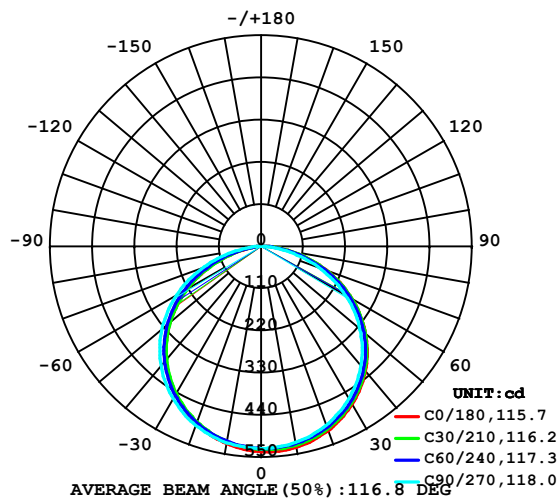


LUMINAIRE PHOTOMETRIC TEST REPORT

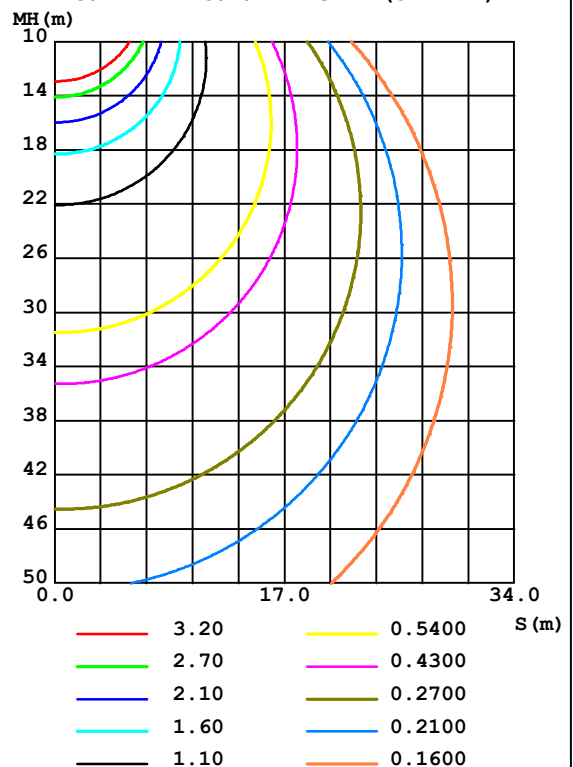
Test:U:24.00V I:0.8258A P:19.82W PF:0.9999 Lamp Flux:1578.97x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 180LED WW	DIM.: 1000*8*1MM	SERIAL No.:2016041803
MFR.: Dilux	SUR.:1000*8mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.66 lm/W			
MODEL:2835XX180B-24 (WCP) -HR		Imax(cd)	537.8	S/MH(C0/180)	1.24
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	DC 24	TOTAL FLUX(lm)	1579.0	η UP,DN(C0-180)	0.0,50.1
NOMINAL FLUX(lm)	1578.97	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	100.0	CIBSE SHR MAX	1.35

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: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

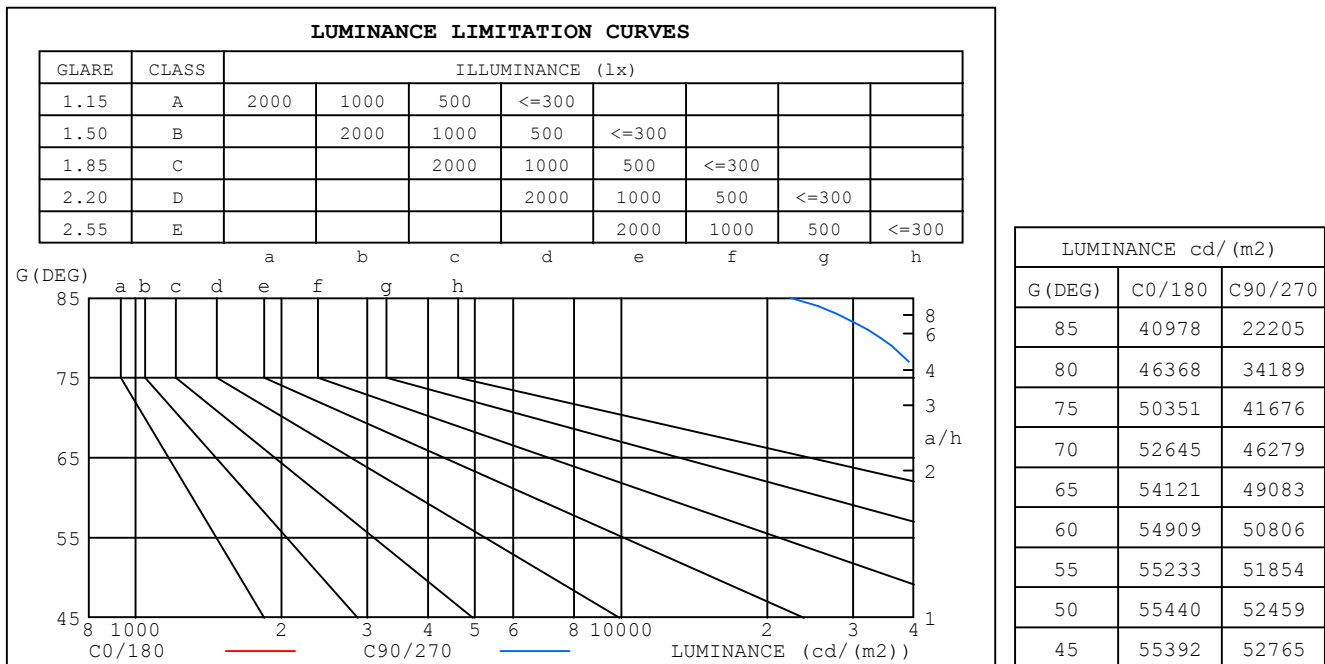
ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	531.8	524.8	519.4	521.6	522.1	515.9	519.7	530.8	0- 10	50.31	50.31	3.19,3.19
20	511.7	505.6	496.7	493.6	492.4	487.9	497.1	511.6	10- 20	144.9	195.2	12.4,12.4
30	475.6	470.6	458.7	449.8	446.8	444.4	459.4	476.0	20- 30	222.1	417.4	26.4,26.4
40	423.4	419.9	405.5	390.5	385.9	385.6	406.3	424.7	30- 40	272.0	689.3	43.7,43.7
50	356.4	354.2	337.2	316.8	310.9	312.4	338.2	358.5	40- 50	287.2	976.5	61.8,61.8
60	274.5	273.1	254.0	228.6	222.3	225.1	254.9	277.0	50- 60	263.6	1240	78.5,78.5
70	180.1	179.2	158.3	129.8	124.5	127.4	158.8	182.1	60- 70	201.9	1442	91.3,91.3
80	80.52	79.60	59.37	35.67	32.45	34.28	59.17	81.48	70- 80	111.4	1553	98.4,98.4
90	4.576	4.701	0	0	0	0	0	4.625	80- 90	25.35	1579	100,100
100	0	0	0	0	0	0	0	0	90-100	0.1482	1579	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1579	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1579	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1579	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1579	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1579	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1579	100,100
170	0	0	0	0.0002	0.0484	0	0	0	160-170	0.0000	1579	100,100
180	0.2941	0.1673	0.1886	0.2089	0.3058	0.1726	0.1812	0.2163	170-180	0.0060	1579	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

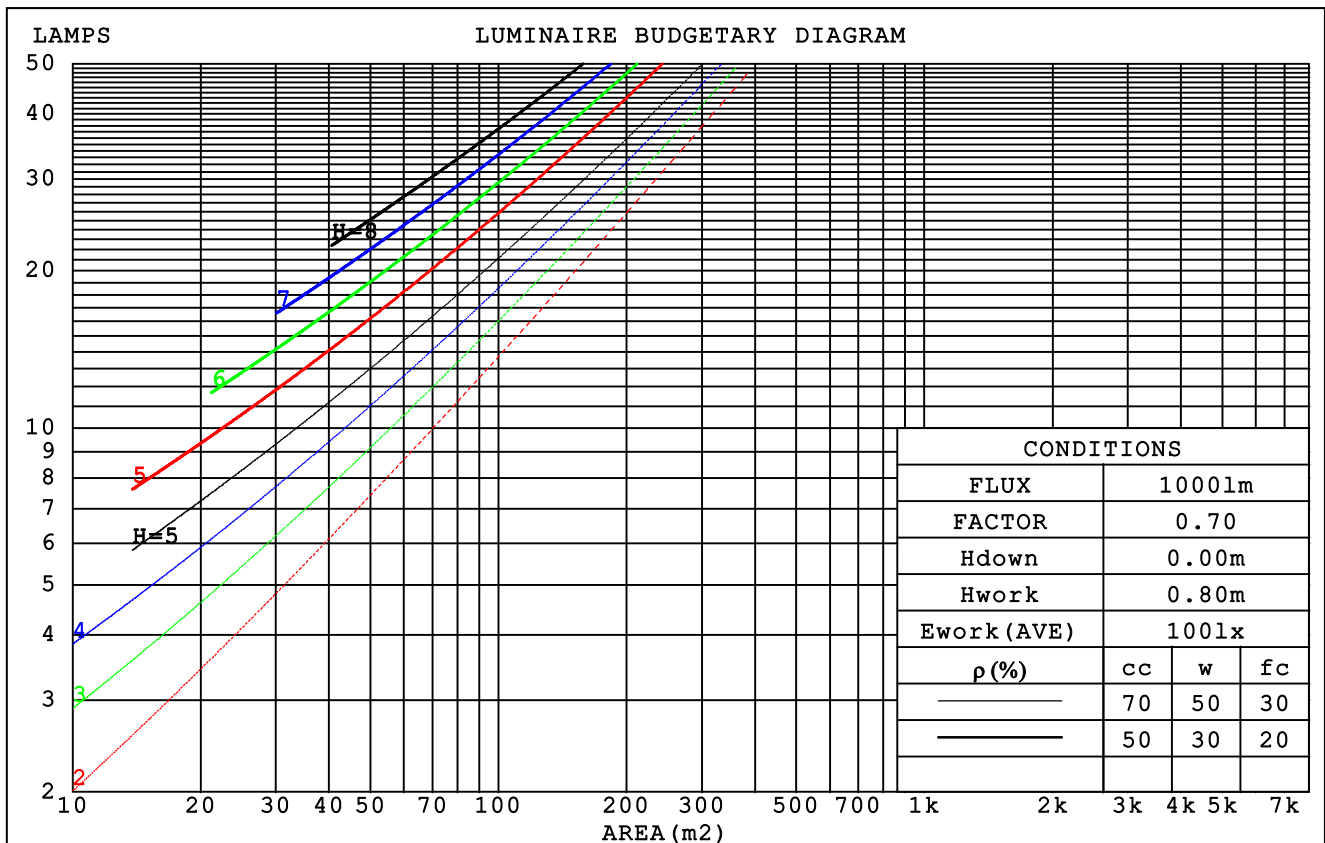


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2016-04-18

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	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.90	.83	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.40	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24



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	.309	.176	.056	.302	.172	.055	.289	.166	.053	.277	.160	.051	.266	.154	.050		
2.0	.293	.160	.049	.287	.158	.049	.275	.153	.047	.264	.148	.046	.254	.144	.045		
3.0	.271	.144	.043	.266	.142	.043	.256	.138	.042	.246	.135	.041	.237	.131	.041		
4.0	.251	.130	.038	.246	.129	.038	.237	.125	.037	.228	.122	.037	.220	.120	.036		
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.212	.112	.033	.205	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.191	.100	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.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	.149	.075	.021		

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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.134	.154	.134	.116	.106	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.011	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.053	.020	.070	.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: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	27.2	28.7	27.5	28.9	29.1	26.9	28.5	27.2	28.7	28.9
3H	28.9	30.3	29.2	30.6	30.8	28.5	29.9	28.8	30.2	30.4
4H	29.6	31.0	29.9	31.2	31.5	29.1	30.5	29.4	30.7	31.0
6H	30.1	31.4	30.5	31.7	32.0	29.5	30.8	29.8	31.0	31.3
8H	30.3	31.5	30.6	31.8	32.1	29.6	30.8	29.9	31.1	31.4
12H	30.4	31.6	30.8	31.9	32.2	29.6	30.8	30.0	31.1	31.4
4H 2H	27.9	29.2	28.2	29.5	29.7	27.7	29.0	28.0	29.3	29.5
3H	29.7	30.9	30.1	31.2	31.5	29.4	30.6	29.8	30.9	31.2
4H	30.6	31.7	31.0	32.0	32.3	30.2	31.2	30.5	31.6	31.9
6H	31.2	32.2	31.6	32.6	32.9	30.7	31.6	31.1	32.0	32.3
8H	31.5	32.4	31.9	32.7	33.1	30.8	31.7	31.2	32.1	32.4
12H	31.6	32.5	32.1	32.9	33.3	30.9	31.7	31.3	32.1	32.5
8H 4H	30.9	31.8	31.3	32.1	32.5	30.5	31.4	30.9	31.8	32.2
6H	31.7	32.4	32.2	32.9	33.3	31.2	31.9	31.6	32.3	32.7
8H	32.0	32.7	32.5	33.1	33.6	31.4	32.1	31.9	32.5	32.9
12H	32.3	32.9	32.8	33.3	33.8	31.5	32.1	32.0	32.5	33.0
12H 4H	30.9	31.7	31.3	32.1	32.5	30.5	31.4	31.0	31.7	32.1
6H	31.8	32.4	32.2	32.9	33.3	31.3	31.9	31.7	32.3	32.8
8H	32.1	32.7	32.6	33.2	33.6	31.5	32.1	32.0	32.5	33.0
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 / - 0.4				

CIE Pub.117 Corrected 1579 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.6)

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:

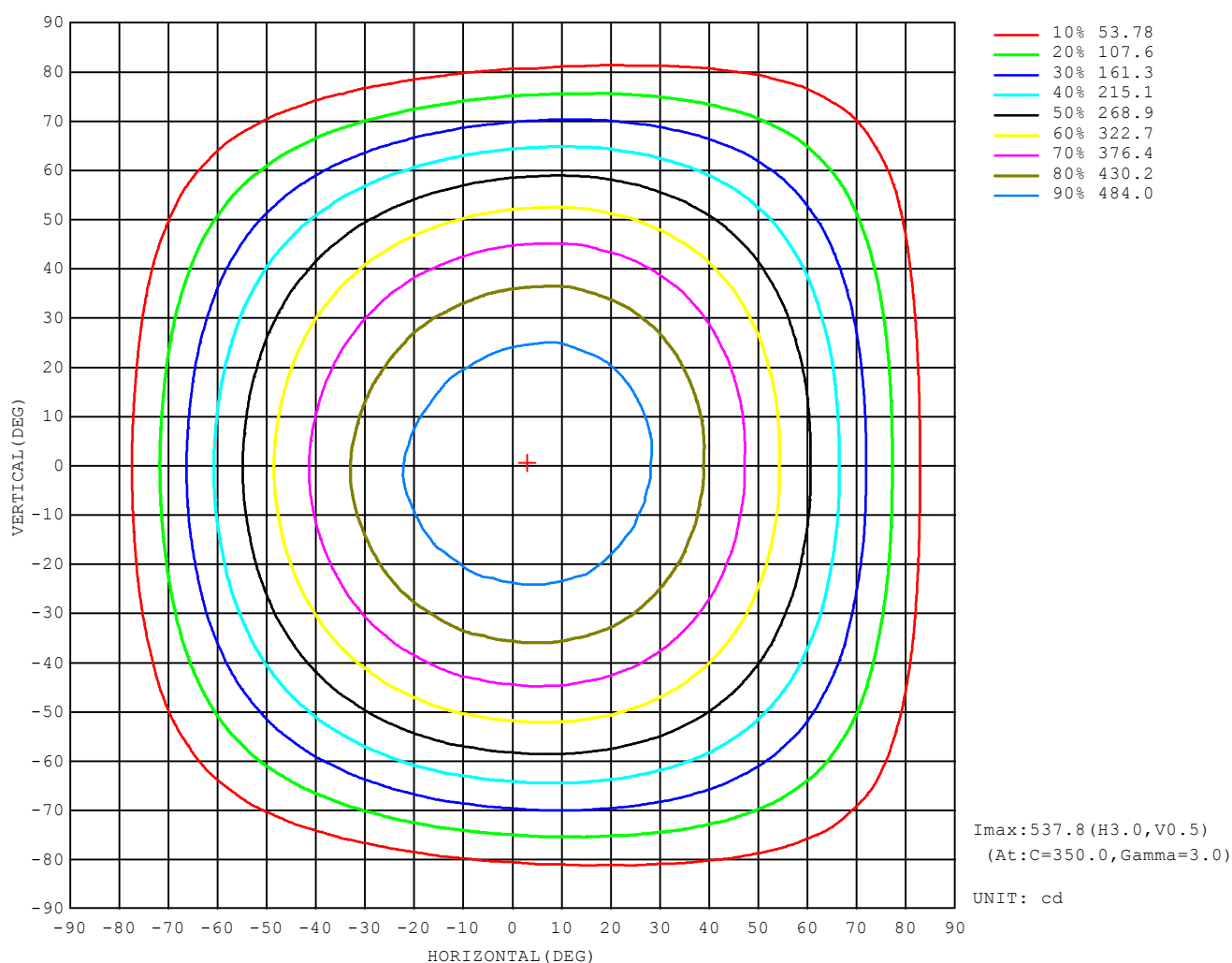
UTILIZATION FACTORS TABLE

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	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	101	96	104	99	94	100	95	92	83
5.00	109	104	100	106	102	98	102	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: 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:

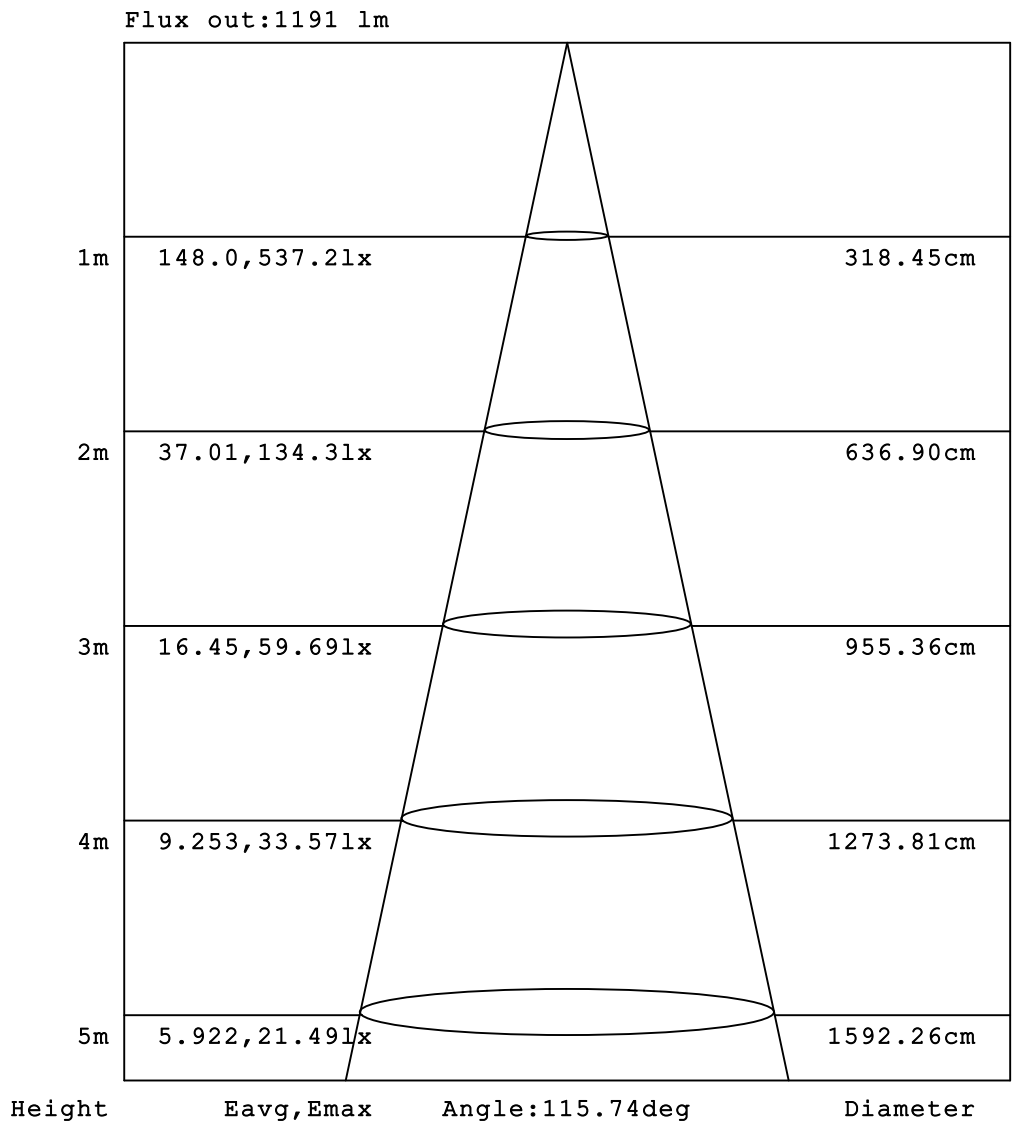
ISOCANDELA DIAGRAM



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

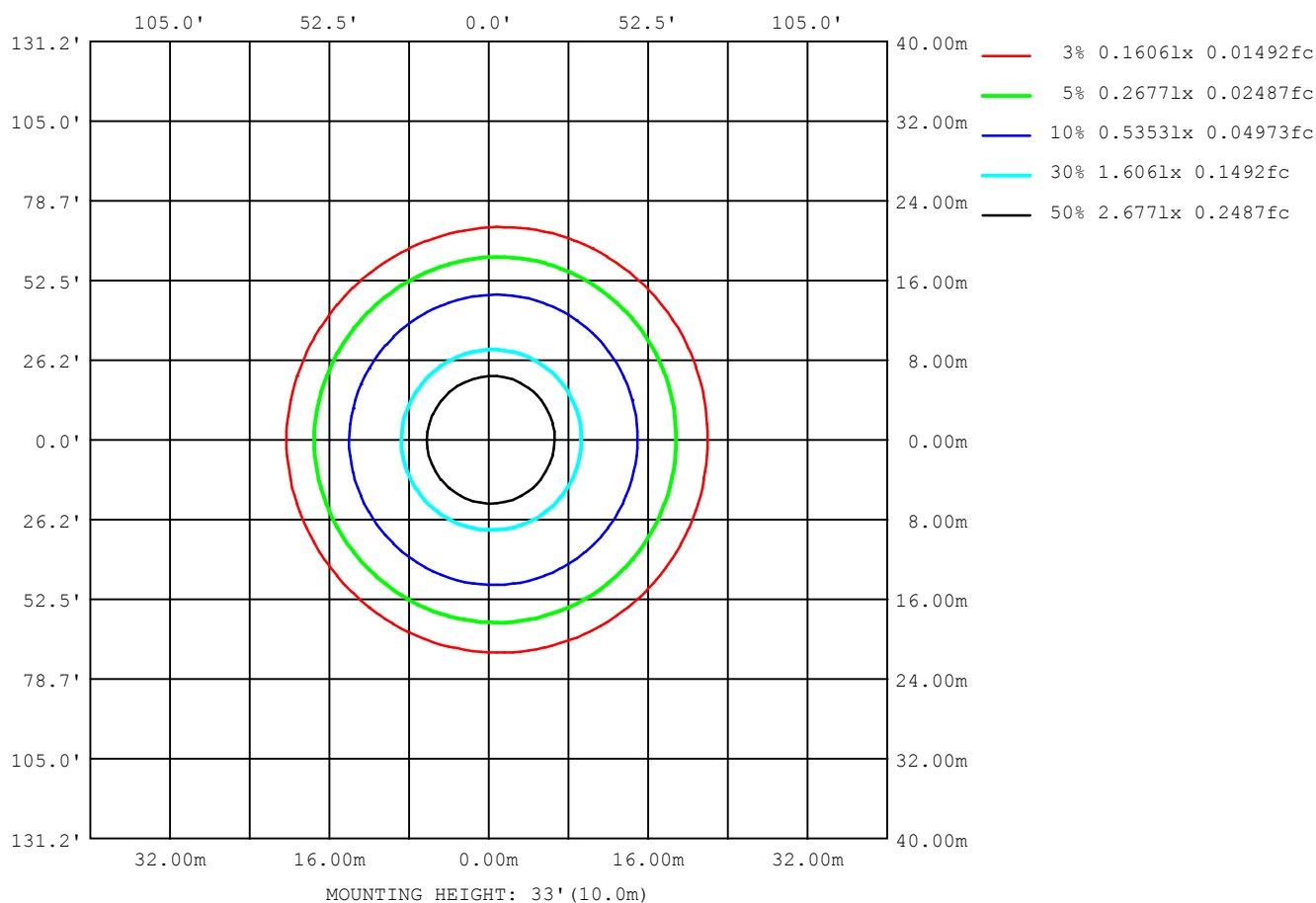


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.8258A P:19.82W PF:0.9999 Lamp Flux:1578.97x1 lm		
NAME: LED Strip	TYPE:Indoor lighting	WEIGHT:25g
SPEC.:2835 180LED WW	DIM.: 1000*8*1MM	SERIAL No.:2016041803
MFR.: Dilux	SUR.:1000*8mm	Shielding Angle:

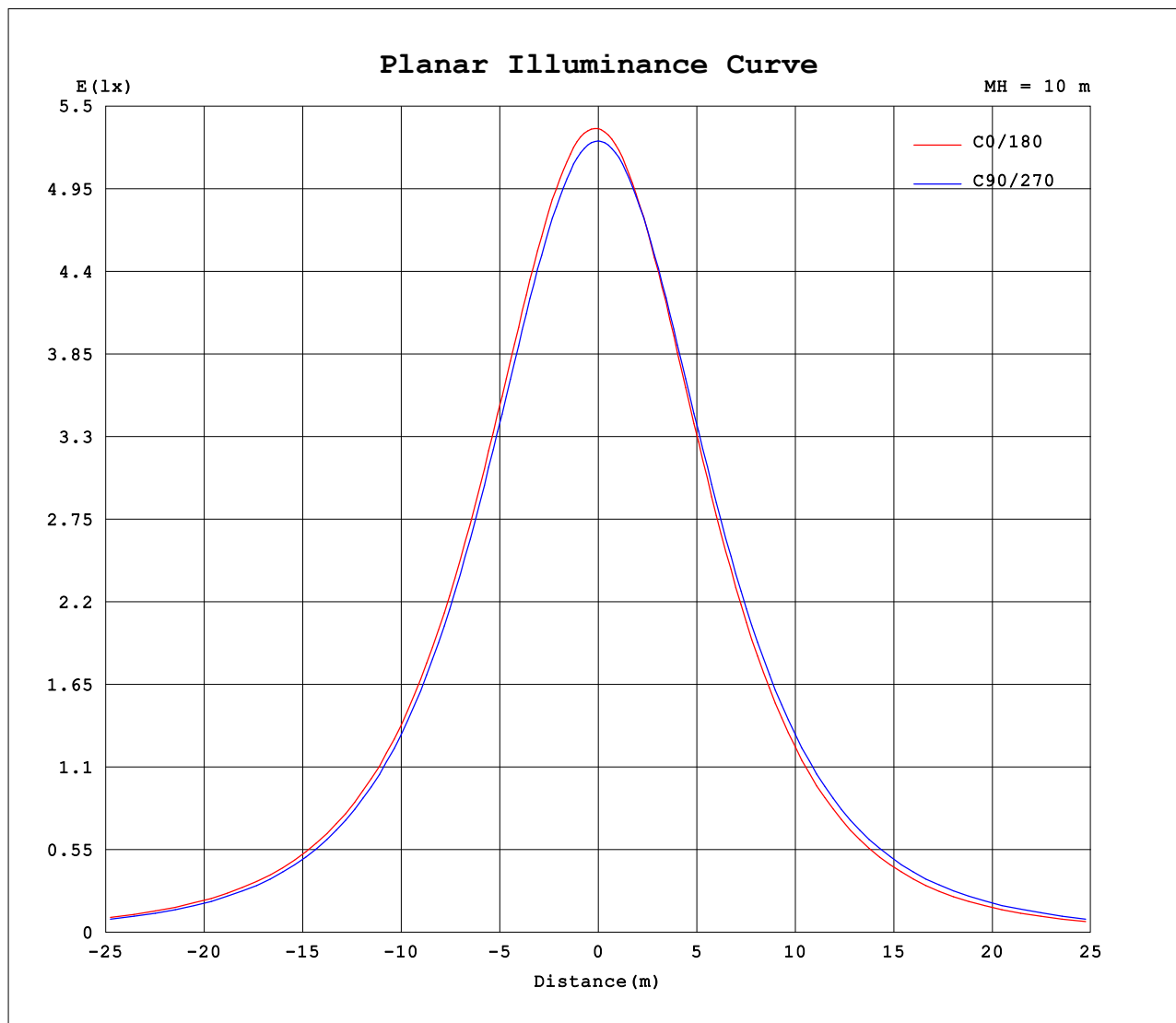
AvgL	cd/m2
L_0~180 (65) av	47691
L_0~180 (75) av	39804
L_0~180 (85) av	22245
L_90~270 (65) av	49165
L_90~270 (75) av	41788
L_90~270 (85) av	21649
L_45 (65) av	48302
L_45 (75) av	40542
L_45 (85) av	22935

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	535	535	533	533	531	531	529	528	528	528	529	528	527	527	526	527	527	527	527
5	536	536	534	533	532	531	530	529	529	529	529	528	527	526	526	526	526	526	525
10	532	532	530	530	528	528	526	525	525	525	525	524	522	522	521	521	521	520	519
15	524	524	522	522	520	520	519	518	517	517	517	516	515	514	513	512	512	511	510
20	512	512	510	510	509	509	507	506	506	506	505	505	503	502	501	500	499	498	497
25	496	496	494	494	493	493	492	491	490	490	490	489	487	486	485	484	483	481	480
30	476	476	474	475	473	474	472	471	471	471	470	470	468	466	465	464	462	461	459
35	451	453	451	451	449	450	449	448	447	447	447	446	444	443	441	440	438	437	434
40	423	424	423	423	422	422	421	421	420	420	419	419	417	416	413	412	410	408	406
45	392	393	391	392	391	392	390	390	389	389	388	388	386	384	382	381	378	376	373
50	356	358	356	357	356	357	355	355	354	354	353	353	350	350	347	345	343	341	337
55	317	318	317	318	317	317	316	316	315	315	314	314	311	310	308	306	303	301	297
60	275	276	275	276	275	275	274	274	273	273	272	271	269	268	265	263	260	258	254
65	229	230	229	231	229	230	229	229	228	228	226	225	223	222	219	217	214	212	207
70	180	181	181	182	181	181	181	180	179	179	178	177	174	173	170	168	165	162	158
75	130	132	131	132	131	132	131	131	129	129	127	126	124	122	119	118	114	112	108
80	80.5	82.4	81.5	82.9	81.7	82.6	81.1	81.5	79.8	79.6	77.3	76.7	73.9	72.7	69.6	68.2	64.9	63.3	59.4
85	35.7	37.0	36.6	37.6	36.9	37.5	36.5	36.6	35.2	35.0	33.2	32.5	30.2	29.3	27.1	25.7	23.7	22.0	19.4
90	4.58	5.40	5.21	5.89	5.50	5.92	5.37	5.55	4.77	4.70	3.70	3.36	2.15	1.62	0.38	0.00	0.02	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	0.12	0.14	0.11	0.08	0.05	0.03	0.01	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.04	0.07	0.07	0.09	0.10
180	0.29	0.29	0.26	0.21	0.20	0.19	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.19

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	528	528	530	530	530	531	531	532	534	534	534	535	535	535	536	537	537	535	535
5	526	525	527	527	527	527	527	528	530	530	530	530	530	531	531	532	532	531	531
10	520	519	520	520	520	519	519	520	522	521	521	521	521	522	522	523	523	522	521
15	510	509	510	510	509	508	508	508	510	509	509	509	509	509	510	510	510	509	509
20	496	495	496	495	494	493	493	492	494	493	493	492	492	492	493	493	493	492	492
25	479	477	478	477	476	474	474	473	474	472	472	471	471	471	472	472	472	471	471
30	458	456	456	455	453	451	451	450	450	448	448	447	447	446	447	447	448	447	446
35	433	431	431	429	427	425	424	423	422	420	420	419	419	418	419	419	419	418	418
40	404	402	401	399	397	394	394	391	391	389	388	386	386	385	386	386	386	386	385
45	372	369	368	366	363	360	360	356	356	353	353	351	351	350	351	350	351	350	349
50	336	332	332	328	326	323	321	318	317	314	314	311	311	310	311	310	311	311	310
55	295	292	291	287	285	282	279	276	274	272	270	268	268	267	267	267	268	268	267
60	252	248	247	243	240	236	234	230	229	226	225	223	223	221	222	221	222	222	221
65	205	201	199	195	192	188	186	182	180	177	176	174	174	173	173	173	174	174	173
70	156	152	150	145	142	138	135	131	130	127	126	124	124	123	123	123	123	125	123
75	105	102	99.2	94.8	91.7	87.5	85.2	81.7	80.4	77.9	77.1	75.2	75.1	73.9	74.7	73.9	75.4	75.7	74.3
80	57.5	53.8	51.5	47.3	44.7	41.1	39.5	36.6	35.7	33.5	33.1	31.5	31.7	30.7	31.3	30.9	31.9	32.4	31.5
85	18.4	15.8	13.8	11.0	9.58	7.56	6.74	5.32	4.85	3.85	3.66	2.99	3.02	2.58	2.82	2.59	3.07	3.06	2.47
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	0.02	0.01	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	0.05	0.00
175	0.12	0.13	0.16	0.16	0.16	0.15	0.16	0.14	0.16	0.15	0.16	0.15	0.16	0.15	0.16	0.16	0.19	0.22	0.19
180	0.19	0.20	0.21	0.22	0.21	0.20	0.20	0.20	0.21	0.23	0.22	0.23	0.23	0.24	0.24	0.26	0.29	0.31	0.30

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	533	533	531	531	529	528	528	528	529	528	527	527	526	527	527	527	527	528	528
5	529	528	527	526	525	524	524	524	525	524	523	523	523	524	525	525	525	526	527
10	520	519	518	517	516	516	516	516	517	517	516	516	517	517	518	519	520	521	522
15	507	506	505	505	504	503	503	504	505	505	505	505	506	507	508	509	510	512	513
20	490	490	489	488	488	487	487	488	489	490	490	490	492	493	494	496	497	499	500
25	469	469	468	468	467	467	468	468	470	471	471	472	473	475	477	479	480	482	484
30	445	444	443	443	443	443	444	444	446	448	449	449	451	453	455	457	459	461	464
35	416	416	415	415	415	415	416	417	419	420	422	423	425	427	430	432	435	437	439
40	384	383	383	383	383	383	385	386	388	390	392	393	395	398	401	403	406	409	412
45	348	347	348	347	348	348	350	351	354	355	358	360	362	365	368	371	374	377	380
50	309	309	309	309	309	309	311	312	315	317	320	322	325	328	332	334	338	341	344
55	266	265	266	266	267	267	269	270	274	275	279	281	285	287	292	294	298	301	305
60	221	220	220	220	221	222	224	225	228	230	234	236	240	243	248	251	255	258	262
65	173	172	172	172	174	174	176	177	181	182	186	189	193	196	201	204	208	211	216
70	123	122	123	122	124	124	127	127	131	132	136	139	143	146	151	154	159	162	167
75	74.5	73.6	74.3	74.0	75.2	75.4	77.4	78.4	81.3	82.9	86.4	88.7	92.9	95.7	101	104	108	111	115
80	31.5	30.9	31.3	31.1	31.9	32.1	33.6	34.3	36.5	37.7	40.6	42.5	46.0	48.5	52.6	55.1	59.2	59.9	64.4
85	2.71	2.33	2.78	2.57	3.18	3.16	4.02	4.22	5.44	5.97	7.49	8.43	10.5	11.9	14.6	16.2	18.4	19.0	23.0
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	0.00	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	0.15	0.12	0.11	0.12	0.11	0.10	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.11	0.12	0.10	0.10	0.10	0.10
180	0.25	0.22	0.19	0.20	0.17	0.18	0.17	0.17	0.17	0.18	0.17	0.17	0.17	0.17	0.17	0.19	0.18	0.19	0.20

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	530	530	530	531	531	532	534	534	534	535	535	535	536	537	537				
5	529	530	530	531	531	532	534	535	535	536	536	536	537	538	537				
10	524	525	526	526	527	528	531	531	532	532	532	533	533	534	534				
15	515	517	518	518	519	521	523	524	524	525	525	525	525	526	526				
20	503	505	506	507	508	509	512	512	512	513	513	513	514	514	514				
25	487	489	490	491	492	494	496	496	497	497	497	498	498	498	497				
30	467	469	470	471	473	475	476	477	477	478	478	478	478	479	477				
35	443	446	446	448	449	452	452	454	454	454	454	455	454	455	453				
40	415	418	419	421	422	424	425	426	426	427	426	427	427	427	425				
45	383	387	387	390	391	393	393	395	395	396	395	396	395	395	393				
50	348	351	352	355	356	358	359	360	360	361	360	361	360	360	358				
55	309	312	313	317	317	319	319	321	321	322	321	322	321	320	319				
60	266	269	271	273	274	276	277	279	278	279	279	279	278	278	276				
65	219	223	224	227	228	230	231	233	233	234	233	234	233	232	231				
70	170	173	175	178	179	181	182	184	184	185	184	185	184	183	182				
75	118	122	124	127	128	131	132	134	134	135	134	135	133	134	132				
80	67.0	70.7	72.6	76.6	78.0	80.4	81.5	83.4	83.6	84.7	84.3	85.0	83.9	83.9	82.4				
85	24.9	27.1	28.7	31.7	32.6	35.2	35.9	37.7	37.8	39.1	38.5	39.2	38.4	38.5	37.2				
90	0.02	0.54	1.17	2.26	2.88	4.24	4.62	5.63	5.69	6.43	6.11	6.63	5.97	6.28	5.37				
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	0.10	0.10	0.07	0.07	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.09	0.10	0.13	0.14				
180	0.22	0.22	0.20	0.20	0.20	0.20	0.22	0.22	0.22	0.22	0.22	0.24	0.25	0.26	0.29				

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: