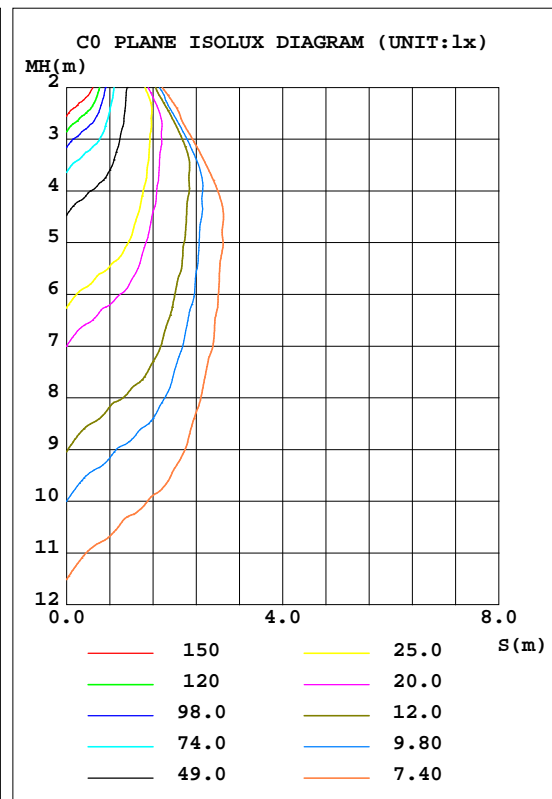
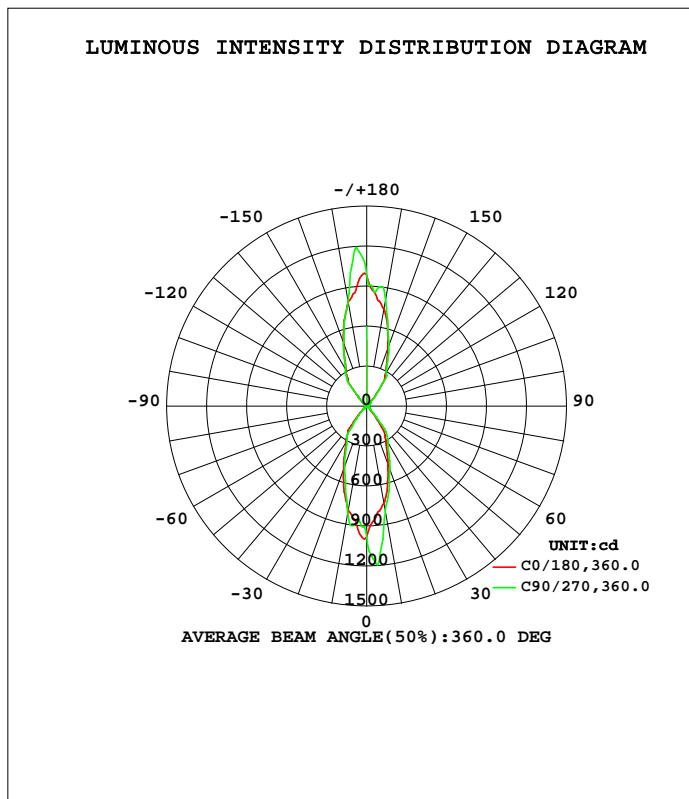


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 53.56 lm/W			
MODEL		I _{max} (cd)	1218	S/MH(C0/180)	0.65
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.61
RATED VOLTAGE(V)	--	TOTAL FLUX(lm)	1328.4	η UP, DN(C0-180)	23.8, 26.1
NOMINAL FLUX(lm)	664.219	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	26.2, 23.9
LAMPS INSIDE	2	η up(%)	50.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	--	η down(%)	50.0	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

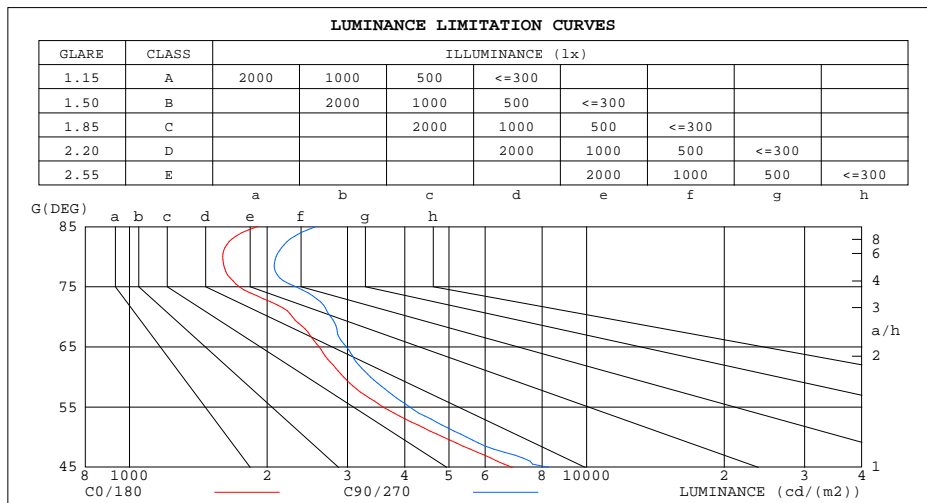
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	\$lum,lamp
10	744.0	830.1	806.4	1043	795.6	682.3	818.8	774.1	0- 10	85.96	85.96	6.47,6.47
20	466.6	476.5	510.7	557.5	508.1	465.5	489.8	510.0	10- 20	178.8	264.8	19.9,19.9
30	287.1	296.5	323.1	348.3	313.9	293.7	297.0	324.7	20- 30	181.1	445.9	33.6,33.6
40	101.9	123.8	147.4	179.9	153.2	109.6	112.7	93.01	30- 40	142.7	588.6	44.3,44.3
50	24.39	25.32	27.45	30.11	27.43	24.90	26.56	25.00	40- 50	43.10	631.7	47.5,47.5
60	11.47	11.91	13.13	14.75	12.66	11.82	12.86	12.55	50- 60	16.41	648.1	48.8,48.8
70	6.065	6.445	7.360	8.216	6.980	6.342	6.728	6.924	60- 70	9.517	657.6	49.5,49.5
80	2.167	2.427	2.836	3.184	2.877	2.470	2.480	2.501	70- 80	4.747	662.3	49.9,49.9
90	1.178	1.025	1.037	1.144	1.121	1.075	1.205	1.290	80- 90	1.874	664.2	50,50
100	2.167	2.501	2.480	2.470	2.877	3.184	2.836	2.427	90-100	1.874	666.1	50.1,50.1
110	6.065	6.924	6.728	6.342	6.980	8.216	7.360	6.445	100-110	4.747	670.8	50.5,50.5
120	11.47	12.55	12.86	11.82	12.66	14.75	13.13	11.91	110-120	9.517	680.4	51.2,51.2
130	24.39	25.00	26.56	24.90	27.43	30.11	27.45	25.32	120-130	16.41	696.8	52.5,52.5
140	101.9	93.01	112.7	109.6	153.2	179.9	147.4	123.8	130-140	43.10	739.9	55.7,55.7
150	287.1	324.7	297.0	293.7	313.9	348.3	323.1	296.5	140-150	142.7	882.5	66.4,66.4
160	466.6	510.0	489.8	465.5	508.1	557.5	510.7	476.5	150-160	181.1	1064	80.1,80.1
170	744.0	774.1	818.8	682.3	795.6	1043	806.4	830.1	160-170	178.8	1242	93.5,93.5
180	981.4	981.4	981.4	981.4	981.4	981.4	981.4	981.4	170-180	85.96	1328	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1907	2559
80	1600	2094
75	1739	2314
70	2273	2759
65	2600	2984
60	2940	3366
55	3589	4108
50	4864	5474
45	6878	8239

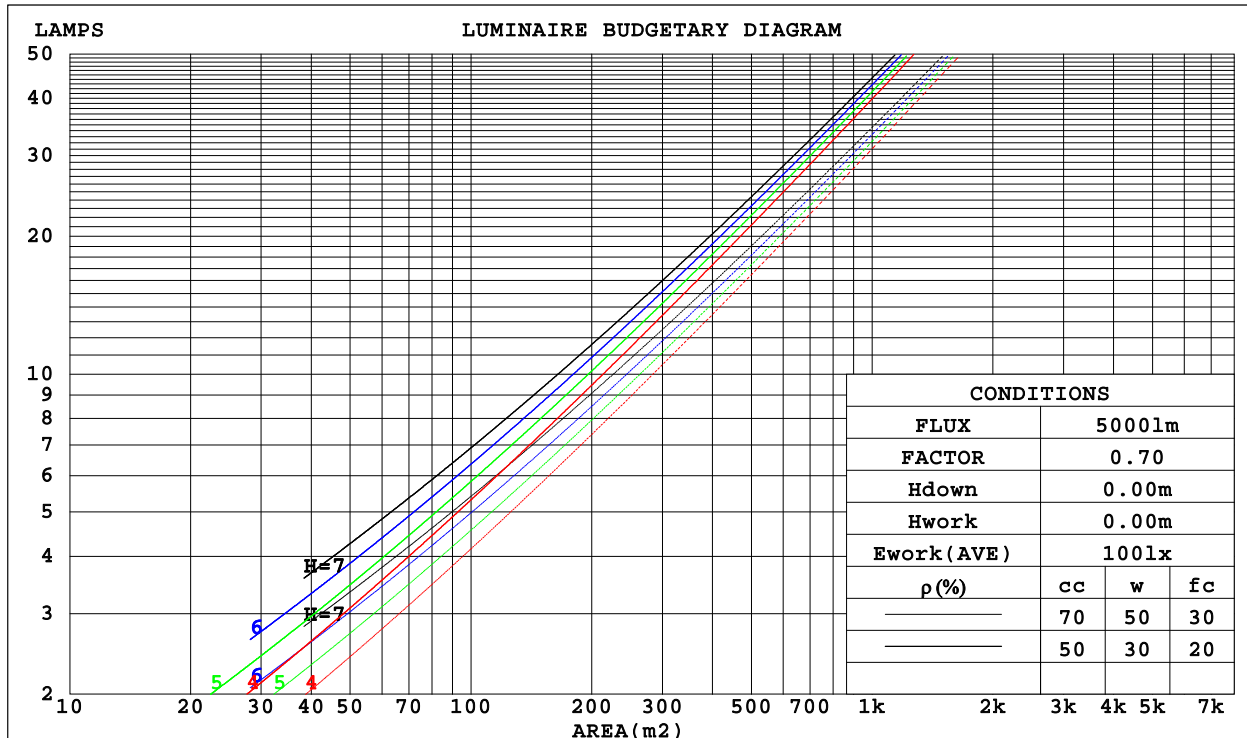
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	1.07	1.07	1.07	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50
1.0	.96	.93	.91	.89	.87	.84	.76	.74	.73	.64	.63	.62	.53	.52	.52	.46
2.0	.87	.82	.78	.81	.77	.73	.70	.67	.64	.59	.57	.56	.50	.48	.47	.43
3.0	.79	.73	.68	.74	.69	.65	.64	.60	.57	.55	.52	.50	.47	.45	.44	.40
4.0	.72	.66	.61	.68	.62	.58	.59	.55	.52	.51	.48	.46	.44	.42	.40	.37
5.0	.66	.59	.54	.62	.56	.52	.55	.50	.47	.48	.45	.42	.41	.39	.37	.34
6.0	.61	.54	.49	.57	.51	.47	.51	.46	.43	.45	.41	.39	.39	.37	.35	.32
7.0	.56	.50	.45	.53	.47	.43	.47	.43	.39	.42	.38	.36	.37	.34	.32	.30
8.0	.52	.46	.41	.49	.44	.40	.44	.40	.36	.39	.36	.33	.35	.32	.30	.28
9.0	.49	.42	.38	.46	.40	.37	.41	.37	.34	.37	.34	.31	.33	.30	.29	.27
10.0	.45	.39	.35	.43	.38	.34	.39	.35	.32	.35	.32	.29	.31	.29	.27	.25



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	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	.222	.126	.040	.200	.114	.036	.159	.091	.029	.122	.070	.022	.087	.050	.016	
2.0	.208	.114	.035	.188	.103	.032	.151	.084	.026	.116	.065	.020	.084	.048	.015	
3.0	.194	.103	.031	.176	.094	.028	.142	.077	.023	.111	.061	.019	.081	.045	.014	
4.0	.181	.094	.028	.165	.086	.026	.134	.071	.021	.105	.056	.017	.078	.043	.013	
5.0	.170	.087	.025	.155	.080	.023	.126	.066	.019	.100	.053	.016	.075	.040	.012	
6.0	.160	.080	.023	.146	.074	.021	.120	.061	.018	.095	.049	.015	.072	.038	.011	
7.0	.151	.075	.021	.138	.069	.020	.114	.057	.017	.091	.046	.014	.069	.036	.011	
8.0	.143	.070	.020	.131	.064	.018	.108	.054	.015	.086	.044	.013	.066	.034	.010	
9.0	.135	.065	.018	.124	.060	.017	.103	.051	.014	.083	.041	.012	.064	.032	.009	
10.0	.128	.061	.017	.118	.057	.016	.098	.048	.013	.079	.039	.011	.061	.031	.009	

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	.571	.571	.571	.488	.488	.488	.333	.333	.333	.191	.191	.191	.061	.061	.061	
1.0	.558	.541	.525	.478	.464	.452	.327	.319	.313	.188	.185	.182	.060	.060	.059	
2.0	.548	.519	.495	.469	.447	.428	.321	.309	.298	.185	.180	.175	.059	.058	.057	
3.0	.539	.503	.474	.462	.434	.411	.317	.301	.288	.183	.176	.170	.059	.057	.056	
4.0	.531	.490	.459	.455	.423	.399	.313	.295	.281	.181	.173	.166	.058	.056	.055	
5.0	.523	.480	.448	.450	.415	.390	.310	.290	.275	.179	.170	.163	.058	.056	.054	
6.0	.517	.472	.440	.444	.409	.383	.307	.286	.271	.178	.168	.161	.057	.055	.053	
7.0	.511	.466	.434	.440	.404	.378	.304	.283	.268	.177	.167	.159	.057	.055	.053	
8.0	.506	.460	.429	.436	.399	.374	.301	.280	.265	.175	.165	.158	.057	.054	.052	
9.0	.501	.456	.425	.432	.396	.371	.299	.278	.263	.174	.164	.157	.056	.054	.052	
10.0	.496	.452	.422	.428	.392	.368	.297	.276	.262	.173	.163	.156	.056	.054	.052	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm										
NAME: SES-WL84-2P					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	12.7	13.5	13.5	14.3	15.3	13.6	14.4	14.4	15.2	16.2
3H	12.6	13.3	13.5	14.1	15.2	13.5	14.2	14.4	15.0	16.1
4H	12.6	13.2	13.4	14.0	15.1	13.5	14.1	14.4	15.0	16.1
6H	12.5	13.0	13.4	13.9	15.0	13.4	14.0	14.3	14.9	16.0
8H	12.4	13.0	13.3	13.9	15.0	13.4	13.9	14.3	14.8	15.9
12H	12.4	12.9	13.3	13.8	14.9	13.3	13.8	14.2	14.7	15.9
4H 2H	12.4	13.0	13.3	13.9	15.0	13.2	13.9	14.1	14.7	15.8
3H	12.4	12.9	13.3	13.8	14.9	13.2	13.7	14.1	14.6	15.8
4H	12.3	12.8	13.3	13.7	14.9	13.2	13.7	14.2	14.6	15.8
6H	12.3	12.7	13.2	13.6	14.8	13.2	13.6	14.1	14.5	15.7
8H	12.2	12.6	13.2	13.6	14.8	13.1	13.5	14.1	14.5	15.7
12H	12.2	12.5	13.2	13.5	14.8	13.1	13.5	14.1	14.4	15.7
8H 4H	12.1	12.5	13.1	13.5	14.7	13.0	13.4	14.0	14.3	15.6
6H	12.1	12.4	13.1	13.4	14.7	13.0	13.3	14.0	14.3	15.6
8H	12.1	12.4	13.1	13.4	14.7	13.0	13.3	14.0	14.3	15.6
12H	12.1	12.3	13.2	13.4	14.7	13.0	13.3	14.1	14.3	15.6
12H 4H	12.1	12.4	13.1	13.4	14.6	12.9	13.2	13.9	14.2	15.5
6H	12.1	12.3	13.1	13.3	14.6	12.9	13.2	13.9	14.2	15.5
8H	12.1	12.3	13.1	13.3	14.6	12.9	13.2	14.0	14.2	15.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 3.5					+ 3.2 / - 4.3				
1.5H	+ 4.2 / - 2.9					+ 5.5 / - 3.9				
2.0H	+ 1.9 / - 1.1					+ 2.4 / - 1.2				

CIE Pub.117, 1328 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.0)
 Area: 0.0078 m2

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

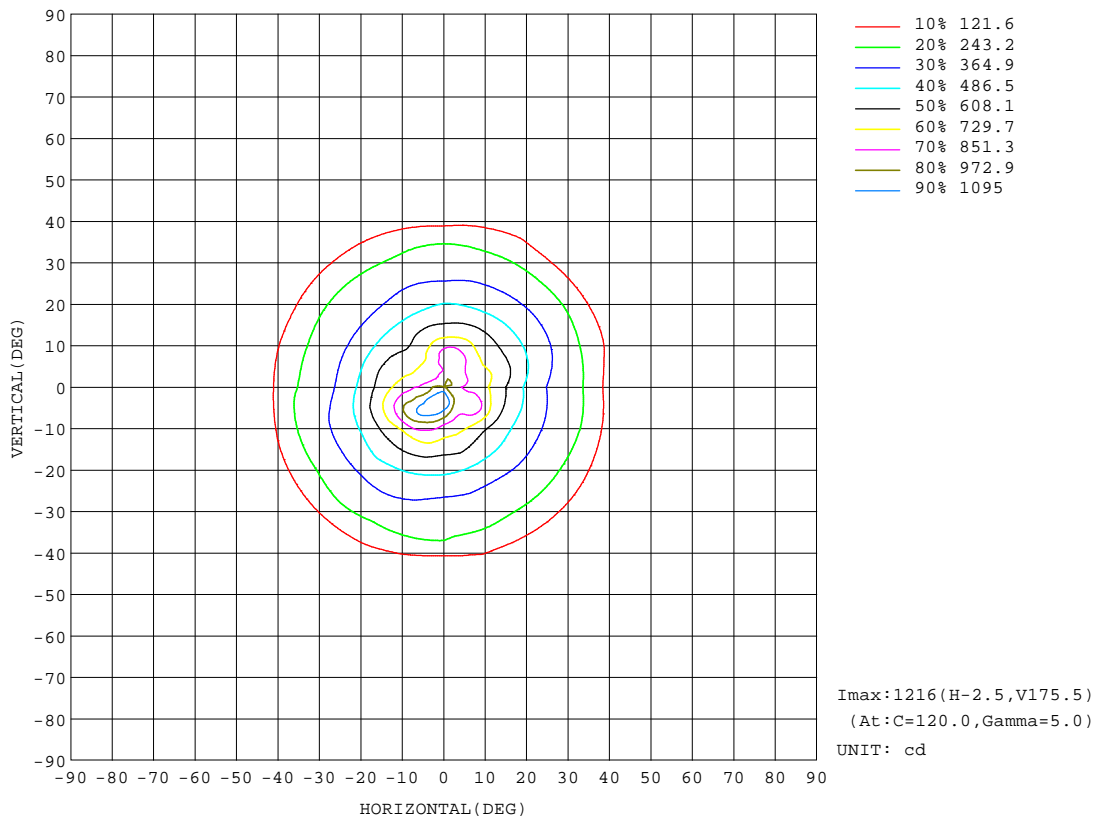
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	50	45	55	48	44	51	45	42	35
0.80	66	58	52	63	55	51	57	51	48	39
1.00	72	64	58	68	61	56	61	56	52	41
1.25	78	69	64	73	66	61	65	60	56	43
1.50	82	74	69	77	70	66	67	63	60	45
2.00	87	80	75	81	75	71	71	67	64	46
2.50	90	84	79	84	79	75	73	69	66	46
3.00	93	87	83	87	82	78	74	71	69	47
4.00	97	92	88	89	86	83	77	74	72	48
5.00	99	95	91	91	88	86	78	76	74	49
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

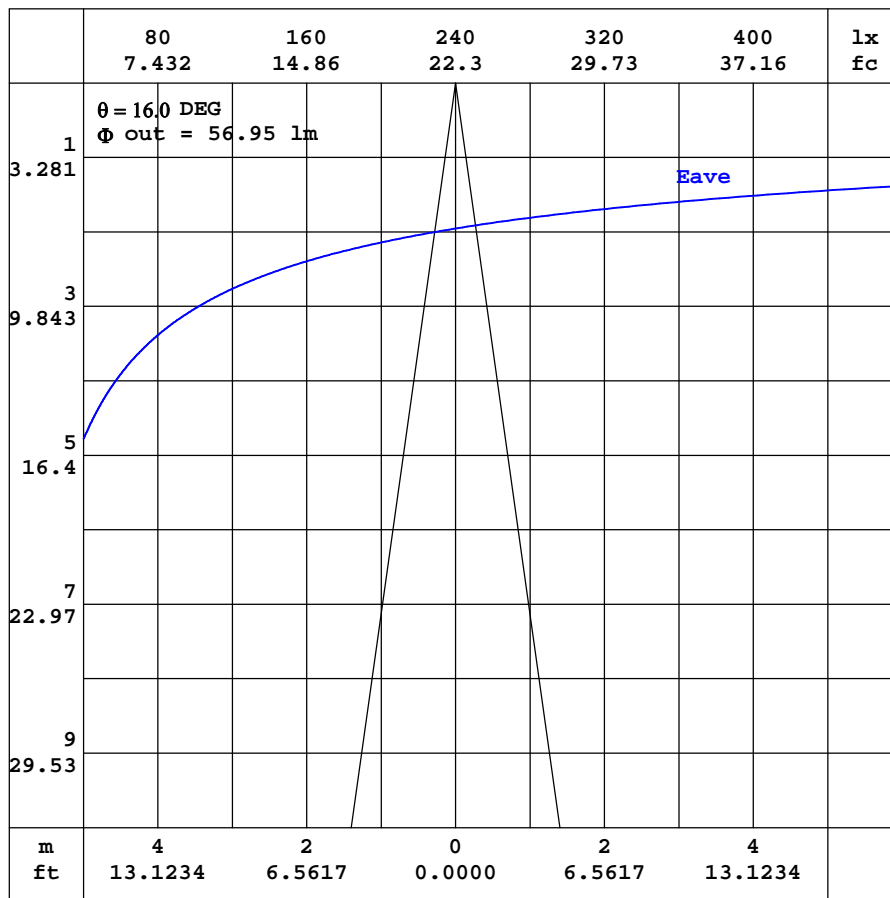


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



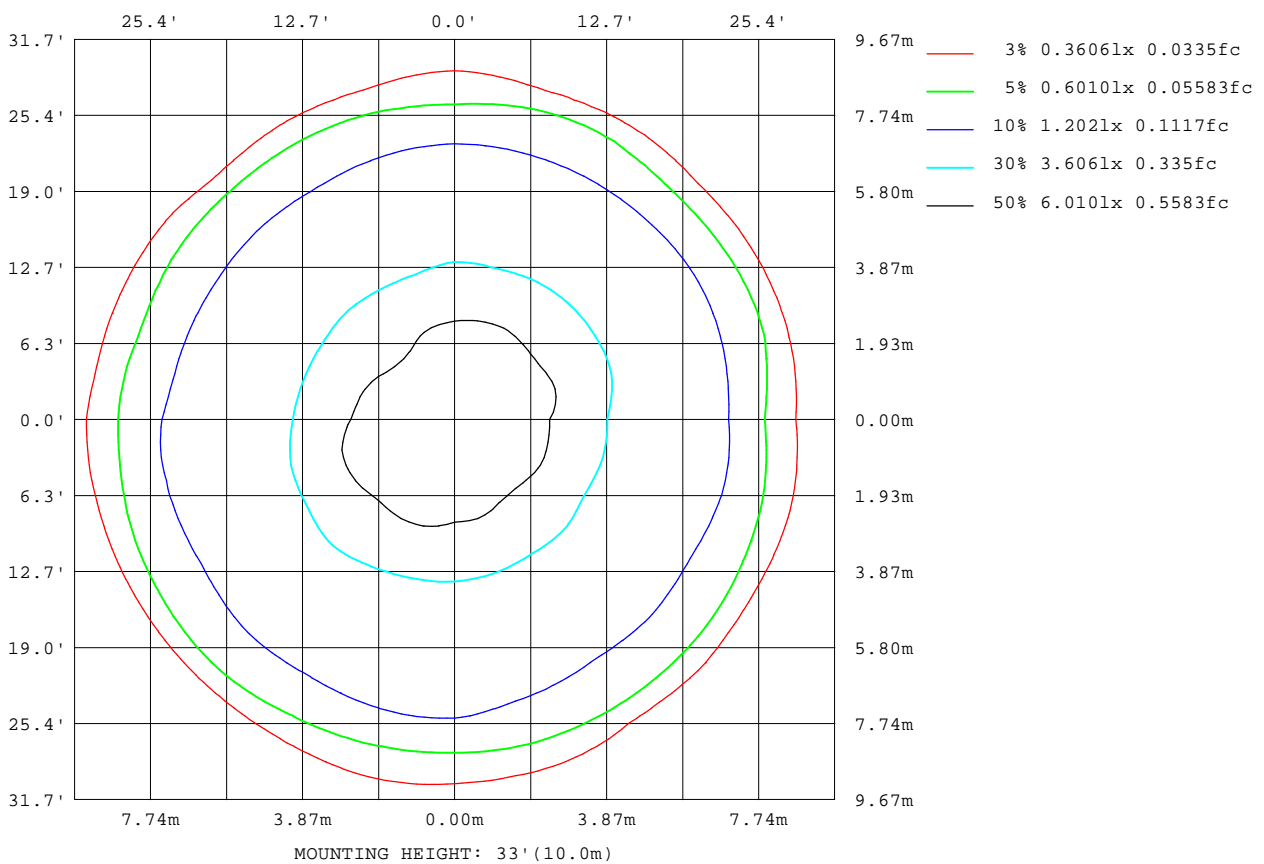
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

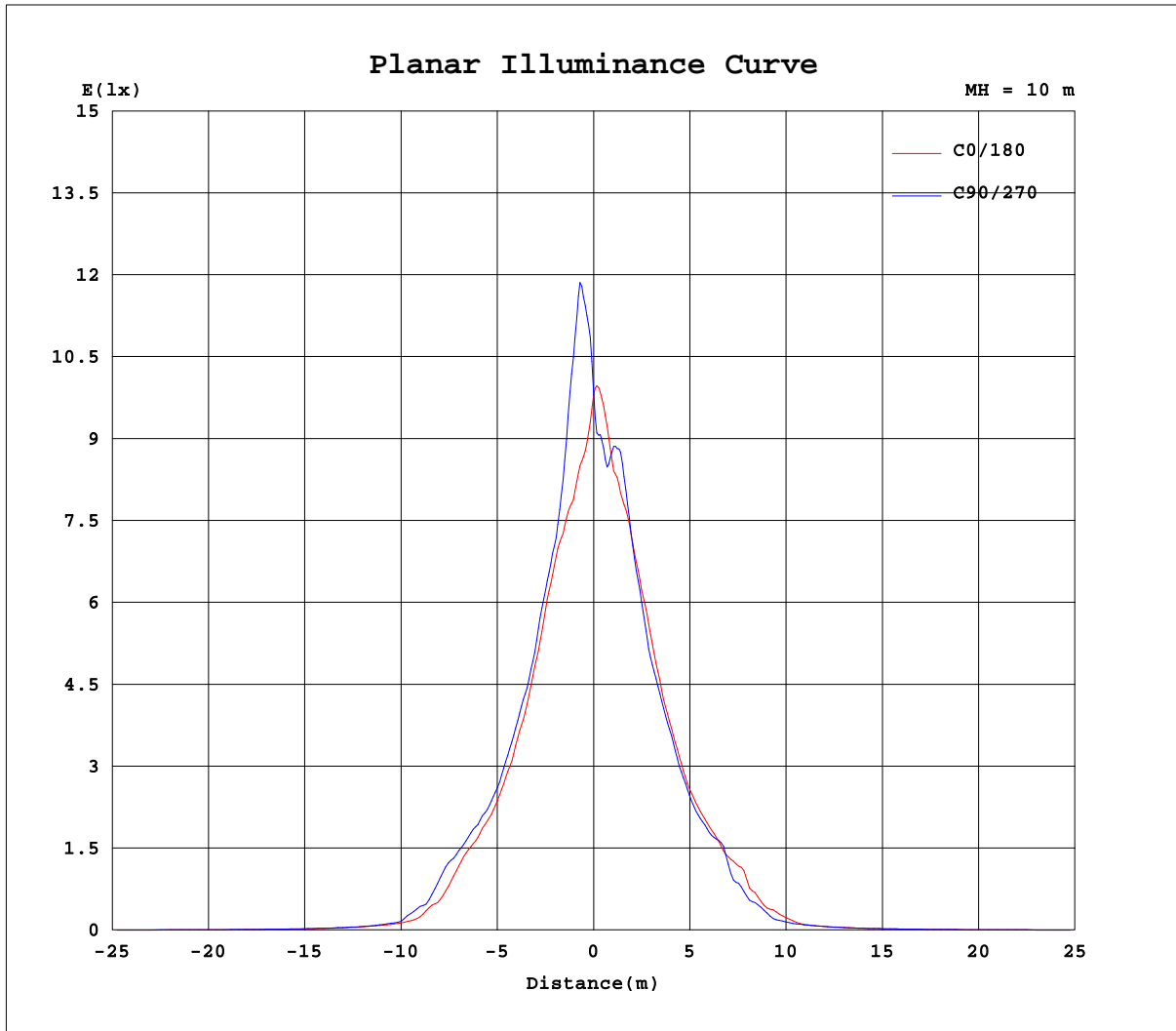
AvgL	cd/m2
L_0~180(65)av	2737
L_0~180(75)av	2001
L_0~180(85)av	2298
L_90~270(65)av	2912
L_90~270(75)av	2101
L_90~270(85)av	2389
L_45(65)av	2886
L_45(75)av	2098
L_45(85)av	2375

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981
5	832	846	860	875	893	909	923	928	931	934	934	939	951	984	1023	1064	1091	1115	1136
10	744	763	783	804	832	857	874	867	851	830	808	787	771	769	773	781	786	794	806
15	607	611	614	616	615	613	609	602	595	590	593	600	609	621	633	644	648	651	655
20	467	472	475	475	469	463	459	463	470	477	479	482	484	488	492	497	501	506	511
25	360	366	371	374	375	375	375	377	379	381	381	380	380	382	384	387	391	395	400
30	287	292	295	297	297	296	295	295	296	297	299	301	305	309	314	318	320	322	323
35	215	223	227	228	223	216	211	215	221	227	226	225	226	236	247	258	262	264	265
40	102	103	105	108	112	115	119	121	122	124	127	130	133	135	137	139	142	145	147
45	37.9	39.2	40.1	40.6	40.0	39.6	39.7	42.8	46.0	48.3	45.8	42.7	40.1	42.4	45.6	48.6	47.7	46.4	45.4
50	24.4	24.4	24.5	24.6	24.7	24.9	25.0	25.1	25.2	25.3	25.4	25.4	25.5	25.6	25.9	26.2	26.6	27.0	27.4
55	16.1	16.1	16.2	16.3	16.3	16.4	16.4	16.5	16.6	16.7	16.8	16.8	16.9	17.1	17.4	17.6	17.9	18.1	18.4
60	11.5	11.5	11.5	11.5	11.6	11.6	11.7	11.8	11.9	11.9	11.9	11.9	12.0	12.1	12.4	12.6	12.8	13.0	13.1
65	8.57	8.57	8.57	8.59	8.61	8.65	8.69	8.77	8.84	8.91	8.90	8.90	8.92	9.07	9.26	9.45	9.58	9.71	9.84
70	6.06	6.14	6.20	6.25	6.28	6.30	6.33	6.36	6.40	6.44	6.47	6.52	6.59	6.74	6.90	7.07	7.17	7.27	7.36
75	3.51	3.54	3.58	3.62	3.67	3.72	3.77	3.81	3.86	3.91	3.95	4.00	4.07	4.20	4.35	4.49	4.56	4.61	4.67
80	2.17	2.20	2.23	2.25	2.28	2.31	2.33	2.36	2.39	2.43	2.45	2.49	2.53	2.60	2.69	2.77	2.79	2.81	2.84
85	1.30	1.32	1.34	1.36	1.37	1.39	1.40	1.42	1.43	1.45	1.47	1.49	1.52	1.56	1.61	1.66	1.69	1.71	1.74
90	1.18	1.17	1.17	1.15	1.13	1.11	1.09	1.07	1.05	1.02	1.01	1.00	0.99	0.99	1.00	1.01	1.02	1.03	1.04
95	1.30	1.42	1.52	1.59	1.60	1.58	1.55	1.54	1.52	1.51	1.51	1.51	1.52	1.53	1.54	1.54	1.53	1.52	1.51
100	2.17	2.34	2.49	2.58	2.60	2.58	2.54	2.52	2.51	2.50	2.50	2.51	2.52	2.54	2.56	2.57	2.54	2.51	2.48
105	3.51	3.75	3.95	4.08	4.12	4.10	4.05	4.00	3.95	3.92	3.91	3.92	3.94	3.96	3.98	3.98	3.93	3.86	3.81
110	6.06	6.41	6.69	6.90	6.96	6.95	6.90	6.90	6.91	6.92	6.94	6.96	6.97	6.97	6.96	6.93	6.86	6.79	6.73
115	8.57	8.97	9.29	9.52	9.56	9.52	9.43	9.40	9.37	9.35	9.37	9.40	9.45	9.54	9.62	9.66	9.58	9.47	9.36
120	11.5	12.0	12.5	12.8	12.8	12.7	12.6	12.6	12.5	12.6	12.6	12.7	12.8	12.9	13.1	13.2	13.1	13.0	12.9
125	16.1	16.7	17.3	17.6	17.6	17.5	17.3	17.2	17.2	17.1	17.1	17.1	17.2	17.7	18.1	18.4	18.4	18.2	18.0
130	24.4	25.3	26.0	26.4	26.2	25.7	25.2	25.0	25.0	25.0	24.8	24.8	24.9	25.6	26.5	27.1	27.1	26.9	26.6
135	37.9	39.6	40.7	41.1	40.4	39.3	38.1	37.9	37.9	38.0	37.8	37.7	37.9	39.1	40.5	41.9	42.7	43.1	43.2
140	102	111	118	121	118	113	106	99.6	94.8	93.0	101	111	120	118	114	109	110	112	113
145	215	219	223	226	230	233	234	232	227	223	222	221	221	220	219	218	219	220	220
150	287	300	311	321	327	331	333	332	329	325	320	315	310	309	308	307	304	301	297
155	360	378	393	404	407	407	404	401	398	396	395	395	395	394	392	390	384	379	375
160	467	486	502	512	513	510	505	507	509	510	507	503	499	496	493	491	492	491	490
165	607	632	652	664	664	658	649	645	642	642	648	654	659	655	649	641	633	626	619
170	744	758	768	773	766	758	750	755	763	774	787	801	815	829	839	845	841	832	819
175	832	858	880	897	902	903	903	910	918	926	934	940	944	945	942	934	917	896	875
180	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981
5	1159	1179	1197	1210	1218	1218	1206	1185	1157	1122	1084	1044	1005	969	937	919	905	892	868
10	830	857	886	909	931	955	989	1020	1043	1048	1041	1022	989	947	901	861	826	796	769
15	670	686	701	708	712	712	706	700	699	717	738	755	758	752	738	712	684	660	647
20	515	521	527	537	546	554	557	558	557	554	551	549	555	560	561	544	525	508	500
25	403	407	411	419	428	436	444	449	452	449	444	438	436	434	429	417	404	392	385
30	327	330	335	339	342	346	347	348	348	347	344	342	342	342	339	331	322	314	307
35	267	269	270	274	277	279	277	275	272	271	271	272	274	274	273	264	254	245	242
40	147	147	148	151	155	160	168	175	180	177	172	166	159	153	149	151	153	153	146
45	48.5	52.0	55.0	53.9	52.1	50.6	52.7	55.3	57.7	56.9	55.6	54.6	55.9	57.9	60.3	63.5	65.6	65.6	59.6
50	27.6	27.8	28.0	28.5	29.0	29.5	29.8	30.0	30.1	30.4	30.7	30.9	31.0	30.8	30.4	29.4	28.3	27.4	27.2
55	18.6	18.8	19.1	19.4	19.7	19.9	20.1	20.3	20.4	20.5	20.4	20.4	20.4	20.4	20.1	19.3	18.5	17.9	17.6
60	13.3	13.6	13.8	14.1	14.3	14.5	14.6	14.7	14.7	14.7	14.7	14.6	14.6	14.5	14.2	13.7	13.1	12.7	12.5
65	10.0	10.2	10.4	10.6	10.7	10.9	11.0	11.0	11.0	11.1	11.1	11.0	11.0	10.9	10.8	10.3	9.85	9.47	9.34
70	7.51	7.66	7.82	7.95	8.06	8.15	8.20	8.22	8.22	8.21	8.19	8.14	8.11	8.04	7.89	7.57	7.25	6.98	6.89
75	4.77	4.89	5.00	5.08	5.16	5.22	5.25	5.28	5.28	5.27	5.25	5.22	5.19	5.15	5.07	4.90	4.72	4.57	4.48
80	2.91	3.00	3.08	3.12	3.14	3.16	3.17	3.18	3.18	3.20	3.21	3.23	3.24	3.24	3.21	3.10	2.98	2.88	2.82
85	1.78	1.83	1.87	1.90	1.92	1.93	1.94	1.95	1.96	1.97	1.99	2.00	2.02	2.02	2.01	1.95	1.89	1.83	1.80
90	1.05	1.06	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.16	1.19	1.21	1.23	1.24	1.24	1.20	1.16	1.12	1.11
95	1.52	1.53	1.53	1.52	1.51	1.50	1.51	1.52	1.54	1.57	1.61	1.65	1.68	1.72	1.75	1.77	1.80	1.83	1.89
100	2.49	2.51	2.53	2.50	2.47	2.44	2.44	2.45	2.47	2.51	2.55	2.60	2.64	2.69	2.73	2.77	2.82	2.88	2.98
105	3.83	3.85	3.87	3.84	3.81	3.78	3.78	3.80	3.84	3.90	3.99	4.08	4.16	4.25	4.34	4.40	4.48	4.57	4.72
110	6.70	6.68	6.65	6.58	6.50	6.43	6.38	6.35	6.34	6.36	6.40	6.46	6.56	6.68	6.79	6.83	6.89	6.98	7.25
115	9.32	9.28	9.23	9.12	9.01	8.90	8.84	8.79	8.76	8.75	8.77	8.82	8.94	9.07	9.21	9.26	9.34	9.47	9.85
120	12.8	12.7	12.6	12.4	12.2	12.0	11.9	11.8	11.8	11.8	11.9	11.9	12.1	12.2	12.3	12.4	12.5	12.7	13.1
125	17.9	17.7	17.6	17.2	16.9	16.6	16.5	16.5	16.5	16.5	16.5	16.6	16.8	17.1	17.4	17.5	17.6	17.9	18.5
130	26.4	26.1	25.9	25.4	25.0	24.7	24.7	24.8	24.9	24.9	25.0	25.1	25.7	26.3	26.8	27.0	27.2	27.4	28.3
135	42.3	41.3	40.6	41.2	41.9	42.4	41.2	40.0	39.4	41.4	43.8	46.1	45.5	45.2	46.1	52.6	59.6	65.6	65.6
140	110	107	104	107	110	113	112	110	110	112	115	118	120	123	128	137	146	153	153
145	216	211	207	206	206	207	208	209	211	213	215	219	224	231	237	239	242	245	254
150	293	289	285	285	286	288	290	292	294	295	295	296	296	296	298	302	307	314	322
155	378	381	383	378	371	364	358	354	352	354	357	361	365	369	374	379	385	392	404
160	483	475	468	464	461	460	461	463	466	467	469	472	478	484	490	495	500	508	525
165	616	612	609	603	596	590	581	574	571	578	588	600	609	618	628	637	647	660	684
170	802	783	762	739	717	699	689	684	682	683	687	693	700	711	725	745	769	796	826
175	860	845	831	813	797	785	783	784	788	790	792	796	800	808	819	842	868	892	905
180	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981
5	842	819	808	800	796	792	790	788	784	783	785	797	813	831	845	860	875	896	917
10	745	725	711	700	693	687	683	682	684	689	699	717	739	762	783	802	819	832	841
15	637	628	618	609	600	588	578	571	574	581	590	596	603	609	612	616	619	626	633
20	495	490	484	478	472	469	467	466	463	461	460	461	464	468	475	483	490	491	492
25	379	374	369	365	361	357	354	352	354	358	364	371	378	383	381	378	375	379	384
30	302	298	296	296	296	295	295	294	292	290	288	286	285	285	289	293	297	301	304
35	239	237	231	224	219	215	213	211	209	208	207	206	206	207	211	216	220	220	219
40	137	128	123	120	118	115	112	110	110	112	113	110	107	104	107	110	113	112	110
45	52.6	46.1	45.2	45.5	46.1	43.8	41.4	39.4	40.0	41.2	42.4	41.9	41.2	40.6	41.3	42.3	43.2	43.1	42.7
50	27.0	26.8	26.3	25.7	25.1	25.0	24.9	24.9	24.8	24.7	24.7	25.0	25.4	25.9	26.1	26.4	26.6	26.9	27.1
55	17.5	17.4	17.1	16.8	16.6	16.5	16.5	16.5	16.5	16.5	16.6	16.9	17.2	17.6	17.7	17.9	18.0	18.2	18.4
60	12.4	12.3	12.2	12.1	11.9	11.9	11.8	11.8	11.8	11.9	12.0	12.2	12.4	12.6	12.7	12.8	12.9	13.0	13.1
65	9.26	9.21	9.07	8.94	8.82	8.77	8.75	8.76	8.79	8.84	8.90	9.01	9.12	9.23	9.28	9.32	9.36	9.47	9.58
70	6.83	6.79	6.68	6.56	6.46	6.40	6.36	6.34	6.35	6.38	6.43	6.50	6.58	6.65	6.68	6.70	6.73	6.79	6.86
75	4.40	4.34	4.25	4.16	4.08	3.99	3.90	3.84	3.80	3.78	3.78	3.81	3.84	3.87	3.85	3.83	3.81	3.86	3.93
80	2.77	2.73	2.69	2.64	2.60	2.55	2.51	2.47	2.45	2.44	2.44	2.47	2.50	2.53	2.51	2.49	2.48	2.51	2.54
85	1.77	1.75	1.72	1.68	1.65	1.61	1.57	1.54	1.52	1.51	1.50	1.51	1.52	1.53	1.53	1.52	1.51	1.52	1.53
90	1.11	1.11	1.10	1.10	1.09	1.08	1.08	1.08	1.08	1.09	1.10	1.12	1.14	1.16	1.18	1.19	1.20	1.22	1.24
95	1.95	2.01	2.02	2.02	2.00	1.99	1.97	1.96	1.95	1.94	1.93	1.92	1.90	1.87	1.83	1.78	1.74	1.71	1.69
100	3.10	3.21	3.24	3.24	3.23	3.21	3.20	3.18	3.18	3.17	3.16	3.14	3.12	3.08	3.00	2.91	2.84	2.81	2.79
105	4.90	5.07	5.15	5.19	5.22	5.25	5.27	5.28	5.28	5.25	5.22	5.16	5.08	5.00	4.89	4.77	4.67	4.61	4.56
110	7.57	7.89	8.04	8.11	8.14	8.19	8.21	8.22	8.22	8.20	8.15	8.06	7.95	7.82	7.66	7.51	7.36	7.27	7.17
115	10.3	10.8	10.9	11.0	11.0	11.1	11.1	11.0	11.0	11.0	10.9	10.7	10.6	10.4	10.2	10.0	9.84	9.71	9.58
120	13.7	14.2	14.5	14.6	14.6	14.7	14.7	14.7	14.7	14.6	14.5	14.3	14.1	13.8	13.6	13.3	13.1	13.0	12.8
125	19.3	20.1	20.4	20.4	20.4	20.4	20.5	20.4	20.3	20.1	19.9	19.7	19.4	19.1	18.8	18.6	18.4	18.1	17.9
130	29.4	30.4	30.8	31.0	30.9	30.7	30.4	30.1	30.0	29.8	29.5	29.0	28.5	28.0	27.8	27.6	27.4	27.0	26.6
135	63.5	60.3	57.9	55.9	54.6	55.6	56.9	57.7	55.3	52.7	50.6	52.1	53.9	55.0	52.0	48.5	45.4	46.4	47.7
140	151	149	153	159	166	172	177	180	175	168	160	155	151	148	147	147	147	145	142
145	264	273	274	274	272	271	271	272	275	277	279	277	274	270	269	267	265	264	262
150	331	339	342	342	342	344	347	348	348	347	346	342	339	335	330	327	323	322	320
155	417	429	434	436	438	444	449	452	449	444	436	428	419	411	407	403	400	395	391
160	544	561	560	555	549	551	554	557	558	557	554	546	537	527	521	515	511	506	501
165	712	738	752	758	755	738	717	699	700	706	712	712	708	701	686	670	655	651	648
170	861	901	947	989	1022	1041	1048	1043	1020	989	955	931	909	886	857	830	806	794	786
175	919	937	969	1005	1044	1084	1122	1157	1185	1206	1218	1218	1210	1197	1179	1159	1136	1115	1091
180	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.92V I:0.2110A P:24.801W PF:0.9800 Freq:50.00Hz Lamp Flux:664.219x2 lm		
NAME: SES-WL84-2P	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981				
5	934	942	945	944	940	934	926	918	910	903	903	902	897	880	858				
10	845	839	829	815	801	787	774	763	755	750	758	766	773	768	758				
15	641	649	655	659	654	648	642	642	645	649	658	664	664	652	632				
20	491	493	496	499	503	507	510	509	507	505	510	513	512	502	486				
25	390	392	394	395	395	395	396	398	401	404	407	407	404	393	378				
30	307	308	309	310	315	320	325	329	332	333	331	327	321	311	300				
35	218	219	220	221	221	222	223	227	232	234	233	230	226	223	219				
40	109	114	118	120	111	101	93.0	94.8	99.6	106	113	118	121	118	111				
45	41.9	40.5	39.1	37.9	37.7	37.8	38.0	37.9	37.9	38.1	39.3	40.4	41.1	40.7	39.6				
50	27.1	26.5	25.6	24.9	24.8	24.8	25.0	25.0	25.0	25.2	25.7	26.2	26.4	26.0	25.3				
55	18.4	18.1	17.7	17.2	17.1	17.1	17.1	17.2	17.2	17.3	17.5	17.6	17.6	17.3	16.7				
60	13.2	13.1	12.9	12.8	12.7	12.6	12.6	12.5	12.6	12.6	12.7	12.8	12.8	12.5	12.0				
65	9.66	9.62	9.54	9.45	9.40	9.37	9.35	9.37	9.40	9.43	9.52	9.56	9.52	9.29	8.97				
70	6.93	6.96	6.97	6.97	6.96	6.94	6.92	6.91	6.90	6.90	6.95	6.96	6.90	6.69	6.41				
75	3.98	3.98	3.96	3.94	3.92	3.91	3.92	3.95	4.00	4.05	4.10	4.12	4.08	3.95	3.75				
80	2.57	2.56	2.54	2.52	2.51	2.50	2.50	2.51	2.52	2.54	2.58	2.60	2.58	2.49	2.34				
85	1.54	1.54	1.53	1.52	1.51	1.51	1.51	1.52	1.54	1.55	1.58	1.60	1.59	1.52	1.42				
90	1.26	1.27	1.27	1.27	1.28	1.28	1.29	1.30	1.32	1.34	1.35	1.36	1.35	1.31	1.25				
95	1.66	1.61	1.56	1.52	1.49	1.47	1.45	1.43	1.42	1.40	1.39	1.37	1.36	1.34	1.32				
100	2.77	2.69	2.60	2.53	2.49	2.45	2.43	2.39	2.36	2.33	2.31	2.28	2.25	2.23	2.20				
105	4.49	4.35	4.20	4.07	4.00	3.95	3.91	3.86	3.81	3.77	3.72	3.67	3.62	3.58	3.54				
110	7.07	6.90	6.74	6.59	6.52	6.47	6.44	6.40	6.36	6.33	6.30	6.28	6.25	6.20	6.14				
115	9.45	9.26	9.07	8.92	8.90	8.90	8.91	8.84	8.77	8.69	8.65	8.61	8.59	8.57	8.57				
120	12.6	12.4	12.1	12.0	11.9	11.9	11.9	11.9	11.8	11.7	11.6	11.6	11.5	11.5	11.5				
125	17.6	17.4	17.1	16.9	16.8	16.8	16.7	16.6	16.5	16.4	16.4	16.3	16.3	16.2	16.1				
130	26.2	25.9	25.6	25.5	25.4	25.4	25.3	25.2	25.1	25.0	24.9	24.7	24.6	24.5	24.4				
135	48.6	45.6	42.4	40.1	42.7	45.8	48.3	46.0	42.8	39.7	39.6	40.0	40.6	40.1	39.2				
140	139	137	135	133	130	127	124	122	121	119	115	112	108	105	103				
145	258	247	236	226	225	226	227	221	215	211	216	223	228	227	223				
150	318	314	309	305	301	299	297	296	295	295	296	297	297	295	292				
155	387	384	382	380	380	381	381	379	377	375	375	375	374	371	366				
160	497	492	488	484	482	479	477	470	463	459	463	469	475	475	472				
165	644	633	621	609	600	593	590	595	602	609	613	615	616	614	611				
170	781	773	769	771	787	808	830	851	867	874	857	832	804	783	763				
175	1064	1023	984	951	939	934	934	931	928	923	909	893	875	860	846				
180	981	981	981	981	981	981	981	981	981	981	981	981	981	981	981				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks: