	101	99.0	97.2	92.9	90.4	87.8	87.9
75	74.1	72.8	68.5	63.9	58.8	55.6	53.6	54.5	56.7	61.0	65.0	69.1	70.9	69.4	66.7	62.6	59.5	56.8	56.9
80	46.1	44.7	40.0	35.3	29.9	26.6	24.7	25.6	27.8	32.3	36.6	40.8	42.7	41.0	38.1	33.6	30.1	27.2	27.1
85	20.9	19.0	13.7	8.82	5.11	3.52	2.73	3.00	3.87	6.48	10.5	15.5	17.7	15.5	11.5	7.20	4.47	3.22	3.28
90	0.46	0.31	0.27	0.24	0.21	0.19	0.19	0.20	0.22	0.25	0.30	0.33	0.21	0.20	0.18	0.16	0.14	0.13	0.12
95	0.44	0.43	0.39	0.36	0.33	0.31	0.31	0.32	0.34	0.37	0.41	0.44	0.34	0.34	0.32	0.29	0.26	0.25	0.23
100	0.57	0.55	0.53	0.50	0.48	0.46	0.47	0.47	0.50	0.51	0.54	0.56	0.47	0.46	0.45	0.43	0.40	0.39	0.38
105	0.68	0.67	0.66	0.65	0.64	0.63	0.64	0.64	0.65	0.66	0.67	0.66	0.59	0.58	0.57	0.57	0.55	0.54	0.53
110	0.81	0.79	0.79	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.78	0.76	0.68	0.68	0.68	0.67	0.66	0.66	0.66
115	0.92	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.89	0.88	0.87	0.85	0.78	0.77	0.78	0.77	0.77	0.78	0.78
120	1.01	0.98	0.98	0.98	1.00	1.01	1.03	1.01	0.99	0.96	0.96	0.92	0.84	0.82	0.85	0.85	0.86	0.86	0.89
125	1.06	1.02	1.03	1.05	1.06	1.09	1.11	1.09	1.04	1.03	1.01	0.95	0.88	0.86	0.89	0.91	0.91	0.95	0.97
130	1.07	1.04	1.08	1.11	1.12	1.15	1.16	1.14	1.10	1.09	1.04	0.95	0.88	0.87	0.90	0.95	0.96	1.00	1.01
135	1.08	1.06	1.11	1.17	1.17	1.20	1.20	1.18	1.14	1.14	1.06	0.97	0.89	0.88	0.91	0.99	0.99	1.03	1.05
140	1.09	1.07	1.14	1.19	1.19	1.20	1.21	1.18	1.15	1.14	1.09	0.99	0.90	0.88	0.93	0.92	1.00	1.02	1.05
145	1.09	1.08	1.13	1.18	1.20	1.24	1.25	1.20	1.16	1.13	1.06	0.98	0.89	0.87	0.92	0.91	0.94	1.02	1.08
150	1.02	1.04	1.06	1.16	1.21	1.24	1.25	1.19	1.15	1.09	0.99	0.93	0.83	0.82	0.88	0.89	0.91	0.93	0.99
155	0.96	1.01	1.00	1.09	1.17	1.20	1.21	1.15	1.09	1.01	0.92	0.90	0.78	0.78	0.81	0.84	0.86	0.89	0.96
160	0.91	0.96	0.96	1.01	1.07	1.13	1.12	1.08	0.99	0.92	0.84	0.85	0.74	0.73	0.73	0.79	0.82	0.86	0.90
165	0.88	0.92	0.95	0.95	0.97	1.00	0.97	0.93	0.88	0.83	0.81	0.79	0.72	0.70	0.70	0.70	0.75	0.78	0.82
170	0.82	0.87	0.94	0.96	0.93	0.94	0.91	0.86	0.83	0.82	0.78	0.73	0.71	0.69	0.68	0.71	0.70	0.72	0.79
175	0.79	0.84	0.90	0.92	0.91	0.93	0.93	0.86	0.85	0.83	0.78	0.70	0.72	0.70	0.72	0.74	0.75	0.75	0.80
180	0.76	0.78	0.83	0.88	0.86	0.87	0.93	0.90	0.85	0.88	0.83	0.75	0.77	0.78	0.83	0.88	0.86	0.87	0.92

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiuLiwen
 Test Date:2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.1284A P:15.082W PF:0.9782 Freq:59.98Hz Lamp Flux:1044.26x1 lm		
NAME: LVS-WS-21-MCT5	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: LIBO	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345															
0	384	384	384	384	384															
5	383	382	382	382	382															
10	377	377	377	377	377															
15	367	367	367	368	368															
20	354	354	354	356	356															
25	337	338	339	340	340															
30	317	318	319	321	321															
35	294	296	298	300	300															
40	269	271	273	276	277															
45	242	245	247	250	251															
50	213	216	219	222	224															
55	183	186	189	193	195															
60	152	156	159	163	164															
65	120	124	127	132	134															
70	89.0	92.7	95.8	101	103															
75	58.2	61.8	65.8	70.4	73.2															
80	28.5	32.4	36.8	41.7	44.9															
85	3.94	6.10	9.83	15.2	19.2															
90	0.12	0.13	0.15	0.17	0.20															
95	0.24	0.25	0.27	0.30	0.32															
100	0.39	0.39	0.42	0.44	0.45															
105	0.54	0.54	0.55	0.57	0.58															
110	0.66	0.66	0.66	0.68	0.69															
115	0.78	0.76	0.76	0.78	0.78															
120	0.87	0.85	0.85	0.86	0.86															
125	0.94	0.92	0.91	0.89	0.90															
130	1.01	0.97	0.96	0.91	0.93															
135	1.04	1.00	1.01	0.93	0.94															
140	1.05	1.02	0.96	0.97	0.95															
145	1.07	0.96	0.94	0.97	0.95															
150	0.98	0.95	0.93	0.92	0.91															
155	0.94	0.91	0.89	0.87	0.87															
160	0.92	0.88	0.85	0.81	0.83															
165	0.86	0.83	0.80	0.82	0.81															
170	0.80	0.79	0.82	0.84	0.78															
175	0.82	0.81	0.82	0.84	0.76															
180	0.89	0.85	0.88	0.83	0.75															

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:LiuLiwen
 Test Date:2022-11-30

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.0000]
 Remarks: