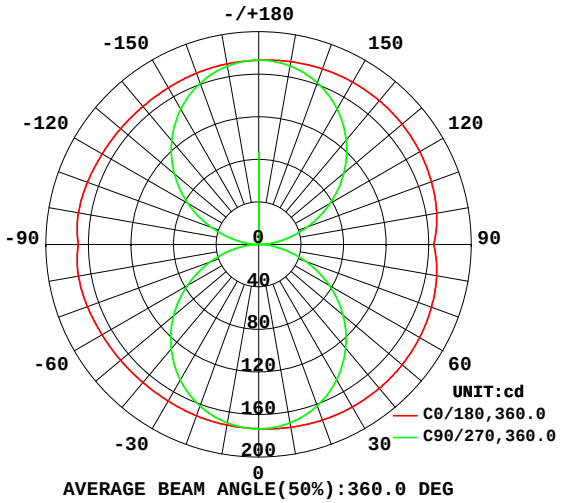
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:

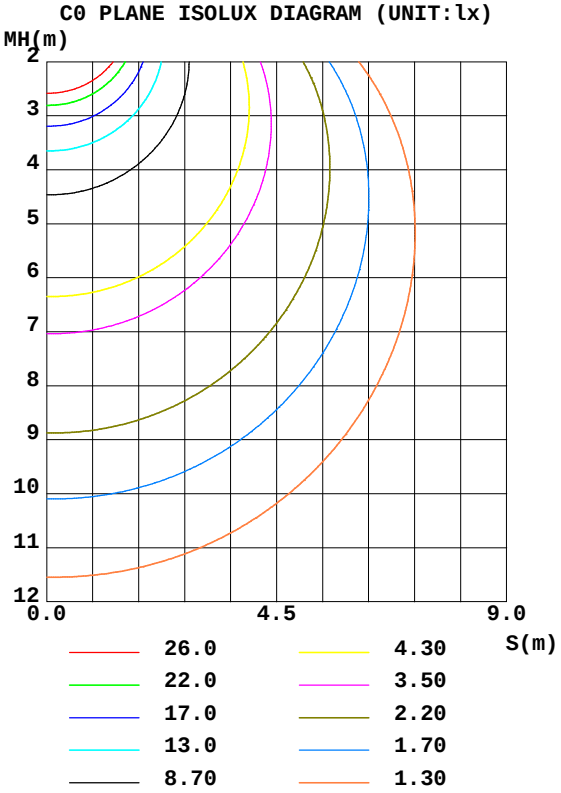
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 85.90 lm/W	
MODEL	D25G-4000K	Imax(cd)	176.6	S/MH(C0/180)	1.51
NOMINAL POWER(W)	19.2	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1649.3	η UP,DN(C0-180)	25.1,24.9
NOMINAL FLUX(lm)	1649.29	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	24.9,25.1
LAMPS INSIDE	1	η up(%)	50.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	50.0	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):360.0 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	174.5	173.0	170.3	171.2	172.4	171.9	170.4	172.8	0- 10	16.49	16.49	1,1
20	175.7	169.3	161.3	166.1	171.4	167.0	161.6	169.3	10- 20	48.17	64.66	3.92,3.92
30	176.4	162.9	146.8	158.2	170.1	159.4	147.4	163.0	20- 30	75.97	140.6	8.53,8.53
40	176.6	154.2	127.3	148.6	169.4	149.9	128.1	154.6	30- 40	97.88	238.5	14.5,14.5
50	176.1	144.1	103.6	138.2	169.5	139.7	104.6	144.6	40- 50	112.8	351.3	21.3,21.3
60	174.9	133.4	76.53	128.4	170.1	130.1	77.62	133.9	50- 60	120.5	471.9	28.6,28.6
70	172.9	122.8	47.45	120.4	171.3	122.1	48.79	123.4	60- 70	121.9	593.8	36,36
80	170.0	114.0	19.78	114.9	172.1	116.9	21.02	114.9	70- 80	118.2	712.0	43.2,43.2
90	164.4	108.6	1.230	114.2	169.7	112.0	1.361	108.1	80- 90	112.7	824.6	50,50
100	170.0	114.9	21.02	116.9	172.1	114.9	19.78	114.0	90-100	112.7	937.3	56.8,56.8
110	172.9	123.4	48.79	122.1	171.3	120.4	47.45	122.8	100-110	118.2	1056	64,64
120	174.9	133.9	77.62	130.1	170.1	128.4	76.53	133.4	110-120	121.9	1177	71.4,71.4
130	176.1	144.6	104.6	139.7	169.5	138.2	103.6	144.1	120-130	120.5	1298	78.7,78.7
140	176.6	154.6	128.1	149.9	169.4	148.6	127.3	154.2	130-140	112.8	1411	85.5,85.5
150	176.4	163.0	147.4	159.4	170.1	158.2	146.8	162.9	140-150	97.88	1509	91.5,91.5
160	175.7	169.3	161.6	167.0	171.4	166.1	161.3	169.3	150-160	75.97	1585	96.1,96.1
170	174.5	172.8	170.4	171.9	172.4	171.2	170.3	173.0	160-170	48.17	1633	99,99
180	173.2	173.2	173.2	173.2	173.2	173.2	173.2	173.2	170-180	16.49	1649	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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

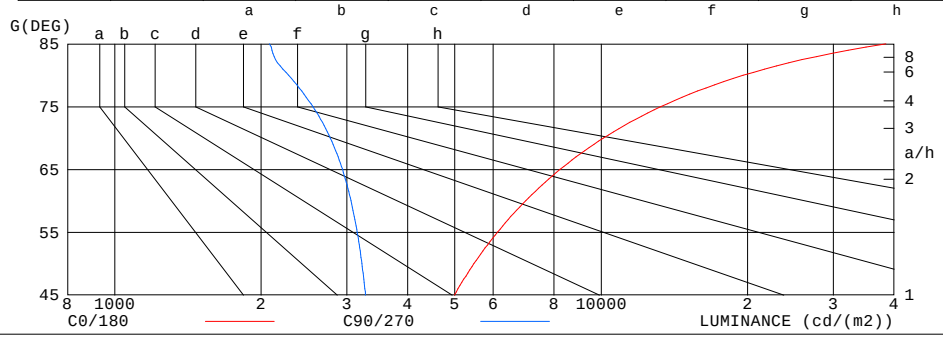
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	38479	2080
80	19575	2278
75	13259	2556
70	10108	2775
65	8233	2941
60	6994	3061
55	6121	3151
50	5479	3223
45	4991	3278

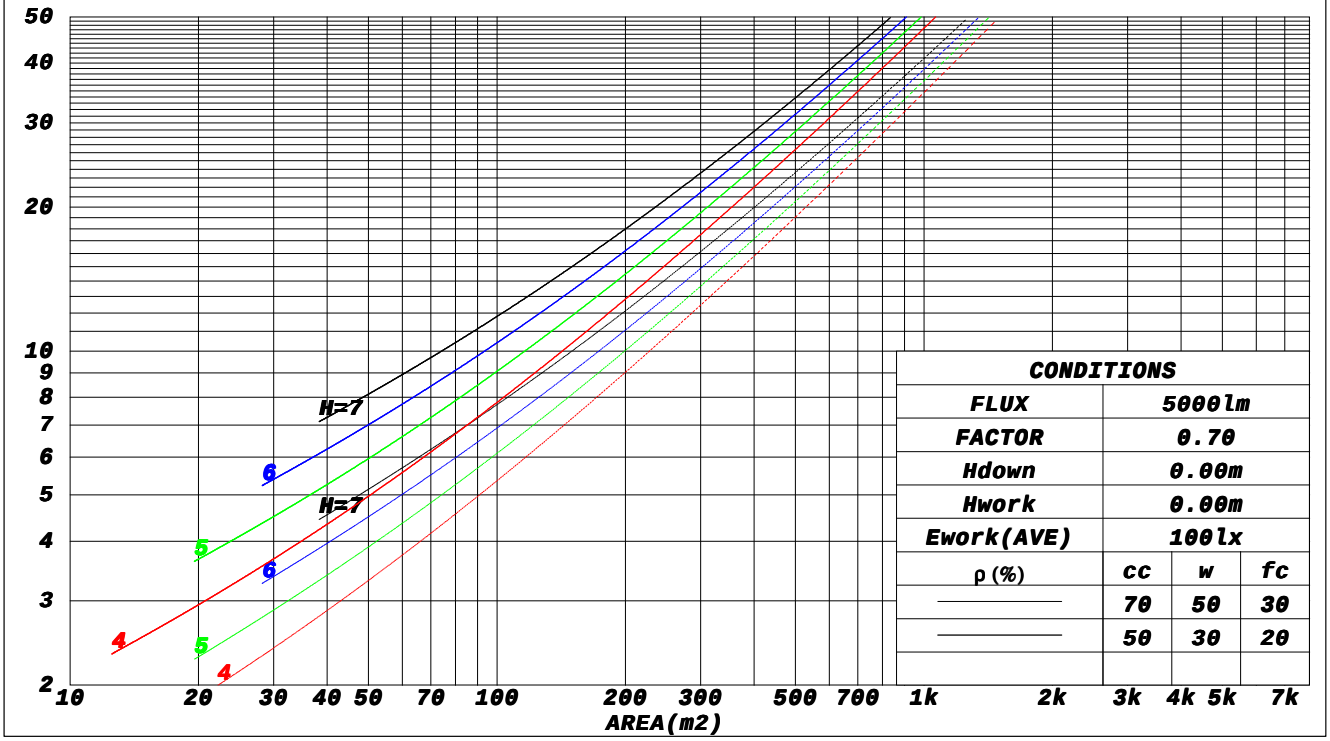
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:KEVINLI
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.35
2.0	.76	.69	.62	.70	.63	.58	.58	.53	.49	.47	.44	.40	.37	.35	.32	.27
3.0	.66	.57	.50	.60	.53	.47	.50	.44	.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	.45	.37	.30	.42	.34	.28	.35	.29	.24	.29	.24	.20	.23	.19	.16	.13
7.0	.41	.32	.26	.38	.30	.24	.32	.25	.21	.26	.21	.17	.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:KEVINLI
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

WEC AND CCEC

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Wall Exitance Coeffcients(WEC)												
0.0																
1.0	.367	.209	.066	.345	.197	.063	.303	.174	.056	.265	.153	.049	.229	.133	.043	
2.0	.315	.173	.053	.295	.162	.050	.257	.143	.044	.221	.124	.039	.189	.107	.034	
3.0	.279	.149	.045	.261	.140	.042	.226	.122	.037	.193	.106	.033	.163	.090	.028	
4.0	.251	.131	.038	.234	.123	.036	.202	.107	.032	.172	.093	.028	.145	.079	.024	
5.0	.228	.116	.034	.213	.109	.032	.183	.095	.028	.156	.082	.024	.130	.070	.021	
6.0	.210	.105	.030	.195	.099	.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	.021	.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	.071	.020	.126	.062	.017	.106	.053	.015	.088	.044	.013	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.055	
3.0	.555	.503	.462	.476	.434	.400	.327	.302	.281	.189	.176	.166	.061	.057	.054	
4.0	.548	.491	.448	.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	.165	.155	.058	.054	.051	

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	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	16.5	17.5	17.4	18.4	19.6	13.0	14.1	13.9	15.0	16.1
3H	19.7	20.7	20.6	21.6	22.7	14.5	15.5	15.4	16.4	17.5
4H	21.5	22.4	22.4	23.3	24.5	15.1	16.0	16.0	16.9	18.1
6H	23.6	24.4	24.5	25.3	26.5	15.5	16.3	16.4	17.2	18.4
8H	24.7	25.5	25.6	26.4	27.7	15.6	16.4	16.5	17.3	18.5
12H	26.0	26.8	26.9	27.7	28.9	15.7	16.4	16.6	17.4	18.6
4H 2H	17.0	17.9	17.9	18.8	20.0	14.6	15.5	15.5	16.4	17.6
3H	20.5	21.2	21.4	22.2	23.4	16.4	17.2	17.4	18.2	19.4
4H	22.5	23.2	23.4	24.1	25.4	17.2	17.9	18.2	18.9	20.1
6H	24.8	25.4	25.7	26.3	27.6	17.8	18.4	18.8	19.4	20.7
8H	26.0	26.6	27.0	27.6	28.9	18.0	18.6	19.0	19.6	20.9
12H	27.4	28.0	28.4	29.0	30.3	18.2	18.7	19.2	19.7	21.0
8H 4H	22.8	23.4	23.8	24.4	25.6	18.9	19.5	19.9	20.5	21.8
6H	25.4	25.9	26.4	26.9	28.2	20.1	20.5	21.1	21.5	22.9
8H	26.9	27.3	27.9	28.3	29.6	20.6	21.0	21.6	22.0	23.3
12H	28.6	28.9	29.6	30.0	31.3	20.9	21.3	21.9	22.3	23.7
12H 4H	22.8	23.3	23.8	24.3	25.6	19.5	20.1	20.5	21.1	22.4
6H	25.5	25.9	26.5	26.9	28.3	21.0	21.4	22.0	22.5	23.8
8H	27.1	27.5	28.1	28.5	29.8	21.8	22.1	22.8	23.2	24.5
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					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 1649 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.7)

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:

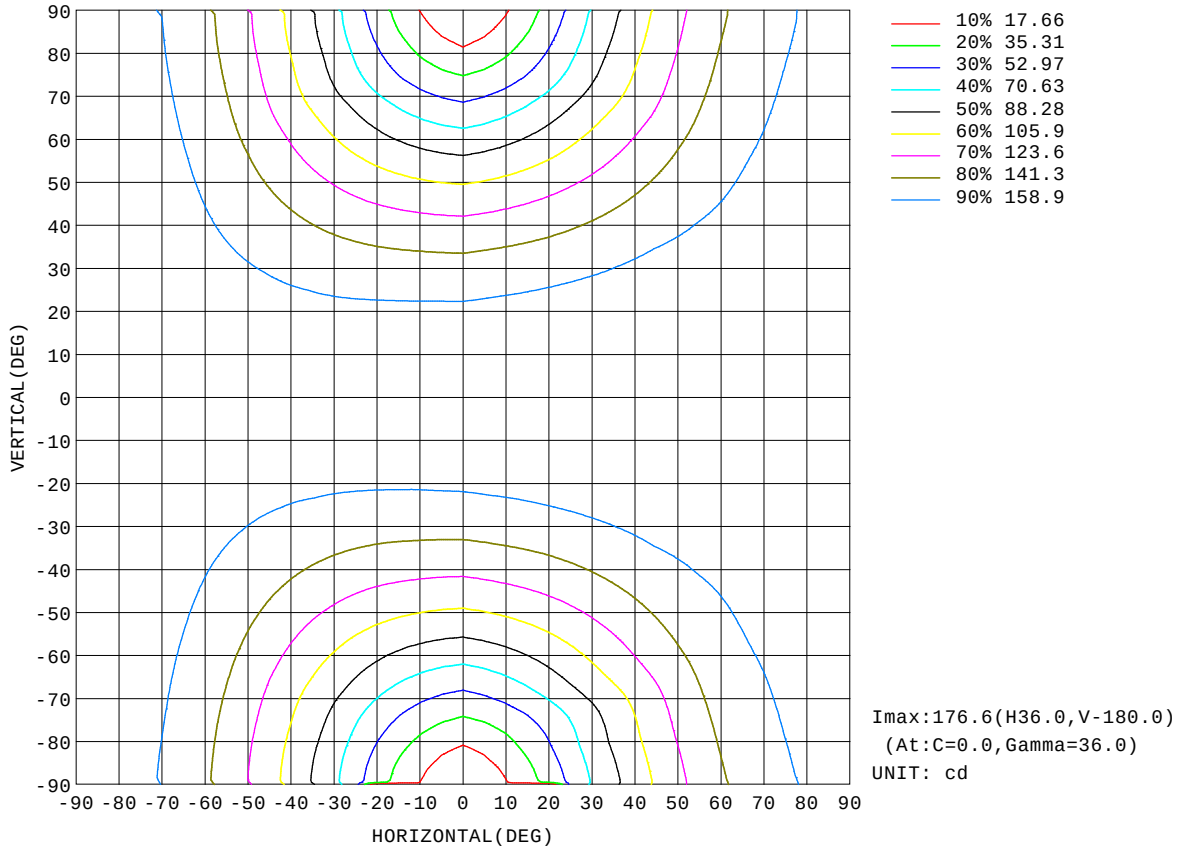
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	39	27	20	37	26	19	33	23	18	10
0.80	48	35	27	45	33	26	39	30	23	14
1.00	55	42	33	51	40	32	45	37	29	17
1.25	62	49	40	58	46	38	50	40	34	20
1.50	67	54	45	62	51	43	53	45	38	23
2.00	75	63	54	69	59	51	59	51	45	26
2.50	79	69	60	73	64	56	62	55	49	29
3.00	83	73	65	77	68	61	65	59	53	31
4.00	88	80	73	81	74	68	69	63	58	34
5.00	91	84	78	84	78	72	71	66	62	36
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:KEVINLI
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:



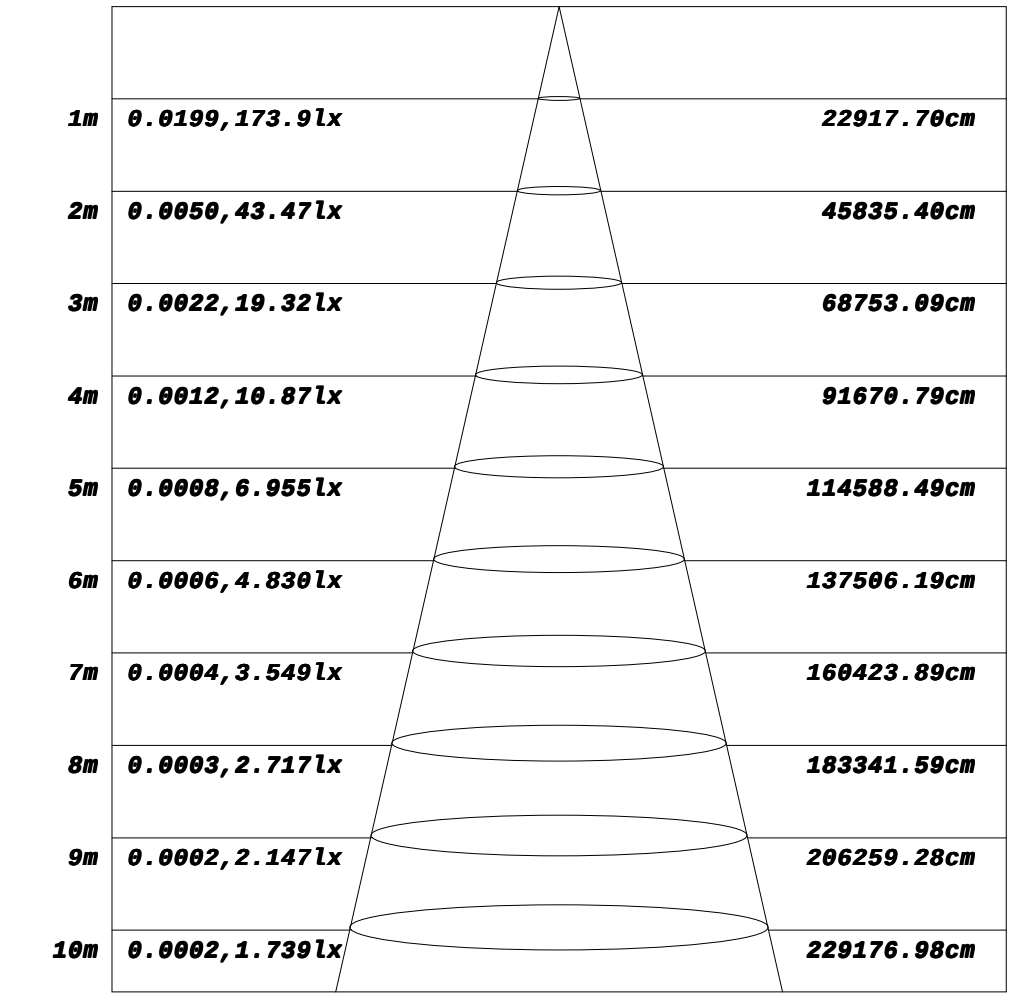
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:KEVINLI
Test Date:

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

AAI Figure

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:

Flux out:819.2 lm



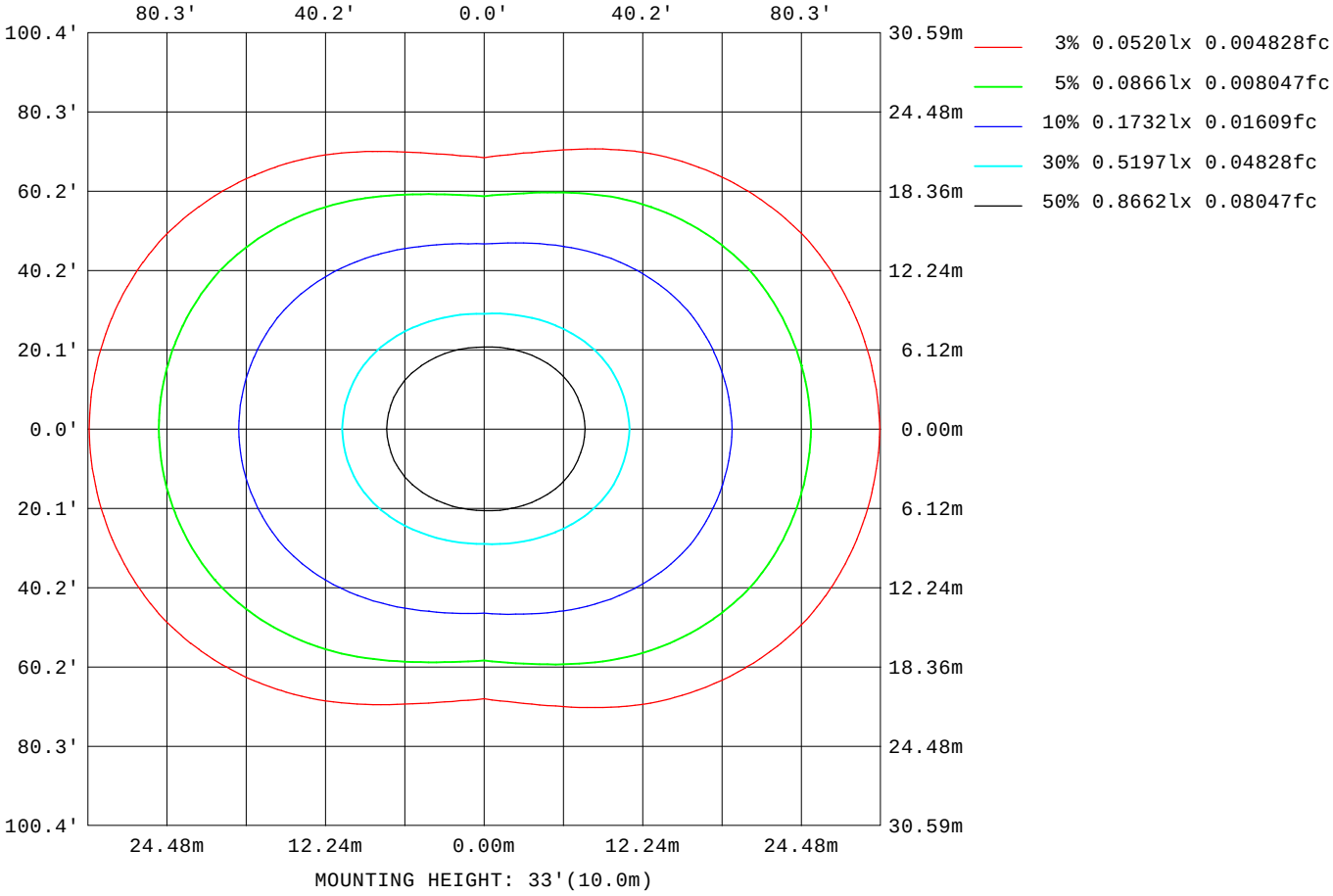
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

ISOLUX DIAGRAM

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:



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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

LED Avg.L Report

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:

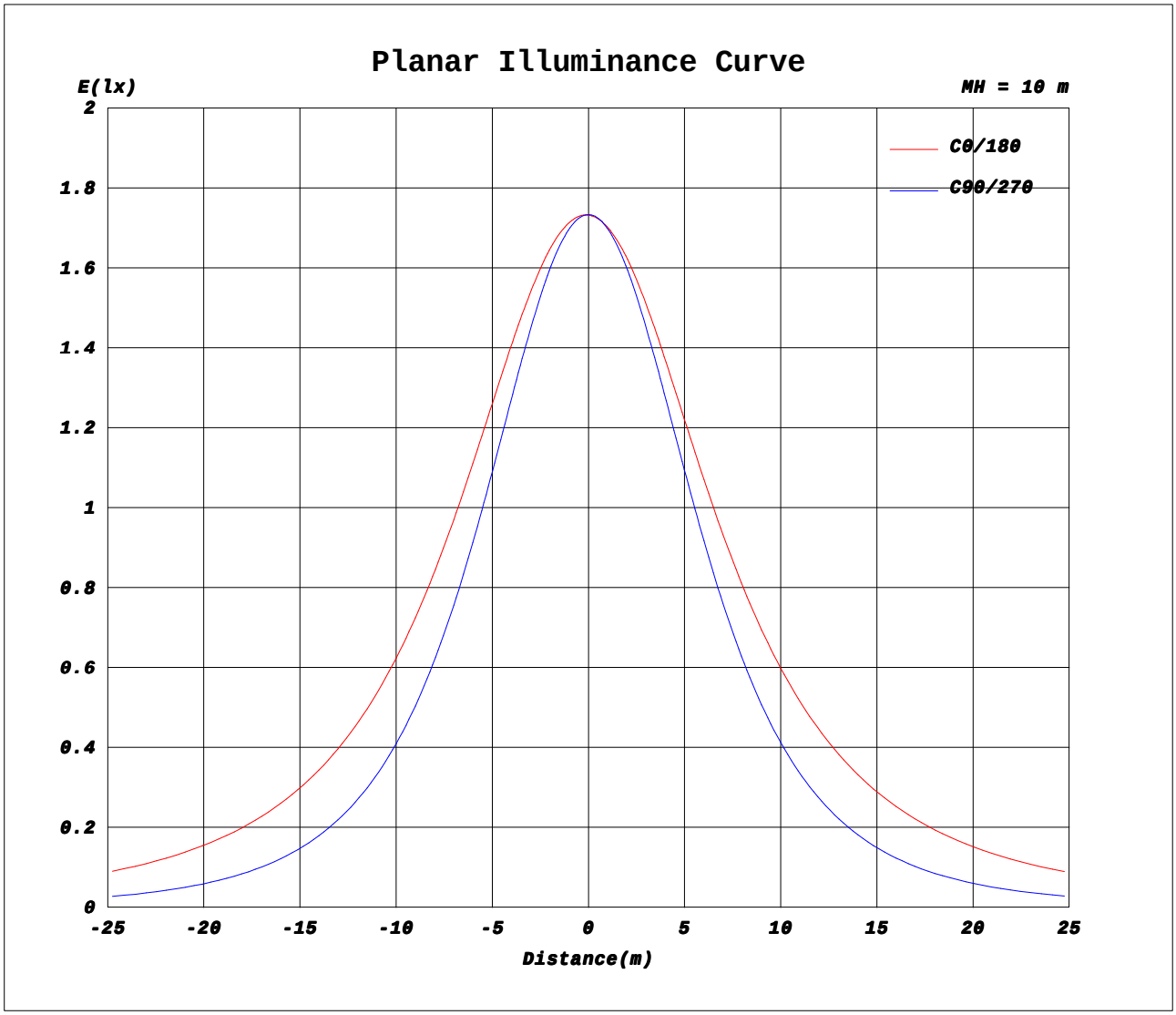
AvgL	cd/m2
L_0~180(65)av	8154
L_0~180(75)av	13273
L_0~180(85)av	38905
L_90~270(65)av	2969
L_90~270(75)av	2610
L_90~270(85)av	2162
L_45(65)av	5996
L_45(75)av	9096
L_45(85)av	25878

Standard: GB/T 29293-2012

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

Planar Illuminance Curve



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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	173	173	174	174	174	174	174	174	174	174	174	174	174	174	174	173	173	173	173
5	174	174	174	174	174	174	174	174	174	174	174	173	173	173	173	173	173	173	173
10	175	175	175	175	174	174	174	174	173	173	173	172	172	171	171	171	171	170	170
15	175	175	175	175	175	174	174	173	172	172	171	170	169	169	168	168	167	167	167
20	176	176	175	175	174	174	173	172	171	169	168	167	166	165	164	163	162	162	161
25	176	176	175	175	174	173	172	170	168	166	165	163	161	159	158	157	156	155	155
30	176	176	175	174	173	172	170	168	165	163	160	158	155	153	151	150	148	147	147
35	177	176	175	174	172	170	168	165	162	159	155	152	149	146	144	142	140	138	138
40	177	176	175	173	171	169	166	162	158	154	150	146	142	138	135	132	130	128	127
45	176	175	174	172	170	167	164	159	154	149	144	139	134	130	126	122	119	117	116
50	176	175	173	171	168	165	161	156	150	144	138	132	126	121	116	112	108	105	104
55	176	174	172	170	167	163	158	152	146	139	132	125	118	111	105	100	95.7	92.4	90.4
60	175	174	171	169	165	161	156	149	141	133	125	117	109	102	94.5	88.3	83.0	79.0	76.5
65	174	173	170	167	163	159	153	145	137	128	119	110	101	92.1	83.7	76.2	69.9	65.1	62.1
70	173	171	169	166	162	156	150	142	133	123	113	103	92.6	82.2	72.4	63.7	56.4	50.9	47.5
75	172	170	168	165	160	154	148	138	128	117	106	94.2	83.0	71.4	60.5	50.8	42.8	36.7	33.1
80	170	169	166	163	158	152	145	135	125	114	102	90.6	78.8	65.5	52.8	41.4	31.8	24.4	19.8
85	168	166	164	160	155	149	142	133	122	111	99.6	87.5	75.3	60.6	46.6	33.8	22.9	14.4	9.06
90	164	163	160	157	152	146	139	130	120	109	97.1	85.1	72.8	57.1	0.00	0.00	16.3	7.07	1.23
95	168	166	163	160	155	149	142	133	123	112	100	88.5	76.5	61.8	47.6	34.8	23.7	15.2	9.78
100	170	168	166	162	157	151	144	135	125	115	104	92.4	80.9	67.5	54.8	43.2	33.4	25.8	21.0
105	172	170	167	164	159	154	147	138	129	118	108	96.8	86.0	74.3	63.2	53.3	44.9	38.5	34.5
110	173	171	169	165	161	156	150	142	133	123	114	104	94.2	83.8	74.1	65.3	57.9	52.3	48.8
115	174	172	170	167	163	158	153	145	137	129	120	111	102	93.4	85.0	77.5	71.2	66.3	63.3
120	175	173	171	168	165	161	156	149	141	134	126	118	110	103	95.7	89.4	84.1	80.1	77.6
125	176	174	172	170	167	163	158	152	146	139	132	125	119	112	106	101	96.8	93.5	91.5
130	176	175	173	171	168	165	161	156	150	145	139	133	127	122	117	113	109	106	105
135	176	175	174	172	170	167	164	159	155	150	145	140	135	131	127	123	120	118	117
140	177	176	174	173	171	169	166	162	159	155	151	147	143	139	136	133	131	129	128
145	177	176	175	174	172	170	168	165	162	159	156	153	150	147	145	142	141	139	138
150	176	176	175	174	173	171	170	168	165	163	161	158	156	154	152	150	149	148	147
155	176	176	175	174	174	173	171	170	168	167	165	163	161	160	159	157	156	156	155
160	176	175	175	175	174	173	173	172	170	169	168	167	166	165	164	163	162	162	162
165	175	175	175	175	174	174	173	173	172	171	171	170	169	169	168	168	167	167	167
170	175	175	174	174	174	174	174	174	173	173	172	172	172	171	171	171	171	171	170
175	174	174	174	174	174	174	174	174	174	173	173	173	173	173	173	173	173	173	173
180	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:

Table--2 UNIT: cd

γ (DEG) \ C(DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173
5	173	172	172	172	172	172	173	173	173	173	173	173	173	173	173	173	173	173	173
10	170	170	170	170	170	171	171	171	171	171	172	172	172	172	172	172	172	172	172
15	166	167	167	167	167	167	168	168	169	170	170	171	171	171	172	172	172	172	172
20	161	161	162	162	163	163	164	165	166	167	168	169	169	170	171	171	171	171	171
25	155	155	156	156	157	158	160	161	162	164	165	167	168	169	169	170	171	171	171
30	147	147	148	149	151	152	154	156	158	160	162	164	166	167	168	169	170	170	170
35	138	139	140	141	143	145	148	151	154	156	159	162	164	166	167	168	169	170	169
40	128	129	130	132	135	138	141	145	149	152	156	159	162	164	166	168	169	169	169
45	116	118	120	123	126	130	134	139	143	148	153	157	160	163	166	167	169	169	169
50	104	106	109	113	117	121	127	132	138	144	149	155	159	162	165	167	169	170	169
55	91.6	94.0	97.6	102	107	113	120	126	133	140	146	153	157	161	165	167	169	170	169
60	78.2	81.4	85.8	91.4	97.8	105	113	120	128	136	144	151	156	161	164	167	169	170	169
65	64.4	68.5	74.1	81.0	88.8	97.4	106	115	124	133	141	149	155	160	164	168	170	171	170
70	50.5	55.6	62.5	70.9	80.3	90.4	100	110	120	130	139	148	154	160	165	168	170	171	171
75	37.0	43.3	51.5	61.3	72.3	84.0	95.0	106	117	128	138	147	154	160	165	168	171	172	171
80	24.6	32.1	42.0	53.6	66.3	79.8	91.6	103	115	126	136	146	153	160	165	168	171	172	171
85	14.6	23.1	34.2	47.1	61.3	76.2	88.7	101	113	124	135	145	152	159	164	168	170	171	171
90	7.74	17.6	0.00	0.00	60.4	76.6	89.5	102	114	125	136	145	153	159	163	167	169	170	169
95	15.5	24.3	35.7	48.9	63.4	78.4	90.9	103	115	126	137	146	154	160	165	168	171	171	170
100	25.9	33.6	43.5	55.3	68.2	81.8	93.7	105	117	128	138	148	155	161	166	169	171	172	171
105	38.3	44.5	52.7	62.6	73.6	85.4	96.4	108	119	129	139	148	155	161	166	169	171	172	171
110	51.9	57.1	64.1	72.5	82.0	92.2	102	112	122	132	141	149	156	161	165	169	171	171	170
115	65.7	70.0	75.7	82.7	90.7	99.4	108	117	126	135	143	150	156	161	165	168	170	171	170
120	79.4	82.8	87.4	93.1	99.7	107	114	122	130	138	145	152	157	161	165	168	169	170	169
125	92.8	95.4	99.0	104	109	115	121	128	135	141	148	154	158	162	165	168	169	170	169
130	106	108	110	114	118	123	128	134	140	145	151	156	160	163	166	168	169	170	169
135	118	119	121	124	127	131	136	140	145	149	154	158	161	164	166	168	169	169	169
140	129	130	131	134	136	139	143	146	150	154	157	160	163	165	167	168	169	169	169
145	139	140	141	142	144	147	149	152	155	158	160	163	165	166	168	169	169	170	169
150	148	148	149	150	152	153	155	157	159	161	163	165	167	168	169	169	170	170	170
155	155	156	156	157	158	159	161	162	163	165	166	167	168	169	170	170	171	171	171
160	162	162	162	163	164	164	165	166	167	168	169	170	170	171	171	171	171	171	171
165	167	167	167	167	168	168	169	169	170	170	171	171	171	172	172	172	172	172	172
170	170	170	171	171	171	171	171	172	172	172	172	172	173	173	173	173	172	172	172
175	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173
180	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:

Table--3 UNIT: cd

γ (DEG) \ C(DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	173	174	174	174	174	174	174	174	174	174	174	174	174	173	173	173	173	173	173
5	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173
10	173	173	173	173	172	172	172	172	172	171	171	171	171	171	170	170	170	171	171
15	172	172	172	171	171	171	170	170	169	169	168	168	167	167	167	167	167	167	167
20	171	171	171	170	170	169	168	167	166	165	164	164	163	162	162	162	162	162	162
25	170	170	169	168	167	166	165	163	162	161	159	158	157	156	156	155	155	156	156
30	169	169	168	167	165	163	161	159	157	155	153	152	150	149	148	148	147	148	149
35	169	168	166	165	163	160	158	155	152	149	147	144	142	141	140	139	138	139	141
40	168	167	165	163	160	157	154	150	146	143	139	136	134	131	130	129	128	129	131
45	168	166	164	161	158	154	149	145	140	136	131	127	124	121	119	118	117	118	120
50	168	166	163	160	156	151	145	140	134	128	123	118	114	110	108	106	105	106	109
55	168	165	162	158	154	148	141	135	128	121	115	109	104	99.0	95.4	92.8	91.5	93.5	96.8
60	168	165	161	157	152	145	138	130	122	114	107	99.7	93.1	87.4	82.8	79.4	77.6	80.1	84.1
65	168	165	161	156	150	143	135	126	117	108	99.4	90.7	82.7	75.7	70.0	65.7	63.3	66.3	71.2
70	169	165	161	156	149	141	132	122	112	102	92.2	82.0	72.5	64.1	57.1	51.9	48.8	52.3	57.9
75	169	166	161	155	148	139	129	119	108	96.4	85.4	73.6	62.6	52.7	44.5	38.3	34.5	38.5	44.9
80	169	166	161	155	148	138	128	117	105	93.7	81.8	68.2	55.3	43.5	33.6	25.9	21.0	25.8	33.4
85	168	165	160	154	146	137	126	115	103	90.9	78.4	63.4	48.9	35.7	24.3	15.5	9.78	15.2	23.7
90	166	163	158	151	144	134	124	112	99.8	87.2	74.3	58.4	43.1	29.1	17.0	7.54	1.36	7.06	16.0
95	168	164	159	152	145	135	124	113	101	88.7	76.2	61.3	47.1	34.2	23.1	14.6	9.06	14.4	22.9
100	168	165	160	153	146	136	126	115	103	91.6	79.8	66.3	53.6	42.0	32.1	24.6	19.8	24.4	31.8
105	168	165	160	154	147	138	128	117	106	95.0	84.0	72.3	61.3	51.5	43.3	37.0	33.1	36.7	42.8
110	168	165	160	154	148	139	130	120	110	100	90.4	80.3	70.9	62.5	55.6	50.5	47.5	50.9	56.4
115	168	164	160	155	149	141	133	124	115	106	97.4	88.8	81.0	74.1	68.5	64.4	62.1	65.1	69.9
120	167	164	161	156	151	144	136	128	120	113	105	97.8	91.4	85.8	81.4	78.2	76.5	79.0	83.0
125	167	165	161	157	153	146	140	133	126	120	113	107	102	97.6	94.0	91.6	90.4	92.4	95.7
130	167	165	162	159	155	149	144	138	132	127	121	117	113	109	106	104	104	105	108
135	167	166	163	160	157	153	148	143	139	134	130	126	123	120	118	116	116	117	119
140	168	166	164	162	159	156	152	149	145	141	138	135	132	130	129	128	127	128	130
145	168	167	166	164	162	159	156	154	151	148	145	143	141	140	139	138	138	138	140
150	169	168	167	166	164	162	160	158	156	154	152	151	149	148	147	147	147	147	148
155	170	169	169	168	167	165	164	162	161	160	158	157	156	156	155	155	155	155	156
160	171	171	170	169	169	168	167	166	165	164	163	163	162	162	161	161	161	162	162
165	172	172	171	171	171	170	170	169	168	168	167	167	167	167	167	166	167	167	167
170	172	172	172	172	172	172	171	171	171	171	171	170	170	170	170	170	170	170	171
175	173	173	173	173	173	173	173	173	173	173	172	172	172	172	172	173	173	173	173
180	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.8000A P:19.20W PF:1.000 Freq:0Hz Lamp Flux:1649.29x1 lm		
NAME: D25G-4000K	TYPE:D25G-4000K	WEIGHT:
SPEC.:	DIM.: 1000*D25	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*25*2	Shielding Angle:

Table--4 UNIT: cd

γ (DEG) \ C(DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173				
5	173	173	173	173	173	173	173	174	174	174	174	174	174	174	174				
10	171	171	171	172	172	172	173	173	174	174	174	174	174	174	175				
15	168	168	169	169	170	171	171	172	173	173	174	174	175	175	175				
20	163	164	165	166	167	168	169	170	172	173	173	174	175	175	175				
25	157	159	160	161	163	165	167	168	170	171	173	174	174	175	176				
30	150	152	154	156	158	161	163	165	168	170	171	173	174	175	176				
35	142	145	147	150	153	156	159	162	165	168	170	172	174	175	176				
40	133	136	139	143	147	151	155	159	162	166	169	171	173	174	176				
45	123	127	131	135	140	145	150	155	159	164	167	170	172	174	175				
50	113	117	122	127	133	139	145	150	156	161	165	168	171	173	175				
55	101	106	112	119	125	132	139	146	152	158	163	167	170	172	174				
60	89.4	95.7	103	110	118	126	134	141	149	156	161	165	168	171	173				
65	77.5	85.0	93.4	102	111	120	129	137	145	153	158	163	167	170	172				
70	65.3	74.1	83.8	94.2	104	114	123	133	142	150	156	161	165	169	171				
75	53.3	63.2	74.3	86.0	96.8	108	118	129	138	147	154	159	164	167	170				
80	43.2	54.8	67.5	80.9	92.4	104	115	125	135	144	151	157	162	166	168				
85	34.8	47.6	61.8	76.5	88.5	100	112	123	133	142	149	155	160	163	166				
90	27.7	41.2	56.1	71.5	84.0	96.3	108	119	130	139	146	152	157	161	163				
95	33.8	46.6	60.6	75.3	87.5	99.6	111	122	133	142	149	155	160	164	166				
100	41.4	52.8	65.5	78.8	90.6	102	114	125	135	145	152	158	163	166	169				
105	50.8	60.5	71.4	83.0	94.2	106	117	128	138	148	154	160	165	168	170				
110	63.7	72.4	82.2	92.6	103	113	123	133	142	150	156	162	166	169	171				
115	76.2	83.7	92.1	101	110	119	128	137	145	153	159	163	167	170	173				
120	88.3	94.5	102	109	117	125	133	141	149	156	161	165	169	171	174				
125	100	105	111	118	125	132	139	146	152	158	163	167	170	172	174				
130	112	116	121	126	132	138	144	150	156	161	165	168	171	173	175				
135	122	126	130	134	139	144	149	154	159	164	167	170	172	174	175				
140	132	135	138	142	146	150	154	158	162	166	169	171	173	175	176				
145	142	144	146	149	152	155	159	162	165	168	170	172	174	175	176				
150	150	151	153	155	158	160	163	165	168	170	172	173	174	175	176				
155	157	158	159	161	163	165	166	168	170	172	173	174	175	175	176				
160	163	164	165	166	167	168	169	171	172	173	174	174	175	175	176				
165	168	168	169	169	170	171	172	172	173	174	174	175	175	175	175				
170	171	171	171	172	172	173	173	173	174	174	174	174	175	175	175				
175	173	173	173	173	173	174	174	174	174	174	174	174	174	174	174				
180	173	173	173	173	173	173	173	173	173	173	173	173	173	173	173				

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

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.353
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: S2835L280V24NW40K85IP20-10-D25G