



## ZONAL FLUX DIAGRAM

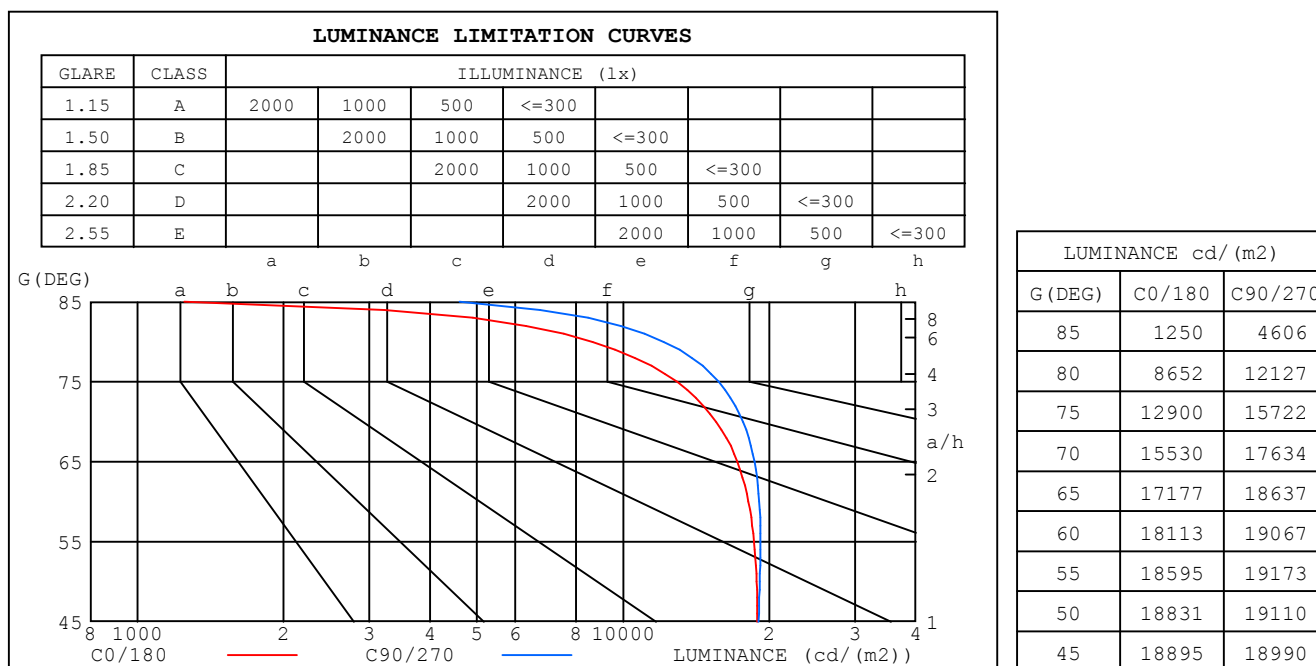
## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	183.8	182.6	182.1	184.6	185.2	185.0	185.1	186.7	0- 10	17.70	17.70	2.98,2.98
20	176.2	175.1	174.3	177.4	179.0	179.5	180.2	180.9	10- 20	51.36	69.06	11.6,11.6
30	163.0	162.5	161.7	165.3	168.1	169.7	170.2	169.9	20- 30	79.71	148.8	25,25
40	144.5	145.1	144.5	148.4	152.2	154.9	155.2	153.4	30- 40	99.43	248.2	41.7,41.7
50	121.0	122.7	122.8	126.2	131.2	134.8	135.5	131.7	40- 50	107.9	356.1	59.9,59.9
60	90.57	94.35	95.34	98.11	103.9	108.1	109.0	103.6	50- 60	103.0	459.1	77.2,77.2
70	53.11	57.99	60.31	62.02	68.68	71.12	72.12	65.85	60- 70	82.05	541.1	91,91
80	15.02	18.84	21.06	22.18	27.97	27.61	27.90	22.77	70- 80	45.49	586.6	98.6,98.6
90	0	0	0	0	0	0	0	0	80- 90	8.332	594.9	100,100
100	0	0	0	0	0	0	0	0	90-100	0	594.9	100,100
110	0	0	0	0	0	0	0	0	100-110	0	594.9	100,100
120	0	0	0	0	0	0	0	0	110-120	0	594.9	100,100
130	0	0	0	0	0	0	0	0	120-130	0	594.9	100,100
140	0	0	0	0	0	0	0	0	130-140	0	594.9	100,100
150	0	0	0	0	0	0	0	0	140-150	0	594.9	100,100
160	0	0	0	0	0	0	0	0	150-160	0	594.9	100,100
170	0	0	0	0	0	0	0	0	160-170	0	594.9	100,100
180	0	0	0	0	0	0	0	0	170-180	0	594.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2015-11-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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

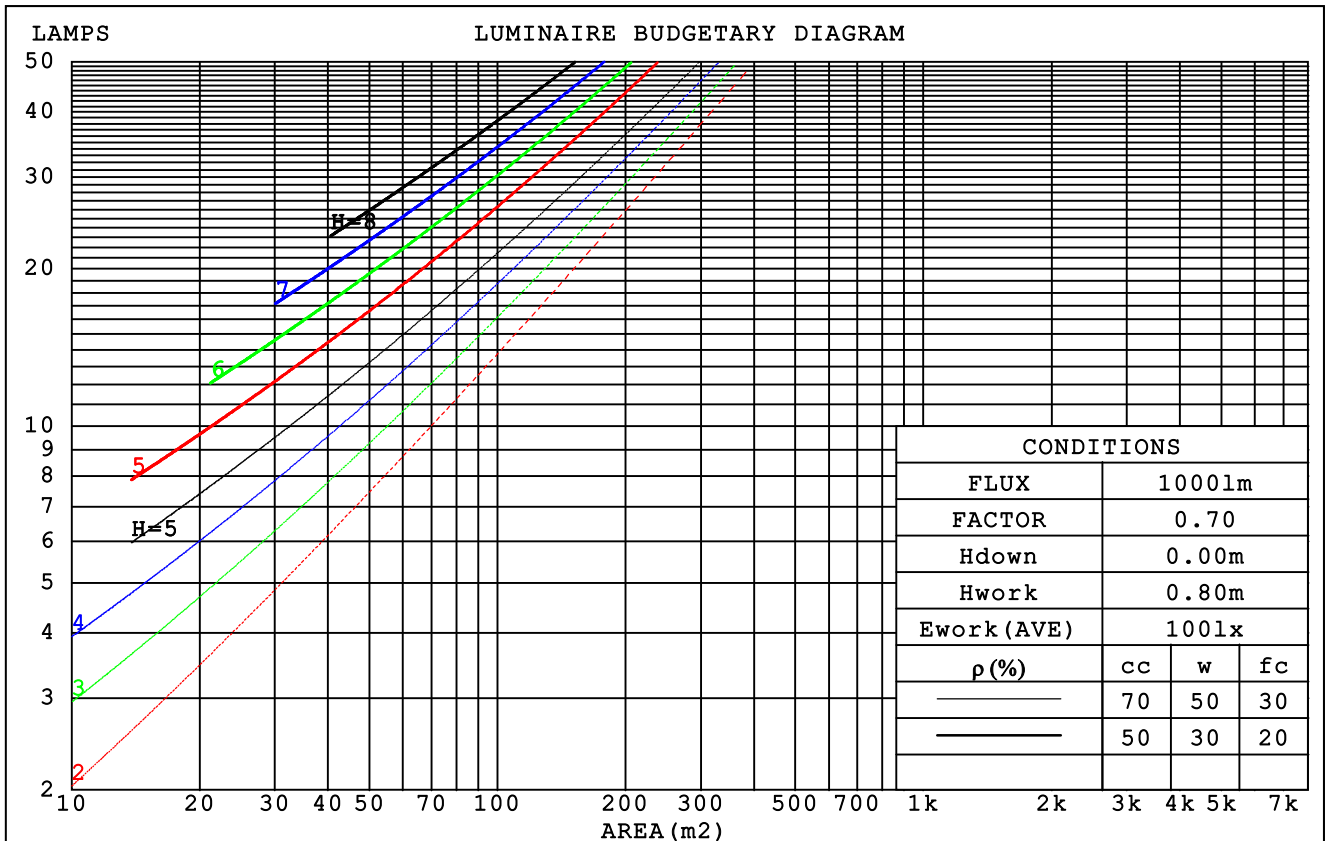


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2015-11-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.69
3.0	.78	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.64	.59	.57
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.63	.56	.51	.61	.55	.51	.48
5.0	.61	.52	.45	.60	.52	.45	.58	.50	.45	.56	.49	.44	.54	.48	.44	.41
6.0	.55	.46	.39	.54	.45	.39	.52	.45	.39	.51	.44	.38	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.40	.34	.47	.40	.34	.46	.39	.34	.45	.38	.34	.32
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.30	.42	.35	.30	.41	.35	.30	.28
9.0	.42	.33	.27	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.24	.35	.29	.24	.23



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2015-11-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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	
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	.314	.179	.057	.307	.175	.056	.294	.168	.054	.281	.162	.052	.270	.157	.050		
2.0	.298	.163	.050	.292	.161	.050	.280	.156	.048	.269	.151	.047	.259	.147	.046		
3.0	.276	.147	.044	.271	.145	.044	.260	.141	.043	.251	.137	.042	.242	.134	.041		
4.0	.255	.132	.039	.250	.131	.039	.241	.128	.038	.232	.125	.038	.224	.122	.037		
5.0	.235	.120	.035	.231	.119	.035	.223	.116	.034	.215	.114	.034	.208	.111	.033		
6.0	.218	.109	.031	.214	.108	.031	.207	.106	.031	.200	.104	.031	.194	.102	.030		
7.0	.203	.100	.028	.199	.099	.028	.193	.097	.028	.187	.096	.028	.181	.094	.028		
8.0	.189	.092	.026	.186	.092	.026	.180	.090	.026	.175	.088	.026	.169	.087	.025		
9.0	.177	.086	.024	.174	.085	.024	.169	.084	.024	.164	.082	.024	.159	.081	.023		
10.0	.166	.080	.022	.164	.079	.022	.159	.078	.022	.154	.077	.022	.150	.076	.022		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.019	.017	.015	
2.0	.173	.132	.097	.148	.114	.084	.102	.079	.059	.059	.046	.034	.019	.015	.011	
3.0	.166	.114	.073	.142	.099	.064	.098	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.158	.101	.057	.136	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.046	.130	.079	.040	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.144	.082	.039	.124	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.137	.076	.033	.118	.066	.028	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.028	.112	.061	.025	.078	.043	.017	.045	.025	.010	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2015-11-06

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	23.0	24.5	23.2	24.7	24.9	23.2	24.8	23.5	25.0	25.2
3H	24.4	25.8	24.7	26.1	26.3	24.8	26.3	25.1	26.5	26.8
4H	24.9	26.2	25.2	26.5	26.8	25.4	26.8	25.7	27.0	27.3
6H	25.1	26.4	25.4	26.6	26.9	25.8	27.1	26.1	27.3	27.6
8H	25.1	26.3	25.4	26.6	26.9	25.8	27.1	26.2	27.4	27.6
12H	25.0	26.2	25.4	26.5	26.8	25.8	27.0	26.2	27.3	27.6
4H 2H	23.6	25.0	24.0	25.3	25.5	23.8	25.2	24.2	25.5	25.7
3H	25.2	26.4	25.6	26.7	27.0	25.6	26.8	26.0	27.1	27.4
4H	25.8	26.9	26.2	27.2	27.5	26.3	27.4	26.7	27.7	28.1
6H	26.1	27.1	26.5	27.4	27.8	26.8	27.7	27.2	28.1	28.4
8H	26.1	27.0	26.5	27.4	27.8	26.8	27.7	27.3	28.1	28.5
12H	26.1	26.9	26.5	27.3	27.7	26.8	27.7	27.3	28.1	28.5
8H 4H	26.0	26.9	26.5	27.3	27.7	26.5	27.4	26.9	27.8	28.2
6H	26.4	27.2	26.9	27.6	28.0	27.1	27.8	27.5	28.2	28.6
8H	26.5	27.2	26.9	27.6	28.0	27.2	27.9	27.6	28.3	28.7
12H	26.5	27.0	27.0	27.5	28.0	27.2	27.8	27.7	28.2	28.7
12H 4H	26.0	26.9	26.5	27.3	27.7	26.5	27.3	26.9	27.7	28.1
6H	26.4	27.1	26.9	27.5	28.0	27.1	27.7	27.5	28.2	28.6
8H	26.5	27.1	27.0	27.5	28.0	27.2	27.8	27.7	28.2	28.7
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 / - 0.4				

CIE Pub.117 Corrected 594.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.8)

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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:

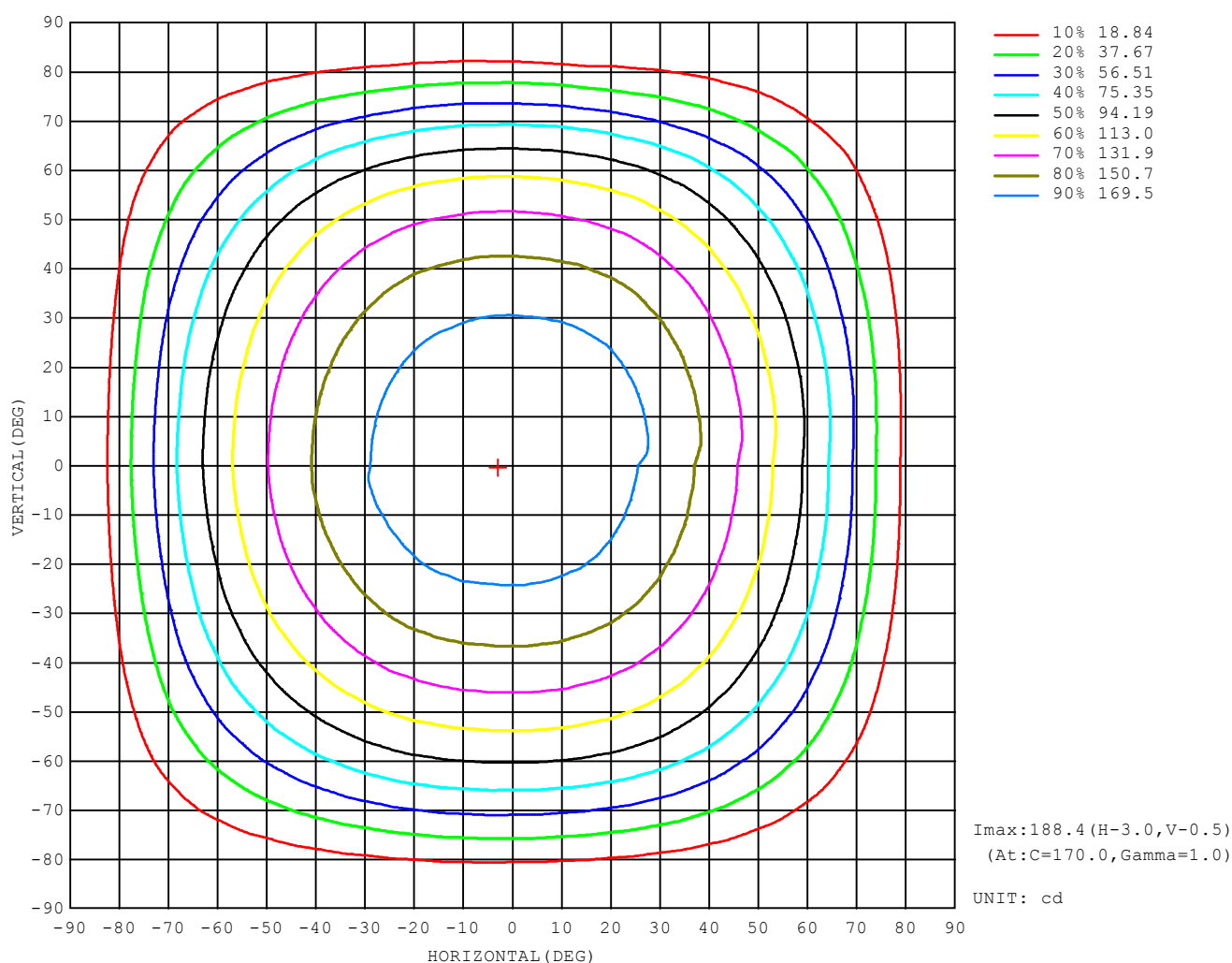
## UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	43	36	30
0.80	66	54	46	65	54	46	63	53	46	39
1.00	75	63	55	73	62	55	71	64	55	47
1.25	82	71	64	80	70	63	78	69	62	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	89	82	76	68
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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 $\gamma$  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

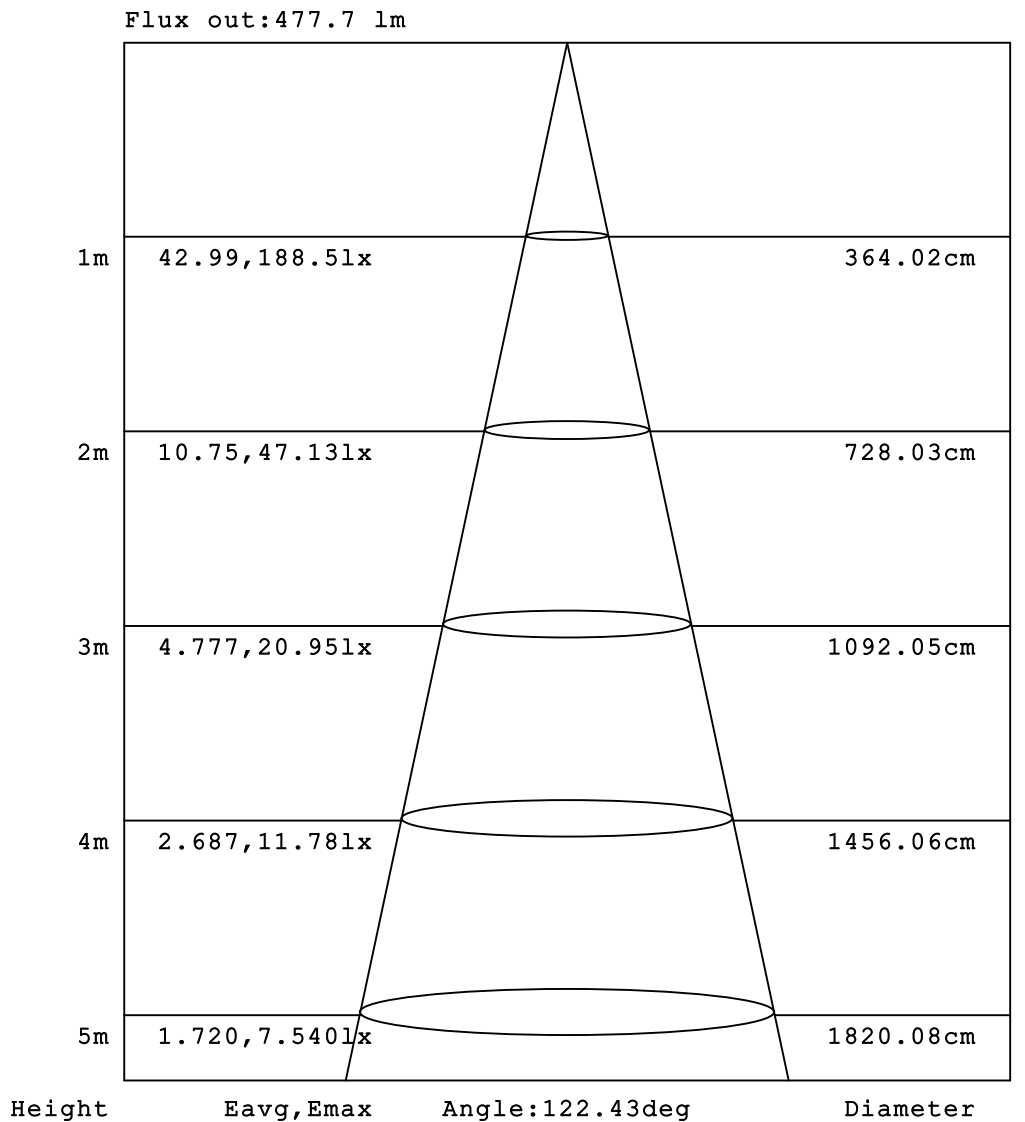


C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
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Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:4.950m [K=1.0000]  
Remarks:



## AAI Figure

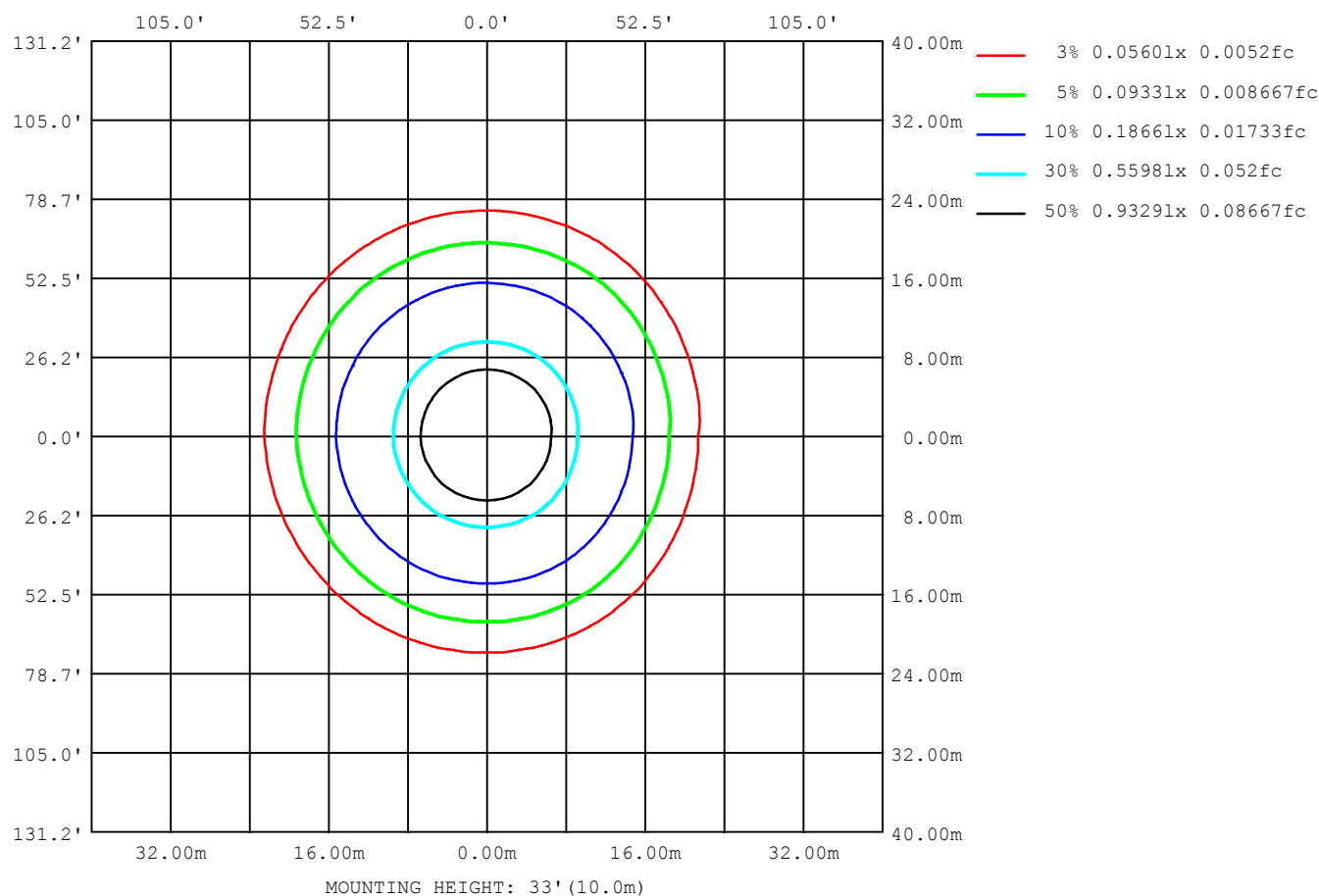


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 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: 2015-11-06

$\gamma$  Range: 0 - 180DEG  
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Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
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Remarks:

## LED Avg.L Report

Test:U:24.01V I:0.7005A P:16.82W PF:1.0000 Lamp Flux:594.94x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:
SPEC.:5050RGB+3528 120LED	DIM.: 1000*10*1MM	SERIAL No.:2015110603
MFR.:	SUR.:1000*10mm	Shielding Angle:

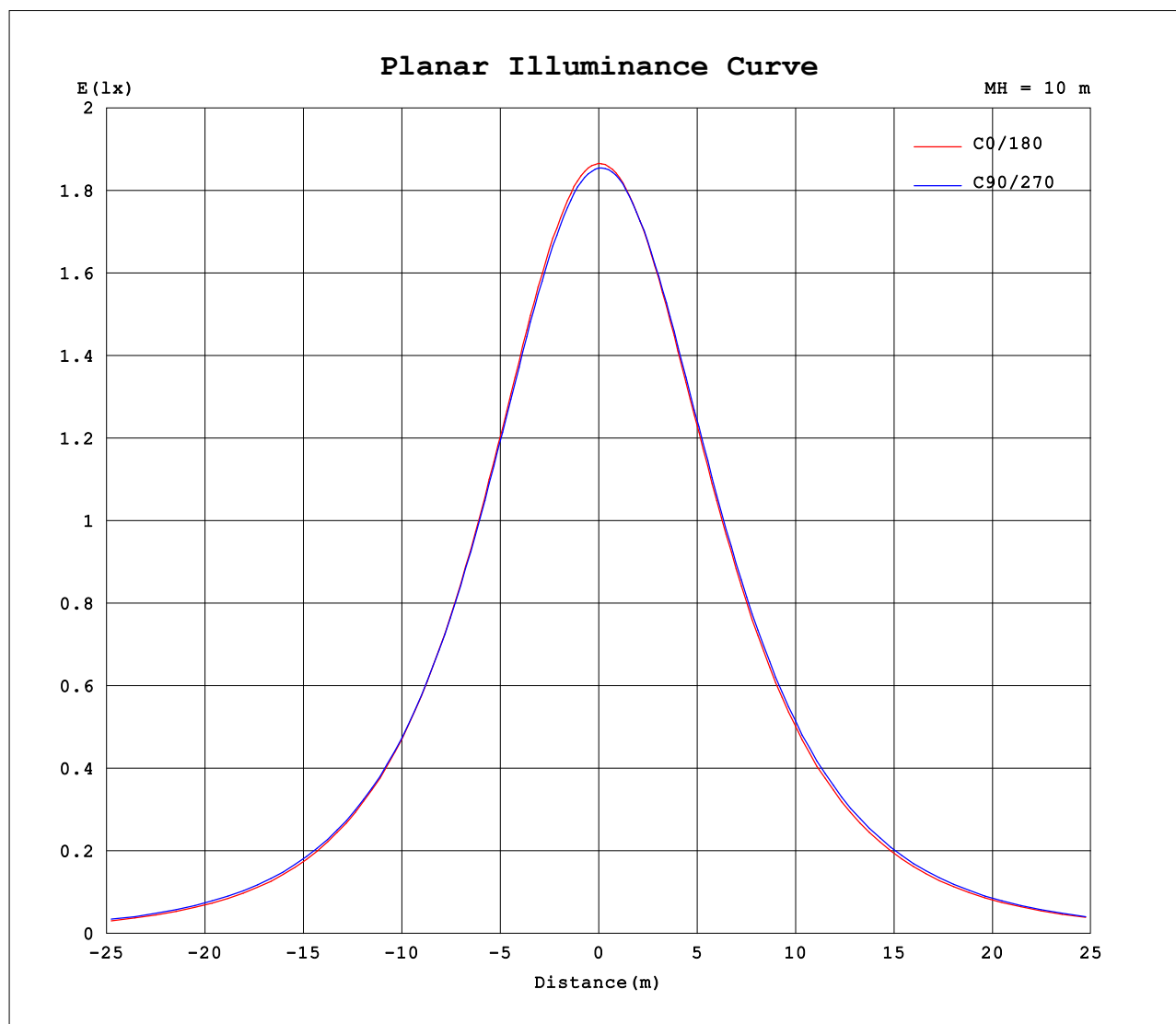
AvgL	cd/m2
L_0~180 (65) av	18924
L_0~180 (75) av	15790
L_0~180 (85) av	6357
L_90~270 (65) av	20185
L_90~270 (75) av	17509
L_90~270 (85) av	6754
L_45 (65) av	19837
L_45 (75) av	16665
L_45 (85) av	6718

Standard: GB/T 29293-2012

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$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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  
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Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2015-11-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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	187	186	186	186	186	186	186	186	186	186	186	186	185	185	185	185	185	186	185
5	186	185	185	185	185	185	185	185	184	185	185	185	184	184	184	184	184	184	184
10	184	184	183	183	183	183	183	183	182	183	182	182	182	182	182	182	182	182	182
15	181	180	180	180	180	180	179	179	179	179	179	179	179	179	179	179	179	179	179
20	176	176	175	175	175	175	175	175	175	175	175	175	175	175	175	175	174	175	174
25	170	170	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169	169
30	163	163	162	162	162	162	162	162	162	163	162	163	162	162	162	162	162	162	162
35	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
40	145	144	144	144	144	144	144	145	145	145	145	145	145	145	145	145	145	145	145
45	134	134	133	133	133	134	133	134	134	135	135	135	135	135	135	135	134	135	134
50	121	121	121	121	121	121	121	122	122	123	123	123	123	124	123	123	123	123	123
55	107	107	106	107	107	107	107	108	109	109	110	110	110	111	110	110	110	110	110
60	90.6	90.8	90.5	90.9	90.8	91.5	91.8	92.9	93.4	94.4	94.7	95.5	95.5	95.8	95.6	95.7	95.5	95.7	95.3
65	72.6	72.9	72.6	73.1	73.0	73.8	74.1	75.3	75.9	77.1	77.5	78.5	78.4	78.9	78.6	79.0	78.7	79.2	78.8
70	53.1	53.4	53.2	53.7	53.8	54.5	54.9	56.2	56.7	58.0	58.4	59.3	59.3	60.1	59.8	60.3	60.1	60.7	60.3
75	33.4	33.8	33.5	34.1	34.2	34.9	35.2	36.3	36.8	37.9	38.2	39.1	39.1	39.8	39.8	40.3	40.2	40.9	40.7
80	15.0	15.5	15.2	15.9	15.8	16.6	16.7	17.7	17.9	18.8	18.9	19.8	19.6	20.2	20.1	20.8	20.6	21.3	21.1
85	1.09	1.43	1.33	1.76	1.77	2.27	2.40	2.99	3.04	3.57	3.54	3.98	3.72	3.98	3.81	4.02	3.83	4.21	4.01
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: 2015-11-06

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	185	185	186	186	186	187	187	187	188	188	188	188	188	188	188	189	188	187	186
5	184	184	185	185	185	185	186	186	187	187	187	187	187	187	188	188	188	186	186
10	182	182	182	183	183	183	184	184	185	185	185	185	185	186	186	186	187	185	185
15	179	179	179	179	180	180	180	181	182	182	182	182	183	183	183	184	184	183	183
20	174	174	175	175	176	176	176	177	177	177	178	178	178	179	179	180	180	179	179
25	169	169	169	170	170	170	171	171	172	172	172	172	173	173	174	174	175	174	174
30	162	162	162	163	164	164	164	165	165	165	166	166	167	167	168	168	169	168	168
35	154	154	155	155	156	156	157	157	158	158	158	158	159	159	160	161	161	161	161
40	145	145	146	146	147	147	148	148	148	149	149	149	150	150	151	151	152	152	152
45	135	135	135	136	136	136	137	137	138	138	139	139	140	140	141	141	142	142	142
50	123	123	124	124	125	125	126	126	126	126	127	127	128	128	129	130	131	131	131
55	110	110	111	111	112	112	112	112	113	113	114	114	115	115	116	116	117	118	118
60	95.8	95.7	96.4	96.4	97.3	97.2	97.6	97.6	98.1	98.2	98.8	99.0	100.0	100	101	102	103	104	104
65	79.3	79.2	79.8	79.9	80.5	80.2	80.8	80.5	81.1	81.0	81.8	81.8	82.8	83.1	84.1	84.7	85.8	87.4	87.4
70	60.9	60.7	61.4	61.2	61.7	61.3	61.8	61.5	62.0	61.9	62.6	62.7	63.5	63.9	65.0	65.4	66.7	68.7	68.5
75	41.2	41.1	41.6	41.2	41.5	41.1	41.5	41.3	41.9	41.8	42.5	42.5	43.4	43.8	44.8	45.2	46.5	48.3	48.1
80	21.7	21.5	22.0	21.4	21.7	21.3	21.8	21.6	22.2	22.0	22.7	22.6	23.6	23.6	24.7	25.0	26.0	28.0	27.7
85	4.69	4.58	5.01	4.77	5.07	4.89	5.35	5.24	5.72	5.64	6.16	6.16	6.74	6.82	7.47	7.61	8.39	9.99	9.62
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:2015-11-06

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	186	186	186	186	186	186	186	186	186	186	185	185	185	185	185	186	185	185	185
5	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186
10	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185	185
15	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183
20	179	179	179	179	179	179	179	180	180	180	180	180	180	180	180	180	180	180	180
25	174	174	175	175	175	175	175	175	175	176	176	175	176	176	176	176	176	176	176
30	168	168	169	169	169	169	170	170	170	170	170	170	170	170	170	170	170	170	170
35	161	161	161	162	162	162	163	163	163	164	164	163	164	163	164	163	163	163	163
40	153	153	153	153	154	154	155	155	155	156	156	156	156	156	156	155	155	155	155
45	143	143	143	144	144	145	145	146	146	146	147	147	146	146	146	146	146	146	146
50	132	132	132	133	133	134	135	135	136	136	136	136	136	136	136	136	135	135	135
55	119	119	120	120	121	121	122	122	123	123	124	124	124	123	124	123	123	123	123
60	105	105	105	106	107	107	108	108	109	109	110	110	110	109	109	109	109	109	108
65	87.9	88.0	88.5	88.7	89.5	89.8	90.8	91.0	91.8	91.7	92.2	92.1	92.5	92.2	92.3	91.9	91.8	91.3	91.4
70	69.0	68.8	69.4	69.3	69.9	70.1	71.0	71.1	72.0	71.6	72.0	71.8	72.6	72.3	72.7	72.1	72.1	71.5	71.7
75	48.5	48.2	48.6	48.4	48.9	48.7	49.5	49.4	50.1	49.7	49.9	49.7	50.6	50.5	50.9	50.0	49.9	49.1	49.0
80	28.0	27.6	27.8	27.6	27.8	27.5	27.9	27.6	28.0	27.6	27.7	27.4	28.0	27.8	28.3	27.7	27.9	26.7	26.1
85	9.85	9.43	9.59	9.12	9.21	8.70	8.90	8.42	8.66	8.13	8.34	7.98	8.41	8.13	8.55	7.83	7.76	6.37	6.64
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: 2015-11-06

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	186	186	186	187	187	187	188	188	188	188	188	188	188	189	188				
5	186	186	187	187	187	187	188	188	187	188	188	188	188	188	188				
10	185	186	186	186	186	186	187	186	186	186	186	186	186	186	186				
15	183	184	184	184	184	184	184	184	184	184	184	183	183	183	183				
20	180	181	181	181	181	181	181	181	180	180	180	180	179	179	179				
25	176	176	176	176	176	176	176	176	175	175	175	174	174	174	173				
30	170	170	170	170	170	170	170	170	169	169	168	167	167	167	166				
35	163	163	163	163	163	163	162	162	161	161	160	159	159	158	157				
40	155	155	155	155	155	155	153	153	152	151	150	150	149	148	148				
45	146	146	145	145	145	144	143	143	141	141	139	139	138	138	136				
50	135	135	134	134	134	133	132	131	130	129	127	127	126	125	124				
55	122	122	122	122	121	120	119	118	116	115	114	113	112	111	110				
60	108	108	107	107	106	105	104	102	100	99.4	97.8	97.0	95.4	94.8	93.4				
65	90.7	90.6	89.9	89.5	88.3	87.7	86.1	84.8	82.9	81.7	80.1	79.2	77.7	77.0	75.6				
70	70.4	70.0	68.8	68.5	67.2	66.9	65.8	65.1	63.2	62.1	60.3	59.5	58.1	57.4	56.2				
75	48.0	47.2	45.9	45.7	44.9	44.7	43.4	42.7	41.5	41.3	39.7	39.0	37.6	37.2	35.9				
80	24.8	24.7	24.8	25.2	24.2	23.8	22.8	22.7	21.5	20.6	19.7	19.7	18.7	18.3	17.3				
85	7.08	7.58	6.88	6.85	6.32	6.39	5.71	5.60	4.68	4.81	3.90	3.68	3.20	3.14	2.56				
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:2015-11-06

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: