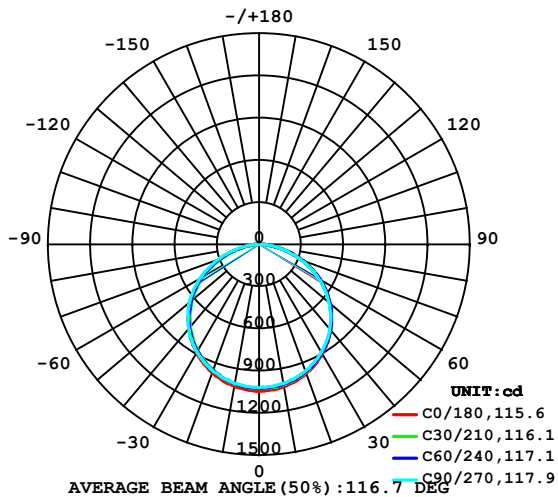


## LUMINAIRE PHOTOMETRIC TEST REPORT

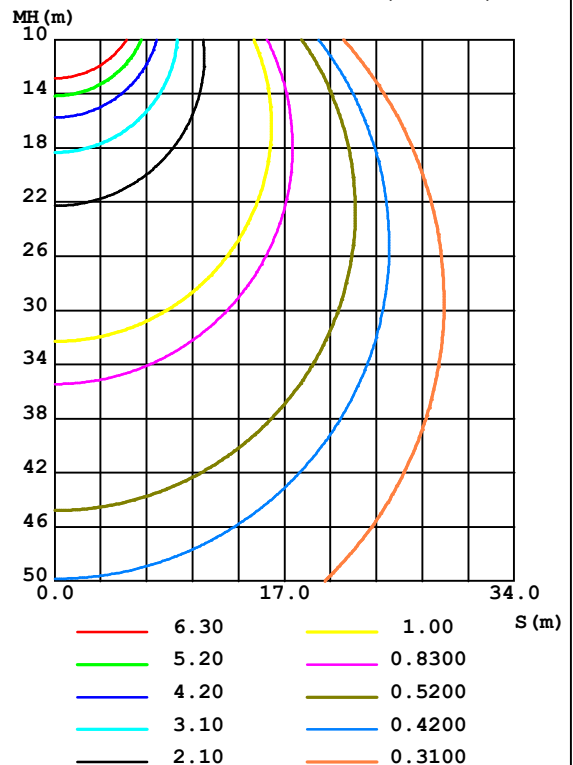
Test:U:24.03V I:1.014A P:24.35W PF:1.000 Lamp Flux:3055.29x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128ED WW	DIM.: 1000*12*1MM	SERIAL No.:2016042300
MFR.: Dilux	SUR.:1000*12mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.45 lm/W			
MODEL:2835 128ED WW-MODEL:2835 128ED WW	XX128B-24 (WCP) -HR	Imax(cd)	1043	S/MH(C0/180)	1.27
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	3055.3	$\eta$ UP,DN(C0-180)	0.1,50.0
NOMINAL FLUX(lm)	3055.29	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.1,49.7
LAMPS INSIDE	1	$\eta$ up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	$\eta$ down(%)	99.7	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-04-23

$\gamma$  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:

## ZONAL FLUX DIAGRAM

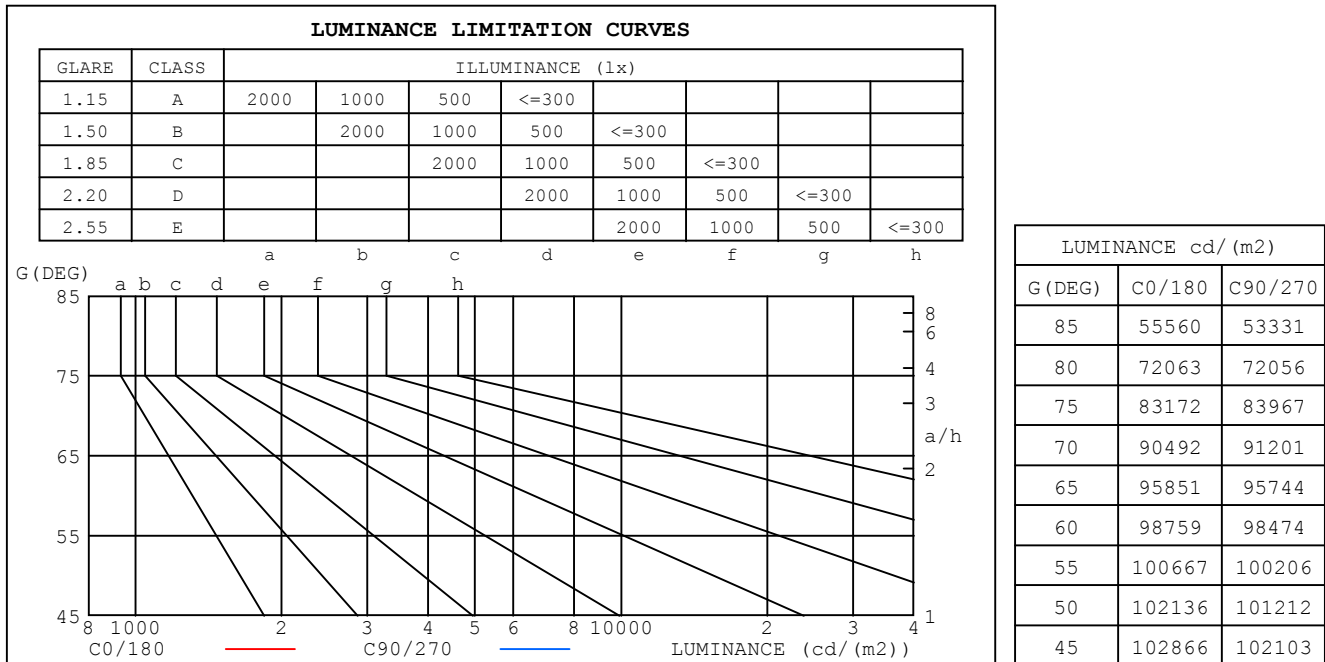
## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1028	1014	1004	1004	1025	1007	1004	1010	0- 10	97.06	97.06	3.18,3.18
20	979.9	971.0	959.5	954.4	973.8	956.3	959.0	967.7	10- 20	279.4	376.5	12.3,12.3
30	901.0	897.8	886.1	875.5	891.3	875.8	885.1	895.0	20- 30	427.8	804.3	26.3,26.3
40	792.2	794.7	784.0	766.8	778.8	765.6	781.9	792.5	30- 40	523.5	1328	43.5,43.5
50	656.5	661.8	650.6	628.4	637.1	626.4	650.0	660.1	40- 50	552.1	1880	61.5,61.5
60	493.8	503.2	492.4	464.5	471.1	462.0	490.2	502.4	50- 60	506.8	2387	78.1,78.1
70	309.5	322.4	311.9	279.6	285.3	275.6	304.1	321.9	60- 70	389.9	2777	90.9,90.9
80	125.1	135.9	125.1	97.74	103.9	92.93	115.8	136.3	70- 80	218.2	2995	98,98
90	6.499	7.800	0.0328	0.2092	1.052	0.0037	0.0167	8.804	80- 90	52.43	3047	99.7,99.7
100	0	0	0	0	0	0	0	0	90-100	0.4253	3048	99.7,99.7
110	0	0	0	0	0	0	0	0	100-110	0	3048	99.7,99.7
120	0	0	0.0468	0.0003	0.0011	0.1802	0.2652	0	110-120	0.0037	3048	99.7,99.7
130	0.9244	0.9302	1.365	1.255	1.302	1.482	1.563	1.071	120-130	0.5017	3048	99.8,99.8
140	2.220	2.229	2.627	2.490	2.555	2.680	2.767	2.299	130-140	1.407	3050	99.8,99.8
150	3.438	3.420	3.748	3.569	3.696	3.734	3.853	3.438	140-150	1.886	3051	99.9,99.9
160	4.599	4.481	4.740	4.540	4.759	4.678	4.803	4.448	150-160	1.884	3053	99.9,99.9
170	5.664	5.387	5.553	5.474	5.799	5.581	5.574	5.318	160-170	1.420	3055	100,100
180	6.359	6.058	6.030	5.959	6.404	6.057	6.026	5.970	170-180	0.5471	3055	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-04-23

$\gamma$  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

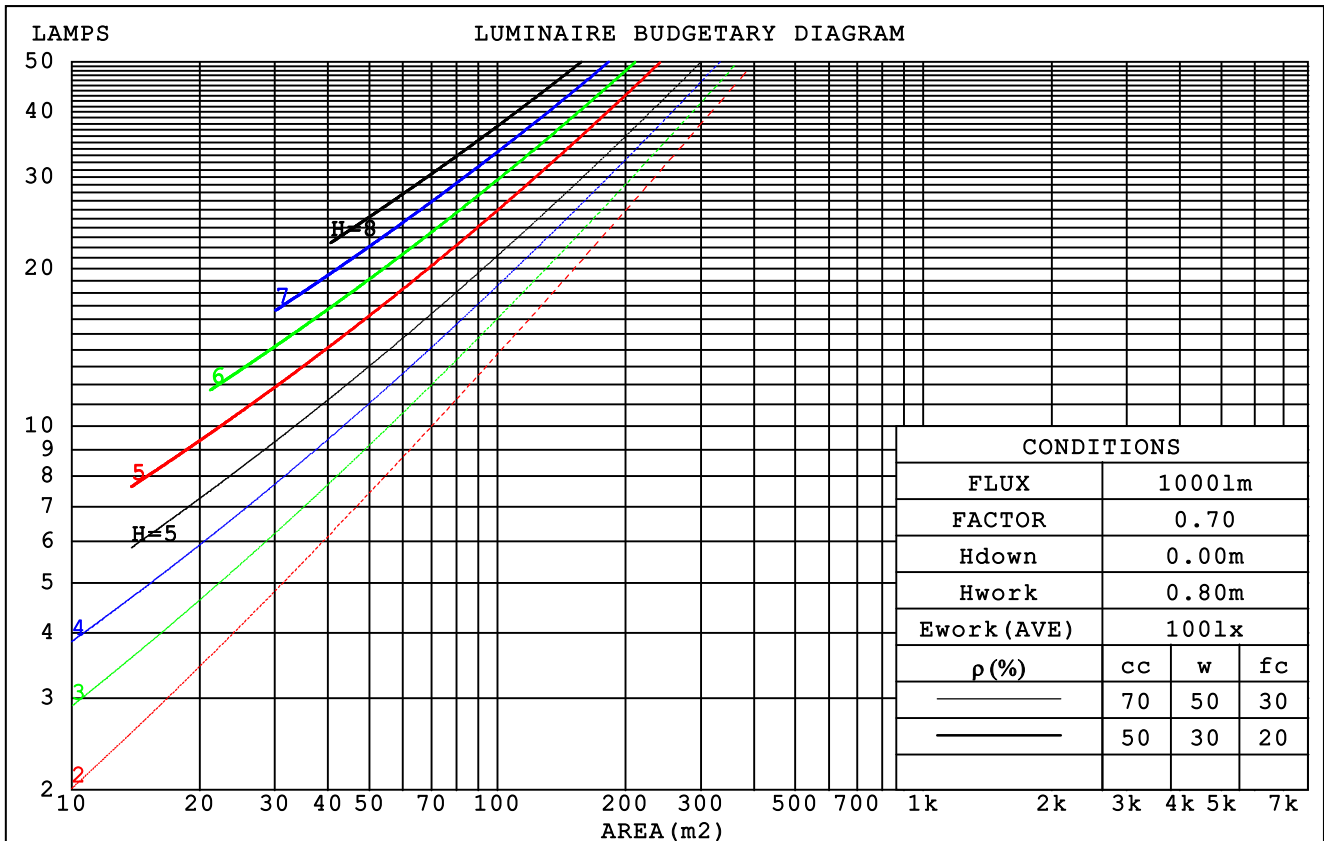


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2016-04-23

$\gamma$  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

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			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	.00
1.0	1.04	.99	.96	1.01	.98	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.36	.30	.25	.23



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2016-04-23

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

$\rho_{cc}$	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						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.311	.177	.056	.304	.173	.055	.290	.167	.053	.278	.160	.051	.267	.155	.050		
2.0	.294	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.254	.144	.045		
3.0	.272	.145	.043	.266	.143	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041		
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.037	.228	.122	.037	.220	.120	.036		
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.212	.112	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021		

$\rho_{cc}$	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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.182	.158	.136	.156	.136	.117	.107	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.175	.134	.100	.149	.115	.086	.102	.080	.060	.059	.046	.035	.019	.015	.011	
3.0	.167	.116	.076	.143	.100	.066	.098	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.159	.103	.060	.137	.089	.052	.094	.062	.037	.054	.036	.022	.018	.012	.007	
5.0	.152	.093	.049	.131	.080	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.145	.084	.041	.124	.073	.036	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.077	.035	.119	.067	.031	.082	.047	.022	.048	.028	.013	.015	.009	.004	
8.0	.132	.072	.031	.113	.062	.027	.078	.044	.019	.046	.026	.011	.015	.008	.004	
9.0	.125	.067	.027	.108	.058	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.120	.062	.024	.103	.054	.021	.072	.038	.015	.042	.023	.009	.014	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2016-04-23

$\gamma$  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:

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	29.1	30.6	29.3	30.8	31.0	29.1	30.6	29.4	30.8	31.1
3H	30.6	32.1	30.9	32.3	32.5	30.7	32.1	31.0	32.4	32.6
4H	31.3	32.6	31.6	32.9	33.1	31.3	32.7	31.6	32.9	33.2
6H	31.7	32.9	32.0	33.2	33.5	31.7	33.0	32.1	33.3	33.6
8H	31.8	33.0	32.1	33.3	33.6	31.8	33.1	32.2	33.4	33.7
12H	31.8	33.0	32.2	33.3	33.6	31.9	33.1	32.2	33.4	33.7
4H 2H	29.7	31.1	30.0	31.3	31.6	29.8	31.1	30.1	31.4	31.6
3H	31.5	32.7	31.8	33.0	33.3	31.5	32.7	31.9	33.0	33.3
4H	32.2	33.3	32.6	33.6	34.0	32.3	33.4	32.7	33.7	34.0
6H	32.8	33.7	33.2	34.1	34.5	32.8	33.8	33.2	34.1	34.5
8H	32.9	33.8	33.4	34.2	34.6	33.0	33.9	33.4	34.3	34.6
12H	33.0	33.9	33.5	34.2	34.7	33.1	33.9	33.5	34.3	34.7
8H 4H	32.5	33.4	32.9	33.8	34.2	32.6	33.5	33.0	33.8	34.2
6H	33.2	34.0	33.7	34.4	34.8	33.3	34.0	33.7	34.4	34.9
8H	33.5	34.1	33.9	34.6	35.0	33.5	34.2	34.0	34.6	35.1
12H	33.6	34.2	34.1	34.6	35.1	33.7	34.2	34.2	34.7	35.2
12H 4H	32.5	33.4	33.0	33.8	34.2	32.6	33.4	33.0	33.8	34.2
6H	33.3	33.9	33.7	34.4	34.8	33.3	34.0	33.8	34.4	34.9
8H	33.6	34.1	34.0	34.6	35.1	33.6	34.2	34.1	34.6	35.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 3055 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.9)

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2016-04-23

$\gamma$  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:

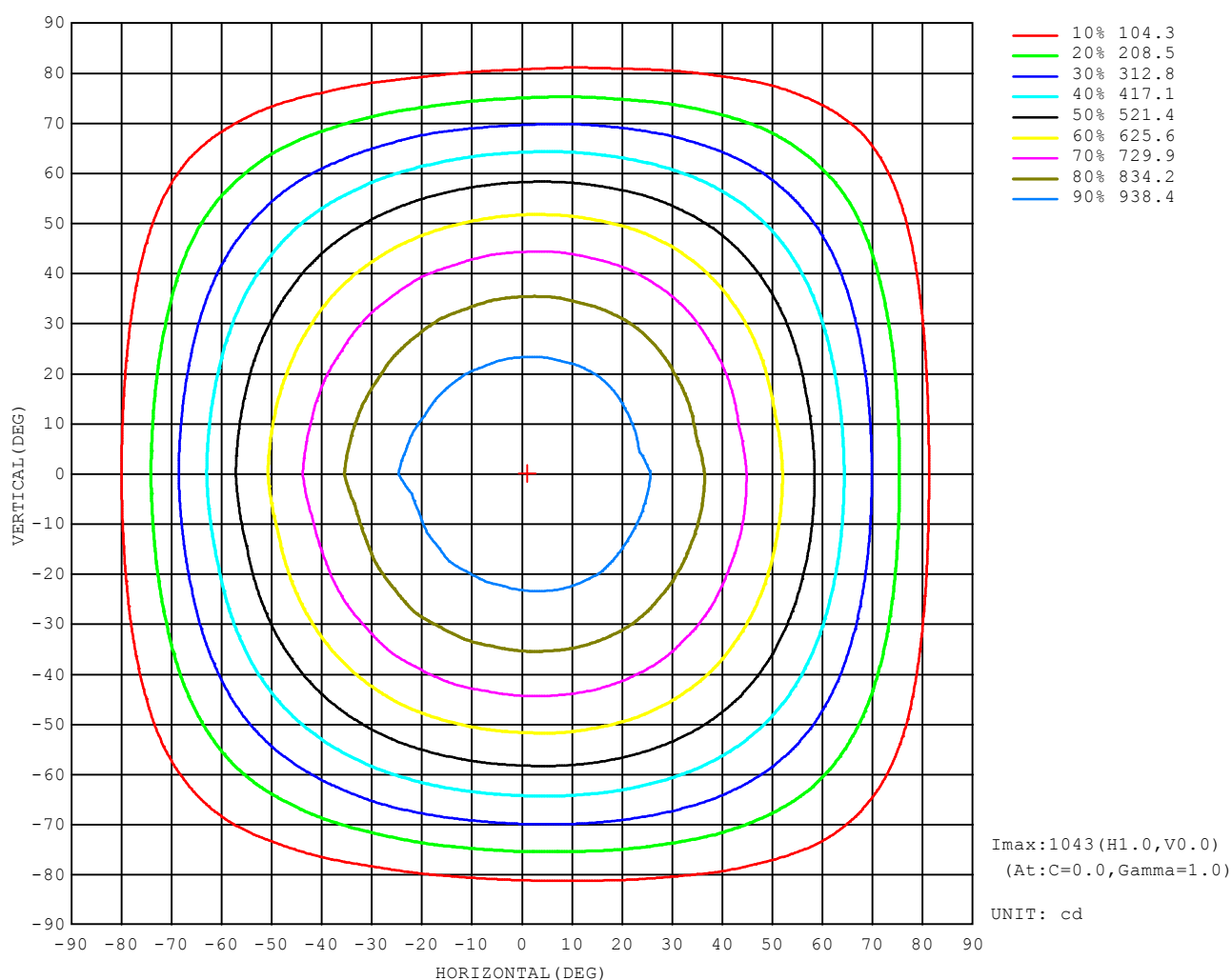
## UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	56	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	90	100	93	88	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	101	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2016-04-23

$\gamma$  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:

## ISOCANDELA DIAGRAM

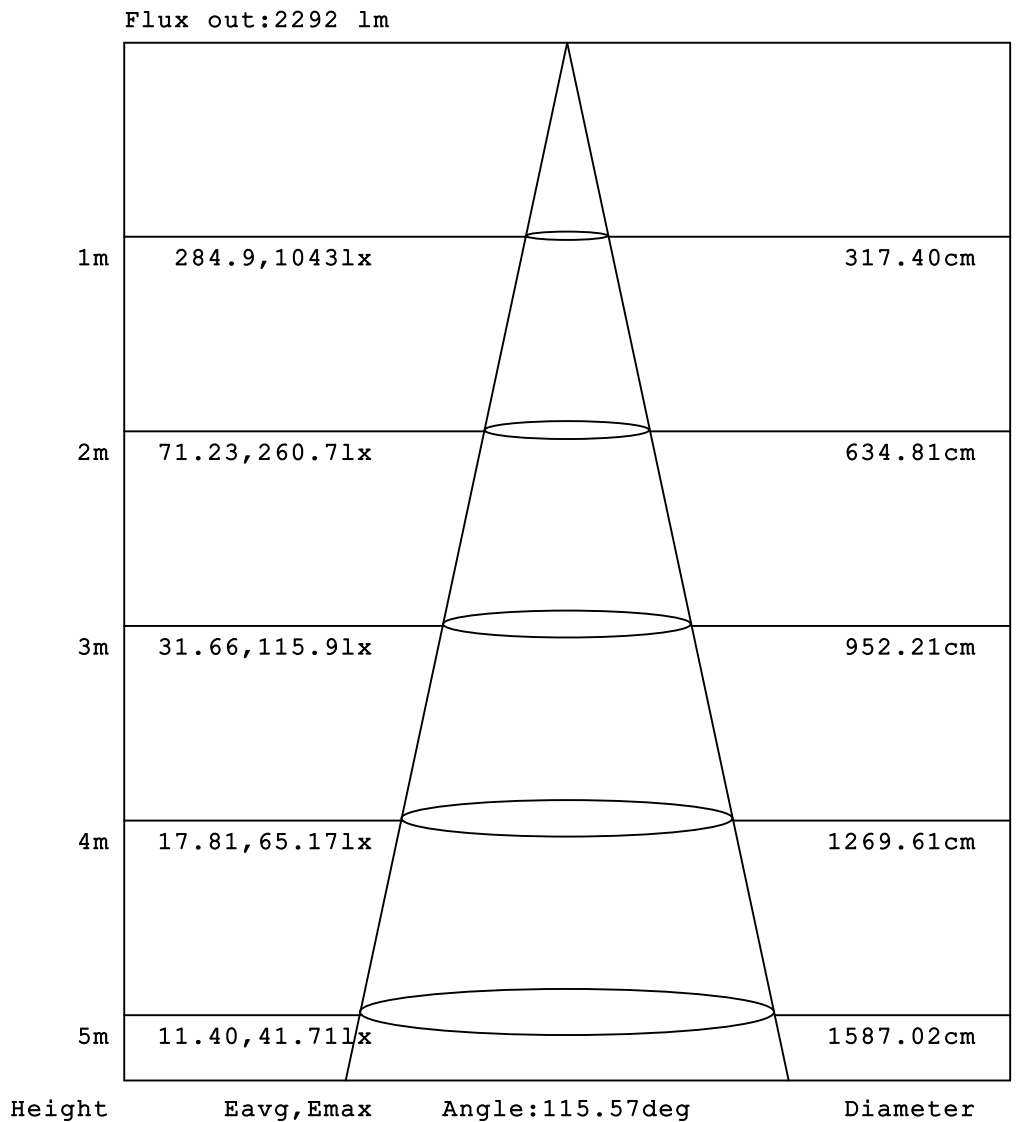


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-04-23

$\gamma$  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:



## AAI Figure

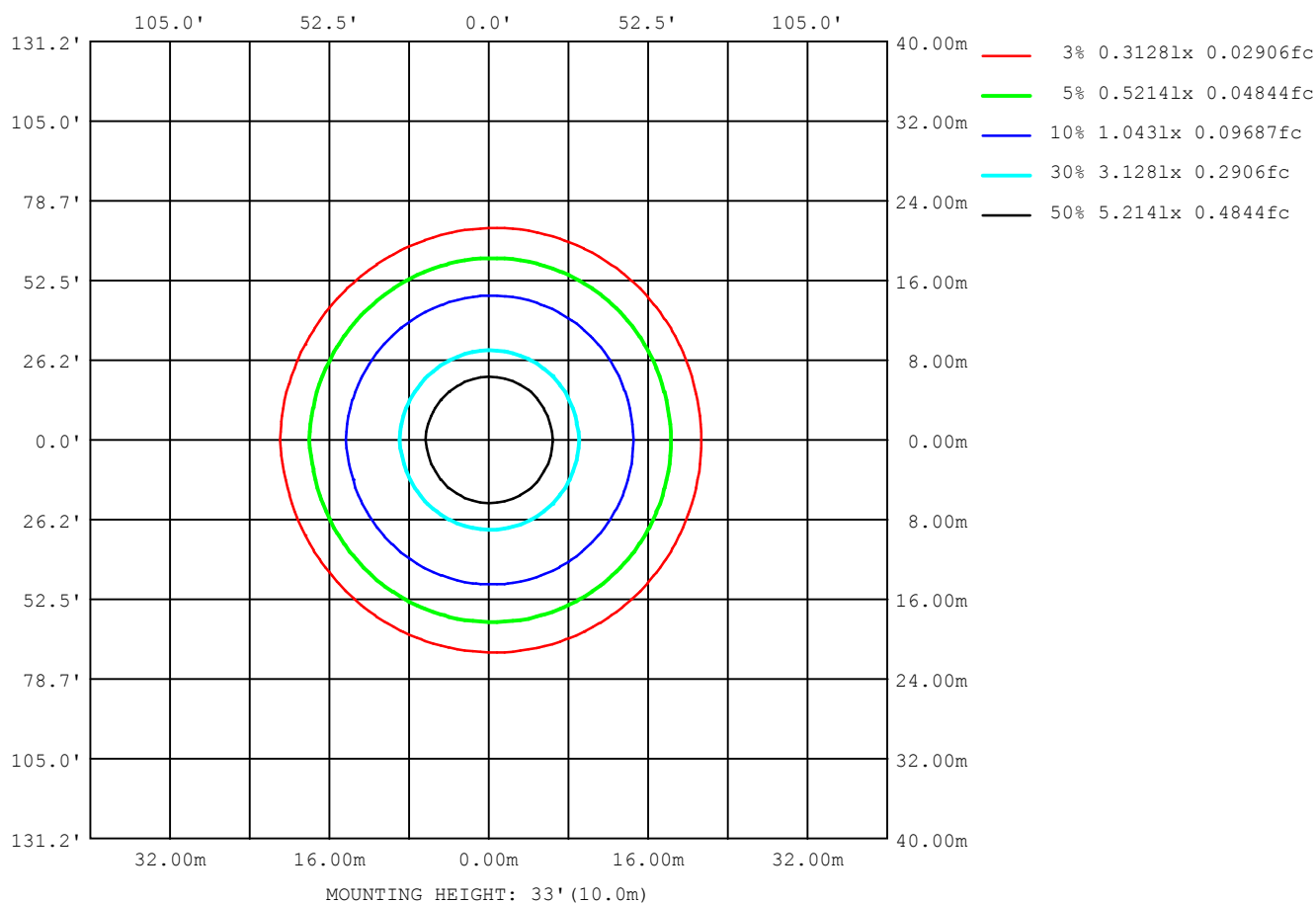


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-04-23

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: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2016-04-23

$\gamma$  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:

## LED Avg.L Report

Test:U:24.03V I:1.014A P:24.35W PF:1.000 Lamp Flux:3055.29x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 128ED WW	DIM.: 1000*12*1MM	SERIAL No.:2016042300
MFR.: Dilux	SUR.:1000*12mm	Shielding Angle:

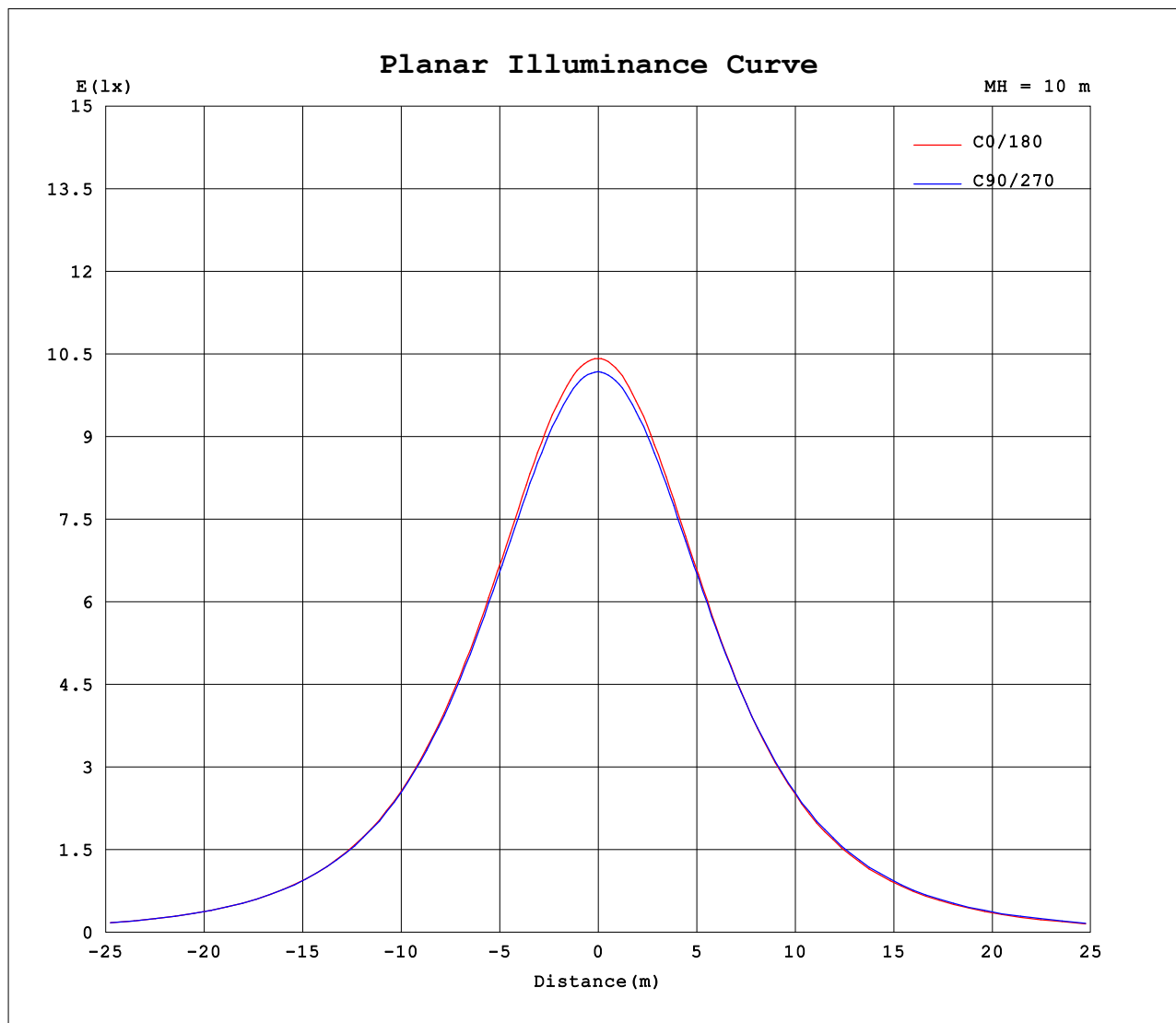
AvgL	cd/m2
L_0~180 (65) av	92939
L_0~180 (75) av	78587
L_0~180 (85) av	47290
L_90~270 (65) av	95299
L_90~270 (75) av	82091
L_90~270 (85) av	48737
L_45 (65) av	93186
L_45 (75) av	79372
L_45 (85) av	48399

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2016-04-23

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: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2016-04-23

$\gamma$  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	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1043	1036	1032	1027	1026	1026	1023	1021	1020	1018	1017	1018	1020	1023	1023	1023	1022	1024	1043
5	1039	1033	1029	1025	1024	1024	1021	1018	1017	1015	1013	1014	1015	1017	1017	1018	1016	1019	1038
10	1028	1022	1018	1014	1014	1014	1011	1008	1006	1004	1002	1002	1002	1004	1003	1004	1002	1005	1025
15	1007	1003	1000	996	996	997	993	991	988	985	983	982	982	984	982	983	981	984	1003
20	980	976	973	971	970	972	968	966	963	959	956	956	954	956	953	954	952	955	974
25	944	940	938	937	937	939	936	934	930	926	922	922	919	921	916	917	915	917	936
30	901	899	897	896	897	899	896	894	890	886	882	880	877	878	873	873	870	873	891
35	850	850	848	848	849	851	849	847	843	839	833	832	827	829	822	822	819	822	839
40	792	791	791	792	793	796	795	792	788	784	778	777	771	771	763	763	759	762	779
45	727	729	727	730	731	734	733	731	726	722	716	714	707	706	698	696	694	696	713
50	657	656	657	658	661	662	663	660	657	651	646	641	637	631	626	623	622	622	637
55	577	577	580	581	585	586	587	585	582	575	570	564	560	552	547	543	542	542	557
60	494	495	497	499	502	504	504	503	499	492	487	481	475	468	461	459	457	458	471
65	405	407	409	412	414	416	416	415	411	405	399	393	385	378	372	369	368	369	380
70	310	312	315	318	321	323	323	322	318	312	305	299	289	283	276	275	272	274	285
75	215	220	221	225	226	229	227	227	221	217	210	204	194	189	183	182	179	182	192
80	125	129	131	135	135	137	135	134	128	125	119	113	104	100	95.1	95.4	93.7	96.2	104
85	48.4	52.4	52.7	56.3	55.3	57.2	54.2	53.9	48.9	46.5	42.2	37.4	32.2	30.3	27.9	28.2	27.7	29.2	34.0
90	6.50	7.75	7.82	8.48	7.84	7.77	6.37	5.33	2.81	0.03	1.23	0.96	0.65	0.40	0.02	0.27	0.22	0.47	1.05
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	0.05	0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
125	0.25	0.18	0.18	0.18	0.26	0.28	0.37	0.44	0.56	0.71	0.69	0.66	0.66	0.62	0.58	0.49	0.43	0.34	0.64
130	0.92	0.86	0.87	0.87	0.92	0.94	1.01	1.09	1.21	1.37	1.36	1.30	1.31	1.27	1.24	1.16	1.10	1.02	1.30
135	1.58	1.53	1.54	1.54	1.58	1.60	1.66	1.73	1.85	2.02	2.03	1.94	1.95	1.92	1.87	1.80	1.74	1.66	1.94
140	2.22	2.20	2.21	2.19	2.23	2.23	2.29	2.35	2.46	2.63	2.65	2.55	2.55	2.51	2.47	2.40	2.35	2.27	2.55
145	2.84	2.86	2.86	2.82	2.84	2.84	2.88	2.94	3.04	3.20	3.24	3.13	3.10	3.07	3.03	2.97	2.92	2.85	3.14
150	3.44	3.49	3.46	3.43	3.43	3.41	3.44	3.49	3.60	3.75	3.80	3.70	3.63	3.59	3.55	3.50	3.45	3.39	3.70
155	4.03	4.10	4.03	4.00	3.99	3.96	3.99	4.03	4.13	4.26	4.32	4.24	4.15	4.09	4.04	3.99	3.95	3.89	4.23
160	4.60	4.67	4.57	4.54	4.49	4.47	4.49	4.55	4.63	4.74	4.80	4.74	4.66	4.58	4.50	4.46	4.42	4.37	4.76
165	5.13	5.18	5.07	5.01	4.95	4.93	4.98	5.03	5.09	5.17	5.23	5.20	5.14	5.07	4.99	4.92	4.87	4.83	5.26
170	5.66	5.63	5.50	5.43	5.38	5.39	5.42	5.46	5.49	5.55	5.59	5.60	5.55	5.51	5.44	5.40	5.36	5.33	5.80
175	6.07	6.03	5.87	5.82	5.77	5.79	5.79	5.82	5.82	5.85	5.87	5.88	5.87	5.86	5.81	5.80	5.77	5.76	6.18
180	6.36	6.27	6.12	6.12	6.05	6.06	6.05	6.05	6.02	6.03	6.01	6.01	5.98	5.98	5.94	5.95	5.96	6.00	6.40

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2016-04-23

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)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	1036	1032	1027	1026	1026	1023	1021	1020	1018	1017	1018	1020	1023	1023	1023	1022	1024		
5	1031	1026	1021	1020	1020	1018	1016	1016	1015	1014	1015	1018	1020	1021	1021	1020	1021		
10	1017	1012	1007	1007	1006	1005	1003	1004	1004	1004	1005	1008	1010	1011	1010	1010	1010		
15	995	991	985	985	985	984	983	985	985	986	987	990	993	993	992	992	991		
20	966	962	956	956	956	957	956	958	959	961	962	965	968	968	966	965	965		
25	928	924	918	920	920	921	921	924	926	928	929	933	935	934	932	931	930		
30	883	879	874	876	876	879	879	883	885	888	889	893	896	894	891	891	888		
35	832	827	823	825	824	829	829	834	837	841	842	846	849	847	844	842	839		
40	771	767	763	766	766	772	772	779	782	787	788	792	793	792	788	786	782		
45	704	700	696	699	700	707	708	716	719	725	727	731	731	730	725	725	718		
50	632	626	624	625	628	633	638	643	650	654	658	661	661	659	656	653	649		
55	551	546	544	546	548	554	560	567	573	579	582	586	585	584	579	576	572		
60	464	461	458	461	463	469	476	483	490	497	500	503	503	502	498	495	489		
65	375	371	368	370	372	378	385	393	401	408	412	415	415	414	411	408	404		
70	279	276	272	275	276	283	288	298	304	314	318	321	322	322	319	316	312		
75	184	183	179	181	181	188	192	201	208	217	220	226	227	228	225	224	218		
80	98.7	96.3	92.5	93.1	92.7	97.5	101	109	116	124	128	133	135	137	136	135	131		
85	30.4	29.2	26.3	26.2	25.8	27.2	29.1	34.9	38.5	46.0	49.2	54.9	55.5	59.0	56.8	57.7	53.5		
90	0.37	0.37	0.01	0.00	0.01	0.00	0.01	0.00	0.02	1.78	4.23	6.97	7.98	9.63	9.35	9.76	8.15		
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		
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		
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		
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		
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		
120	0.00	0.04	0.10	0.15	0.21	0.24	0.24	0.22	0.27	0.11	0.01	0.00	0.00	0.00	0.00	0.00	0.00		
125	0.67	0.70	0.76	0.82	0.86	0.89	0.89	0.88	0.92	0.75	0.64	0.54	0.48	0.43	0.40	0.34	0.33		
130	1.34	1.36	1.42	1.46	1.50	1.52	1.52	1.54	1.56	1.38	1.27	1.16	1.11	1.03	1.04	1.00	1.00		
135	1.97	1.99	2.04	2.08	2.11	2.13	2.13	2.17	2.18	2.00	1.88	1.78	1.73	1.65	1.64	1.61	1.62		
140	2.56	2.59	2.63	2.67	2.69	2.71	2.71	2.78	2.77	2.59	2.48	2.37	2.34	2.26	2.25	2.22	2.22		
145	3.13	3.15	3.18	3.22	3.23	3.25	3.27	3.35	3.32	3.16	3.04	2.94	2.91	2.85	2.85	2.84	2.85		
150	3.66	3.68	3.69	3.73	3.74	3.77	3.83	3.90	3.85	3.70	3.58	3.49	3.46	3.41	3.42	3.41	3.43		
155	4.15	4.17	4.17	4.21	4.22	4.29	4.35	4.41	4.35	4.22	4.09	4.01	3.98	3.94	3.96	3.95	3.98		
160	4.61	4.62	4.62	4.66	4.69	4.78	4.83	4.87	4.80	4.70	4.59	4.50	4.47	4.43	4.46	4.45	4.51		
165	5.06	5.06	5.07	5.13	5.16	5.24	5.27	5.28	5.21	5.14	5.04	4.97	4.91	4.87	4.90	4.93	5.00		
170	5.54	5.54	5.53	5.58	5.58	5.65	5.64	5.63	5.57	5.52	5.44	5.39	5.34	5.29	5.31	5.35	5.41		
175	5.96	5.95	5.91	5.94	5.92	5.96	5.91	5.90	5.86	5.84	5.78	5.75	5.71	5.68	5.68	5.70	5.77		
180	6.20	6.13	6.07	6.07	6.05	6.05	6.04	6.04	6.03	6.03	6.00	6.00	5.98	5.96	5.95	5.96	6.01		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2016-04-23

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: