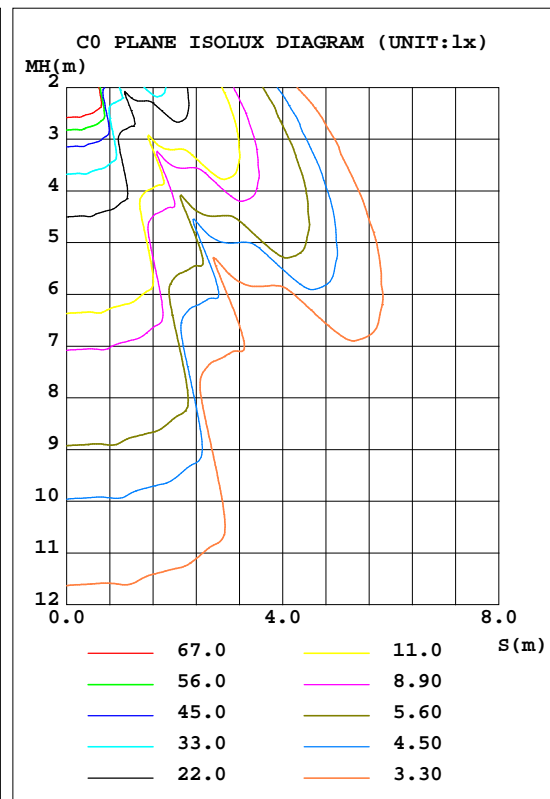
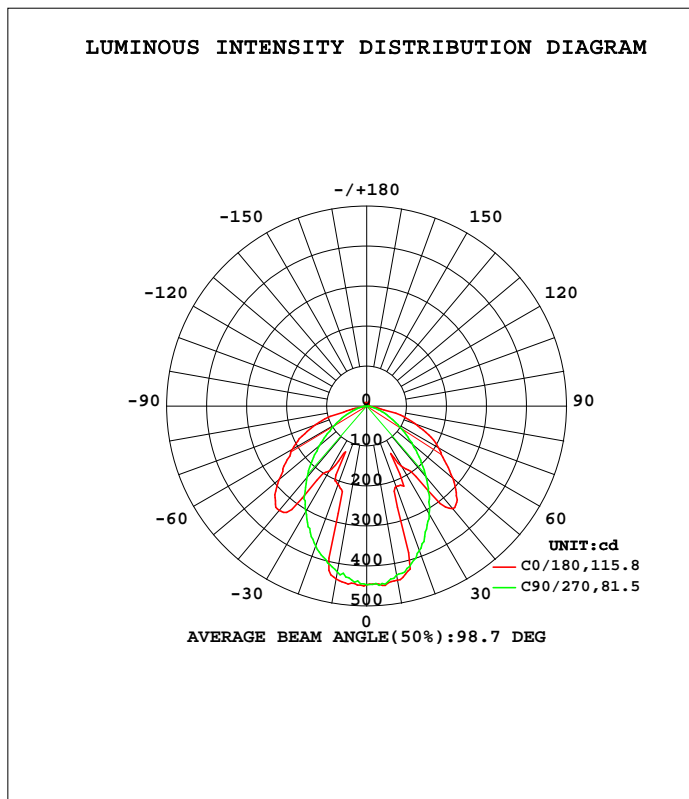


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.93V I:0.1348A P:14.991W PF:0.9276 Freq:50.00Hz Lamp Flux:932.323x1 lm		
NAME: SES-WL219	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:370*90mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 62.19 lm/W
MODEL	--	I _{max} (cd)	451.1	S/MH(C0/180)	0.55	
NOMINAL POWER(W)	--	LOR(%)	100.0	S/MH(C90/270)	1.05	
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	932.32	η UP, DN(C0-180)	1.1, 48.9	
NOMINAL FLUX(lm)	932.323	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 48.8	
LAMPS INSIDE	1	η up(%)	2.3	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	--	η down(%)	97.7	CIBSE SHR MAX	0.75	



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.000m [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	442.0	437.6	429.0	438.3	438.9	420.6	422.0	423.9	0- 10	41.82	41.82	4.49,4.49
20	213.8	394.5	384.9	216.2	209.0	272.0	372.8	384.8	10- 20	106.6	148.4	15.9,15.9
30	172.8	216.4	312.6	202.0	187.0	210.2	305.2	203.3	20- 30	120.0	268.4	28.8,28.8
40	334.5	141.8	230.6	177.0	340.5	155.4	232.3	132.8	30- 40	138.5	406.9	43.6,43.6
50	281.1	186.7	151.3	196.3	286.8	183.6	155.0	185.5	40- 50	166.6	573.5	61.5,61.5
60	206.0	150.1	85.39	152.7	213.6	150.4	90.18	153.5	50- 60	153.8	727.3	78.78
70	128.3	93.89	40.19	92.28	135.3	98.48	40.73	103.4	60- 70	116.9	844.2	90.5,90.5
80	26.78	27.31	10.90	16.22	11.29	26.05	12.19	39.15	70- 80	59.72	903.9	96.9,96.9
90	2.247	2.320	0.0822	2.265	2.533	2.734	0.1411	2.844	80- 90	7.468	911.3	97.7,97.7
100	3.413	3.219	0.1485	3.095	3.634	3.275	0.2775	3.387	90-100	2.423	913.8	98.98
110	3.941	4.066	0.2498	3.719	4.000	3.953	0.4262	4.333	100-110	3.056	916.8	98.3,98.3
120	4.280	3.852	0.3775	3.546	4.315	4.313	0.6076	4.921	110-120	3.080	919.9	98.7,98.7
130	5.867	4.345	0.5236	3.583	5.559	4.423	0.8029	5.320	120-130	3.233	923.1	99.99
140	5.656	6.630	0.6827	4.578	4.695	5.200	0.9740	7.099	130-140	3.155	926.3	99.4,99.4
150	9.861	7.946	0.8320	5.036	6.520	5.240	1.081	8.233	140-150	3.059	929.4	99.7,99.7
160	6.469	2.582	0.9626	1.334	5.137	1.927	1.140	3.735	150-160	2.336	931.7	99.9,99.9
170	1.291	1.096	1.068	1.118	1.201	1.220	1.162	1.150	160-170	0.5260	932.2	100,100
180	1.202	1.145	1.140	1.085	1.203	1.147	1.140	1.085	170-180	0.1093	932.3	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

Conical surface Flux(90deg): 489.34 lm

%lum = 52.5%
%lamp = 52.5%

Conical surface Flux(120deg): 727.26 lm

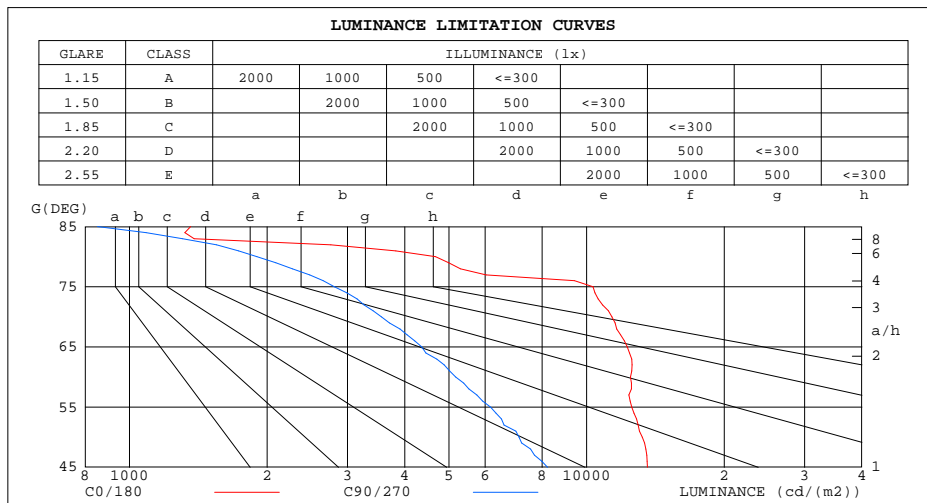
%lum = 78.0%
%lamp = 78.0%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-09-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.93V I:0.1348A P:14.991W PF:0.9276 Freq:50.00Hz Lamp Flux:932.323x1 lm		
NAME: SES-WL219	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:370*90mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1361	851
80	4670	1900
75	10327	2808
70	11356	3557
65	12278	4361
60	12477	5169
55	12561	6162
50	13240	7123
45	13590	8219

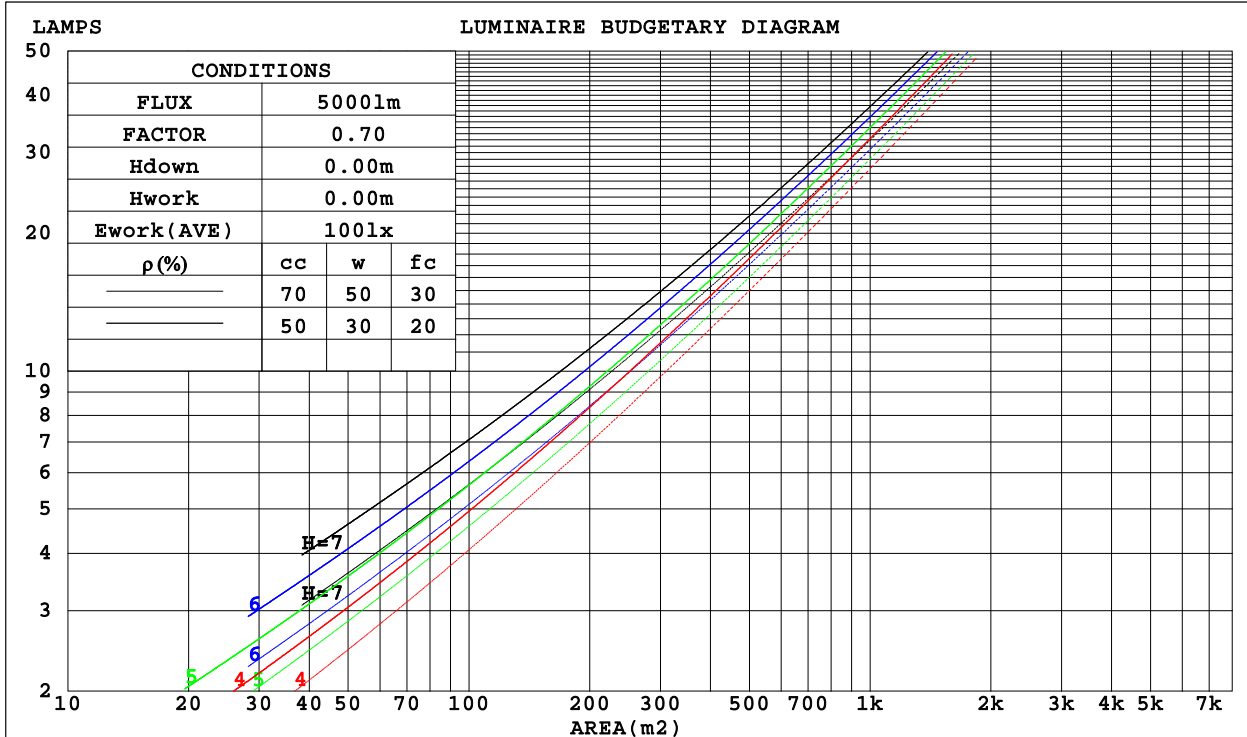
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.93V I:0.1348A P:14.991W PF:0.9276 Freq:50.00Hz Lamp Flux:932.323x1 lm		
NAME: SES-WL219	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:370*90mm	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.04	1.00	.96	1.02	.98	.95	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.91	.84	.79	.89	.83	.78	.85	.80	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.80	.72	.66	.78	.71	.65	.75	.69	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.71	.62	.56	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.55	.48	.62	.54	.48	.60	.53	.47	.58	.51	.46	.56	.50	.46	.43
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.37	.48	.41	.36	.46	.40	.36	.34
8.0	.48	.39	.34	.47	.39	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.93V I:0.1348A P:14.991W PF:0.9276 Freq:50.00Hz Lamp Flux:932.323x1 lm		
NAME: SES-WL219	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:370*90mm	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	.295	.168	.053	.287	.164	.052	.273	.156	.050	.259	.150	.048	.247	.143	.046	
2.0	.282	.155	.047	.275	.152	.047	.263	.146	.045	.251	.141	.044	.240	.136	.043	
3.0	.263	.140	.042	.257	.138	.041	.246	.133	.040	.235	.129	.039	.225	.125	.039	
4.0	.243	.127	.037	.238	.125	.037	.228	.121	.036	.219	.117	.035	.210	.114	.035	
5.0	.225	.115	.033	.221	.113	.033	.212	.110	.032	.203	.107	.032	.195	.104	.031	
6.0	.209	.105	.030	.205	.104	.030	.197	.101	.029	.189	.098	.029	.182	.096	.028	
7.0	.195	.096	.027	.191	.095	.027	.184	.093	.027	.177	.091	.026	.171	.089	.026	
8.0	.182	.089	.025	.179	.088	.025	.172	.086	.025	.166	.084	.024	.160	.082	.024	
9.0	.171	.083	.023	.167	.082	.023	.162	.080	.023	.156	.078	.022	.151	.077	.022	
10.0	.160	.077	.021	.158	.076	.021	.152	.075	.021	.147	.073	.021	.142	.072	.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	.208	.208	.208	.177	.177	.177	.121	.121	.121	.070	.070	.070	.022	.022	.022	
1.0	.197	.174	.153	.168	.149	.132	.115	.102	.091	.066	.059	.053	.021	.019	.017	
2.0	.188	.149	.117	.161	.129	.101	.111	.089	.070	.064	.052	.041	.020	.017	.013	
3.0	.181	.132	.093	.155	.114	.080	.106	.079	.056	.061	.046	.033	.020	.015	.011	
4.0	.173	.118	.077	.148	.102	.067	.102	.071	.047	.059	.042	.028	.019	.014	.009	
5.0	.166	.108	.066	.142	.093	.057	.098	.065	.040	.057	.038	.024	.018	.013	.008	
6.0	.158	.100	.057	.136	.086	.050	.094	.060	.035	.055	.036	.021	.018	.012	.007	
7.0	.152	.093	.051	.130	.080	.045	.090	.056	.032	.052	.033	.019	.017	.011	.006	
8.0	.145	.087	.047	.125	.075	.041	.086	.053	.029	.050	.031	.017	.016	.010	.006	
9.0	.139	.082	.043	.120	.071	.038	.083	.050	.027	.048	.030	.016	.016	.010	.005	
10.0	.133	.078	.041	.115	.067	.035	.080	.047	.025	.047	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.93V I:0.1348A P:14.991W PF:0.9276 Freq:50.00Hz Lamp Flux:932.323x1 lm										
NAME: SES-WL219					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:370*90mm			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	22.3	23.7	22.6	24.0	24.2	18.3	19.8	18.6	20.0	20.3
3H	24.0	25.4	24.3	25.6	25.9	19.1	20.5	19.4	20.7	21.0
4H	24.7	25.9	25.0	26.2	26.5	19.4	20.6	19.7	20.9	21.2
6H	24.8	26.0	25.1	26.3	26.6	19.4	20.6	19.8	21.0	21.3
8H	24.7	25.9	25.1	26.2	26.5	19.4	20.6	19.8	20.9	21.3
12H	24.7	25.8	25.1	26.1	26.5	19.4	20.5	19.8	20.8	21.2
4H 2H	22.6	23.9	22.9	24.2	24.5	19.6	20.9	20.0	21.2	21.5
3H	24.6	25.7	24.9	26.0	26.4	20.6	21.7	21.0	22.0	22.4
4H	25.3	26.4	25.7	26.7	27.1	20.9	21.9	21.3	22.3	22.7
6H	25.5	26.4	25.9	26.8	27.2	21.1	22.0	21.5	22.4	22.8
8H	25.5	26.3	25.9	26.7	27.2	21.1	21.9	21.5	22.3	22.7
12H	25.5	26.2	25.9	26.6	27.1	21.0	21.8	21.5	22.2	22.7
8H 4H	25.4	26.3	25.9	26.7	27.1	21.6	22.4	22.0	22.8	23.2
6H	25.6	26.3	26.1	26.8	27.3	21.8	22.5	22.3	23.0	23.4
8H	25.6	26.3	26.1	26.7	27.2	21.9	22.5	22.4	22.9	23.4
12H	25.6	26.1	26.1	26.6	27.1	21.8	22.4	22.4	22.9	23.4
12H 4H	25.4	26.1	25.8	26.6	27.0	21.6	22.3	22.0	22.8	23.2
6H	25.6	26.2	26.1	26.7	27.2	21.9	22.5	22.4	22.9	23.4
8H	25.6	26.2	26.1	26.6	27.2	21.9	22.4	22.4	22.9	23.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.3 / - 0.3				
1.5H	+ 0.1 / - 0.1					+ 0.2 / - 0.3				
2.0H	+ 0.4 / - 0.8					+ 0.6 / - 0.6				

CIE Pub.117, 932.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.2)
 Area: 0.033 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.93V I:0.1348A P:14.991W PF:0.9276 Freq:50.00Hz Lamp Flux:932.323x1 lm		
NAME: SES-WL219	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:370*90mm	Shielding Angle:

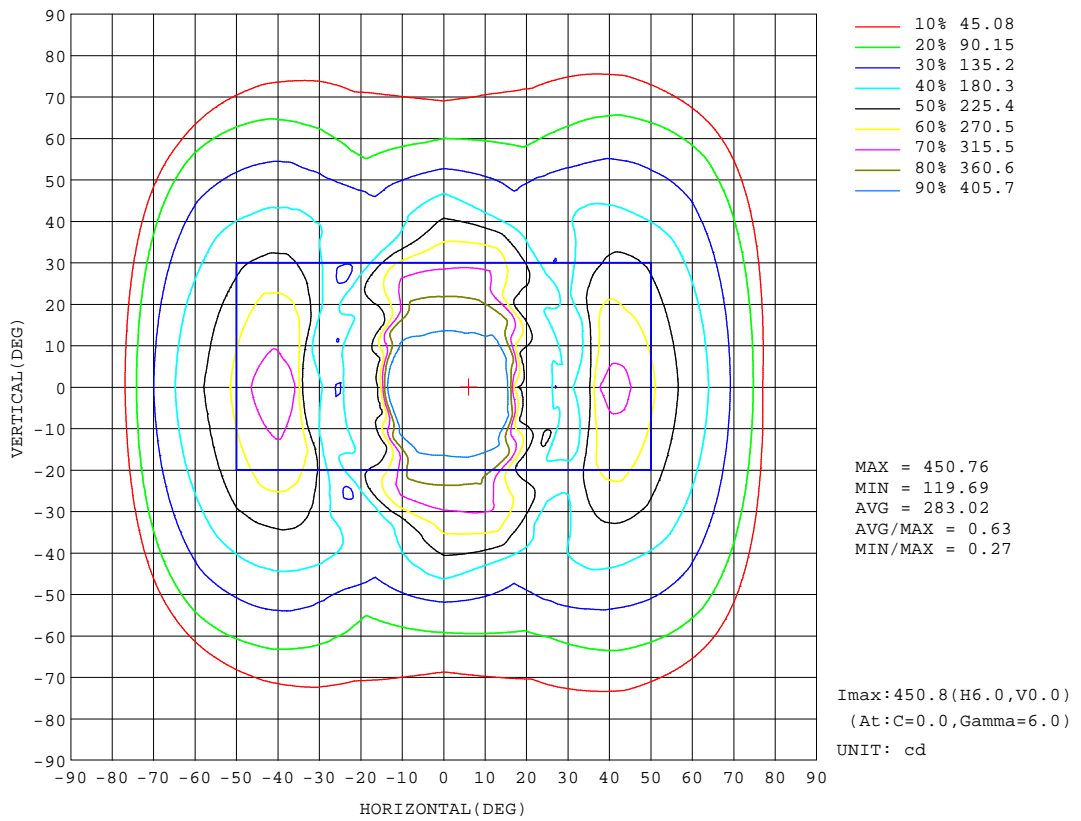
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	92	86	82	73
3.00	102	95	90	100	94	89	95	90	86	77
4.00	106	100	96	103	99	94	99	95	91	82
5.00	108	104	100	106	102	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.93V I:0.1348A P:14.991W PF:0.9276 Freq:50.00Hz Lamp Flux:932.323x1 lm		
NAME: SES-WL219	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:370*90mm	Shielding Angle:



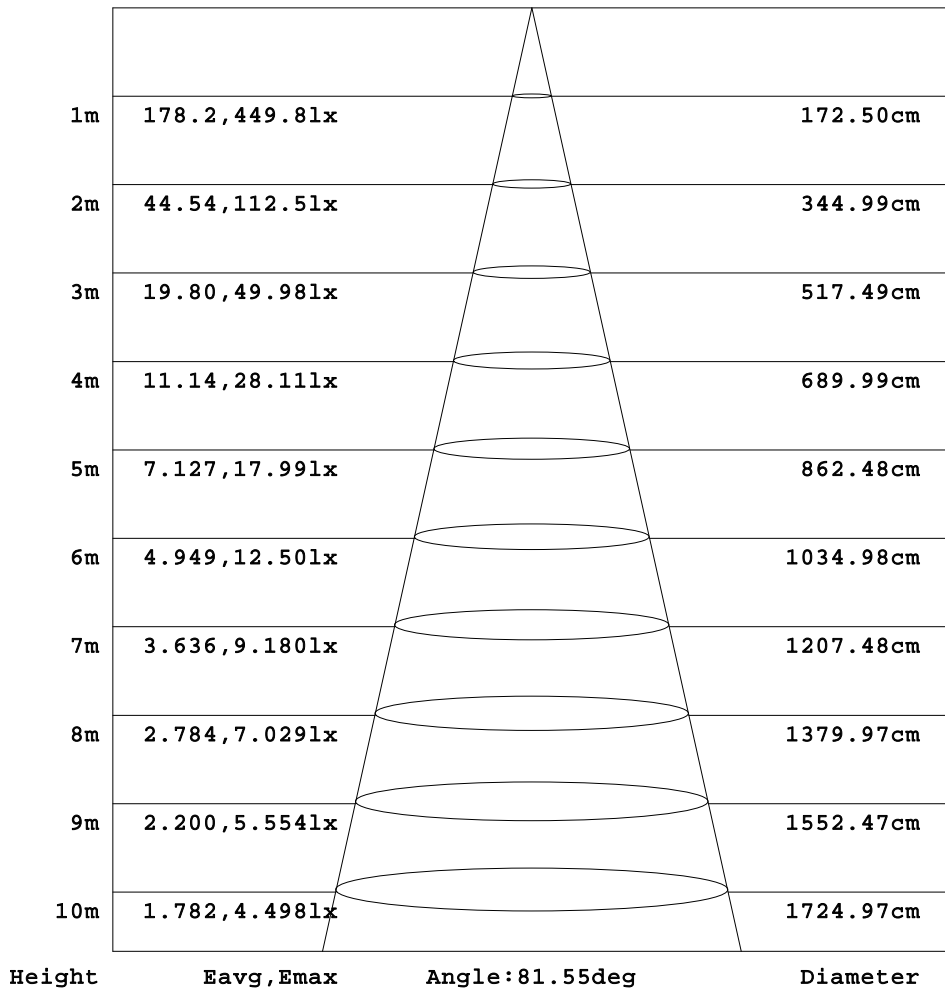
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:119.93V I:0.1348A P:14.991W PF:0.9276 Freq:50.00Hz Lamp Flux:932.323x1 lm		
NAME: SES-WL219	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:370*90mm	Shielding Angle:

Flux out:423.0 lm



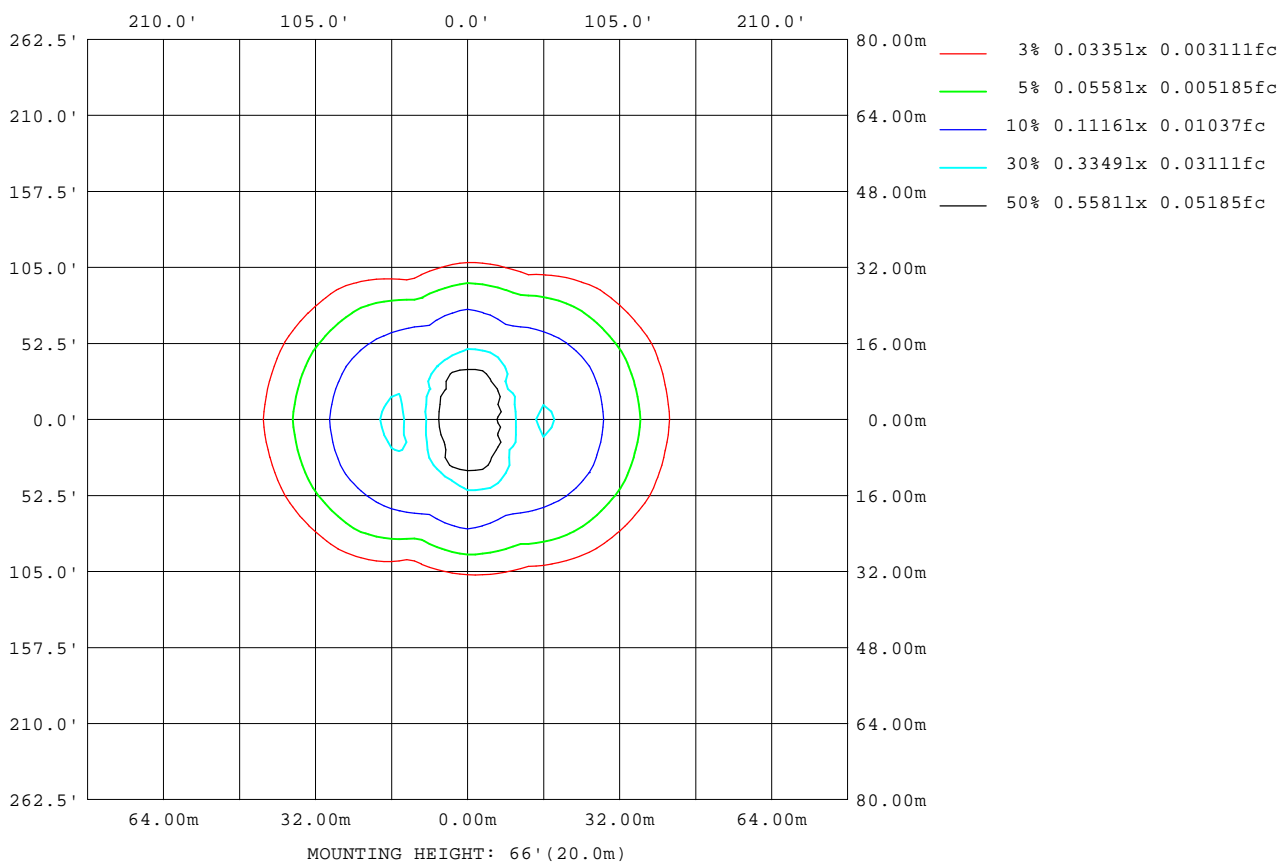
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.93V I:0.1348A P:14.991W PF:0.9276 Freq:50.00Hz Lamp Flux:932.323x1 lm		
NAME: SES-WL219	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:370*90mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.93V I:0.1348A P:14.991W PF:0.9276 Freq:50.00Hz Lamp Flux:932.323x1 lm		
NAME: SES-WL219	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:370*90mm	Shielding Angle:

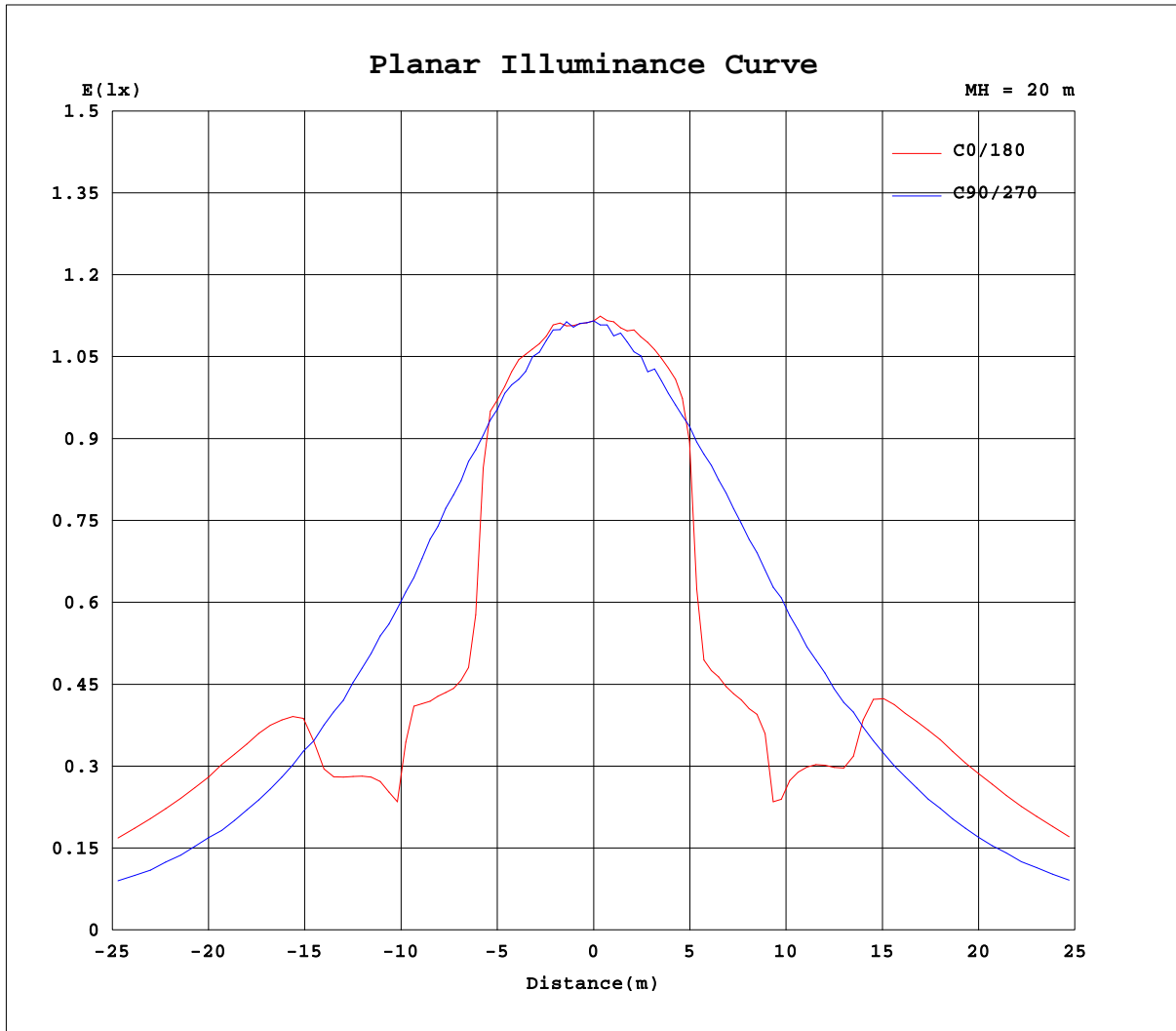
AvgL	cd/m2
L_0~180(65)av	12549
L_0~180(75)av	8673
L_0~180(85)av	1330
L_90~270(65)av	4472
L_90~270(75)av	2885
L_90~270(85)av	1065
L_45(65)av	8995
L_45(75)av	7758
L_45(85)av	1737

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2022-09-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.93V I:0.1348A P:14.991W PF:0.9276 Freq:50.00Hz Lamp Flux:932.323x1 lm		
NAME: SES-WL219	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:370*90mm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447	447			
5	450	445	442	443	446	444	440	443	445	440	436	436	437	433	438	438			
10	442	441	438	433	429	434	438	439	439	433	421	418	422	418	424	435			
15	422	428	424	422	415	415	413	273	278	358	405	401	397	404	410	415			
20	214	219	394	392	385	388	216	206	209	203	272	374	373	377	385	220			
25	221	216	233	360	348	348	210	189	126	218	193	340	338	346	247	207			
30	173	145	216	324	313	282	202	168	187	152	210	296	305	315	203	150			
35	215	174	202	286	274	181	131	256	280	219	120	204	271	279	194	163			
40	334	267	142	229	231	161	177	301	341	281	155	154	232	214	133	259			
45	317	279	175	156	192	149	199	294	325	280	180	141	193	148	165	273			
50	281	257	187	134	151	127	196	264	287	255	184	128	155	133	186	255			
55	238	224	175	116	117	97.7	176	231	248	222	172	100.0	121	114	176	227			
60	206	191	150	94.0	85.4	81.8	153	198	214	194	150	77.5	90.2	89.6	153	193			
65	171	159	122	69.0	60.9	69.3	124	160	179	162	126	65.2	63.8	70.3	129	166			
70	128	122	93.9	51.2	40.2	52.6	92.3	119	135	125	98.5	52.3	40.7	55.0	103	129			
75	88.3	81.8	62.9	34.8	24.0	34.5	59.1	61.7	59.9	74.3	68.8	37.3	25.3	40.2	74.2	91.3			
80	26.8	25.6	27.3	18.5	10.9	15.4	16.2	8.11	11.3	20.4	26.0	20.5	12.2	24.1	39.2	33.3			
85	3.92	4.00	4.70	4.64	2.45	3.03	3.21	3.12	3.73	3.94	4.72	5.05	3.67	7.77	7.35	5.11			
90	2.25	2.30	2.32	1.72	0.08	1.54	2.27	2.37	2.53	2.62	2.73	1.84	0.14	2.13	2.84	2.68			
95	2.54	2.64	2.63	1.68	0.11	1.52	2.56	2.86	2.97	2.99	2.86	1.61	0.20	1.92	2.85	2.71			
100	3.41	3.36	3.22	2.03	0.15	1.84	3.10	3.37	3.63	3.53	3.27	1.72	0.28	2.12	3.39	3.47			
105	3.77	3.90	3.85	2.32	0.20	1.95	3.57	3.73	3.90	3.93	3.66	1.61	0.35	2.15	3.93	3.99			
110	3.94	4.25	4.07	2.28	0.25	1.80	3.72	3.89	4.00	4.22	3.95	1.38	0.43	1.60	4.33	4.38			
115	4.05	4.42	3.85	2.00	0.31	1.56	3.50	4.11	4.07	4.47	4.12	1.37	0.51	1.67	4.67	4.63			
120	4.28	4.71	3.85	1.87	0.38	1.51	3.55	4.50	4.31	4.81	4.31	1.63	0.61	2.01	4.92	4.92			
125	5.21	5.29	3.95	2.34	0.45	1.71	3.47	4.86	5.13	5.19	4.30	2.05	0.71	2.89	5.15	5.49			
130	5.87	5.35	4.34	3.05	0.52	1.87	3.58	4.58	5.56	5.02	4.42	2.24	0.80	3.86	5.32	5.79			
135	5.31	5.20	5.88	3.49	0.60	2.01	4.02	4.62	5.16	4.91	4.74	2.34	0.89	4.51	6.17	5.52			
140	5.66	6.62	6.63	3.41	0.68	1.87	4.58	4.61	4.69	4.98	5.20	2.23	0.97	4.67	7.10	5.84			
145	8.28	7.76	7.81	2.71	0.76	1.34	5.02	6.03	5.26	5.61	5.46	1.59	1.03	3.86	8.73	7.60			
150	9.86	10.8	7.95	1.75	0.83	0.91	5.04	7.13	6.52	6.91	5.24	1.14	1.08	2.66	8.23	9.38			
155	13.1	11.0	5.65	0.89	0.90	0.97	3.48	8.31	10.5	8.14	4.01	1.17	1.11	1.24	7.29	11.8			
160	6.47	5.22	2.58	0.94	0.96	1.01	1.33	3.69	5.14	4.08	1.93	1.18	1.14	1.14	3.74	6.54			
165	2.64	2.19	1.13	0.99	1.02	1.04	1.13	1.38	2.60	1.83	1.26	1.18	1.16	1.13	1.39	2.67			
170	1.29	1.20	1.10	1.04	1.07	1.06	1.12	1.19	1.20	1.22	1.22	1.17	1.16	1.12	1.15	1.19			
175	1.26	1.18	1.12	1.09	1.11	1.08	1.09	1.14	1.18	1.16	1.17	1.15	1.16	1.11	1.11	1.12			
180	1.20	1.16	1.15	1.13	1.14	1.09	1.08	1.11	1.20	1.16	1.15	1.13	1.14	1.09	1.08	1.11			

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