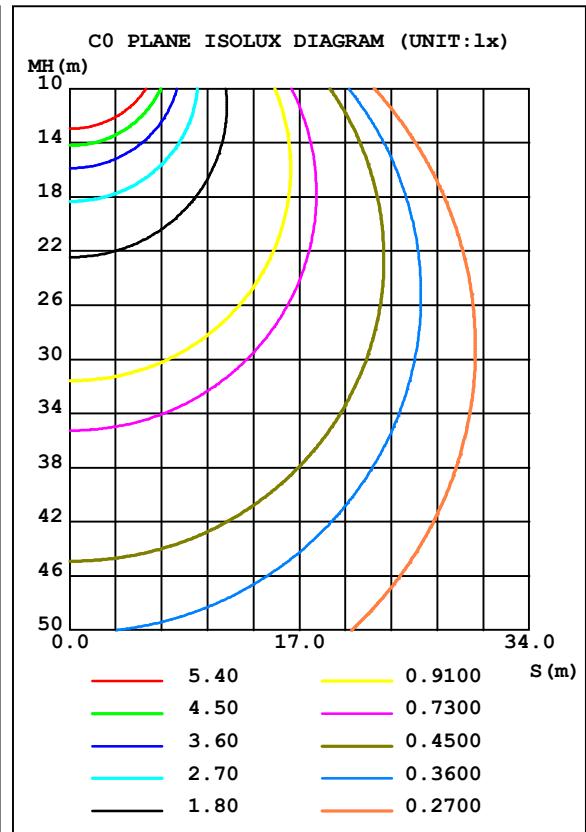
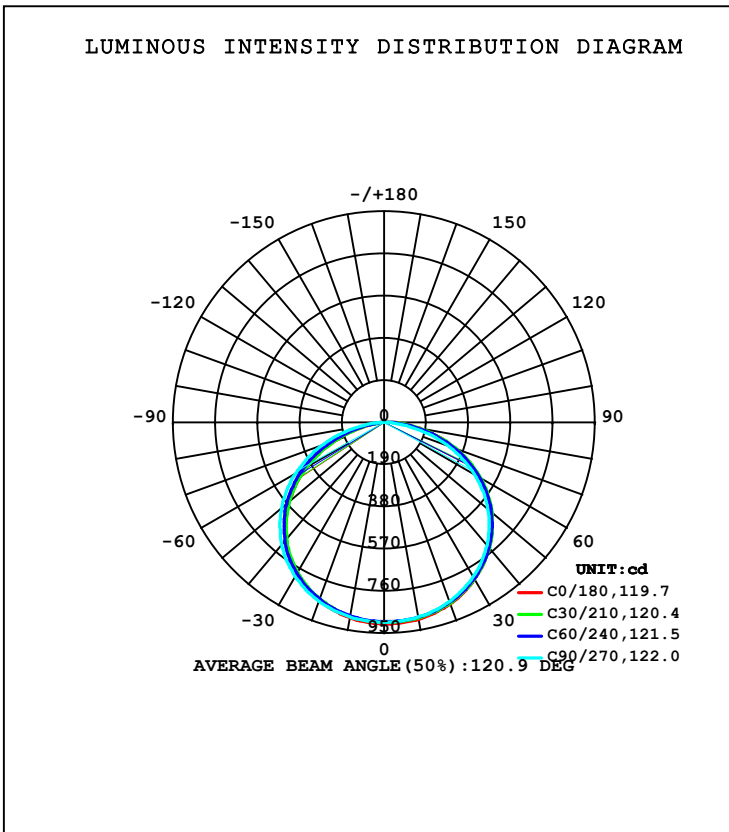


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:1.323A P:31.74W PF:1.000 Lamp Flux:2819.35x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 240LED WW	DIM.: 1000*10*1MM	SERIAL No.:2016041800
MFR.:	SUR.:1000*10mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.83 lm/W			
MODEL:2835 240LED WW	2835 240LED WW	Imax (cd)	909.8	S/MH (C0/180)	1.29
NOMINAL POWER (W)	31.4	LOR (%)	100.0	S/MH (C90/270)	1.32
RATED VOLTAGE (V)	DC 24	TOTAL FLUX (lm)	2819.4	η UP, DN (C0-180)	0.1, 50.2
NOMINAL FLUX (lm)	2819.35	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 49.5
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	24	η down (%)	99.8	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2016-04-18

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

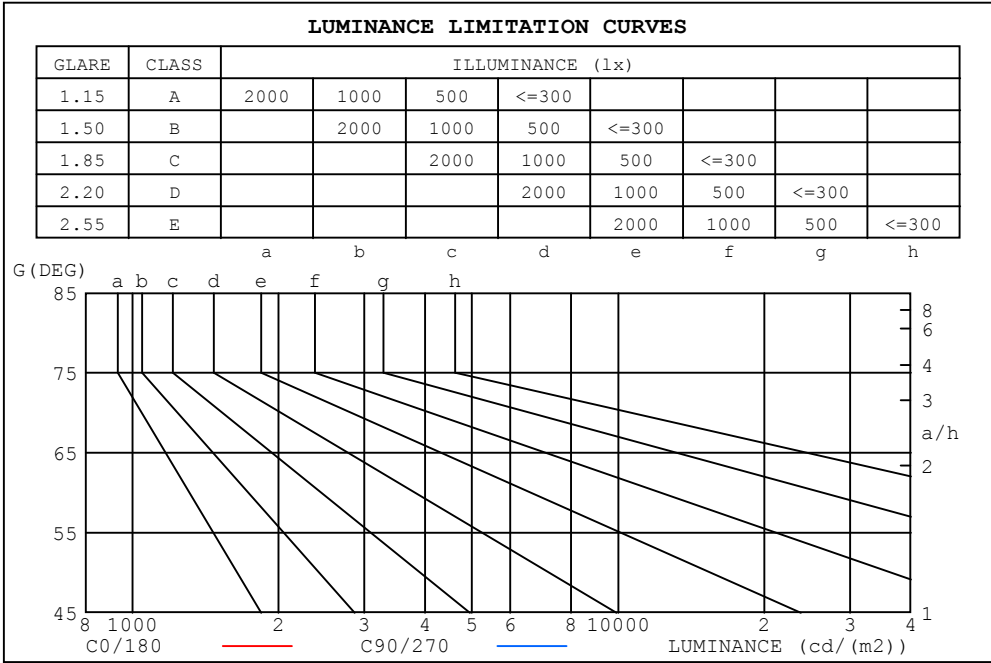
ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	900.4	894.6	890.6	892.6	893.4	885.9	889.9	899.8	0- 10	85.69	85.69	3.04,3.04
20	870.7	867.5	859.3	854.8	853.3	847.2	857.9	871.6	10- 20	248.4	334.1	11.8,11.8
30	816.8	816.4	804.1	790.3	785.8	782.1	801.7	818.6	20- 30	384.6	718.6	25.5,25.5
40	737.2	740.0	722.2	695.9	685.7	688.4	718.7	739.8	30- 40	477.1	1196	42.4,42.4
50	631.8	634.4	611.6	571.6	558.9	564.2	604.2	634.7	40- 50	510.6	1706	60.5,60.5
60	497.8	501.9	470.5	416.7	400.8	408.7	461.5	500.0	50- 60	475.7	2182	77.4,77.4
70	338.7	342.4	300.8	237.1	219.8	228.3	290.9	338.2	60- 70	370.0	2552	90.5,90.5
80	164.9	166.4	119.7	63.61	50.95	56.61	110.4	158.7	70- 80	208.2	2760	97.9,97.9
90	20.74	20.02	0.0466	0	0	0	0	16.29	80- 90	52.67	2813	99.8,99.8
100	0	0	0	0	0	0	0	0	90-100	1.124	2814	99.8,99.8
110	0	0	0	0	0	0	0	0	100-110	0	2814	99.8,99.8
120	0	0	0	0	0	0	0	0	110-120	0.0000	2814	99.8,99.8
130	0	0.0917	0.7360	0.8686	0.8667	1.033	0.9040	0.3229	120-130	0.1800	2814	99.8,99.8
140	1.118	1.255	1.860	1.921	1.903	2.041	1.975	1.444	130-140	0.8760	2815	99.8,99.8
150	2.239	2.349	2.865	2.844	2.824	2.909	2.926	2.494	140-150	1.368	2816	99.9,99.9
160	3.303	3.326	3.730	3.674	3.688	3.681	3.764	3.425	150-160	1.442	2818	99.9,99.9
170	4.294	4.160	4.426	4.466	4.523	4.426	4.438	4.225	160-170	1.117	2819	100,100
180	4.959	4.790	4.836	4.818	4.970	4.791	4.835	4.816	170-180	0.4357	2819	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:2016-04-18

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



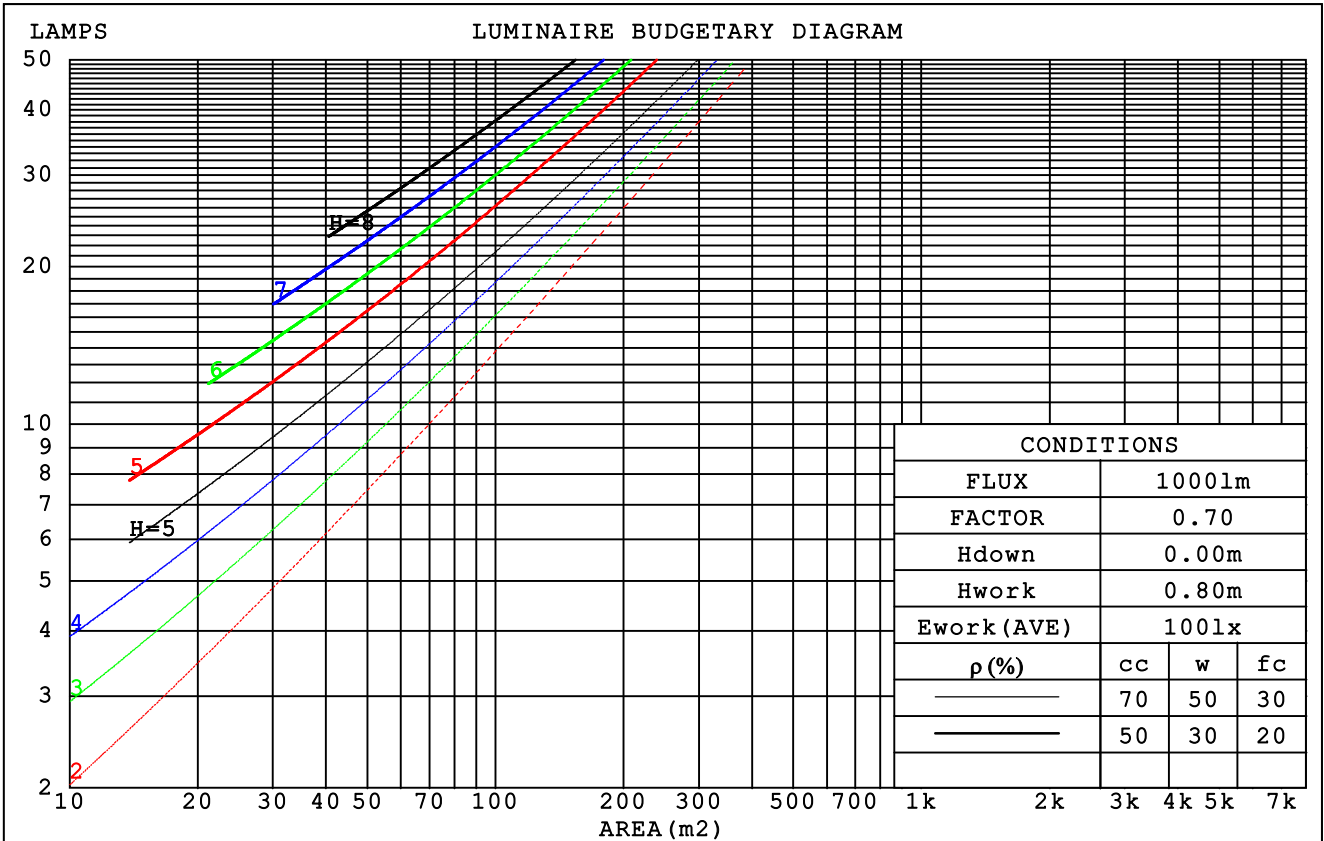
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	118240	61642
80	118699	86169
75	121642	101068
70	123771	109938
65	124770	115036
60	124457	117616
55	123683	118722
50	122860	118933
45	121546	118541

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2016-04-18

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

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	1.19	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	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.69
3.0	.79	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.64	.60	.57
4.0	.69	.60	.53	.68	.60	.53	.65	.58	.52	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.45	.58	.51	.45	.56	.50	.44	.54	.49	.44	.42
6.0	.55	.46	.40	.54	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.34	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.35	.30	.41	.35	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10.0	.39	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2016-04-18

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

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						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.315	.179	.057	.308	.176	.056	.295	.169	.054	.282	.163	.052	.271	.157	.051	
2.0	.297	.163	.050	.291	.160	.049	.279	.155	.048	.268	.150	.047	.258	.146	.046	
3.0	.275	.146	.044	.269	.144	.043	.259	.140	.043	.249	.136	.042	.240	.133	.041	
4.0	.253	.132	.039	.248	.130	.038	.239	.127	.038	.230	.124	.037	.222	.121	.037	
5.0	.234	.119	.035	.230	.118	.034	.221	.115	.034	.214	.113	.034	.206	.110	.033	
6.0	.217	.109	.031	.213	.108	.031	.206	.105	.031	.199	.103	.030	.192	.101	.030	
7.0	.202	.100	.028	.198	.099	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027	
8.0	.188	.092	.026	.185	.091	.026	.179	.089	.026	.173	.088	.025	.168	.086	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.154	.076	.022	.149	.075	.022	

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						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0																
1.0	.182	.158	.136	.156	.135	.117	.107	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.175	.134	.099	.150	.115	.086	.103	.080	.060	.059	.046	.035	.019	.015	.011	
3.0	.167	.116	.075	.143	.100	.065	.098	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.160	.103	.059	.137	.089	.052	.094	.062	.036	.055	.036	.022	.018	.012	.007	
5.0	.152	.093	.048	.131	.080	.042	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.145	.084	.041	.125	.073	.035	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.077	.035	.119	.067	.030	.082	.047	.021	.048	.028	.013	.015	.009	.004	
8.0	.132	.072	.030	.113	.062	.026	.078	.044	.019	.046	.026	.011	.015	.008	.004	
9.0	.126	.067	.027	.108	.058	.023	.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: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-04-18

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	30.0	31.6	30.3	31.8	32.0	29.9	31.4	30.2	31.6	31.9
3H	31.9	33.3	32.2	33.5	33.8	31.6	33.0	31.9	33.2	33.5
4H	32.6	34.0	33.0	34.3	34.5	32.2	33.6	32.5	33.8	34.1
6H	33.3	34.5	33.6	34.8	35.1	32.7	33.9	33.0	34.2	34.5
8H	33.5	34.7	33.8	35.0	35.3	32.8	34.0	33.1	34.3	34.6
12H	33.7	34.9	34.0	35.2	35.5	32.8	34.0	33.2	34.3	34.6
4H 2H	30.8	32.1	31.1	32.4	32.6	30.6	32.0	31.0	32.3	32.5
3H	32.8	34.0	33.1	34.3	34.6	32.5	33.7	32.9	34.0	34.3
4H	33.7	34.8	34.1	35.1	35.4	33.3	34.4	33.7	34.7	35.1
6H	34.5	35.4	34.9	35.8	36.2	33.9	34.9	34.3	35.2	35.6
8H	34.8	35.7	35.2	36.0	36.4	34.1	35.0	34.5	35.3	35.7
12H	35.0	35.8	35.4	36.2	36.6	34.2	35.0	34.6	35.4	35.8
8H 4H	34.0	34.9	34.5	35.3	35.7	33.7	34.6	34.1	35.0	35.4
6H	35.0	35.7	35.4	36.2	36.6	34.5	35.2	34.9	35.6	36.1
8H	35.4	36.1	35.9	36.5	37.0	34.7	35.4	35.2	35.8	36.3
12H	35.8	36.3	36.2	36.8	37.3	34.9	35.5	35.4	35.9	36.4
12H 4H	34.1	34.9	34.5	35.3	35.7	33.7	34.6	34.2	35.0	35.4
6H	35.1	35.7	35.5	36.2	36.6	34.6	35.3	35.1	35.7	36.1
8H	35.5	36.1	36.0	36.6	37.1	34.9	35.5	35.4	35.9	36.4
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 / - 0.4				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.5				

CIE Pub.117 Corrected 2819 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.6)

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 5.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Temperature:25.3DEG	Humidity:65.0%
Operators:DAMIN	Test Distance:4.950m [K=1.0000]
Test Date:2016-04-18	Remarks:

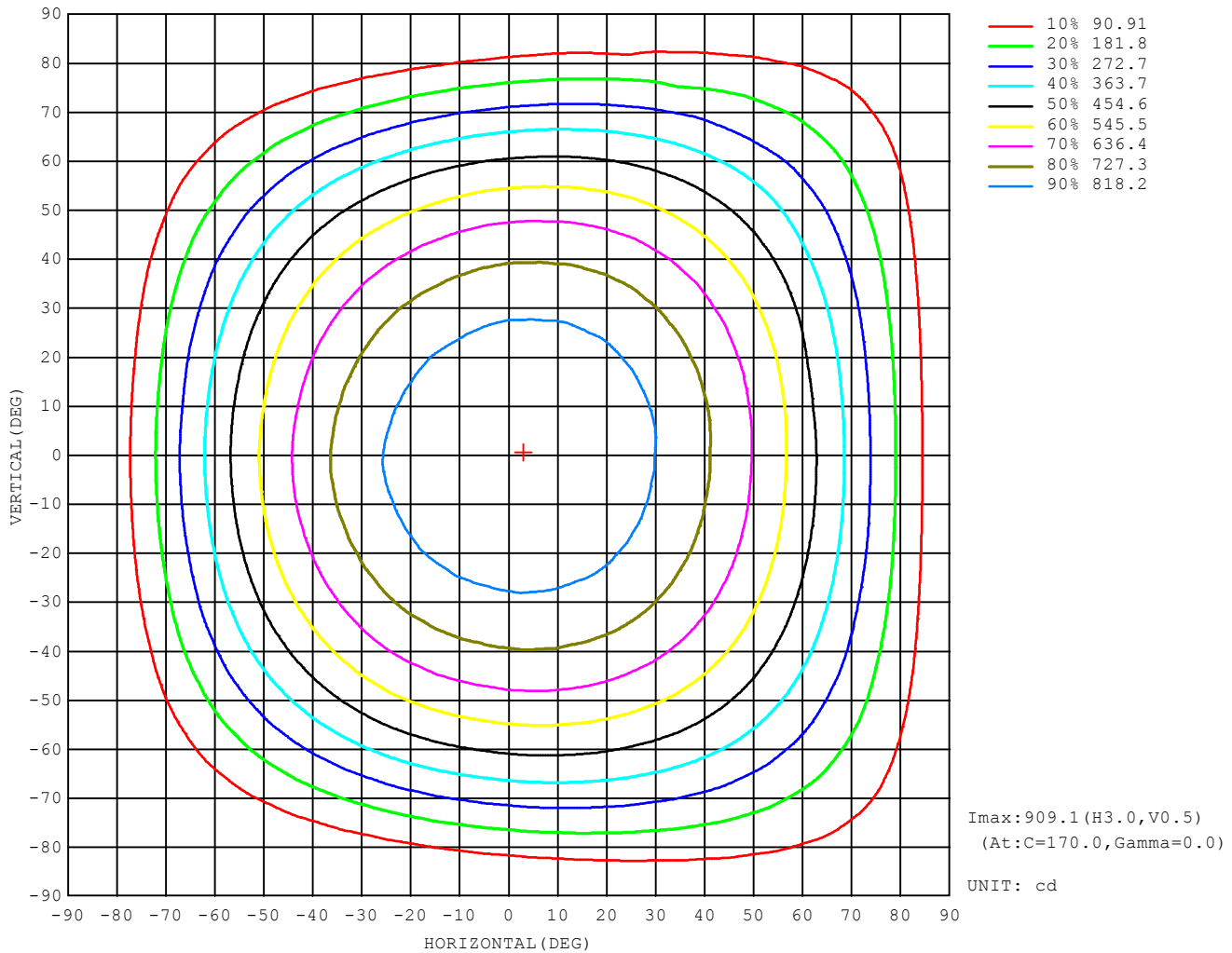
UTILIZATION FACTORS TABLE

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	44	37	30
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	74	63	56	71	64	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	61
2.00	94	85	79	92	84	78	89	82	77	69
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	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
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: 2016-04-18

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:

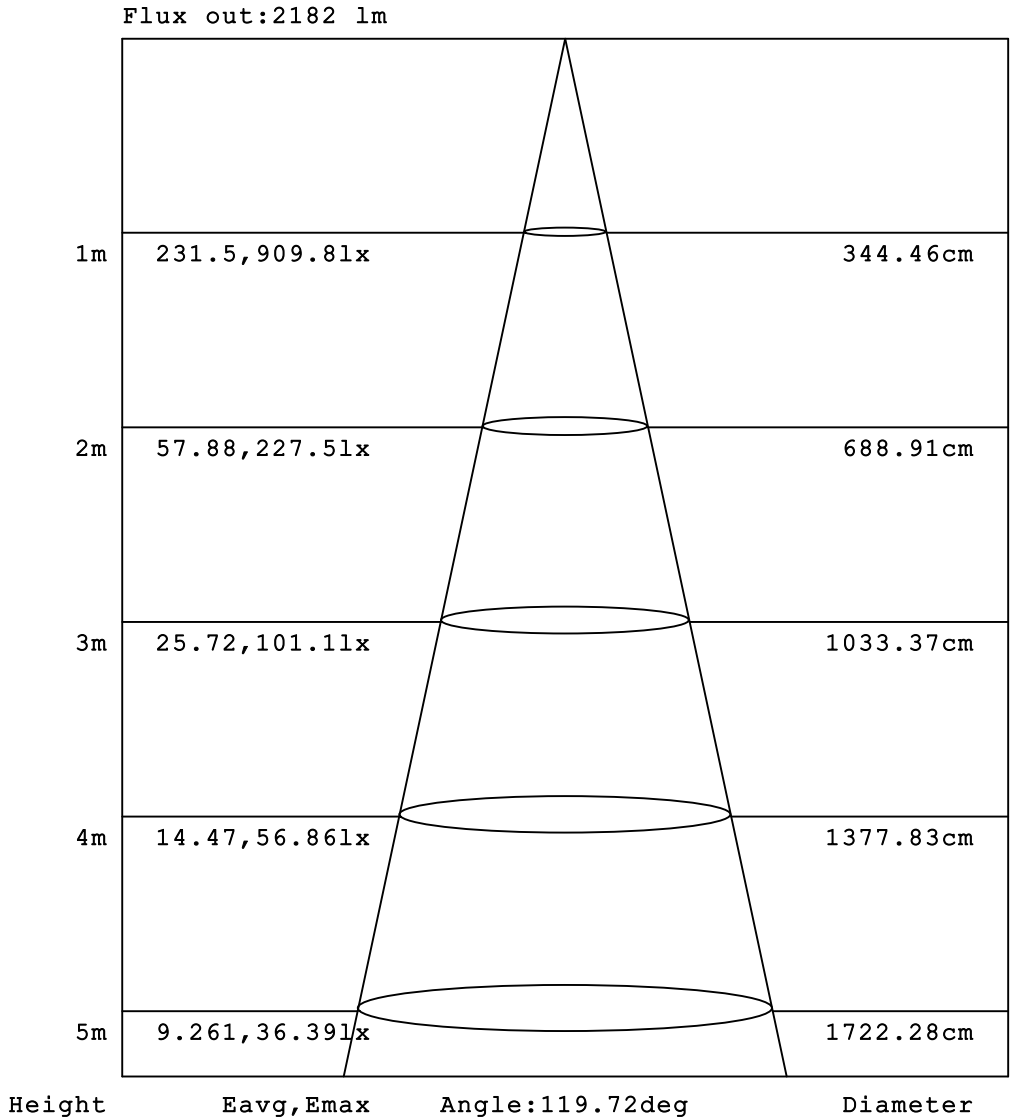
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-04-18

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

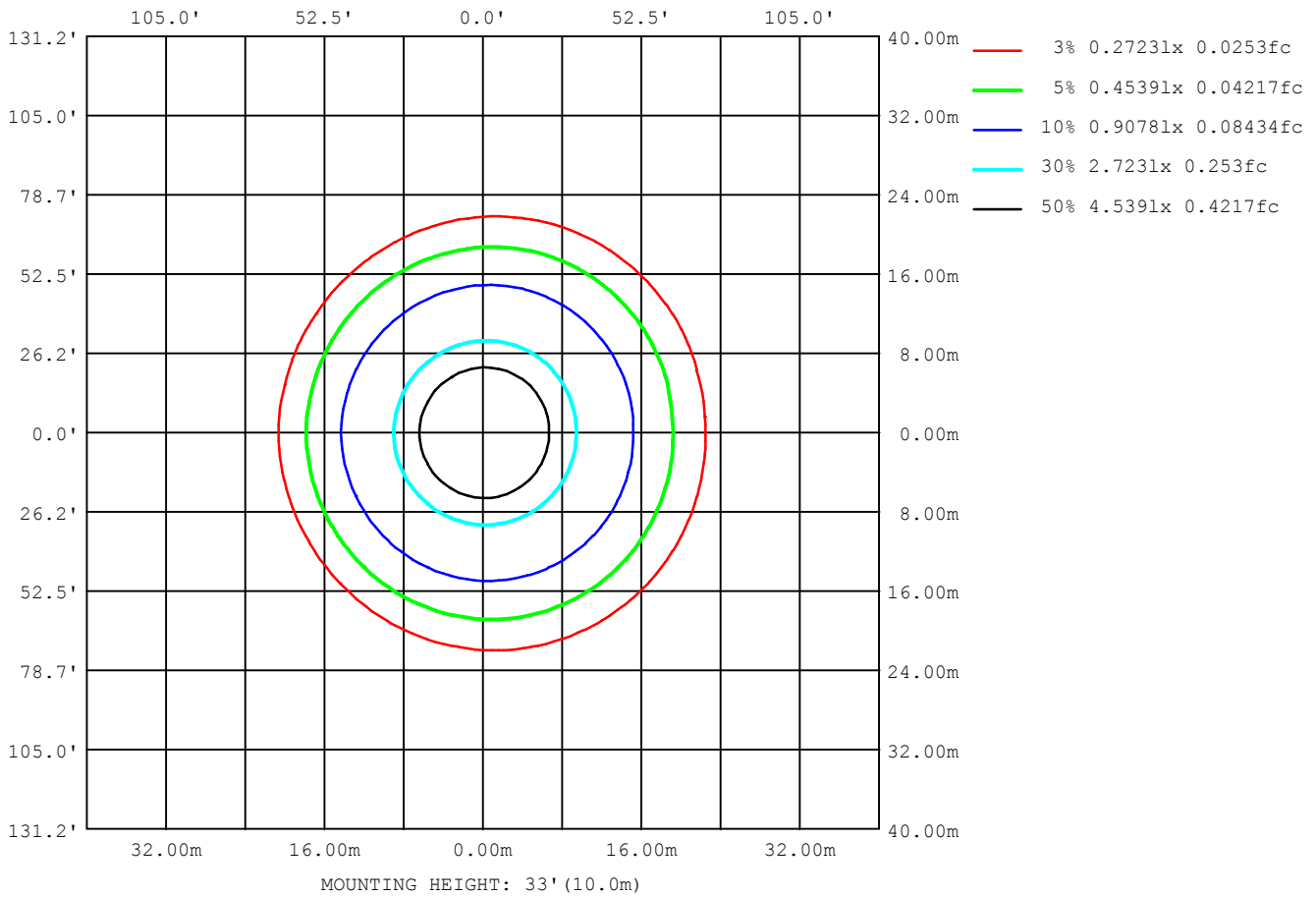


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-04-18

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: 2016-04-18

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:24.00V I:1.323A P:31.74W PF:1.000 Lamp Flux:2819.35x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 240LED WW	DIM.: 1000*10*1MM	SERIAL No.:2016041800
MFR.:	SUR.:1000*10mm	Shielding Angle:

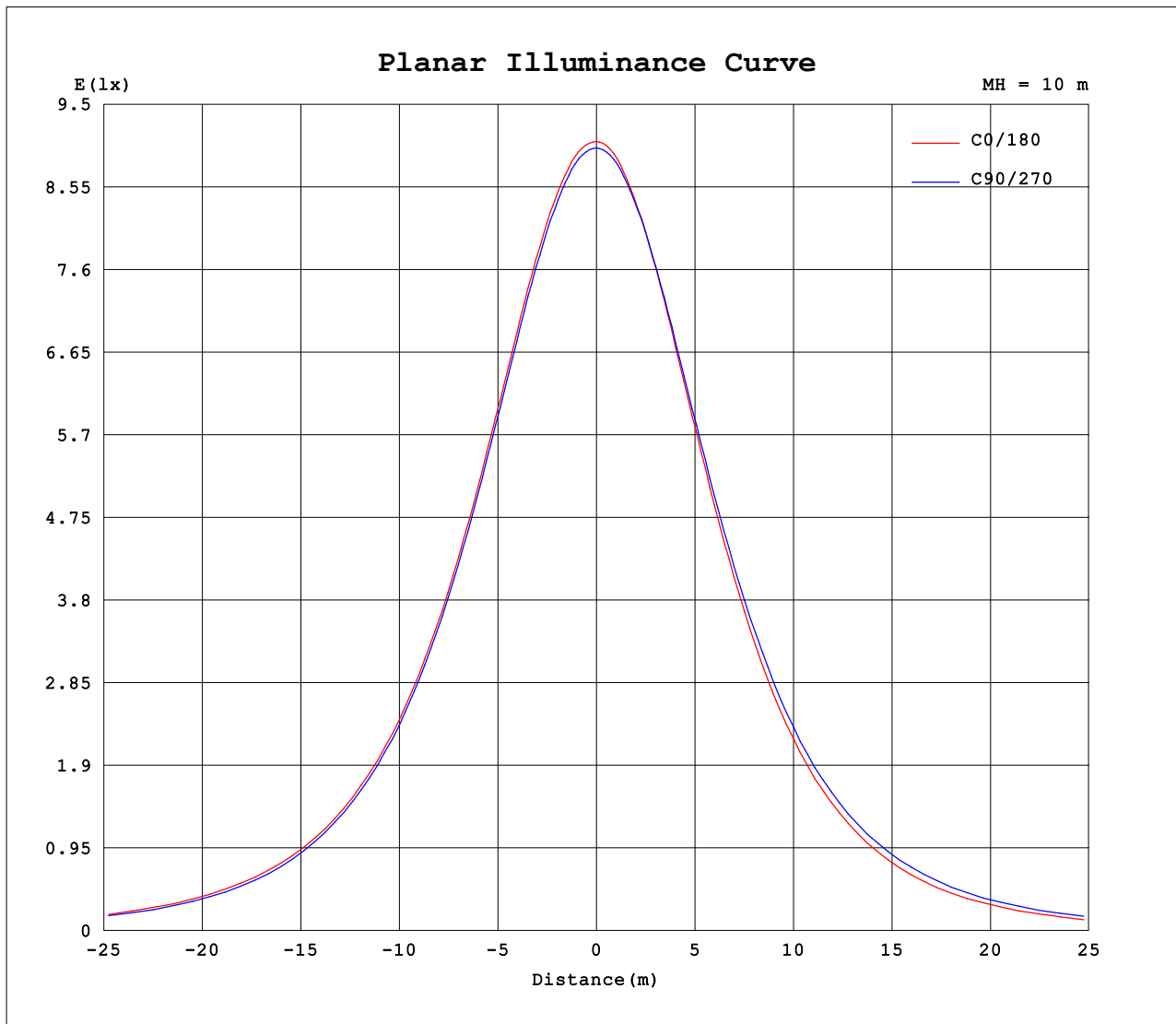
AvgL	cd/m2
L_0~180 (65) av	108636
L_0~180 (75) av	92226
L_0~180 (85) av	60899
L_90~270 (65) av	113585
L_90~270 (75) av	98708
L_90~270 (85) av	56827
L_45 (65) av	110840
L_45 (75) av	94137
L_45 (85) av	62133

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-04-18

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: 2016-04-18

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	908	907	905	904	903	902	901	900	901	901	902	899	898	898	899	899	899	901	900
5	906	905	903	902	902	901	900	899	899	900	900	898	896	897	897	897	897	899	898
10	900	900	898	897	897	896	895	895	894	895	895	893	891	891	891	891	891	892	891
15	888	888	886	886	885	885	884	884	884	884	884	882	880	880	880	880	879	880	878
20	871	871	869	869	868	868	867	867	867	867	868	866	864	863	863	862	861	862	859
25	847	847	845	846	845	846	845	845	845	845	845	844	841	840	840	839	838	838	835
30	817	818	816	817	816	817	816	816	816	816	816	815	813	812	811	810	808	807	804
35	781	782	780	781	781	782	781	782	781	782	781	780	778	777	775	774	771	771	767
40	737	738	737	738	738	740	739	740	739	740	739	738	736	735	732	732	728	727	722
45	688	688	688	688	690	690	691	690	691	690	691	688	688	684	683	680	678	673	671
50	632	632	633	632	634	634	635	635	636	634	635	632	631	629	626	623	620	615	612
55	568	568	569	569	571	571	573	572	573	572	572	569	568	565	562	558	555	550	545
60	498	499	500	501	502	502	503	503	503	502	502	498	496	493	491	485	482	476	470
65	422	423	424	425	426	427	427	427	427	426	424	421	418	415	411	406	401	396	389
70	339	340	341	342	344	344	345	344	344	342	340	337	334	330	326	321	315	309	301
75	252	256	255	258	257	259	257	258	255	255	252	249	244	241	235	230	223	218	209
80	165	168	168	171	170	172	169	170	167	166	162	160	154	151	144	140	133	128	120
85	82.4	85.0	85.2	87.3	86.7	88.0	86.4	86.9	84.0	83.2	79.0	77.0	71.5	68.6	62.6	59.7	53.1	49.4	43.0
90	20.7	22.0	22.5	23.2	23.5	23.6	23.3	22.7	21.5	20.0	17.3	16.0	12.9	11.2	7.87	6.19	3.40	1.75	0.05
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	0.00	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	0.03	0.15
130	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.07	0.09	0.15	0.17	0.24	0.28	0.37	0.43	0.52	0.61	0.74
135	0.54	0.52	0.53	0.54	0.57	0.57	0.60	0.61	0.65	0.68	0.73	0.75	0.81	0.86	0.94	1.00	1.10	1.19	1.32
140	1.12	1.10	1.14	1.14	1.17	1.17	1.20	1.19	1.24	1.26	1.31	1.32	1.38	1.42	1.50	1.56	1.65	1.75	1.86
145	1.69	1.70	1.74	1.74	1.77	1.75	1.76	1.76	1.80	1.82	1.86	1.87	1.91	1.95	2.02	2.07	2.17	2.26	2.36
150	2.24	2.28	2.30	2.32	2.32	2.30	2.31	2.31	2.34	2.35	2.37	2.38	2.42	2.45	2.53	2.59	2.69	2.77	2.86
155	2.78	2.82	2.86	2.86	2.85	2.83	2.84	2.84	2.85	2.85	2.88	2.88	2.92	2.95	3.01	3.07	3.16	3.23	3.31
160	3.30	3.34	3.39	3.35	3.34	3.33	3.33	3.31	3.32	3.33	3.34	3.34	3.37	3.41	3.47	3.53	3.60	3.67	3.73
165	3.79	3.87	3.86	3.82	3.80	3.78	3.76	3.74	3.74	3.75	3.76	3.77	3.81	3.84	3.90	3.94	4.00	4.05	4.10
170	4.29	4.31	4.27	4.24	4.21	4.18	4.15	4.14	4.15	4.16	4.18	4.18	4.20	4.23	4.27	4.31	4.35	4.40	4.43
175	4.68	4.69	4.64	4.60	4.55	4.53	4.50	4.50	4.51	4.52	4.53	4.53	4.54	4.56	4.58	4.61	4.64	4.67	4.68
180	4.96	4.95	4.88	4.83	4.80	4.80	4.78	4.78	4.79	4.79	4.79	4.77	4.78	4.78	4.80	4.81	4.82	4.83	4.84

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-04-18

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	899	899	900	901	903	903	903	905	907	906	906	907	907	907	908	910	910	908	907
5	897	897	897	898	900	900	899	901	903	902	902	902	903	903	904	905	906	904	903
10	890	889	889	890	891	890	890	891	893	891	891	891	892	892	893	894	895	893	892
15	877	875	875	876	876	875	875	876	877	875	875	875	875	875	876	877	878	876	874
20	858	856	856	856	856	854	854	854	855	852	852	852	852	851	853	854	854	853	851
25	833	831	830	829	830	827	826	826	826	823	823	822	822	821	822	823	824	823	821
30	802	799	798	797	796	793	793	792	790	787	787	785	785	784	785	785	787	786	783
35	764	761	760	757	756	752	752	750	748	744	744	741	741	739	741	740	742	741	739
40	720	715	714	711	709	704	704	700	696	693	691	689	686	687	685	687	686	686	686
45	665	662	658	657	651	649	646	642	637	635	631	630	627	627	626	627	627	627	625
50	606	602	598	594	589	586	581	576	572	568	565	562	560	559	558	559	558	559	558
55	539	534	529	524	519	515	508	503	498	493	489	487	484	483	482	482	482	483	481
60	464	458	453	447	441	435	428	423	417	412	408	405	402	401	400	399	400	401	398
65	382	376	369	362	356	348	341	335	329	324	320	316	314	312	311	309	311	313	310
70	294	286	280	271	265	256	250	242	237	231	228	223	221	218	218	217	218	220	217
75	203	194	188	179	172	163	157	150	146	140	137	133	131	128	128	127	128	130	126
80	114	106	99.9	90.4	84.8	76.8	72.6	66.1	63.6	58.0	56.8	52.4	51.9	49.1	49.7	48.1	49.6	51.0	48.8
85	39.8	33.5	28.6	23.2	19.1	14.6	12.6	9.51	8.28	6.19	5.58	4.11	3.73	2.66	2.61	2.01	2.41	2.48	1.68
90	0.45	0.01	0.00	0.00	0.00	0.00	0.00	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	0.18	0.17	0.18	0.23	0.23	0.27	0.27	0.30	0.28	0.29	0.26	0.27	0.23	0.23	0.18	0.16	0.11	0.30	0.33
130	0.77	0.77	0.75	0.79	0.80	0.84	0.85	0.88	0.87	0.88	0.86	0.87	0.84	0.84	0.80	0.78	0.72	0.87	0.90
135	1.36	1.36	1.34	1.37	1.37	1.40	1.40	1.42	1.42	1.43	1.42	1.43	1.41	1.41	1.39	1.38	1.33	1.40	1.43
140	1.91	1.92	1.89	1.90	1.90	1.92	1.91	1.93	1.92	1.94	1.93	1.94	1.92	1.94	1.93	1.95	1.92	1.90	1.93
145	2.42	2.43	2.41	2.41	2.39	2.40	2.39	2.41	2.40	2.40	2.39	2.40	2.39	2.40	2.41	2.47	2.47	2.38	2.40
150	2.92	2.94	2.91	2.90	2.86	2.85	2.84	2.85	2.84	2.84	2.83	2.83	2.82	2.82	2.83	2.89	2.93	2.82	2.83
155	3.37	3.39	3.37	3.36	3.33	3.31	3.28	3.28	3.26	3.26	3.25	3.25	3.23	3.23	3.22	3.25	3.28	3.26	3.24
160	3.78	3.81	3.80	3.79	3.77	3.75	3.71	3.69	3.67	3.66	3.65	3.65	3.63	3.63	3.62	3.62	3.60	3.69	3.64
165	4.14	4.18	4.18	4.18	4.16	4.15	4.12	4.11	4.09	4.07	4.05	4.04	4.03	4.03	4.02	4.06	4.07	4.10	4.02
170	4.46	4.48	4.50	4.51	4.51	4.50	4.49	4.47	4.47	4.45	4.44	4.43	4.43	4.43	4.42	4.47	4.52	4.52	4.43
175	4.71	4.72	4.74	4.74	4.76	4.75	4.75	4.75	4.75	4.73	4.73	4.73	4.73	4.73	4.74	4.76	4.82	4.82	4.77
180	4.84	4.84	4.84	4.84	4.83	4.83	4.82	4.83	4.82	4.83	4.83	4.86	4.87	4.90	4.92	4.99	5.05	4.97	4.96

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-04-18

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	905	904	903	902	901	900	901	901	902	899	898	898	899	899	899	901	900	899	899
5	901	899	899	897	897	896	896	896	897	895	894	894	895	895	896	898	898	897	897
10	889	888	888	886	886	885	886	886	887	885	884	885	886	887	888	890	890	890	890
15	872	871	871	869	869	868	869	870	871	870	869	869	872	872	874	876	877	877	878
20	849	848	848	846	846	846	847	847	849	848	848	848	851	852	854	857	858	858	860
25	819	817	818	816	817	816	817	818	821	820	821	821	824	826	828	831	833	834	835
30	782	780	781	779	780	780	782	782	785	785	787	787	791	793	796	799	802	803	805
35	737	736	736	735	736	736	738	739	743	743	746	747	750	753	757	760	763	765	768
40	682	683	681	683	682	684	685	688	691	693	696	699	704	706	711	714	719	720	724
45	623	622	622	623	623	625	627	630	632	636	639	643	646	651	655	661	664	668	671
50	555	555	555	556	556	559	561	564	567	571	574	580	584	589	594	600	604	609	613
55	480	479	479	480	482	484	487	490	494	498	503	508	514	519	525	532	537	542	547
60	397	396	397	398	400	402	405	409	413	418	423	429	436	442	449	456	462	468	474
65	310	308	309	315	312	314	318	321	326	331	337	343	350	357	365	372	379	386	393
70	217	215	217	216	220	221	226	228	235	238	246	251	260	266	275	282	291	298	306
75	127	125	127	127	130	130	135	137	143	147	154	159	168	174	183	190	199	206	215
80	48.9	47.8	48.9	48.7	50.8	51.4	55.4	56.6	61.7	63.8	69.9	74.0	81.3	86.7	95.3	102	110	117	125
85	2.07	1.70	2.46	2.43	3.47	3.61	4.96	5.45	7.44	8.56	11.4	13.4	17.6	21.6	26.2	30.2	36.3	40.7	47.0
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	0.02	1.74
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	0.33	0.37	0.37	0.41	0.42	0.45	0.45	0.48	0.46	0.46	0.43	0.43	0.39	0.39	0.37	0.41	0.34	0.24	0.15
130	0.90	0.94	0.94	0.98	0.97	1.01	1.01	1.03	1.02	1.01	0.98	0.98	0.95	0.94	0.94	0.98	0.90	0.81	0.71
135	1.43	1.46	1.47	1.50	1.51	1.53	1.54	1.56	1.55	1.54	1.51	1.51	1.48	1.49	1.50	1.54	1.45	1.36	1.25
140	1.92	1.95	1.96	1.99	1.99	2.02	2.02	2.04	2.03	2.03	2.00	2.00	1.98	2.02	2.04	2.06	1.97	1.89	1.78
145	2.38	2.41	2.41	2.44	2.44	2.47	2.47	2.49	2.48	2.48	2.45	2.46	2.47	2.52	2.53	2.54	2.46	2.38	2.29
150	2.81	2.83	2.84	2.86	2.86	2.89	2.89	2.91	2.91	2.90	2.89	2.92	2.95	2.99	3.00	3.00	2.93	2.86	2.78
155	3.21	3.23	3.24	3.25	3.25	3.27	3.28	3.30	3.31	3.31	3.32	3.36	3.39	3.43	3.43	3.43	3.36	3.30	3.23
160	3.59	3.60	3.60	3.62	3.63	3.64	3.66	3.68	3.70	3.72	3.74	3.77	3.80	3.83	3.82	3.81	3.76	3.71	3.66
165	3.97	3.96	3.97	3.98	4.00	4.02	4.05	4.07	4.10	4.11	4.12	4.15	4.17	4.18	4.18	4.16	4.13	4.09	4.05
170	4.36	4.34	4.36	4.37	4.38	4.39	4.41	4.43	4.45	4.44	4.45	4.46	4.48	4.48	4.47	4.46	4.44	4.40	4.38
175	4.70	4.67	4.68	4.67	4.68	4.68	4.70	4.70	4.71	4.70	4.70	4.70	4.71	4.70	4.70	4.69	4.69	4.66	4.66
180	4.88	4.83	4.81	4.80	4.78	4.79	4.79	4.79	4.79	4.79	4.78	4.79	4.79	4.81	4.81	4.84	4.83	4.84	4.84

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-04-18

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	900	901	903	903	903	905	907	906	906	907	907	907	908	910	910				
5	898	900	901	902	901	903	905	905	905	905	906	906	907	908	908				
10	891	893	895	896	896	898	900	899	900	901	901	901	902	903	903				
15	879	882	884	884	885	887	889	888	889	889	890	890	890	892	891				
20	861	864	866	867	867	870	872	871	871	872	872	873	873	874	873				
25	837	841	843	844	844	848	848	848	848	849	849	849	849	851	849				
30	807	811	813	814	815	819	819	819	819	820	820	820	820	821	819				
35	770	775	777	779	780	784	783	784	784	785	784	785	784	785	783				
40	727	732	733	737	738	741	740	742	741	742	741	742	741	742	740				
45	677	680	683	685	689	689	691	692	692	692	692	692	692	692	690				
50	619	623	626	629	633	632	635	634	636	635	637	636	636	635	634				
55	553	557	561	566	567	569	571	571	573	573	573	573	573	571	570				
60	480	485	490	493	496	498	500	501	502	503	504	503	502	501	490				
65	399	405	410	414	417	420	423	424	426	427	428	427	422	420	420				
70	312	319	323	329	332	336	338	341	342	342	339	340	340	340	339				
75	220	228	232	239	242	244	241	246	251	254	254	256	254	255	253				
80	130	137	138	137	147	155	159	163	165	168	168	169	168	169	167				
85	38.9	52.6	59.2	66.0	68.6	74.3	76.4	80.9	81.8	84.9	84.6	87.0	85.5	86.4	84.5				
90	3.15	5.76	7.38	10.4	12.0	15.0	16.3	18.9	20.5	21.6	22.4	22.8	22.7	22.6	21.9				
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	0.09	0.00	0.00	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	0.64	0.56	0.51	0.44	0.40	0.34	0.32	0.27	0.27	0.23	0.24	0.21	0.23	0.22	0.30				
135	1.19	1.11	1.06	0.99	0.96	0.90	0.88	0.84	0.84	0.81	0.82	0.80	0.82	0.81	0.87				
140	1.73	1.65	1.60	1.53	1.51	1.46	1.44	1.40	1.40	1.37	1.40	1.38	1.40	1.39	1.44				
145	2.23	2.16	2.12	2.05	2.03	1.99	1.98	1.95	1.95	1.92	1.95	1.95	1.98	1.97	2.00				
150	2.71	2.65	2.61	2.56	2.53	2.50	2.49	2.47	2.48	2.46	2.48	2.49	2.53	2.53	2.56				
155	3.17	3.11	3.07	3.03	3.01	2.98	2.98	2.96	2.98	2.97	2.98	2.99	3.04	3.05	3.09				
160	3.61	3.56	3.51	3.47	3.45	3.43	3.43	3.41	3.44	3.44	3.47	3.46	3.51	3.55	3.59				
165	4.01	3.97	3.93	3.89	3.86	3.84	3.83	3.83	3.85	3.86	3.90	3.92	3.96	4.02	4.10				
170	4.35	4.33	4.30	4.28	4.25	4.24	4.22	4.22	4.23	4.24	4.27	4.31	4.36	4.41	4.51				
175	4.63	4.63	4.61	4.60	4.58	4.58	4.57	4.57	4.58	4.59	4.61	4.65	4.70	4.75	4.86				
180	4.83	4.84	4.83	4.83	4.82	4.82	4.82	4.82	4.84	4.85	4.87	4.89	4.93	4.98	5.08				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2016-04-18

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: