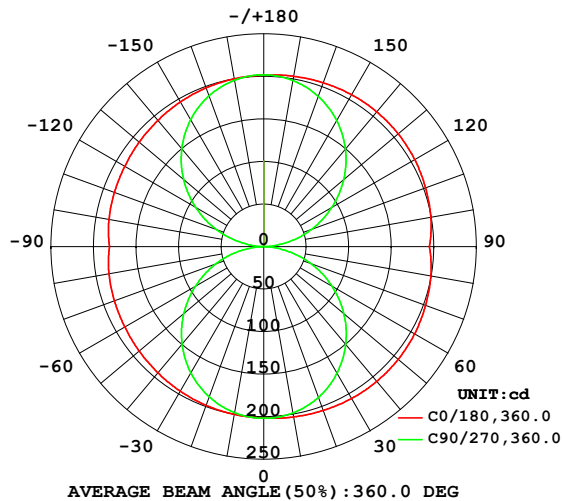


## LUMINAIRE PHOTOMETRIC TEST REPORT

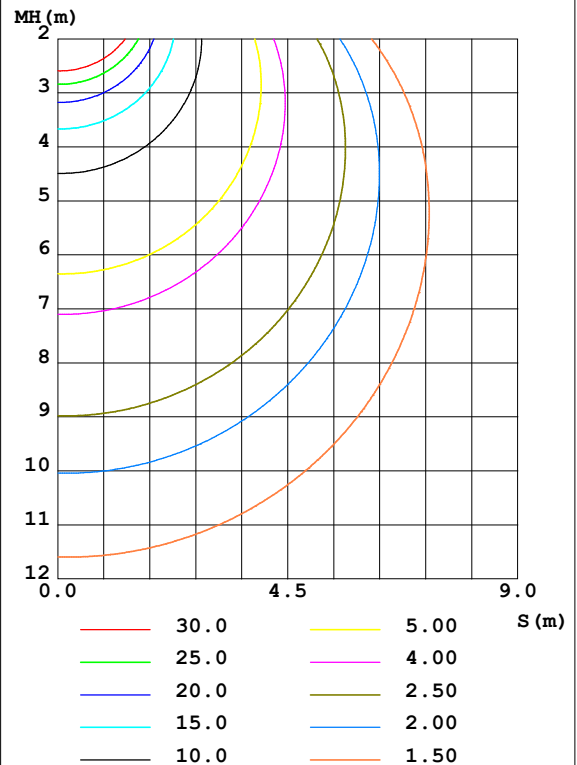
Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NW-D25T:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 98.85 lm/W
S2835L240V24NW40K8IP67-NW-D25T		Imax(cd)	206.8	S/MH(C0/180)	1.49	
NOMINAL POWER(W)	19.3	LOR(%)	100.0	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1909.9	$\eta$ UP,DN(C0-180)	25.0,25.1	
NOMINAL FLUX(lm)	1909.86	CIE CLASS	DIFFUSE	$\eta$ UP,DN(C180-360)	25.0,24.9	
LAMPS INSIDE	1	$\eta$ up(%)	50.0	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	$\eta$ down(%)	50.0	CIBSE SHR MAX	1.55	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:LI  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
Humidity:65.0%  
Test Distance:9.960m [K=1.0040]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

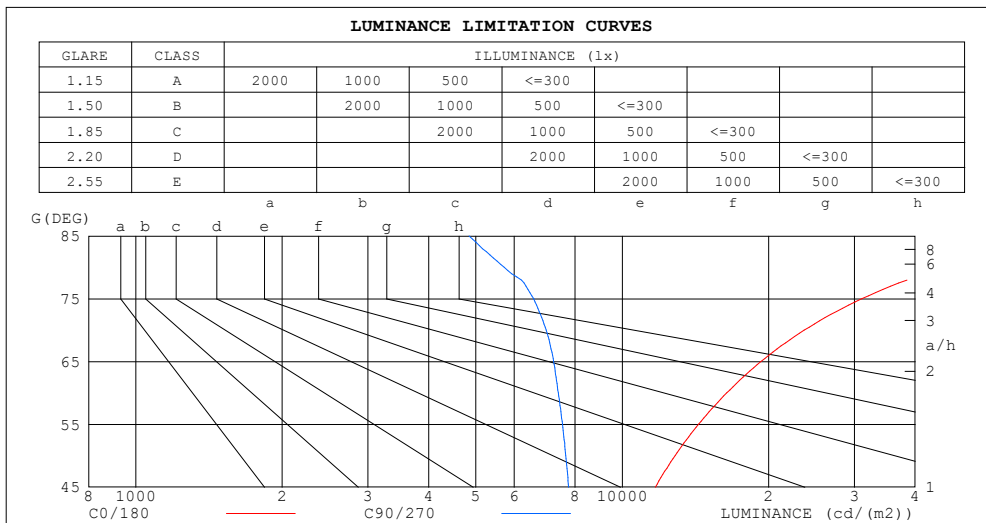
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	203.3	201.5	198.6	199.6	200.2	199.1	198.2	201.4	0- 10	19.20	19.20	1.01,1.01
20	204.9	198.0	188.6	193.5	198.6	193.1	187.9	197.4	10- 20	56.08	75.28	3.94,3.94
30	206.3	191.4	172.1	184.3	196.3	184.0	171.4	190.4	20- 30	88.51	163.8	8.58,8.58
40	206.8	182.3	150.0	172.8	193.7	172.8	149.5	181.1	30- 40	114.1	277.9	14.6,14.6
50	206.3	171.4	123.1	160.1	191.1	160.3	122.8	170.2	40- 50	131.4	409.3	21.4,21.4
60	205.0	159.1	92.37	147.3	188.7	147.9	92.45	158.6	50- 60	140.1	549.4	28.8,28.8
70	202.4	147.4	59.64	136.2	186.8	137.0	60.14	147.2	60- 70	141.0	690.4	36.1,36.1
80	199.4	138.4	24.82	128.2	184.7	129.3	25.94	135.1	70- 80	136.2	826.6	43.3,43.3
90	194.7	131.0	1.098	123.9	181.2	122.6	1.573	131.8	80- 90	128.4	954.9	50,50
100	199.4	135.1	25.94	129.3	184.7	128.2	24.82	138.4	90-100	128.4	1083	56.7,56.7
110	202.4	147.2	60.14	137.0	186.8	136.2	59.64	147.4	100-110	136.2	1219	63.9,63.9
120	205.0	158.6	92.45	147.9	188.7	147.3	92.37	159.1	110-120	141.0	1360	71.2,71.2
130	206.3	170.2	122.8	160.3	191.1	160.1	123.1	171.4	120-130	140.1	1501	78.6,78.6
140	206.8	181.1	149.5	172.8	193.7	172.8	150.0	182.3	130-140	131.4	1632	85.4,85.4
150	206.3	190.4	171.4	184.0	196.3	184.3	172.1	191.4	140-150	114.1	1746	91.4,91.4
160	204.9	197.4	187.9	193.1	198.6	193.5	188.6	198.0	150-160	88.51	1835	96.1,96.1
170	203.3	201.4	198.2	199.1	200.2	199.6	198.6	201.5	160-170	56.08	1891	99,99
180	201.6	201.6	201.6	201.6	201.6	201.6	201.6	201.6	170-180	19.20	1910	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:LI  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
 Humidity:65.0%  
 Test Distance:9.960m [K=1.0040]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWED2BT:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	90581	4841
80	45941	5718
75	31068	6573
70	23668	6975
65	19286	7230
60	16397	7389
55	14349	7536
50	12840	7659
45	11695	7756

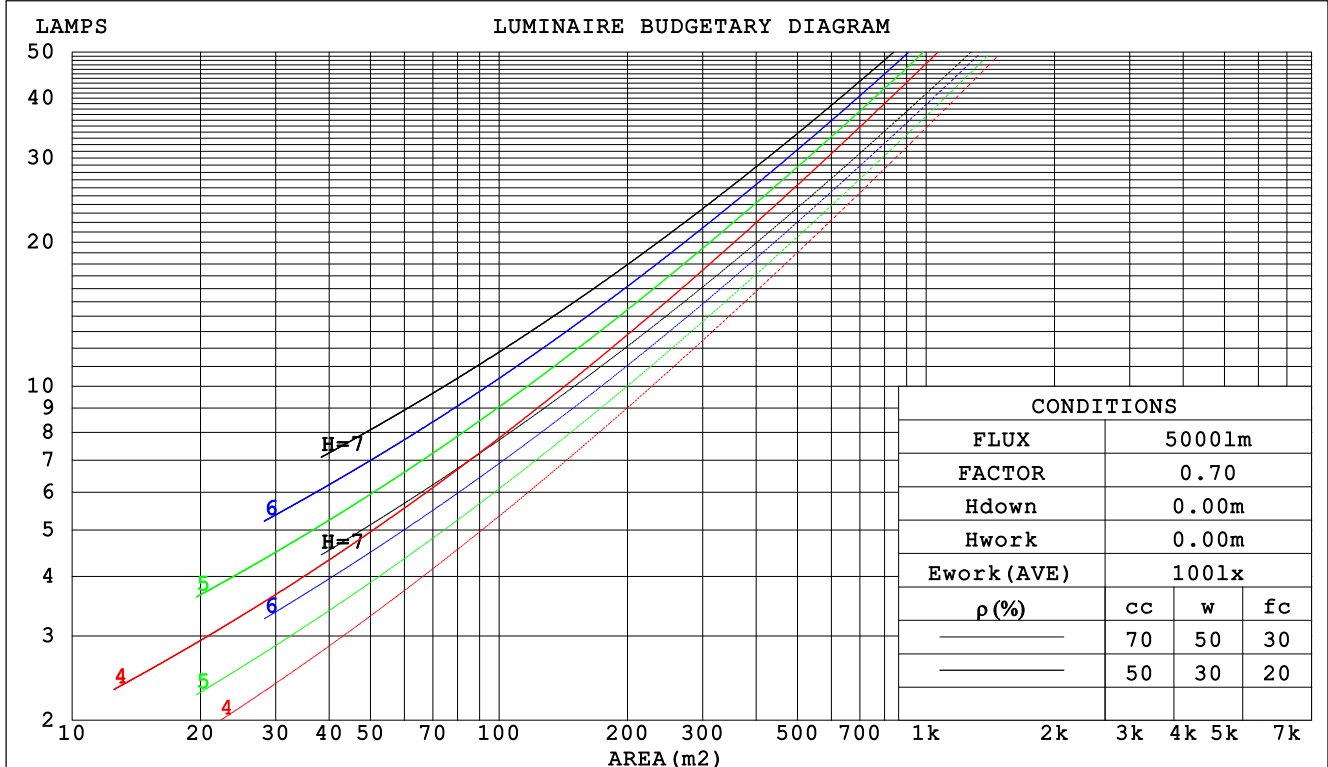
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:LI  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
Humidity:65.0%  
Test Distance:9.960m [K=1.0040]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWED25T:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:

$\rho_{cc}$	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	1.07	1.07	1.07	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50
1.0	.89	.84	.79	.82	.77	.73	.68	.65	.62	.56	.53	.51	.45	.43	.41	.36
2.0	.76	.69	.62	.70	.63	.58	.58	.53	.49	.47	.44	.40	.38	.35	.32	.27
3.0	.66	.57	.51	.60	.53	.47	.50	.45	.40	.41	.37	.33	.32	.29	.26	.22
4.0	.58	.49	.42	.53	.45	.39	.44	.38	.33	.36	.31	.27	.28	.25	.22	.18
5.0	.51	.42	.35	.47	.39	.33	.39	.33	.28	.32	.27	.23	.25	.22	.19	.15
6.0	.46	.37	.30	.42	.34	.28	.35	.29	.24	.29	.24	.20	.23	.19	.16	.13
7.0	.41	.32	.26	.38	.30	.25	.32	.25	.21	.26	.21	.18	.21	.17	.14	.11
8.0	.37	.29	.23	.34	.27	.21	.29	.23	.18	.24	.19	.15	.19	.15	.12	.10
9.0	.34	.26	.20	.31	.24	.19	.26	.20	.16	.22	.17	.14	.17	.14	.11	.09
10.0	.31	.23	.18	.28	.22	.17	.24	.18	.15	.20	.15	.12	.16	.13	.10	.08



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:LI  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
 Humidity:65.0%  
 Test Distance:9.960m [K=1.0040]  
 Remarks:

### WEC AND CCEC

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWED25T:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:

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	.366	.208	.066	.344	.196	.062	.302	.173	.055	.264	.152	.049	.228	.132	.043		
2.0	.314	.172	.053	.294	.162	.050	.256	.142	.044	.221	.124	.039	.188	.106	.034		
3.0	.279	.148	.044	.260	.139	.042	.225	.122	.037	.193	.106	.032	.163	.090	.028		
4.0	.251	.130	.038	.234	.122	.036	.202	.107	.032	.172	.092	.028	.144	.078	.024		
5.0	.228	.116	.034	.213	.109	.032	.183	.095	.028	.156	.082	.024	.130	.070	.021		
6.0	.209	.105	.030	.195	.098	.028	.168	.086	.025	.142	.074	.022	.119	.062	.019		
7.0	.193	.096	.027	.180	.090	.026	.155	.078	.023	.131	.067	.020	.109	.057	.017		
8.0	.179	.088	.025	.167	.082	.023	.144	.072	.020	.122	.062	.018	.101	.052	.015		
9.0	.167	.081	.023	.156	.076	.021	.134	.066	.019	.113	.057	.016	.094	.048	.014		
10.0	.157	.075	.021	.146	.070	.020	.126	.061	.017	.106	.053	.015	.088	.044	.013		

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	.571	.571	.571	.488	.488	.488	.333	.333	.333	.191	.191	.191	.061	.061	.061	
1.0	.568	.540	.514	.486	.463	.442	.333	.319	.306	.191	.184	.178	.061	.059	.058	
2.0	.562	.518	.482	.481	.446	.417	.330	.309	.291	.190	.180	.170	.061	.058	.056	
3.0	.555	.503	.462	.476	.434	.400	.327	.302	.281	.189	.176	.166	.061	.057	.054	
4.0	.548	.491	.449	.470	.425	.390	.323	.296	.274	.187	.173	.162	.060	.056	.053	
5.0	.541	.482	.439	.464	.417	.382	.320	.292	.270	.185	.171	.160	.060	.056	.053	
6.0	.534	.475	.433	.459	.411	.377	.317	.288	.267	.184	.169	.158	.059	.055	.052	
7.0	.527	.469	.428	.454	.406	.373	.313	.285	.264	.182	.168	.157	.059	.055	.052	
8.0	.521	.464	.424	.449	.402	.370	.310	.282	.262	.181	.167	.156	.058	.055	.052	
9.0	.515	.459	.421	.444	.399	.368	.308	.280	.261	.179	.165	.156	.058	.054	.052	
10.0	.510	.455	.419	.440	.395	.366	.305	.278	.260	.178	.164	.155	.058	.054	.051	

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:LI  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
Humidity:65.0%  
Test Distance:9.960m [K=1.0040]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm										
NAME: S2835L240V24NW40K8IP67-NW-D25T					TYPE:S2835L240V24NW40K8IP67-NWED25T:					
SPEC.:1000*25					DIM.: 1000*25			SERIAL No.:		
MFR.: BLUEVISION					SUR.:1000*25			Shielding Angle:		
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	19.5	20.6	20.4	21.5	22.6	16.2	17.2	17.0	18.1	19.2
3H	22.8	23.7	23.6	24.6	25.8	17.8	18.7	18.6	19.6	20.8
4H	24.6	25.5	25.5	26.4	27.6	18.4	19.3	19.3	20.2	21.4
6H	26.6	27.4	27.5	28.4	29.6	18.8	19.7	19.8	20.6	21.8
8H	27.7	28.5	28.7	29.5	30.7	19.0	19.8	19.9	20.7	21.9
12H	29.0	29.8	30.0	30.7	32.0	19.0	19.8	20.0	20.7	22.0
4H 2H	20.1	20.9	21.0	21.9	23.0	17.8	18.7	18.7	19.6	20.8
3H	23.5	24.3	24.4	25.2	26.4	19.7	20.4	20.6	21.4	22.6
4H	25.5	26.2	26.5	27.2	28.4	20.6	21.3	21.5	22.2	23.5
6H	27.8	28.4	28.8	29.4	30.6	21.2	21.8	22.2	22.8	24.1
8H	29.0	29.6	30.0	30.6	31.9	21.4	22.0	22.4	23.0	24.3
12H	30.5	31.0	31.5	32.0	33.3	21.6	22.1	22.6	23.1	24.4
8H 4H	25.8	26.4	26.8	27.4	28.7	22.2	22.8	23.2	23.8	25.0
6H	28.4	28.9	29.4	29.9	31.2	23.4	23.9	24.4	24.9	26.2
8H	29.9	30.3	30.9	31.4	32.7	23.9	24.3	24.9	25.3	26.7
12H	31.6	32.0	32.6	33.0	34.4	24.3	24.7	25.3	25.7	27.0
12H 4H	25.9	26.4	26.8	27.4	28.7	22.8	23.3	23.8	24.3	25.6
6H	28.5	29.0	29.6	30.0	31.3	24.3	24.7	25.3	25.7	27.1
8H	30.1	30.5	31.2	31.6	32.9	25.1	25.4	26.1	26.5	27.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 1910 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.2$ )  
Area: 0.025 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:LI  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
Humidity:65.0%  
Test Distance:9.960m [K=1.0040]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWED25T:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:

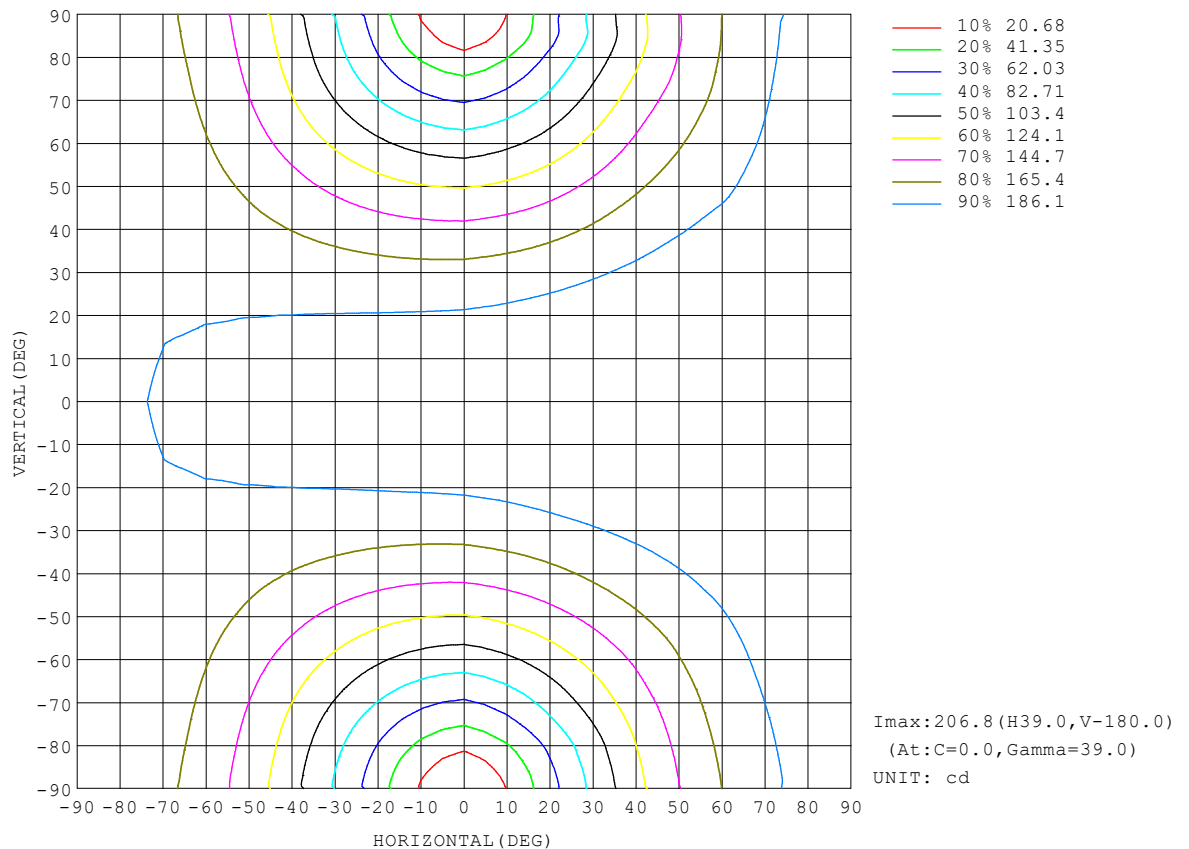
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	39	27	20	37	26	19	33	23	18	10
0.80	48	35	27	45	33	26	39	30	23	14
1.00	55	42	33	51	40	32	45	37	29	17
1.25	62	49	40	58	46	38	50	41	34	20
1.50	67	54	46	62	51	43	54	45	38	23
2.00	75	63	54	69	59	51	59	51	45	27
2.50	79	69	60	73	64	57	62	55	49	29
3.00	83	73	66	77	68	61	65	59	53	31
4.00	88	80	73	81	74	68	69	63	59	34
5.00	91	84	78	84	78	72	71	66	62	37
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: MEDIUM  
Temperature:25.3DEG  
Operators:LI  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
Humidity:65.0%  
Test Distance:9.960m [K=1.0040]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWED25T:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:



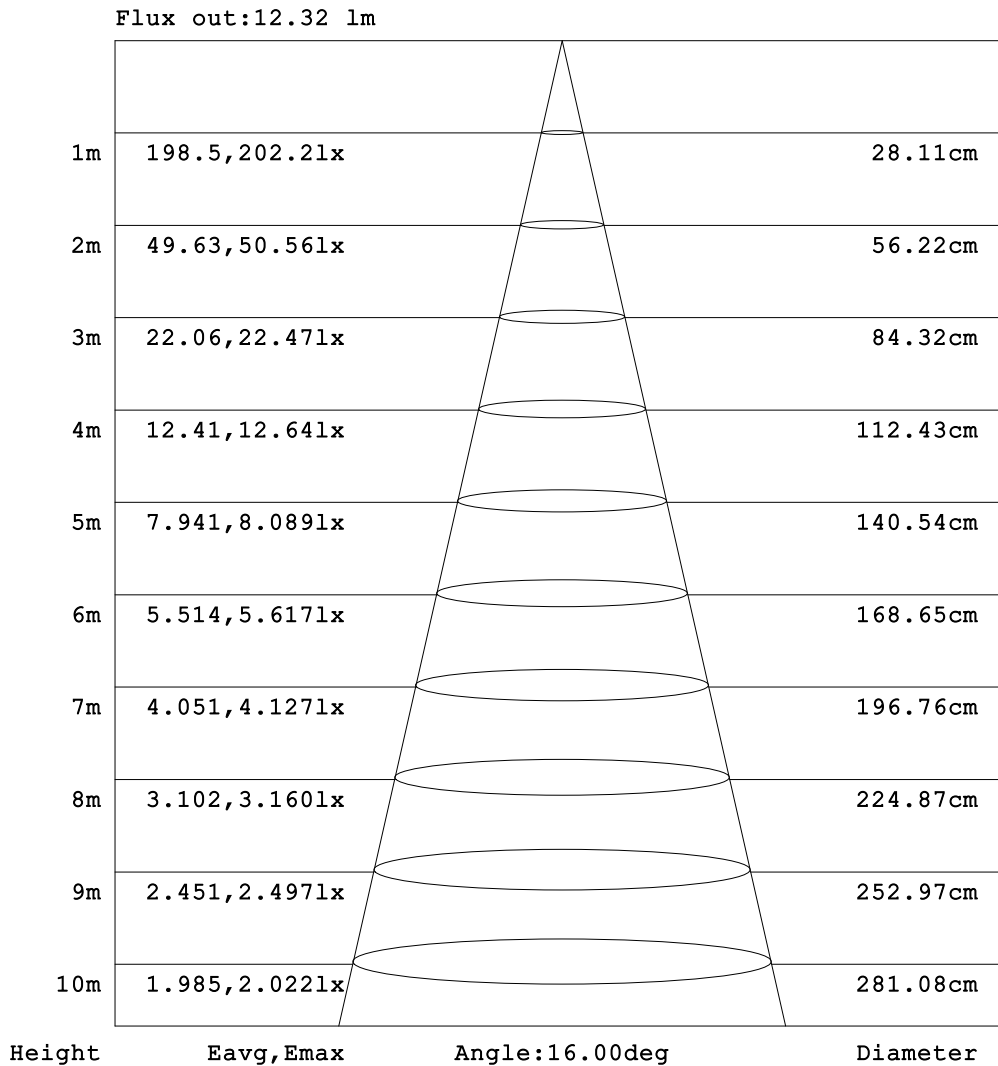
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:LI  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
Humidity:65.0%  
Test Distance:9.960m [K=1.0040]  
Remarks:



AAI Figure

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWED2BT:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:



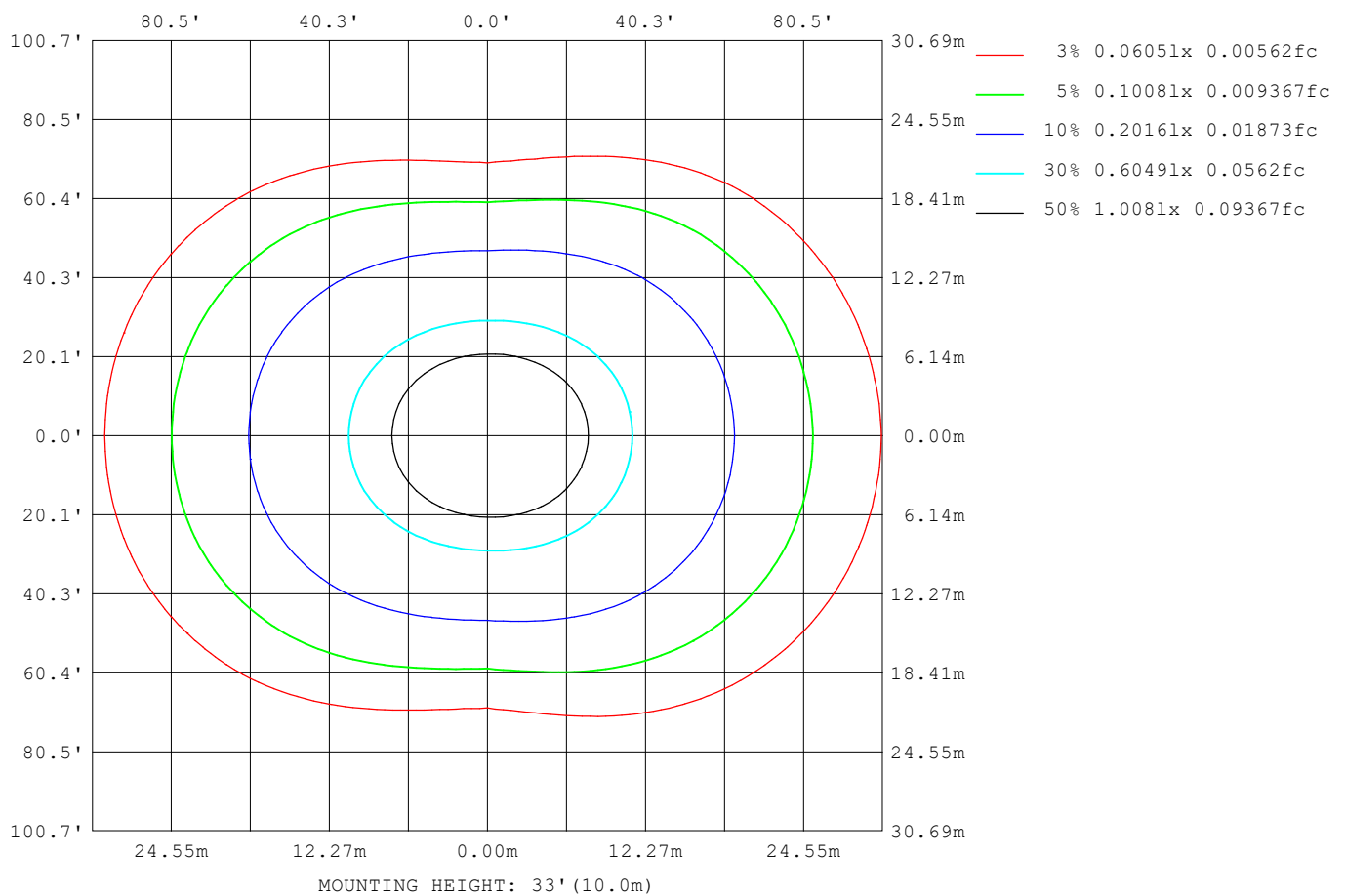
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:LI  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
 Humidity:65.0%  
 Test Distance:9.960m [K=1.0040]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWED2BT:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:LI  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
Humidity:65.0%  
Test Distance:9.960m [K=1.0040]  
Remarks:

## LED Avg.L Report

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWED2BT:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:

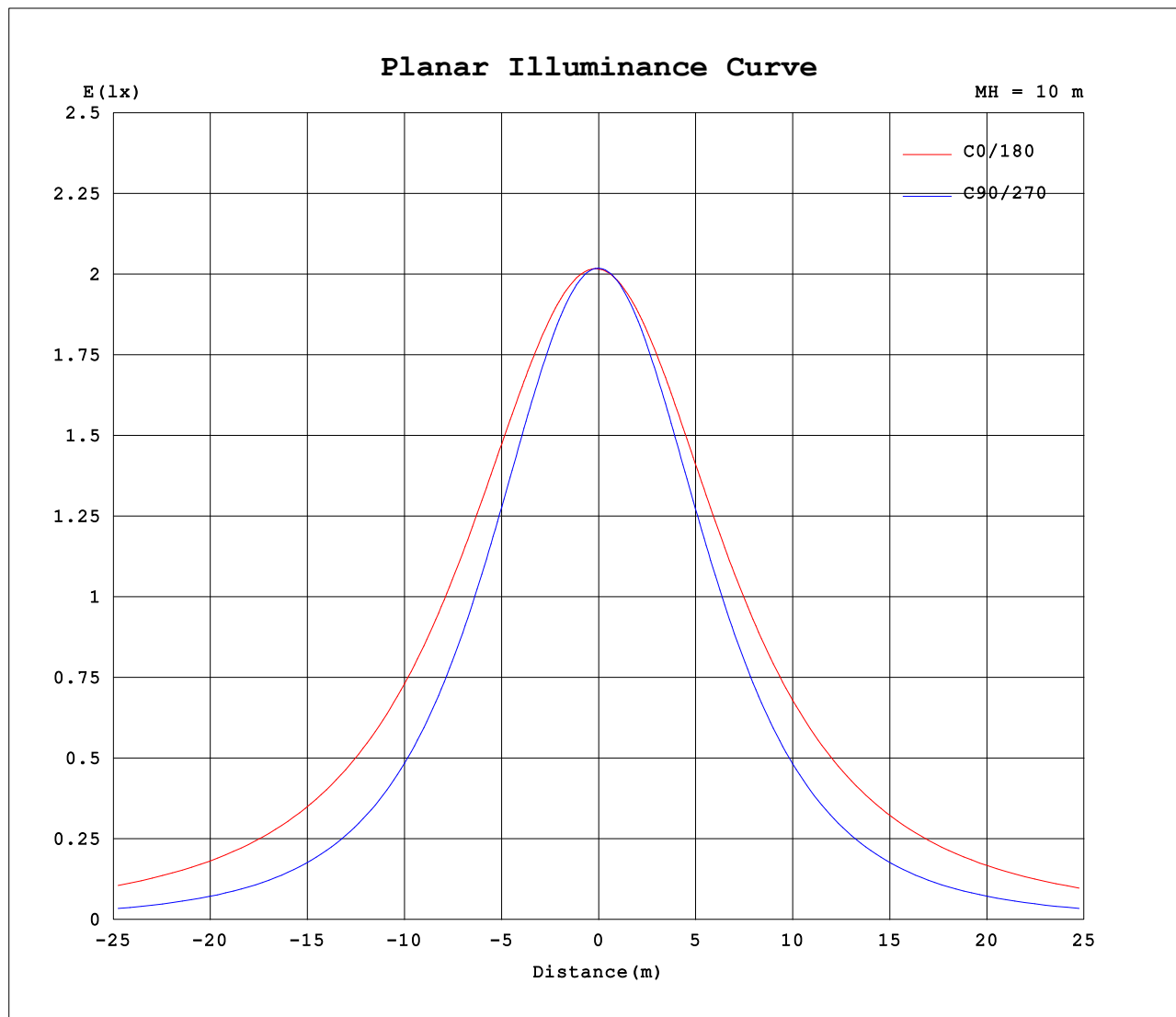
AvgL	cd/m2
L_0~180 (65) av	18525
L_0~180 (75) av	29893
L_0~180 (85) av	87355
L_90~270 (65) av	7237
L_90~270 (75) av	6630
L_90~270 (85) av	4860
L_45 (65) av	13949
L_45 (75) av	21191
L_45 (85) av	59379

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:LI  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
 Humidity:65.0%  
 Test Distance:9.960m [K=1.0040]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: LI  
Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
Humidity: 65.0%  
Test Distance: 9.960m [K=1.0040]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWED25T:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:

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	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202
5	202	203	203	203	203	203	203	202	202	202	202	202	202	202	201	201	201	201	201
10	203	203	203	203	203	203	203	202	202	202	201	201	200	200	200	199	199	199	199
15	204	204	204	204	204	203	202	202	201	200	199	198	198	197	196	196	195	195	194
20	205	205	205	204	204	203	202	201	199	198	197	195	194	193	191	190	190	189	189
25	206	206	205	204	204	202	201	199	197	195	193	191	189	187	185	184	183	182	181
30	206	206	205	204	203	201	199	197	194	191	188	186	183	180	178	176	174	173	172
35	207	206	205	204	202	200	197	194	191	187	183	179	176	172	169	166	164	163	162
40	207	206	205	204	201	199	195	191	187	182	177	173	168	163	159	156	153	151	150
45	207	206	205	203	200	197	192	188	183	177	171	165	159	154	149	145	141	139	137
50	206	206	204	202	199	195	190	184	178	171	164	157	150	143	137	132	128	125	123
55	206	205	203	200	197	192	186	180	173	165	157	149	140	133	126	119	114	110	108
60	205	204	202	199	195	190	183	176	168	159	150	140	131	122	113	106	99.8	95.2	92.4
65	204	203	201	197	193	187	180	172	163	153	142	132	121	111	101	92.6	85.3	79.7	76.4
70	202	201	199	195	191	184	176	168	158	147	136	124	112	101	90.0	79.5	70.6	63.8	59.6
75	201	200	197	194	188	182	174	164	154	143	130	117	104	91.7	78.9	66.5	55.8	47.6	42.5
80	199	198	196	192	186	179	171	161	150	138	125	111	96.1	81.8	67.1	52.7	40.2	30.7	24.8
85	197	196	194	190	184	177	168	158	147	135	121	106	90.9	75.8	59.6	43.1	28.7	17.4	10.5
90	195	194	191	187	182	175	166	155	144	131	117	102	87.3	72.0	54.9	37.0	21.1	8.74	1.10
95	197	196	193	189	183	176	166	156	144	131	117	102	87.0	72.2	56.5	40.8	27.1	16.7	10.6
100	199	198	195	191	185	177	168	158	147	135	122	108	94.3	80.7	66.6	52.7	40.6	31.4	25.9
105	201	199	196	192	187	180	172	163	152	141	129	116	102	89.6	77.1	65.2	55.2	47.7	43.3
110	202	201	198	194	189	183	175	167	157	147	135	123	111	99.1	88.0	78.1	69.8	63.7	60.1
115	204	202	200	197	192	186	179	171	162	153	142	131	120	109	99.8	91.4	84.5	79.4	76.5
120	205	204	202	199	195	189	183	175	167	159	149	139	129	120	112	105	99.0	94.8	92.4
125	206	205	203	201	197	192	186	180	172	164	156	147	139	131	124	118	113	110	108
130	206	206	204	202	199	195	189	183	177	170	163	156	149	142	136	131	127	124	123
135	207	206	205	203	200	197	192	187	182	176	170	164	158	152	148	144	140	138	137
140	207	206	205	204	202	199	195	190	186	181	176	171	166	162	158	155	152	151	150
145	207	206	206	204	203	200	197	194	190	186	182	178	175	171	168	165	163	162	161
150	206	206	206	205	203	201	199	196	193	190	187	184	182	179	177	175	173	172	171
155	206	206	205	205	204	202	201	199	196	194	192	190	188	186	184	183	182	181	180
160	205	205	205	204	204	203	202	200	199	197	196	194	193	192	191	190	189	188	188
165	204	204	204	204	204	203	202	202	201	200	199	198	197	196	196	195	195	194	194
170	203	203	204	203	203	203	203	202	202	201	201	200	200	200	199	199	199	198	198
175	202	203	203	203	203	203	203	202	202	202	202	202	202	202	201	201	201	201	201
180	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:LI  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
Humidity:65.0%  
Test Distance:9.960m [K=1.0040]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWEDQBT:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:

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	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202
5	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
10	199	199	199	199	199	199	199	199	200	200	200	200	200	200	200	200	200	200	200
15	194	194	195	195	195	196	196	196	197	197	198	198	199	199	199	199	199	199	200
20	189	189	189	189	190	191	192	193	193	194	195	196	197	197	198	198	198	199	199
25	181	181	182	183	184	185	186	188	189	191	192	193	195	196	196	197	197	197	197
30	172	173	173	175	176	178	180	182	184	186	189	190	192	194	195	196	196	196	196
35	162	162	164	165	167	170	173	176	179	182	185	187	190	192	193	194	195	195	195
40	150	151	153	155	158	161	165	169	173	177	180	184	187	189	191	193	193	194	193
45	137	139	141	144	148	152	157	162	167	171	176	180	184	187	189	191	192	192	192
50	124	125	128	132	137	142	148	154	160	166	171	176	181	185	187	189	191	191	191
55	109	111	115	120	125	132	139	146	154	160	167	173	178	182	186	188	189	190	189
60	93.5	96.5	101	107	114	122	130	139	147	155	163	169	175	180	184	187	188	189	188
65	78.0	81.8	87.4	94.6	103	112	122	132	141	150	159	166	173	178	182	185	187	188	187
70	61.8	66.7	73.8	82.7	92.5	103	114	125	136	146	155	164	171	177	181	184	186	187	186
75	45.6	51.8	60.7	71.4	83.0	95.0	107	120	132	143	152	161	169	175	180	183	185	186	185
80	29.2	37.3	48.4	61.5	75.0	88.3	102	115	128	140	150	159	167	174	179	182	184	185	184
85	16.1	25.9	39.0	54.3	69.4	83.6	97.9	112	125	137	148	157	166	172	177	181	183	183	183
90	7.89	19.4	34.4	51.6	67.9	82.4	96.8	111	124	135	146	155	163	170	175	178	180	181	181
95	16.8	27.2	40.8	56.4	71.6	85.7	99.7	113	127	138	148	158	166	172	177	180	183	183	183
100	30.6	39.0	50.2	63.4	76.9	90.1	103	117	129	140	150	160	167	174	179	182	184	185	184
105	46.6	53.1	62.1	72.9	84.5	96.3	109	121	133	143	153	162	169	175	180	183	185	186	185
110	62.6	67.7	74.9	83.7	93.6	104	115	126	137	147	156	164	171	177	181	184	186	187	186
115	78.4	82.4	88.2	95.5	104	113	123	132	142	151	159	167	173	178	182	185	187	188	187
120	93.8	97.0	102	108	115	123	131	139	148	156	163	170	176	180	184	187	188	189	188
125	109	111	115	120	126	132	139	147	154	161	167	173	178	182	186	188	189	190	189
130	123	125	128	132	137	142	148	154	160	166	171	176	181	185	187	189	191	191	191
135	137	138	141	144	148	152	157	162	167	171	176	180	184	187	189	191	192	192	192
140	150	151	152	155	158	161	165	169	173	177	180	184	187	189	191	193	193	194	193
145	161	162	163	165	167	170	173	176	179	182	185	187	190	192	193	194	195	195	195
150	171	172	173	174	176	178	180	182	184	186	188	190	192	194	195	196	196	196	196
155	180	181	181	182	183	184	186	187	189	190	192	193	195	196	197	197	197	197	197
160	188	188	188	189	189	190	191	192	193	194	195	196	197	198	198	198	199	199	198
165	194	194	194	194	195	195	195	196	197	197	198	198	199	199	199	199	200	199	199
170	198	198	198	198	198	199	199	199	199	199	200	200	200	200	200	200	200	200	200
175	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
180	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:LI

Test Date:

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412

Humidity:65.0%

Test Distance:9.960m [K=1.0040]

Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWED25T:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:

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	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202
5	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
10	200	200	200	200	200	200	199	199	199	199	199	198	198	198	198	198	198	198	199
15	199	199	199	199	198	198	197	197	196	195	195	195	194	194	194	194	194	194	195
20	198	198	198	197	196	195	194	193	192	191	190	189	189	188	188	188	188	188	189
25	197	197	196	195	193	192	190	189	187	186	184	183	182	181	181	180	180	181	182
30	196	195	194	192	190	188	186	184	182	180	178	176	174	173	172	171	171	172	173
35	194	193	192	190	187	185	182	179	176	173	170	167	165	163	162	161	161	162	163
40	193	191	189	187	184	180	177	173	169	165	161	158	155	152	151	150	150	151	152
45	191	189	187	184	180	176	171	167	162	157	152	148	144	141	138	137	137	138	140
50	189	187	185	181	176	171	166	160	154	148	142	137	132	128	125	123	123	124	127
55	188	186	182	178	173	167	161	154	147	139	132	126	120	115	111	109	108	110	113
60	187	184	180	176	170	163	156	148	139	131	123	115	108	102	97.0	93.8	92.4	94.8	99.0
65	185	182	178	173	167	159	151	142	132	123	113	104	95.5	88.2	82.4	78.4	76.5	79.4	84.5
70	184	181	177	171	164	156	147	137	126	115	104	93.6	83.7	74.9	67.7	62.6	60.1	63.7	69.8
75	183	180	175	169	162	153	143	133	121	109	96.3	84.5	72.9	62.1	53.1	46.6	43.3	47.7	55.2
80	182	179	174	167	160	150	140	129	117	103	90.1	76.9	63.4	50.2	39.0	30.6	25.9	31.4	40.6
85	180	177	172	166	158	148	138	127	113	99.7	85.7	71.6	56.4	40.8	27.2	16.8	10.6	16.7	27.1
90	179	175	170	163	155	145	135	123	109	94.9	80.3	65.7	49.7	33.1	18.8	7.84	1.57	9.15	21.4
95	181	177	172	166	157	148	137	125	112	97.9	83.6	69.4	54.3	39.0	25.9	16.1	10.5	17.4	28.7
100	182	179	174	167	159	150	140	128	115	102	88.3	75.0	61.5	48.4	37.3	29.2	24.8	30.7	40.2
105	183	180	175	169	161	152	143	132	120	107	95.0	83.0	71.4	60.7	51.8	45.6	42.5	47.6	55.8
110	184	181	177	171	164	155	146	136	125	114	103	92.5	82.7	73.8	66.7	61.8	59.6	63.8	70.6
115	185	182	178	173	166	159	150	141	132	122	112	103	94.6	87.4	81.8	78.0	76.4	79.7	85.3
120	187	184	180	175	169	163	155	147	139	130	122	114	107	101	96.5	93.5	92.4	95.2	99.8
125	188	186	182	178	173	167	160	154	146	139	132	125	120	115	111	109	108	110	114
130	189	187	185	181	176	171	166	160	154	148	142	137	132	128	125	124	123	125	128
135	191	189	187	184	180	176	171	167	162	157	152	148	144	141	139	137	137	139	141
140	193	191	189	187	184	180	177	173	169	165	161	158	155	153	151	150	150	151	153
145	194	193	192	190	187	185	182	179	176	173	170	167	165	164	162	162	162	163	164
150	196	195	194	192	190	189	186	184	182	180	178	176	175	173	173	172	172	173	174
155	197	196	196	195	193	192	191	189	188	186	185	184	183	182	181	181	181	182	183
160	198	198	197	197	196	195	194	193	193	192	191	190	189	189	189	189	189	189	190
165	199	199	199	199	198	198	197	197	196	196	196	195	195	195	194	194	194	195	195
170	200	200	200	200	200	200	200	200	199	199	199	199	199	199	199	199	199	199	199
175	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201
180	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:LI  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
Humidity:65.0%  
Test Distance:9.960m [K=1.0040]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:0.8050A P:19.320W PF:1.0000 Freq:50.00Hz Lamp Flux:1909.86x1 lm		
NAME: S2835L240V24NW40K8IP67-NW-D25T	TYPE:S2835L240V24NW40K8IP67-NWED2BT:	
SPEC.:1000*25	DIM.: 1000*25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25	Shielding Angle:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202				
5	201	201	202	202	202	202	202	202	202	203	203	203	203	203	203				
10	199	199	200	200	200	201	201	202	202	203	203	203	203	204	203				
15	195	196	196	197	198	199	200	201	202	202	203	204	204	204	204				
20	190	191	192	193	194	196	197	199	200	202	203	204	204	205	205				
25	183	184	186	188	190	192	194	196	199	201	202	204	205	205	206				
30	175	177	179	182	184	187	190	193	196	199	201	203	205	206	206				
35	165	168	171	175	178	182	186	190	194	197	200	203	204	206	206				
40	155	158	162	166	171	176	181	186	190	195	199	202	204	205	206				
45	144	148	152	158	164	170	176	182	187	192	197	200	203	205	206				
50	131	136	142	149	156	163	170	177	183	189	195	199	202	204	206				
55	118	124	131	139	147	156	164	172	180	186	192	197	201	203	205				
60	105	112	120	129	139	149	159	167	175	183	189	195	199	202	204				
65	91.4	99.8	109	120	131	142	153	162	171	179	186	192	197	200	202				
70	78.1	88.0	99.1	111	123	135	147	157	167	175	183	189	194	198	201				
75	65.2	77.1	89.6	102	116	129	141	152	163	172	180	187	192	196	199				
80	52.7	66.6	80.7	94.3	108	122	135	147	158	168	177	185	191	195	198				
85	40.8	56.5	72.2	87.0	102	117	131	144	156	166	176	183	189	193	196				
90	37.0	54.7	71.8	87.3	103	118	132	144	155	165	174	181	187	191	194				
95	43.1	59.6	75.8	90.9	106	121	135	147	158	168	177	184	190	194	196				
100	52.7	67.1	81.8	96.1	111	125	138	150	161	171	179	186	192	196	198				
105	66.5	78.9	91.7	104	117	130	143	154	164	174	182	188	194	197	200				
110	79.5	90.0	101	112	124	136	147	158	168	176	184	191	195	199	201				
115	92.6	101	111	121	132	142	153	163	172	180	187	193	197	201	203				
120	106	113	122	131	140	150	159	168	176	183	190	195	199	202	204				
125	119	126	133	140	149	157	165	173	180	186	192	197	200	203	205				
130	132	137	143	150	157	164	171	178	184	190	195	199	202	204	206				
135	145	149	154	159	165	171	177	183	188	192	197	200	203	205	206				
140	156	159	163	168	173	177	182	187	191	195	199	201	204	205	206				
145	166	169	172	176	179	183	187	191	194	197	200	202	204	205	206				
150	176	178	180	183	186	188	191	194	197	199	201	203	204	205	206				
155	184	185	187	189	191	193	195	197	199	201	202	204	204	205	206				
160	190	191	193	194	195	197	198	199	201	202	203	204	204	205	205				
165	196	196	197	198	198	199	200	201	202	202	203	204	204	204	204				
170	199	200	200	200	201	201	202	202	202	203	203	203	203	203	203				
175	201	201	202	202	202	202	202	202	202	203	203	203	203	203	203				
180	202	202	202	202	202	202	202	202	202	202	202	202	202	202	202				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:LI  
Test Date:

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.00.412  
Humidity:65.0%  
Test Distance:9.960m [K=1.0040]  
Remarks: