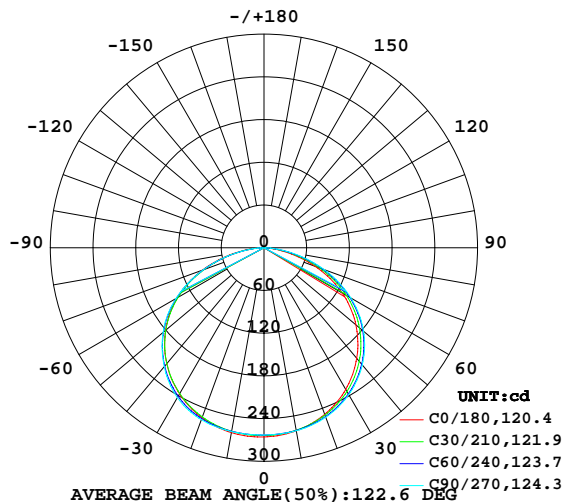


LUMINAIRE PHOTOMETRIC TEST REPORT

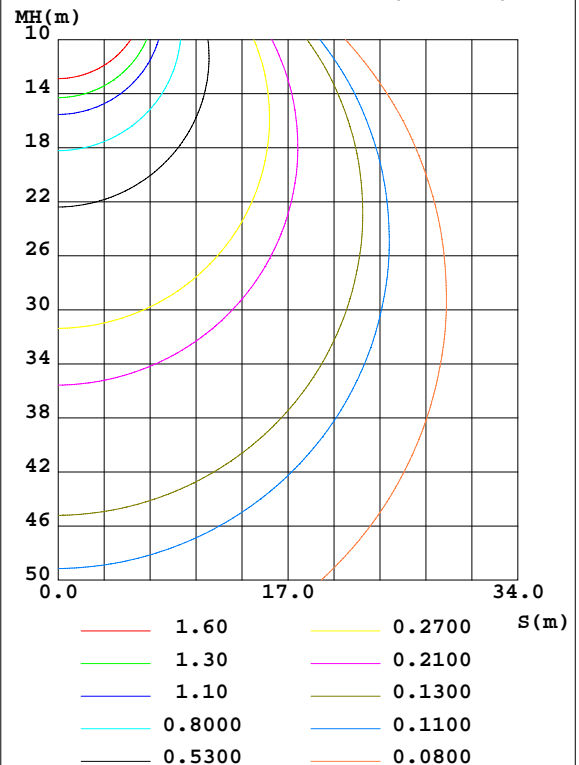
Test:U:23.99V I:0.7988A P:19.16W PF:1.000 Lamp Flux:790.83x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:RGBW 84LED	DIM.: 1000*10*1MM	SERIAL No.:2015090101
MFR.:	SUR.:1000*10mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 43.98 lm/W			
MODEL	S103T55FC084B-24(WCP)	Imax(cd)	266.4	S/MH(C0/180)	1.33
NOMINAL POWER(W)	19	LOR(%)	106.6	S/MH(C90/270)	1.37
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	842.73	η UP,DN(C0-180)	0.0,53.3
NOMINAL FLUX(lm)	790.83	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,53.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	106.6	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-09-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

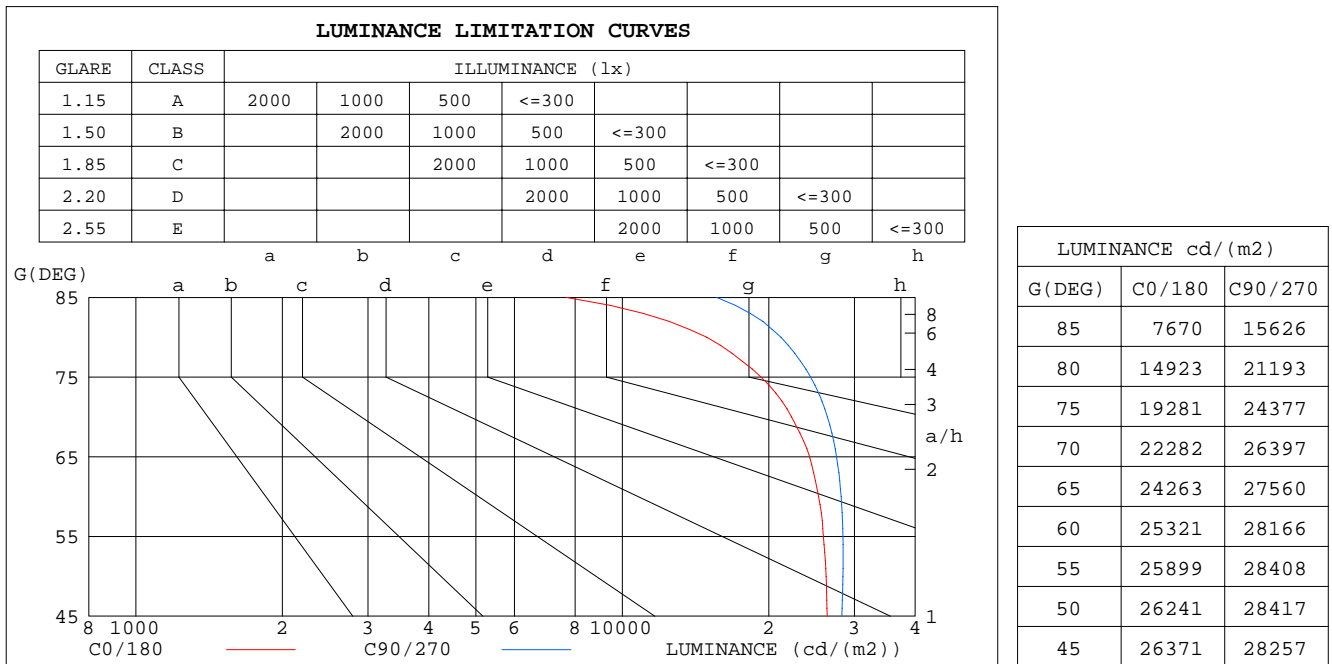
ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	261.0	260.6	261.0	263.5	263.7	261.8	262.1	263.1	0- 10	25.11	25.11	2.98,3.18
20	249.1	251.7	253.4	255.8	254.2	254.1	257.0	254.6	10- 20	73.08	98.19	11.7,12.4
30	229.7	235.6	238.2	240.8	237.1	238.5	243.1	238.2	20- 30	113.7	211.9	25.1,26.8
40	202.7	211.4	214.8	218.1	212.4	214.2	217.9	213.9	30- 40	141.7	353.6	42,44.7
50	168.7	179.3	182.7	187.1	180.3	182.0	185.0	181.4	40- 50	152.7	506.4	60.1,64
60	126.6	137.4	140.8	145.6	140.6	140.5	142.8	137.6	50- 60	143.8	650.2	77.1,82.2
70	76.21	86.54	90.28	93.60	92.01	89.20	90.97	86.06	60- 70	113.1	763.2	90.6,96.5
80	25.91	33.40	36.80	38.17	39.45	35.57	36.45	32.68	70- 80	64.36	827.6	98.2,105
90	0	0	0	0	1.316	0.0108	0	0	80- 90	15.13	842.7	100,107
100	0	0	0	0	0	0	0	0	90-100	0.0047	842.7	100,107
110	0	0	0	0	0	0	0	0	100-110	0	842.7	100,107
120	0	0	0	0	0	0	0	0	110-120	0	842.7	100,107
130	0	0	0	0	0	0	0	0	120-130	0	842.7	100,107
140	0	0	0	0	0	0	0	0	130-140	0	842.7	100,107
150	0	0	0	0	0	0	0	0	140-150	0	842.7	100,107
160	0	0	0	0	0	0	0	0	150-160	0	842.7	100,107
170	0	0	0	0	0	0	0	0	160-170	0	842.7	100,107
180	0	0	0	0	0	0	0	0	170-180	0	842.7	100,107
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-09-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

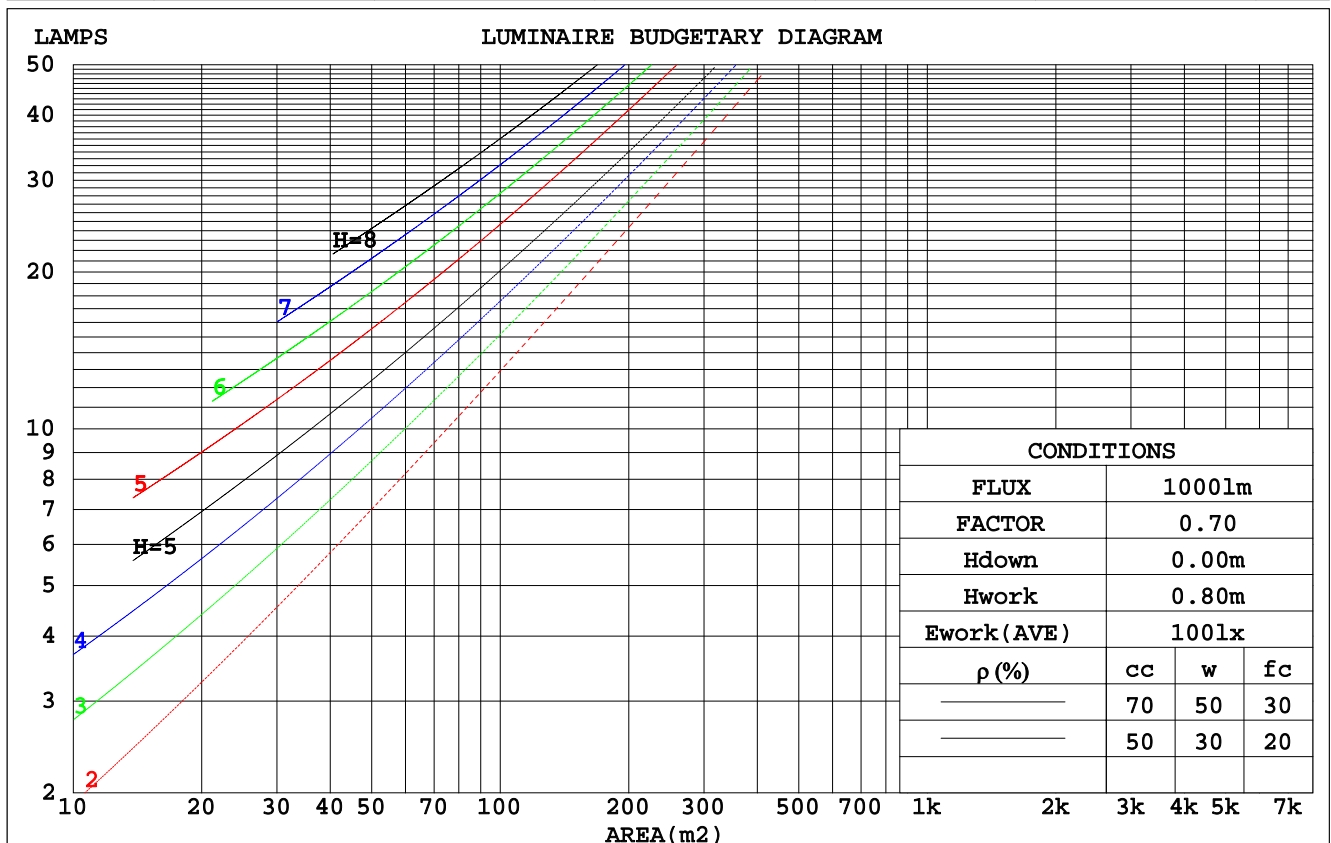


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-09-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 4.950m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

pcc	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	1.27	1.27	1.27	1.24	1.24	1.24	1.18	1.18	1.18	1.13	1.13	1.13	1.09	1.09	1.09	1.07
1.0	1.10	1.06	1.01	1.08	1.04	.00	1.03	.00	.97	.99	.96	.94	.95	.93	.91	.89
2.0	.96	.88	.82	.94	.87	.81	.90	.84	.79	.86	.81	.77	.83	.79	.75	.73
3.0	.83	.75	.67	.82	.73	.67	.79	.71	.66	.76	.69	.64	.73	.68	.63	.61
4.0	.74	.64	.57	.72	.63	.56	.69	.62	.55	.67	.60	.55	.65	.59	.54	.52
5.0	.66	.56	.48	.64	.55	.48	.62	.54	.48	.60	.53	.47	.58	.52	.47	.44
6.0	.59	.49	.42	.58	.49	.42	.56	.48	.41	.54	.47	.41	.52	.46	.41	.38
7.0	.53	.44	.37	.52	.43	.37	.51	.42	.36	.49	.42	.36	.48	.41	.36	.34
8.0	.48	.39	.33	.48	.39	.33	.46	.38	.32	.45	.38	.32	.44	.37	.32	.30
9.0	.44	.35	.29	.44	.35	.29	.42	.35	.29	.41	.34	.29	.40	.34	.29	.27
10.0	.41	.32	.27	.40	.32	.26	.39	.32	.26	.38	.31	.26	.37	.31	.26	.24



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-09-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

WEC AND CCEC

pcc	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	.338	.192	.061	.330	.188	.060	.316	.181	.058	.303	.175	.056	.291	.169	.054		
2.0	.319	.175	.054	.312	.172	.053	.299	.166	.052	.288	.161	.051	.277	.157	.049		
3.0	.295	.157	.047	.289	.155	.047	.278	.150	.046	.267	.146	.045	.258	.143	.044		
4.0	.272	.141	.041	.266	.139	.041	.256	.136	.041	.247	.133	.040	.239	.130	.040		
5.0	.251	.128	.037	.246	.126	.037	.237	.124	.036	.229	.121	.036	.221	.118	.036		
6.0	.232	.116	.033	.228	.115	.033	.220	.113	.033	.213	.111	.033	.206	.108	.032		
7.0	.216	.107	.030	.212	.106	.030	.205	.104	.030	.199	.102	.030	.192	.100	.029		
8.0	.201	.098	.028	.198	.097	.028	.192	.096	.027	.186	.094	.027	.180	.093	.027		
9.0	.188	.091	.025	.185	.090	.025	.180	.089	.025	.175	.087	.025	.170	.086	.025		
10.0	.177	.085	.024	.174	.084	.023	.169	.083	.023	.164	.082	.023	.160	.080	.023		

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	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022		
1.0	.193	.166	.143	.165	.143	.123	.113	.098	.085	.065	.057	.049	.021	.018	.016		
2.0	.185	.141	.104	.158	.121	.089	.108	.084	.062	.062	.049	.037	.020	.016	.012		
3.0	.177	.122	.078	.151	.105	.068	.104	.073	.048	.060	.043	.028	.019	.014	.009		
4.0	.169	.108	.061	.145	.093	.053	.100	.065	.037	.058	.038	.022	.019	.012	.007		
5.0	.161	.097	.049	.138	.084	.043	.095	.058	.030	.055	.034	.018	.018	.011	.006		
6.0	.153	.088	.041	.132	.076	.036	.091	.053	.025	.053	.031	.015	.017	.010	.005		
7.0	.146	.081	.035	.125	.070	.030	.087	.049	.022	.050	.029	.013	.016	.009	.004		
8.0	.139	.074	.030	.119	.065	.026	.083	.045	.019	.048	.027	.011	.016	.009	.004		
9.0	.132	.069	.027	.114	.060	.023	.079	.042	.016	.046	.025	.010	.015	.008	.003		
10.0	.126	.065	.024	.109	.056	.021	.075	.039	.015	.044	.023	.009	.014	.008	.003		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-09-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

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	24.2	25.8	24.5	26.0	26.2	24.7	26.2	24.9	26.4	26.6
3H	25.7	27.2	26.0	27.4	27.6	26.3	27.8	26.6	28.0	28.2
4H	26.2	27.6	26.5	27.9	28.1	27.0	28.3	27.3	28.6	28.8
6H	26.5	27.8	26.8	28.1	28.4	27.4	28.7	27.7	29.0	29.2
8H	26.6	27.8	26.9	28.1	28.4	27.5	28.8	27.9	29.0	29.3
12H	26.6	27.8	26.9	28.1	28.4	27.6	28.8	27.9	29.1	29.4
4H 2H	25.0	26.3	25.3	26.6	26.8	25.3	26.7	25.6	26.9	27.2
3H	26.6	27.8	27.0	28.1	28.4	27.1	28.3	27.5	28.6	28.9
4H	27.2	28.3	27.6	28.7	29.0	27.9	29.0	28.2	29.3	29.6
6H	27.6	28.6	28.0	29.0	29.3	28.4	29.4	28.8	29.7	30.1
8H	27.7	28.6	28.1	29.0	29.4	28.6	29.5	29.0	29.9	30.3
12H	27.7	28.6	28.2	29.0	29.4	28.7	29.5	29.1	29.9	30.3
8H 4H	27.5	28.5	28.0	28.8	29.2	28.1	29.0	28.5	29.4	29.8
6H	28.1	28.8	28.5	29.2	29.7	28.8	29.5	29.2	29.9	30.4
8H	28.2	28.9	28.7	29.3	29.8	29.0	29.7	29.5	30.1	30.6
12H	28.3	28.8	28.8	29.3	29.8	29.2	29.8	29.7	30.2	30.7
12H 4H	27.6	28.4	28.0	28.8	29.2	28.1	28.9	28.5	29.3	29.7
6H	28.1	28.8	28.6	29.2	29.7	28.8	29.5	29.3	29.9	30.4
8H	28.3	28.9	28.8	29.3	29.8	29.1	29.7	29.6	30.1	30.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 790.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.8)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-09-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

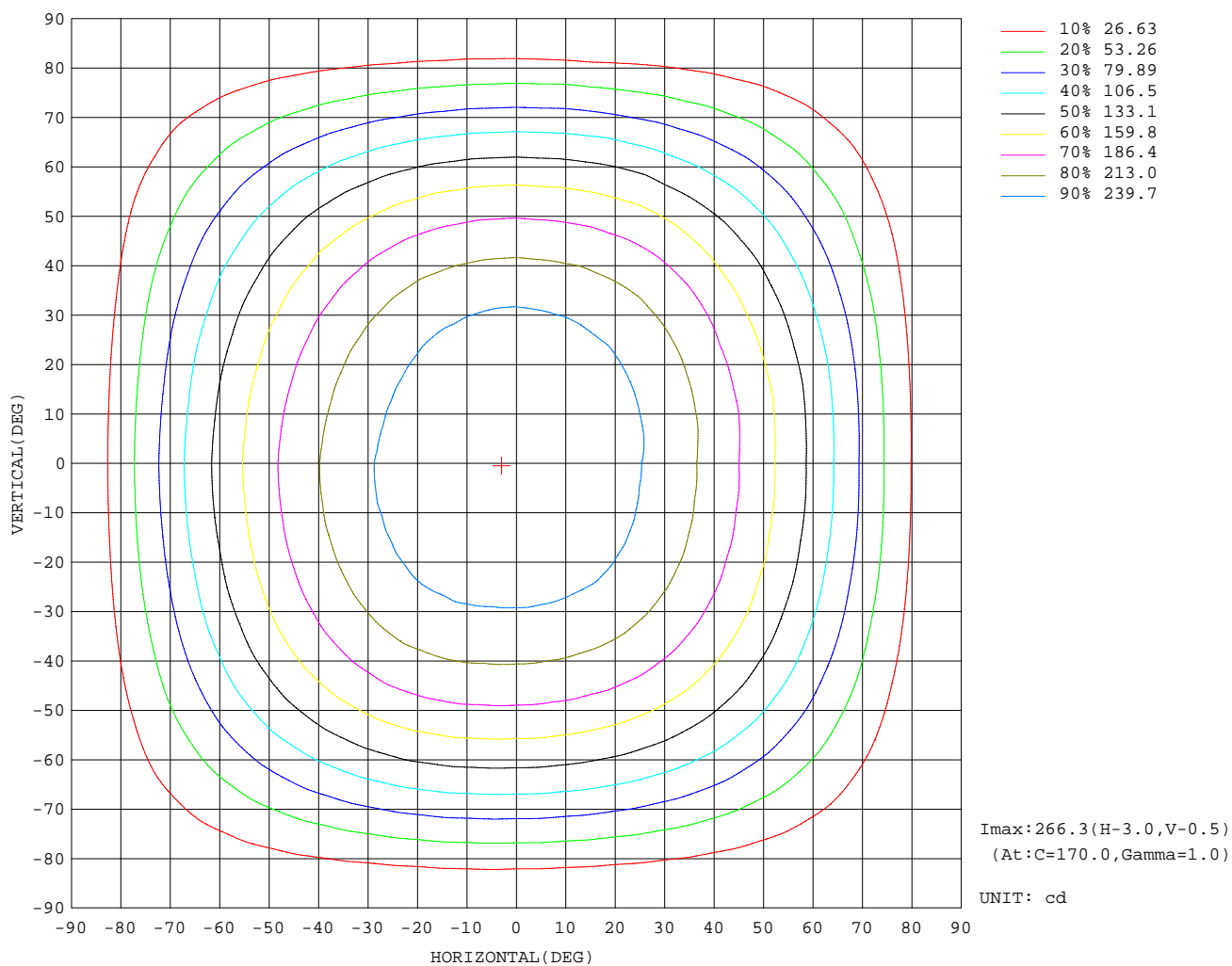
UTILIZATION FACTORS TABLE

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	60	47	39	59	47	39	58	46	39	32
0.80	70	58	50	69	57	49	67	56	49	41
1.00	80	67	59	78	67	59	76	68	58	51
1.25	87	76	68	86	75	67	83	73	67	59
1.50	93	82	74	91	81	74	88	79	72	64
2.00	100	91	84	98	90	83	95	87	81	73
2.50	105	96	89	102	95	88	98	92	86	78
3.00	108	101	95	106	99	94	102	96	91	82
4.00	113	107	101	110	105	100	106	101	97	88
5.00	115	110	106	113	108	104	108	104	101	91
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: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-09-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

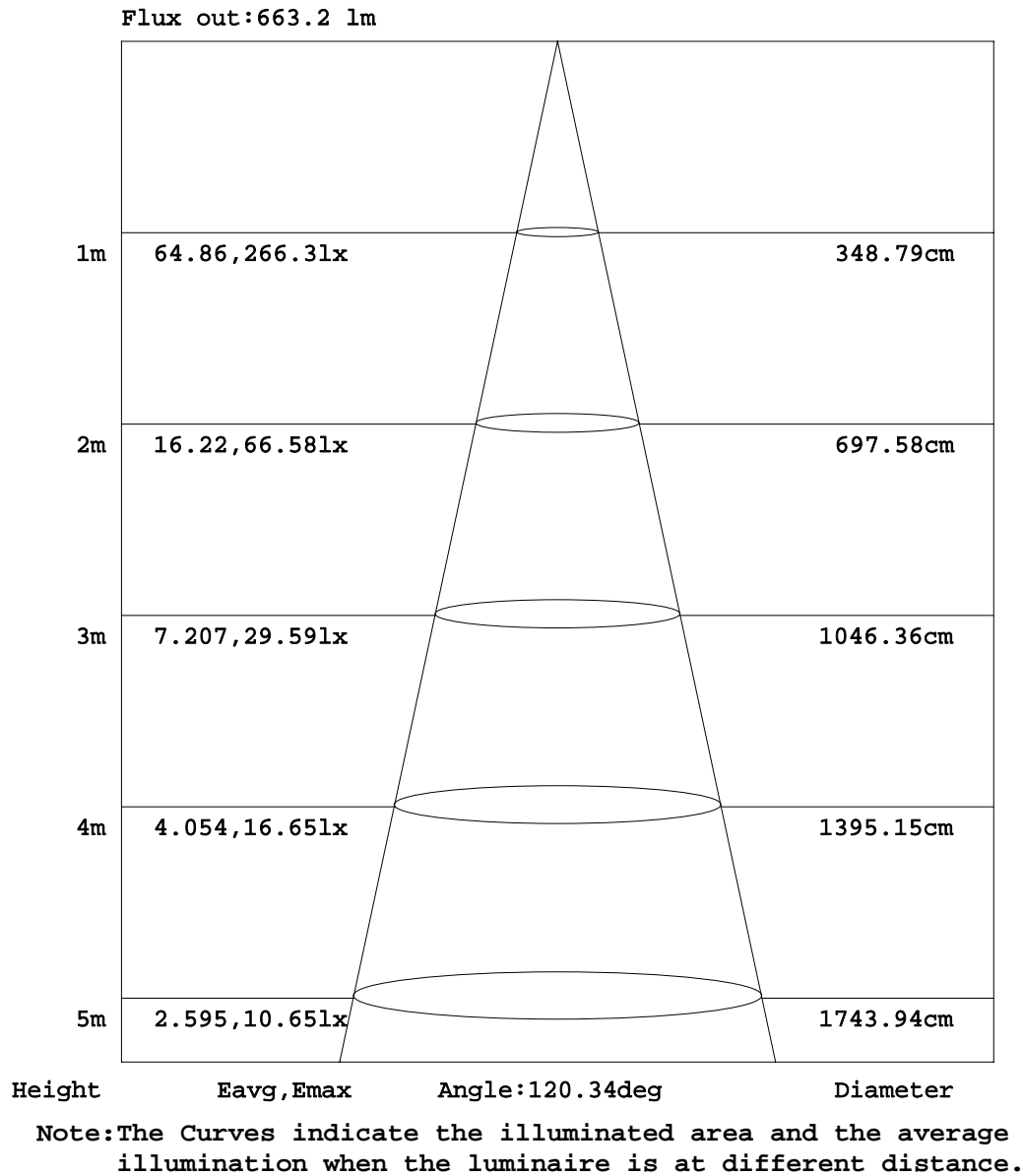
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-09-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 4.950m [K=1.0000]
Remarks:

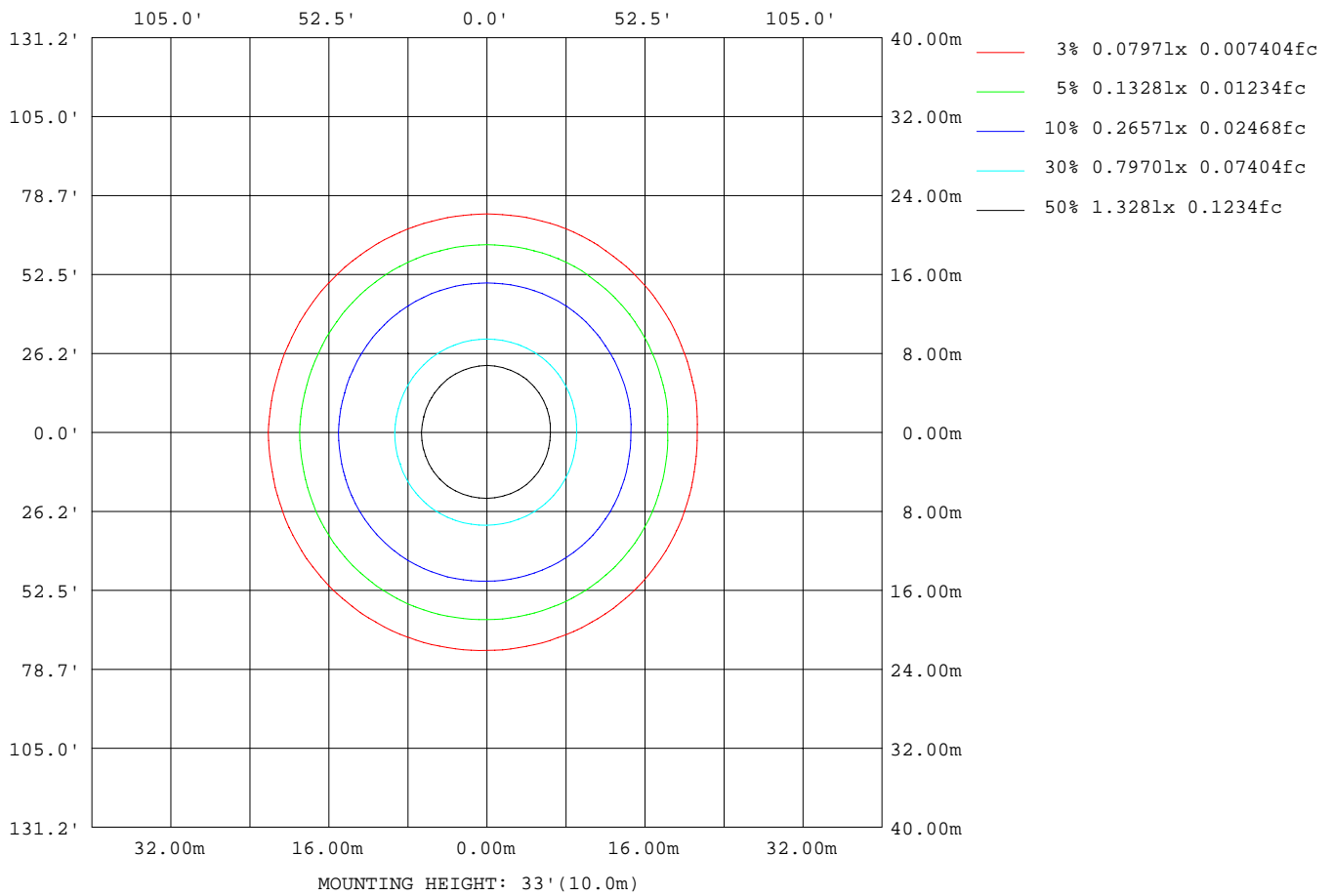
AAI Figure



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2015-09-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:4.950m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-09-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 4.950m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.99V I:0.7988A P:19.16W PF:1.000 Lamp Flux:790.83x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:RGBW 84LED	DIM.: 1000*10*1MM	SERIAL No.:2015090101
MFR.:	SUR.:1000*10mm	Shielding Angle:

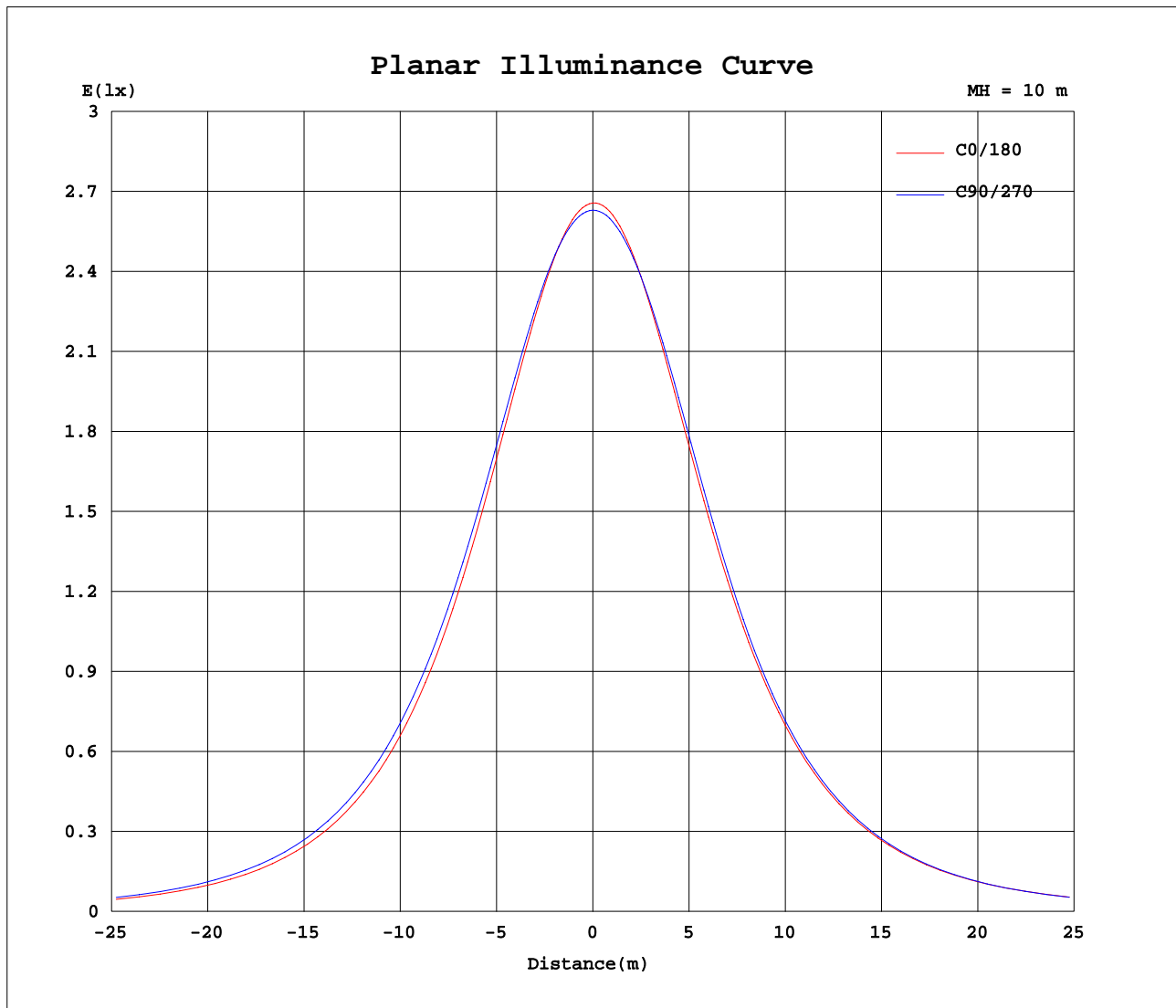
AvgL	cd/m2
L_0~180(65)av	26030
L_0~180(75)av	22318
L_0~180(85)av	13393
L_90~270(65)av	27693
L_90~270(75)av	24503
L_90~270(85)av	14995
L_45(65)av	27370
L_45(75)av	23721
L_45(85)av	14389

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2015-09-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:4.950m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2015-09-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 4.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	266	265	265	264	264	264	264	263	263	264	264	263	263	263	263	263	263	263	263
5	264	264	263	263	263	263	263	263	263	263	263	263	262	262	262	262	262	263	262
10	261	261	260	260	260	260	260	260	260	261	261	261	261	261	261	261	261	261	261
15	256	256	255	256	256	256	256	256	256	257	257	257	257	257	258	258	258	258	258
20	249	249	249	249	249	250	250	251	251	252	252	253	252	253	253	253	253	254	253
25	240	240	240	241	241	242	243	243	244	245	245	246	246	246	246	246	246	247	247
30	230	230	230	231	231	232	233	234	235	236	236	237	237	237	237	238	238	238	238
35	217	217	218	219	219	221	222	223	223	225	225	226	226	227	227	227	227	228	228
40	203	203	203	205	205	207	208	209	210	211	212	213	214	214	214	214	214	215	215
45	186	187	187	189	190	192	193	194	195	196	197	198	199	199	199	199	199	200	200
50	169	169	170	171	172	174	175	177	178	179	180	181	181	182	181	182	182	183	183
55	149	149	150	151	152	154	155	157	158	159	160	161	161	162	162	162	162	163	163
60	127	128	128	130	130	133	134	135	136	137	138	139	139	140	140	140	140	141	141
65	103	103	104	105	106	108	109	111	112	113	113	114	114	115	115	116	116	117	116
70	76.2	77.2	77.6	79.0	80.0	81.8	82.8	84.4	85.2	86.5	86.9	87.8	87.9	88.7	88.7	89.5	89.5	90.4	90.3
75	49.9	50.9	51.1	52.7	53.4	55.1	55.9	57.5	58.1	59.4	59.6	60.6	60.6	61.5	61.4	62.4	62.2	63.3	63.1
80	25.9	26.6	26.9	28.1	28.8	30.3	30.7	32.1	32.3	33.4	33.5	34.5	34.4	35.2	35.1	36.1	36.0	37.0	36.8
85	6.68	7.30	7.46	8.35	8.69	9.70	9.91	10.7	10.8	11.6	11.5	12.1	11.9	12.6	12.4	13.1	13.1	13.8	13.6
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:2015-09-25

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351

Humidity:65.0%

Test Distance:4.950m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	263	263	263	264	264	264	264	265	266	265	265	265	266	266	266	266	266	266	265
5	262	262	263	263	264	264	264	264	265	265	265	265	265	265	266	266	266	266	265
10	261	261	261	262	262	262	262	263	263	263	263	263	263	263	264	264	264	264	263
15	258	258	258	259	259	259	259	260	260	260	260	260	260	259	260	260	260	260	259
20	253	253	254	254	255	255	255	255	256	255	255	254	254	254	254	254	254	254	253
25	247	247	248	248	249	248	249	249	249	248	248	248	247	247	247	247	247	247	246
30	238	239	239	240	240	240	241	241	241	240	240	239	239	238	238	237	237	237	236
35	228	228	229	230	230	230	231	231	230	230	229	228	228	227	227	226	226	226	225
40	215	216	217	217	218	218	219	219	218	217	217	215	215	214	214	213	213	212	212
45	201	201	202	203	203	204	205	204	204	203	202	201	200	199	199	197	198	197	196
50	183	184	185	186	187	187	188	187	187	186	186	184	183	182	181	180	180	180	179
55	164	164	166	166	167	168	168	168	168	167	166	165	164	163	162	161	161	161	160
60	142	142	144	144	145	145	146	145	146	145	145	144	143	142	141	140	140	141	139
65	117	118	119	119	120	120	121	120	121	120	120	120	119	118	118	117	117	117	116
70	91.1	91.4	92.4	92.5	93.1	92.9	93.5	93.1	93.6	93.1	93.4	92.6	92.6	91.7	91.6	91.0	91.3	92.0	90.8
75	63.9	64.0	64.9	64.5	65.1	64.7	65.3	64.9	65.6	65.1	65.6	64.8	65.1	64.1	64.6	63.9	64.7	65.6	64.0
80	37.6	37.5	38.0	37.3	37.7	37.2	37.8	37.4	38.2	37.7	38.2	37.7	38.0	37.6	37.8	37.7	38.2	39.4	38.3
85	14.5	14.2	14.2	13.5	13.9	13.5	14.0	13.7	14.3	14.1	14.6	14.4	14.9	14.7	15.3	15.1	15.8	16.7	16.0
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.02	0.28	0.22	0.81	1.32	0.90
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-09-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	265	264	264	264	264	263	263	264	264	263	263	263	263	263	263	263	263	263	263
5	264	264	264	264	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263
10	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262
15	259	258	258	258	258	258	258	259	259	259	259	260	260	260	260	260	260	260	260
20	253	253	253	253	253	253	254	254	255	255	256	256	256	257	257	257	257	257	256
25	245	245	245	245	246	246	247	247	248	249	250	250	251	251	251	252	251	251	251
30	236	235	236	236	237	237	238	239	240	240	241	241	242	242	243	243	243	243	242
35	225	224	225	225	226	226	227	227	229	229	230	230	231	231	231	232	232	231	231
40	211	211	211	211	212	213	214	214	215	216	217	217	217	217	218	218	218	217	217
45	196	195	196	196	197	197	199	199	200	201	202	202	202	202	202	202	202	202	202
50	179	178	179	179	180	180	182	182	183	183	184	184	185	185	185	185	185	184	185
55	160	159	160	160	161	161	162	162	164	164	165	165	165	165	166	165	165	165	165
60	139	138	139	138	139	139	141	140	141	141	142	142	143	142	143	142	143	142	143
65	116	115	115	115	115	115	116	116	117	116	117	117	117	117	118	117	118	117	118
70	90.2	89.2	89.1	88.6	89.2	88.8	89.5	89.2	90.0	89.5	90.4	89.9	90.5	90.1	90.9	90.5	91.0	90.5	91.2
75	63.9	62.4	62.8	61.8	62.3	61.7	62.4	61.9	62.4	61.9	62.7	62.2	62.9	62.6	63.4	63.1	63.7	63.2	63.8
80	38.1	37.1	37.0	36.2	36.4	35.9	36.1	35.6	35.8	35.3	35.7	35.3	35.9	35.7	36.4	36.1	36.5	35.7	35.7
85	16.0	15.2	15.2	14.4	14.6	13.9	14.0	13.3	13.3	12.6	12.8	12.3	12.7	12.3	12.8	12.4	12.5	11.1	11.2
90	1.04	0.56	0.59	0.17	0.22	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2015-09-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 4.950m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	263	264	264	264	264	265	266	265	265	265	266	266	266	266	266				
5	263	263	264	264	264	264	265	265	265	265	265	264	265	265	265				
10	262	262	263	262	262	263	263	263	262	262	262	262	262	262	262				
15	260	260	260	260	259	260	260	259	258	258	258	257	257	257	257				
20	256	256	256	255	255	255	255	254	253	252	252	251	251	251	250				
25	250	250	250	249	248	248	247	246	245	244	244	243	243	242	241				
30	242	242	241	240	240	239	238	237	236	235	234	233	232	232	231				
35	231	231	230	230	229	229	227	226	225	224	222	221	220	219	218				
40	217	218	217	217	216	216	214	213	211	210	209	207	206	205	204				
45	202	202	201	201	201	200	199	198	196	195	192	191	190	189	188				
50	185	185	184	184	184	183	181	180	177	175	173	173	172	172	170				
55	165	165	165	165	164	163	161	159	157	156	154	153	152	152	150				
60	143	143	143	143	140	139	138	137	135	134	132	131	130	130	128				
65	117	118	117	117	114	114	113	112	110	110	108	107	106	105	104				
70	90.6	90.6	89.0	89.1	87.6	87.4	86.1	85.6	84.0	83.1	81.4	80.7	79.6	79.2	77.9				
75	62.8	62.1	61.4	61.4	60.1	60.0	58.7	58.5	56.9	56.4	54.6	54.3	52.9	52.8	51.3				
80	34.2	35.1	34.7	34.6	33.8	33.7	32.7	32.6	31.5	31.1	29.8	29.6	28.5	28.3	27.2				
85	10.3	11.2	11.1	11.3	11.4	11.7	11.0	11.3	10.6	10.5	9.71	9.61	8.92	8.68	7.79				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:2015-09-25

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351

Humidity:65.0%

Test Distance:4.950m [K=1.0000]

Remarks: