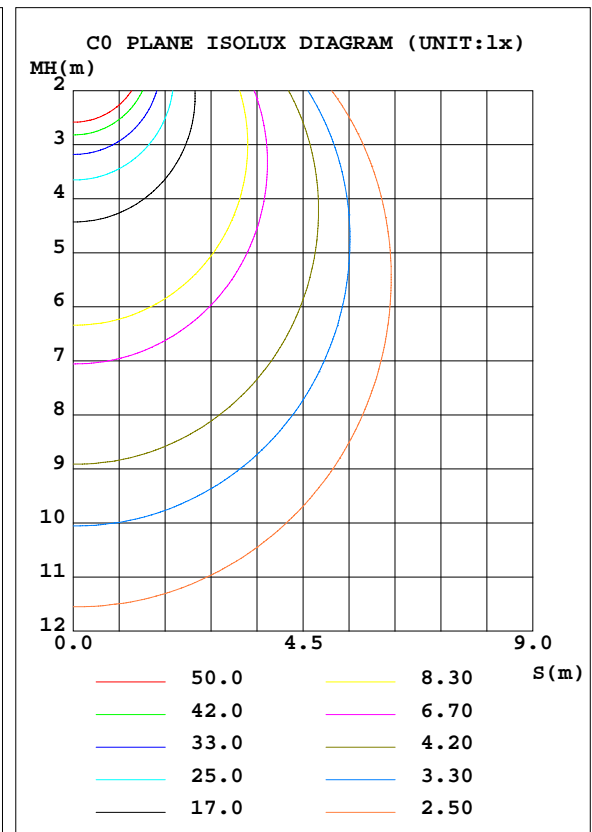
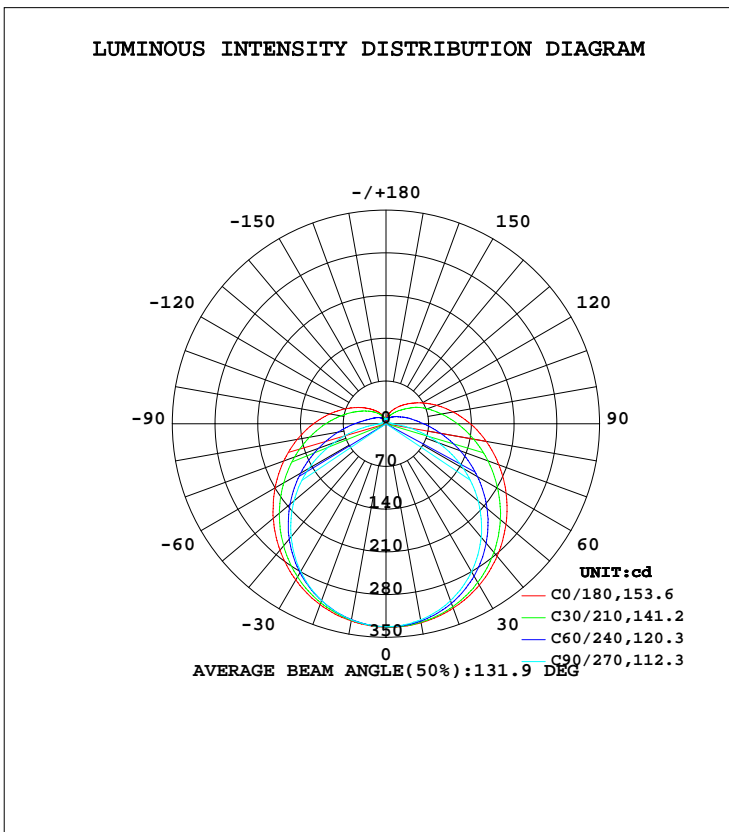


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:0.8336V I:0A P:0W PF:0.0000 Freq:50.03Hz Lamp Flux:1440.06x1 lm		
NAME: TS-ST4-4FT	TYPE:	WEIGHT:
SPEC.: 1200*85	DIM.:	SERIAL No.: 20200509018
MFR.:	SUR.: 1200*85	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	TS-ST4-4FT	I _{max} (cd)	333.6	S/MH(C0/180)	1.32
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1440.1	η UP, DN(C0-180)	8.4,42.0
NOMINAL FLUX(lm)	1440.06	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	8.0,41.5
LAMPS INSIDE	1	η up(%)	16.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	83.5	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:09 May 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

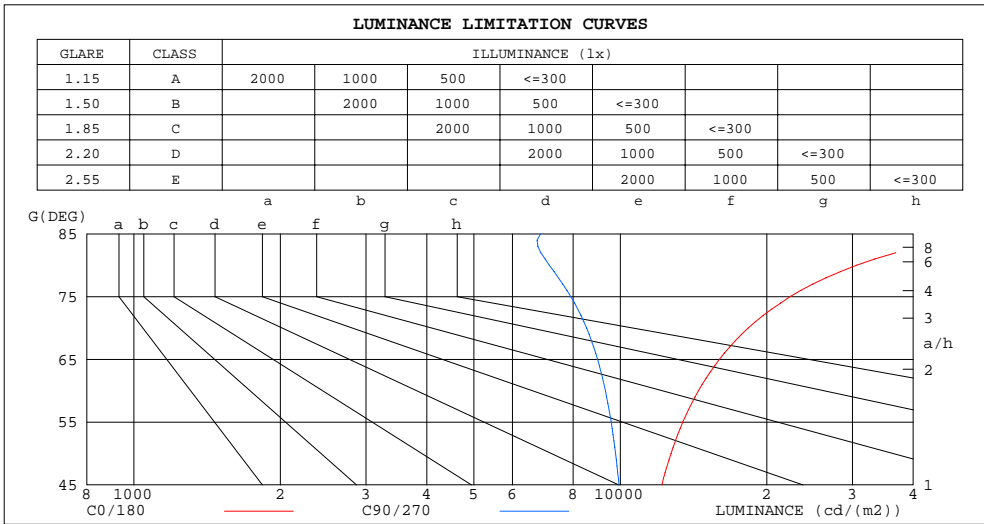
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	331.2	329.3	326.3	325.6	327.9	326.2	326.1	328.8	0- 10	31.51	31.51	2.19,2.19
20	321.6	316.3	308.6	309.6	315.5	310.3	308.3	316.3	10- 20	90.84	122.4	8.5,8.5
30	305.6	294.5	280.5	285.2	295.7	285.8	279.6	295.3	20- 30	139.7	262.0	18.2,18.2
40	283.3	265.2	242.8	253.7	270.1	253.7	241.7	266.9	30- 40	172.7	434.7	30.2,30.2
50	256.7	230.4	197.3	217.3	241.2	216.7	196.5	232.9	40- 50	187.2	621.9	43.2,43.2
60	227.3	192.1	146.3	179.0	209.7	177.3	145.4	195.7	50- 60	183.1	805.0	55.9,55.9
70	196.8	153.8	91.55	141.0	178.1	138.5	90.34	158.5	60- 70	163.4	968.3	67.2,67.2
80	166.8	118.4	38.94	106.7	147.5	103.4	37.75	123.9	70- 80	133.3	1102	76.5,76.5
90	138.2	89.52	9.227	78.52	118.9	75.14	9.167	95.09	80- 90	101.0	1203	83.5,83.5
100	111.8	68.10	6.239	57.54	93.44	54.71	7.004	73.03	90-100	75.90	1278	88.8,88.8
110	88.49	51.89	5.143	42.72	71.55	40.74	6.291	55.38	100-110	56.01	1335	92.7,92.7
120	68.52	38.46	5.501	32.31	53.49	30.94	6.590	40.23	110-120	39.98	1374	95.4,95.4
130	52.03	27.41	5.914	24.65	39.39	23.71	6.857	29.48	120-130	27.38	1402	97.3,97.3
140	38.95	19.95	6.272	18.66	28.70	18.02	7.077	21.20	130-140	17.73	1420	98.6,98.6
150	28.55	14.80	7.005	13.62	20.13	13.38	7.498	15.79	140-150	10.85	1430	99.3,99.3
160	19.87	11.29	7.781	9.678	13.30	9.630	7.907	11.88	150-160	6.034	1436	99.8,99.8
170	12.71	9.267	8.348	7.298	7.670	7.255	8.300	9.518	160-170	2.810	1439	99.9,99.9
180	5.576	8.157	8.741	8.218	5.568	8.165	8.745	8.216	170-180	0.7691	1440	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:09 May 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:0.8336V I:0A P:0W PF:0.0000 Freq:50.03Hz Lamp Flux:1440.06x1 lm		
NAME: TS-ST4-4FT	TYPE:	WEIGHT:
SPEC.: 1200*85	DIM.:	SERIAL No.: 20200509018
MFR.:	SUR.: 1200*85	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	55651	6850
80	30594	7142
75	22353	7910
70	18325	8525
65	15986	8981
60	14479	9320
55	13440	9577
50	12717	9774
45	12178	9938

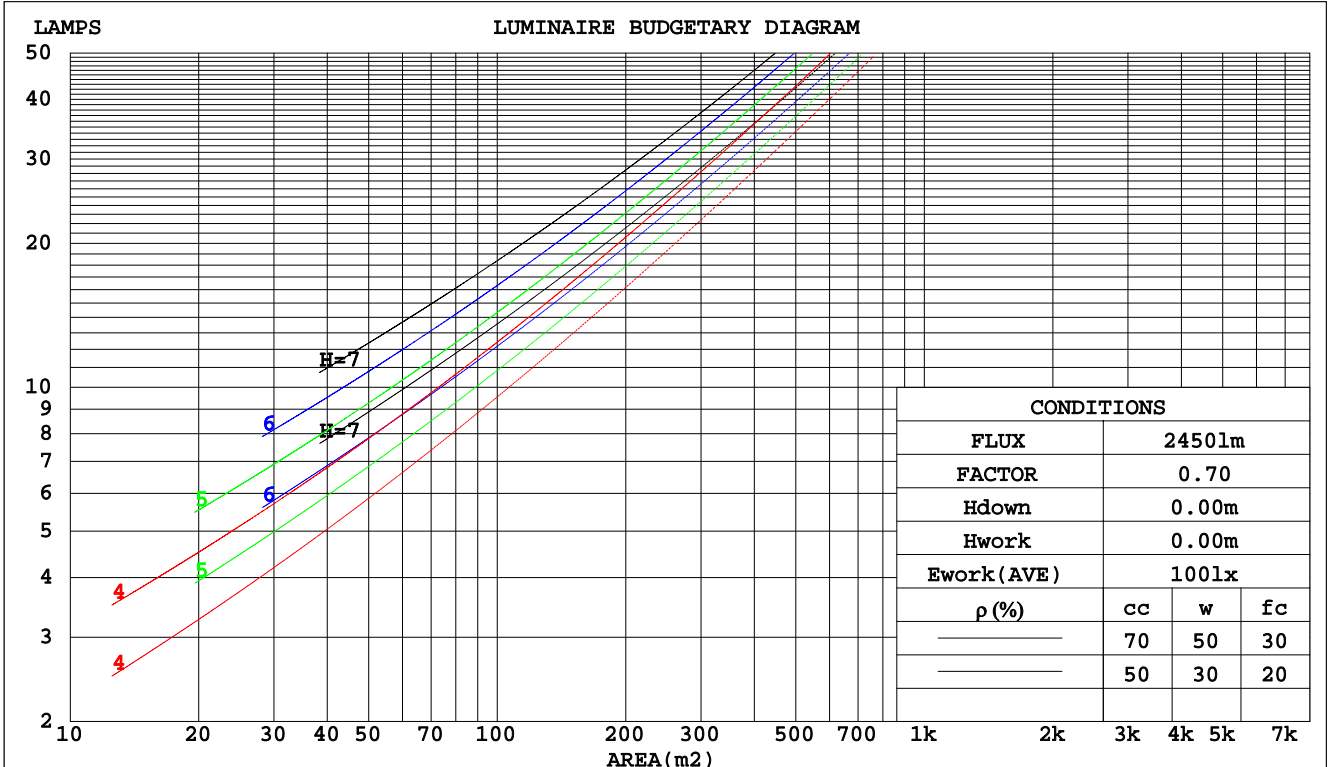
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 09 May 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 7.550m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:0.8336V I:0A P:0W PF:0.0000 Freq:50.03Hz Lamp Flux:1440.06x1 lm		
NAME: TS-ST4-4FT	TYPE:	WEIGHT:
SPEC.: 1200*85	DIM.:	SERIAL No.: 20200509018
MFR.:	SUR.: 1200*85	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.11	1.11	1.11	1.02	1.02	1.02	.94	.94	.94	.87	.87	.87	.84
1.0	.96	.91	.86	.92	.88	.83	.85	.81	.78	.78	.75	.72	.72	.70	.67	.64
2.0	.83	.75	.68	.79	.72	.66	.73	.67	.62	.67	.62	.58	.62	.58	.54	.51
3.0	.72	.63	.56	.69	.61	.54	.63	.57	.51	.58	.53	.48	.54	.49	.45	.42
4.0	.63	.54	.46	.61	.52	.45	.56	.49	.43	.52	.45	.40	.48	.42	.38	.35
5.0	.56	.46	.40	.54	.45	.39	.50	.42	.37	.46	.40	.35	.43	.37	.33	.30
6.0	.50	.41	.34	.48	.40	.33	.45	.37	.32	.41	.35	.30	.38	.33	.29	.26
7.0	.45	.36	.30	.44	.35	.29	.41	.33	.28	.38	.31	.27	.35	.29	.25	.23
8.0	.41	.32	.26	.40	.32	.26	.37	.30	.25	.34	.28	.24	.32	.27	.22	.20
9.0	.38	.29	.24	.36	.28	.23	.34	.27	.22	.32	.26	.21	.30	.24	.20	.18
10.0	.35	.27	.21	.33	.26	.21	.31	.25	.20	.29	.23	.19	.27	.22	.18	.16



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:09 May 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:0.8336V I:0A P:0W PF:0.0000 Freq:50.03Hz Lamp Flux:1440.06x1 lm		
NAME: TS-ST4-4FT	TYPE:	WEIGHT:
SPEC.: 1200*85	DIM.:	SERIAL No.: 20200509018
MFR.:	SUR.: 1200*85	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 Coefficients(WEC)									
0.0																
1.0	.378	.215	.068	.366	.209	.066	.343	.197	.063	.322	.186	.060	.303	.175	.057	
2.0	.329	.181	.055	.318	.175	.054	.298	.166	.051	.279	.156	.049	.261	.148	.047	
3.0	.294	.156	.047	.284	.152	.046	.265	.144	.044	.248	.136	.042	.232	.128	.040	
4.0	.265	.138	.040	.256	.134	.040	.239	.127	.038	.223	.120	.036	.208	.113	.035	
5.0	.241	.123	.036	.233	.120	.035	.217	.113	.033	.203	.107	.032	.190	.101	.030	
6.0	.221	.111	.032	.214	.108	.031	.200	.102	.030	.187	.097	.028	.174	.092	.027	
7.0	.204	.101	.029	.197	.098	.028	.184	.093	.027	.173	.088	.026	.161	.084	.025	
8.0	.189	.093	.026	.183	.090	.025	.171	.086	.024	.160	.081	.023	.150	.077	.022	
9.0	.177	.085	.024	.171	.083	.023	.160	.079	.022	.150	.075	.022	.140	.071	.021	
10.0	.165	.079	.022	.160	.077	.022	.150	.074	.021	.141	.070	.020	.132	.066	.019	

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	.316	.316	.316	.270	.270	.270	.184	.184	.184	.106	.106	.106	.034	.034	.034	
1.0	.312	.282	.256	.267	.242	.220	.182	.167	.152	.105	.096	.088	.034	.031	.029	
2.0	.305	.259	.221	.261	.223	.191	.179	.154	.133	.103	.090	.078	.033	.029	.025	
3.0	.297	.243	.199	.255	.209	.173	.175	.145	.121	.101	.085	.071	.032	.028	.023	
4.0	.289	.230	.185	.248	.199	.161	.171	.139	.113	.099	.081	.067	.032	.026	.022	
5.0	.282	.220	.175	.242	.191	.152	.167	.133	.107	.097	.078	.064	.031	.026	.021	
6.0	.274	.212	.168	.236	.184	.146	.163	.129	.103	.094	.076	.061	.030	.025	.020	
7.0	.267	.206	.162	.230	.178	.142	.159	.125	.100	.092	.074	.060	.030	.024	.020	
8.0	.261	.200	.158	.224	.174	.138	.155	.122	.098	.090	.072	.058	.029	.024	.019	
9.0	.254	.195	.155	.219	.169	.135	.152	.119	.096	.088	.070	.057	.029	.023	.019	
10.0	.249	.191	.153	.214	.166	.133	.149	.117	.095	.087	.069	.057	.028	.023	.019	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:09 May 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:0.8336V I:0A P:0W PF:0.0000 Freq:50.03Hz Lamp Flux:1440.06x1 lm										
NAME: TS-ST4-4FT					TYPE:			WEIGHT:		
SPEC.: 1200*85					DIM.:			SERIAL No.: 20200509018		
MFR.:					SUR.: 1200*85			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	20.4	21.8	21.0	22.4	23.1	18.2	19.6	18.8	20.2	20.9
3H	23.4	24.7	24.0	25.3	26.0	20.1	21.4	20.7	22.0	22.7
4H	24.9	26.1	25.5	26.8	27.5	20.8	22.0	21.4	22.6	23.4
6H	26.6	27.7	27.2	28.4	29.1	21.3	22.4	21.9	23.1	23.8
8H	27.5	28.6	28.1	29.2	30.0	21.5	22.6	22.1	23.2	24.0
12H	28.5	29.6	29.2	30.2	31.0	21.6	22.6	22.3	23.3	24.1
4H 2H	21.1	22.3	21.7	22.9	23.6	19.3	20.5	19.9	21.1	21.9
3H	24.3	25.4	24.9	26.0	26.8	21.5	22.5	22.1	23.2	23.9
4H	26.1	27.0	26.7	27.7	28.5	22.4	23.3	23.0	24.0	24.8
6H	28.0	28.8	28.6	29.5	30.3	23.1	23.9	23.8	24.6	25.4
8H	29.0	29.8	29.7	30.5	31.3	23.3	24.1	24.0	24.8	25.6
12H	30.2	30.9	30.9	31.6	32.5	23.5	24.3	24.2	25.0	25.8
8H 4H	26.5	27.3	27.1	28.0	28.8	23.4	24.2	24.1	24.9	25.7
6H	28.7	29.3	29.4	30.1	30.9	24.5	25.2	25.2	25.9	26.7
8H	29.9	30.5	30.6	31.3	32.1	24.9	25.5	25.6	26.3	27.1
12H	31.4	31.9	32.1	32.7	33.5	25.3	25.9	26.0	26.6	27.5
12H 4H	26.5	27.2	27.2	28.0	28.8	23.7	24.4	24.4	25.2	26.0
6H	28.8	29.4	29.5	30.1	31.0	25.0	25.6	25.7	26.3	27.2
8H	30.2	30.7	30.9	31.5	32.3	25.6	26.2	26.4	26.9	27.8
CIE190: 2010										

CIE190: 2010
Area: 0.0314 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:09 May 2020

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:7.550m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:0.8336V I:0A P:0W PF:0.0000 Freq:50.03Hz Lamp Flux:1440.06x1 lm		
NAME: TS-ST4-4FT	TYPE:	WEIGHT:
SPEC.: 1200*85	DIM.:	SERIAL No.: 20200509018
MFR.:	SUR.: 1200*85	Shielding Angle:

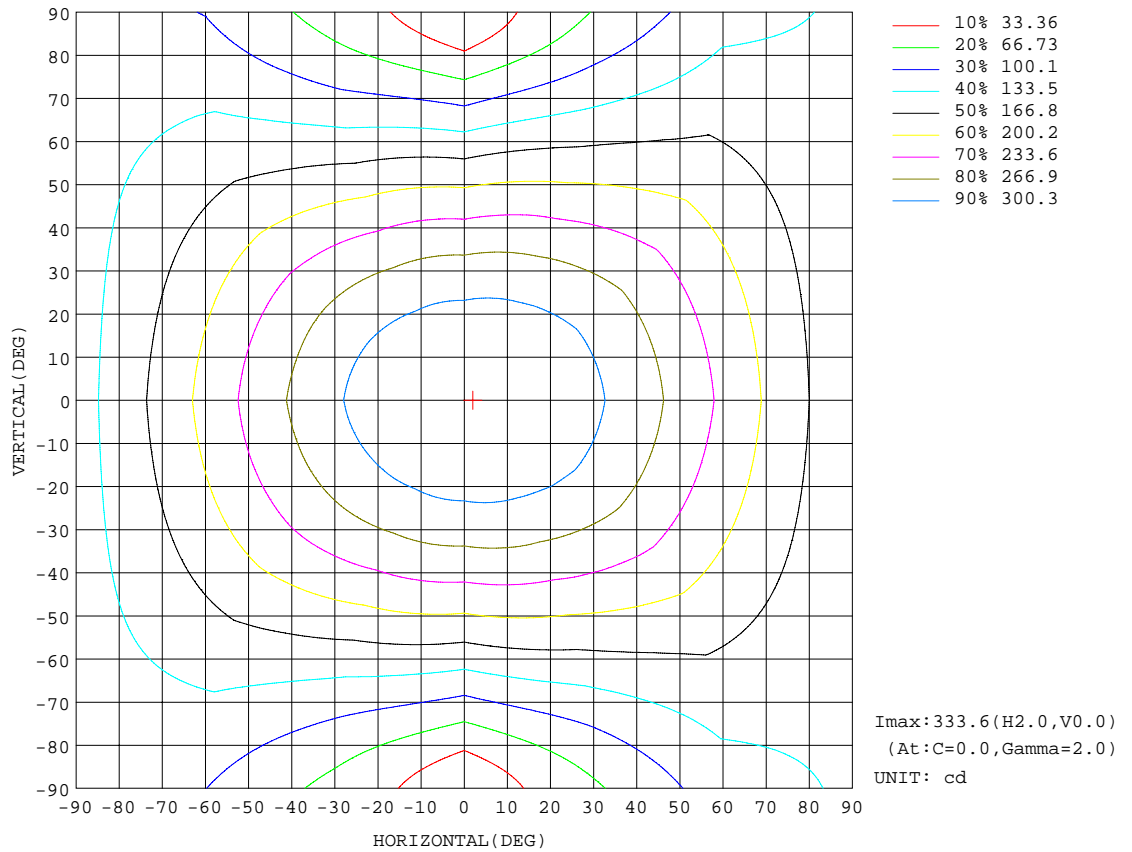
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	36	29	48	36	29	46	35	28	22
0.80	58	45	37	56	44	37	54	43	36	28
1.00	66	53	45	64	52	44	60	52	43	34
1.25	73	60	52	70	59	51	66	56	49	40
1.50	78	66	57	75	64	56	70	61	54	44
2.00	85	74	66	82	72	65	76	68	62	51
2.50	89	79	72	86	77	70	80	73	67	54
3.00	93	84	77	90	81	75	83	76	71	58
4.00	98	90	84	94	87	81	87	81	77	63
5.00	101	94	88	97	91	85	89	85	80	66
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:DAMIN
 Test Date:09 May 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:0.8336V I:0A P:0W PF:0.0000 Freq:50.03Hz Lamp Flux:1440.06x1 lm		
NAME: TS-ST4-4FT	TYPE:	WEIGHT:
SPEC.: 1200*85	DIM.:	SERIAL No.: 20200509018
MFR.:	SUR.: 1200*85	Shielding Angle:

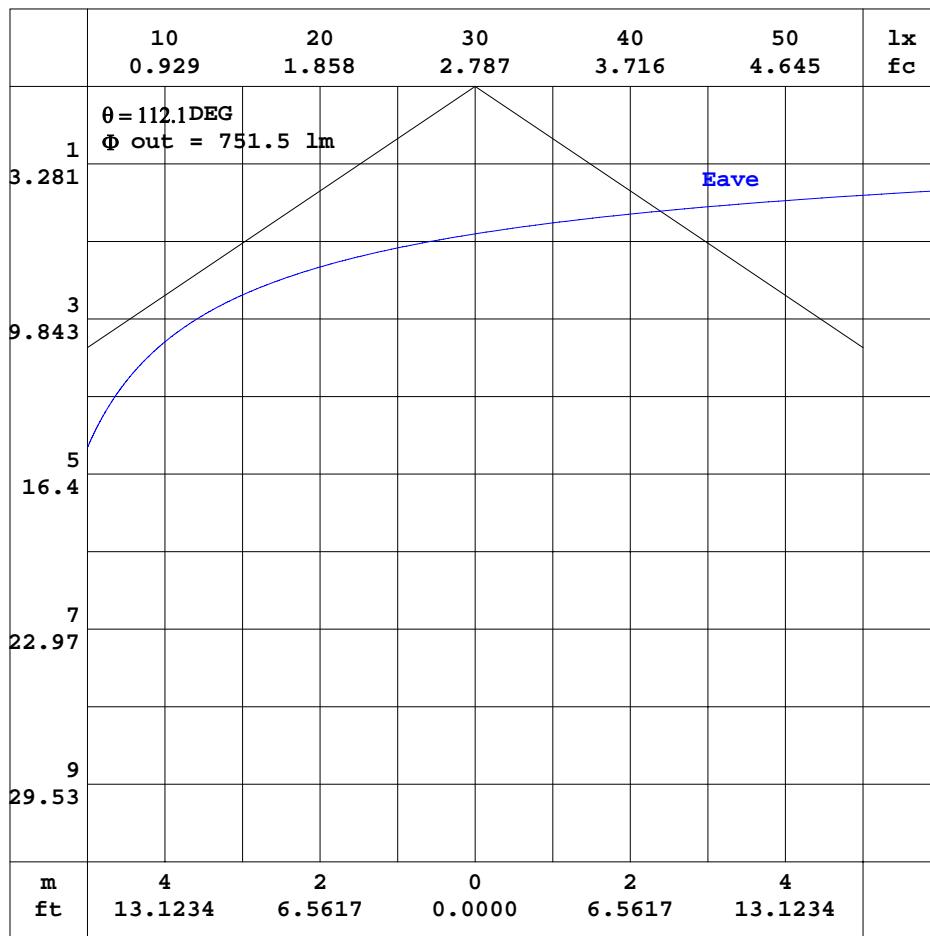


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 09 May 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 7.550m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:0.8336V I:0A P:0W PF:0.0000 Freq:50.03Hz Lamp Flux:1440.06x1 lm		
NAME: TS-ST4-4FT	TYPE:	WEIGHT:
SPEC.: 1200*85	DIM.:	SERIAL No.: 20200509018
MFR.:	SUR.: 1200*85	Shielding Angle:



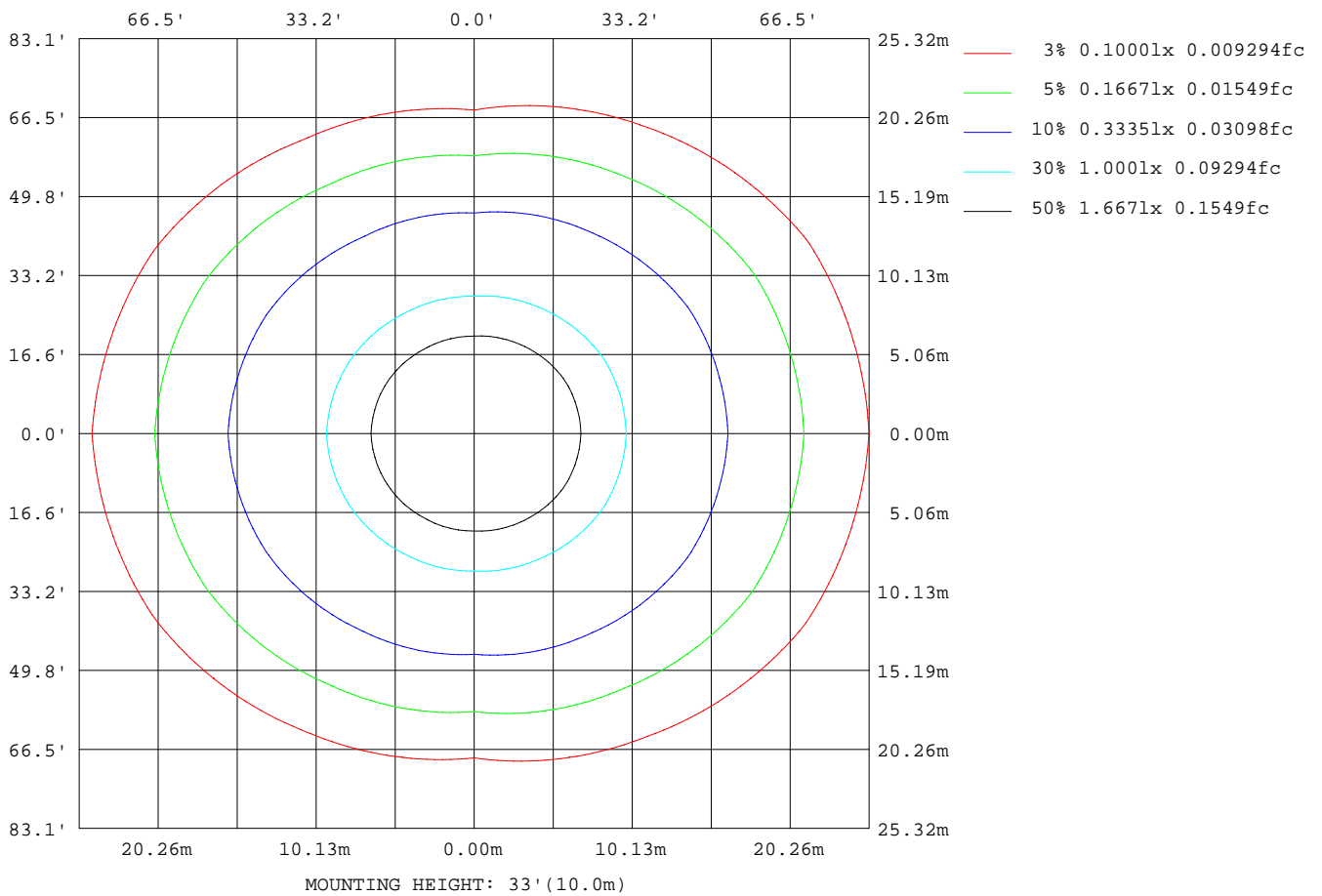
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 09 May 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 7.550m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:0.8336V I:0A P:0W PF:0.0000 Freq:50.03Hz Lamp Flux:1440.06x1 lm		
NAME: TS-ST4-4FT	TYPE:	WEIGHT:
SPEC.: 1200*85	DIM.:	SERIAL No.: 20200509018
MFR.:	SUR.: 1200*85	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:09 May 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:0.8336V I:0A P:0W PF:0.0000 Freq:50.03Hz Lamp Flux:1440.06x1 lm		
NAME: TS-ST4-4FT	TYPE:	WEIGHT:
SPEC.: 1200*85	DIM.:	SERIAL No.: 20200509018
MFR.:	SUR.: 1200*85	Shielding Angle:

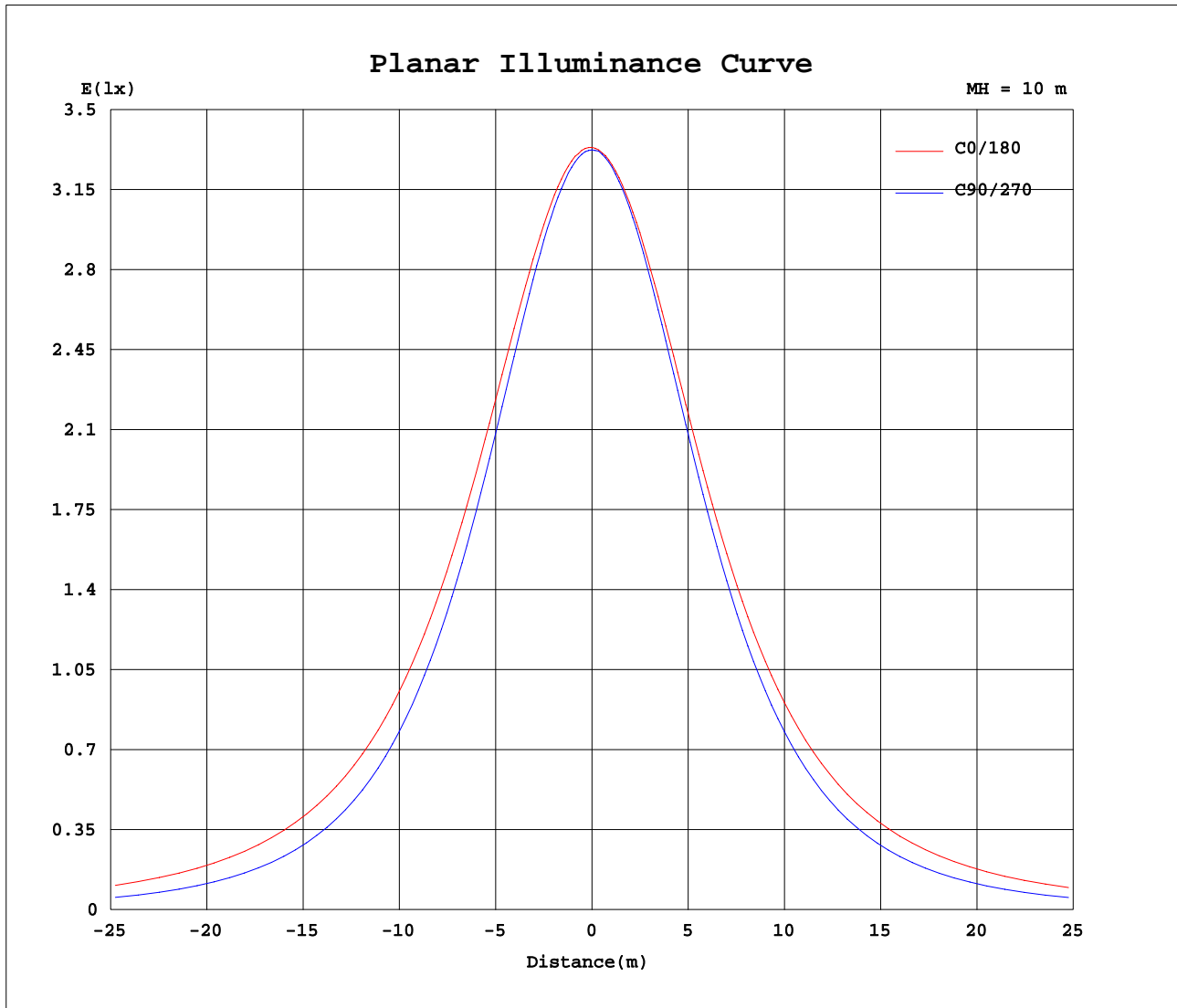
AvgL	cd/m2
L_0~180(65)av	15301
L_0~180(75)av	21184
L_0~180(85)av	52100
L_90~270(65)av	8938
L_90~270(75)av	7831
L_90~270(85)av	6689
L_45(65)av	12625
L_45(75)av	16166
L_45(85)av	36574

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:09 May 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:7.550m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 09 May 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 7.550m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:0.8336V I:0A P:0W PF:0.0000 Freq:50.03Hz Lamp Flux:1440.06x1 lm		
NAME: TS-ST4-4FT	TYPE:	WEIGHT:
SPEC.: 1200*85	DIM.:	SERIAL No.: 20200509018
MFR.:	SUR.: 1200*85	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	333	333	333	332	332	332	333	333	333	332	332	332							
5	333	333	332	331	330	330	332	331	331	331	331	333							
10	331	330	328	326	325	326	328	327	326	326	328	330							
15	327	326	322	319	318	319	323	320	319	319	322	326							
20	322	319	313	309	308	311	315	312	308	308	313	319							
25	314	311	302	296	296	301	306	302	296	295	302	311							
30	306	300	289	281	282	289	296	290	282	280	289	301							
35	295	289	273	263	265	275	283	276	265	262	274	290							
40	283	275	255	243	247	260	270	261	247	242	257	277							
45	270	260	236	221	228	244	256	245	226	220	239	263							
50	257	244	216	197	207	228	241	228	205	197	218	247							
55	242	228	195	172	186	211	225	211	183	172	198	231							
60	227	211	173	146	164	194	210	193	161	145	177	215							
65	212	194	151	119	143	177	194	176	139	118	155	199							
70	197	178	130	91.6	122	160	178	159	118	90.3	135	182							
75	182	162	109	64.3	102	144	163	143	97.7	63.0	115	166							
80	167	146	90.8	38.9	84.7	129	147	127	79.6	37.7	97.1	151							
85	152	131	74.8	18.7	69.4	114	133	112	64.1	17.9	81.4	136							
90	138	117	61.7	9.23	56.5	101	119	98.8	51.5	9.17	68.2	122							
95	125	104	51.4	8.49	46.3	88.0	106	86.3	41.6	8.72	57.5	109							
100	112	92.7	43.5	6.24	38.3	76.8	93.4	75.2	34.3	7.00	49.0	97.1							
105	99.8	81.9	37.2	4.98	32.3	66.6	82.0	65.2	28.9	6.28	41.5	86.1							
110	88.5	72.2	31.6	5.14	27.8	57.6	71.6	56.4	25.1	6.29	34.9	75.9							
115	78.1	63.2	26.6	5.30	24.4	49.8	62.0	48.6	22.2	6.45	30.0	64.2							
120	68.5	53.7	23.2	5.50	21.7	42.9	53.5	42.0	19.8	6.59	25.7	54.8							
125	59.8	43.9	20.6	5.73	19.4	37.0	46.0	36.4	17.8	6.74	22.5	48.5							
130	52.0	36.7	18.1	5.91	17.3	32.0	39.4	31.5	15.9	6.86	20.0	38.9							
135	45.1	30.9	16.0	6.06	15.4	27.7	33.7	27.3	14.2	6.96	17.7	31.7							
140	39.0	25.8	14.1	6.27	13.5	23.8	28.7	23.5	12.5	7.08	15.6	26.8							
145	33.5	21.4	12.7	6.61	11.8	20.3	24.3	20.1	11.1	7.28	13.8	22.5							
150	28.6	17.6	12.0	7.00	10.4	16.9	20.1	16.9	9.88	7.50	12.9	18.7							
155	24.0	14.5	11.2	7.43	9.13	13.9	16.4	14.0	8.77	7.67	12.0	15.4							
160	19.9	12.0	10.6	7.78	7.95	11.4	13.3	11.5	7.73	7.91	11.1	12.7							
165	16.2	10.5	9.88	8.07	6.97	9.22	10.5	9.39	6.82	8.10	10.3	10.8							
170	12.7	9.27	9.26	8.35	7.38	7.22	7.67	7.37	7.14	8.30	9.50	9.54							
175	6.47	8.30	8.80	8.58	7.70	7.36	5.44	7.22	7.62	8.53	8.84	8.38							
180	5.58	7.79	8.52	8.74	8.60	7.83	5.57	7.84	8.49	8.74	8.60	7.83							

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