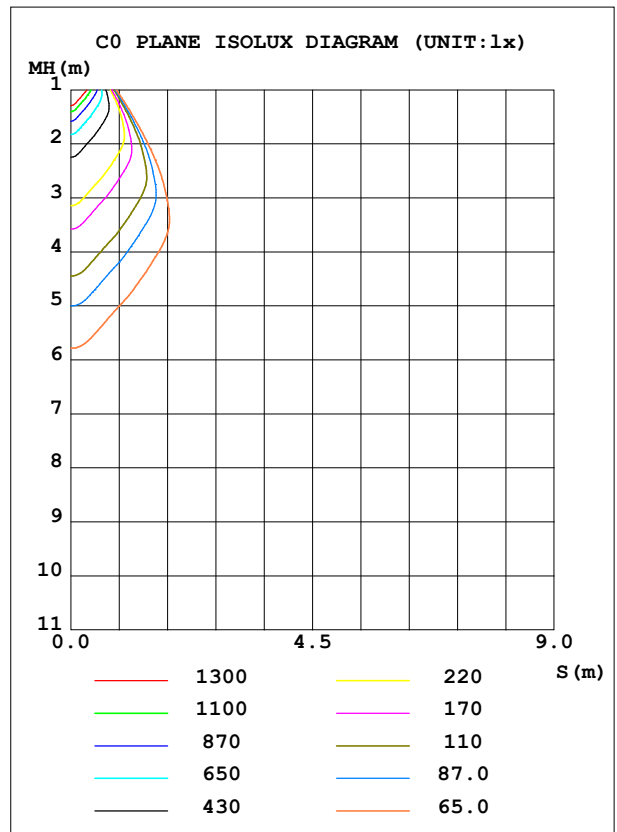
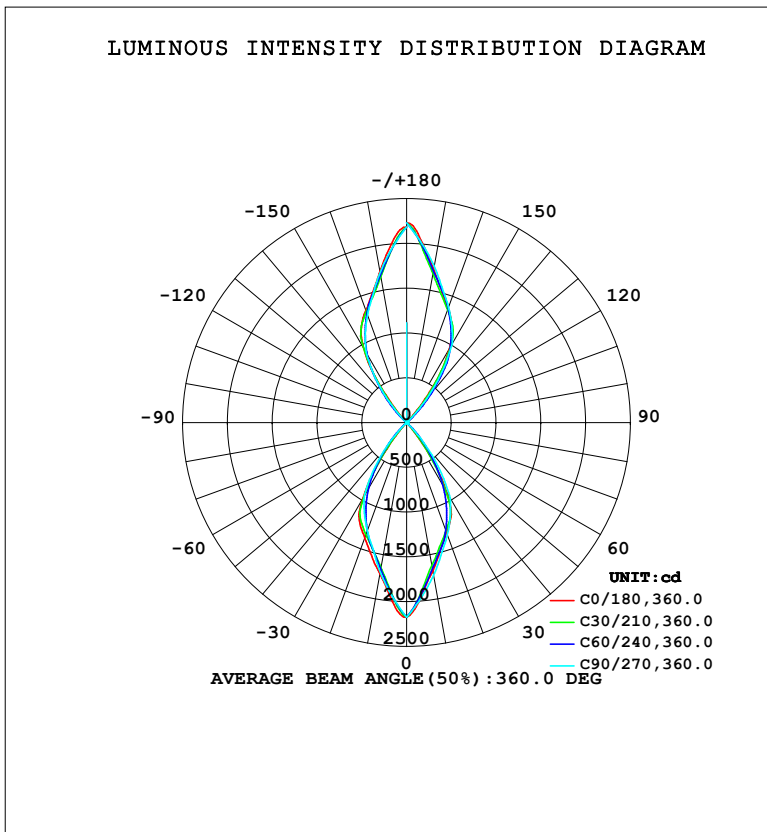


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	UDL27W-WW-B	Imax (cd)	2231	S/MH (C0/180)	0.78
NOMINAL POWER (W)	27	LOR (%)	100.0	S/MH (C90/270)	0.74
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3060.0	η UP, DN (C0-180)	24.5, 24.6
NOMINAL FLUX (lm)	3060.03	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	26.2, 24.7
LAMPS INSIDE	1	η up (%)	50.7	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	49.3	CIBSE SHR MAX	0.85



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [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	1716	1647	1696	1615	1687	1631	1733	1677	0- 10	175.3	175.3	5.73,5.73
20	1369	1328	1287	1295	1311	1307	1333	1382	10- 20	413.8	589.1	19.3,19.3
30	990.9	839.4	947.1	820.5	894.9	793.0	975.8	872.2	20- 30	516.1	1105	36.1,36.1
40	158.1	155.6	330.2	136.5	105.2	122.3	338.7	157.6	30- 40	335.4	1441	47.1,47.1
50	12.52	14.63	15.55	13.89	10.13	11.75	14.22	14.94	40- 50	57.84	1498	49,49
60	2.950	4.040	3.143	3.804	2.456	2.971	2.455	3.837	50- 60	6.465	1505	49.2,49.2
70	1.005	1.186	1.653	1.122	0.8718	0.9337	1.360	1.123	60- 70	1.846	1507	49.2,49.2
80	0.5502	0.7812	0.7132	0.6221	0.4393	0.5522	0.6546	0.8045	70- 80	0.9067	1508	49.3,49.3
90	0.1099	0.5421	0.3224	0.2271	0.0953	0.1905	0.3370	0.5788	80- 90	0.5481	1508	49.3,49.3
100	0.4546	0.6854	0.6008	0.5215	0.4763	0.5942	0.7132	0.8024	90-100	0.5225	1509	49.3,49.3
110	0.8869	0.9862	1.272	0.8694	0.9232	1.158	1.890	1.151	100-110	0.8593	1510	49.3,49.3
120	2.942	3.852	2.337	2.994	2.965	4.668	3.868	4.494	110-120	1.905	1511	49.4,49.4
130	12.34	14.48	13.47	11.25	12.16	19.32	18.76	15.72	120-130	7.066	1519	49.6,49.6
140	151.3	163.4	314.7	135.2	182.6	252.2	358.1	181.4	130-140	65.41	1584	51.8,51.8
150	957.3	861.5	906.0	783.7	959.7	937.2	1022	864.3	140-150	360.0	1944	63.5,63.5
160	1334	1343	1279	1297	1359	1367	1372	1336	150-160	519.6	2463	80.5,80.5
170	1717	1666	1706	1637	1741	1701	1775	1704	160-170	417.8	2881	94.2,94.2
180	2185	2185	2185	2185	2231	2231	2231	2231	170-180	178.8	3060	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1487.9 lm

%lum = 48.6%

%lamp = 48.6%

Conical surface Flux(120deg): 1504.9 lm

%lum = 49.2%

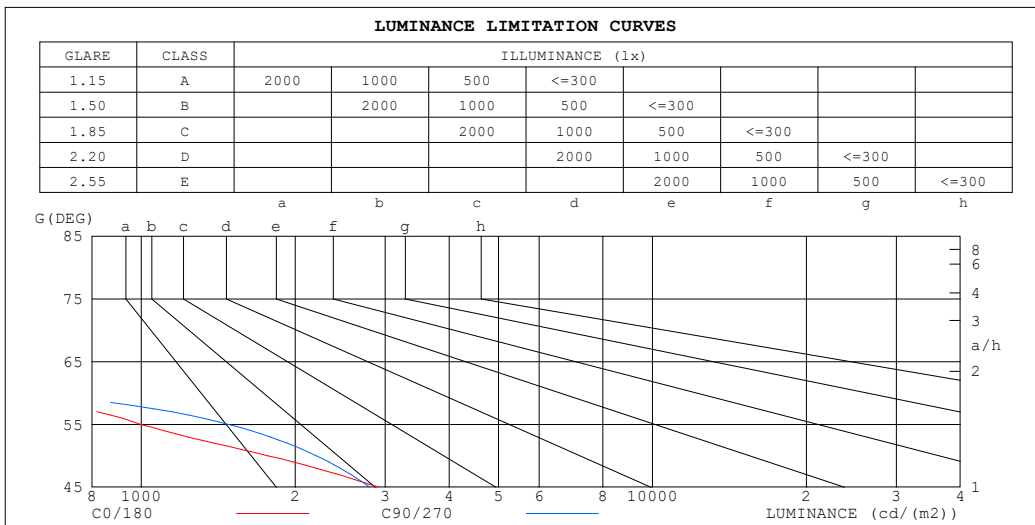
%lamp = 49.2%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	382	540
80	288	373
75	265	319
70	267	439
65	335	516
60	536	572
55	998	1482
50	1770	2200
45	2913	2797

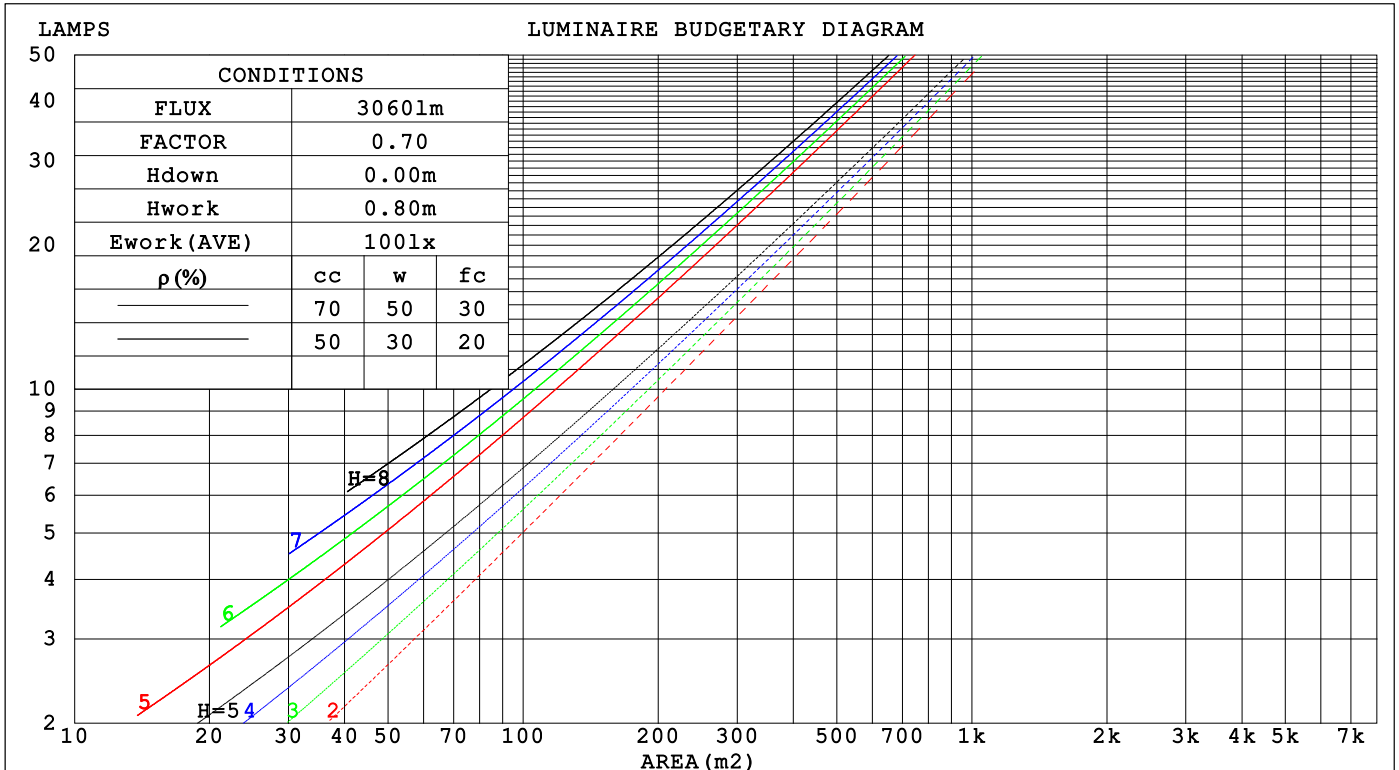
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.07	1.07	1.07	.99	.99	.99	.83	.83	.83	.69	.69	.69	.55	.55	.55	.49
1.0	.97	.94	.91	.89	.87	.85	.76	.74	.73	.64	.63	.62	.53	.52	.51	.46
2.0	.88	.83	.79	.81	.77	.74	.70	.67	.65	.59	.58	.56	.50	.49	.48	.43
3.0	.80	.74	.69	.74	.70	.66	.65	.61	.58	.55	.53	.51	.47	.45	.44	.40
4.0	.73	.67	.62	.68	.63	.59	.60	.56	.53	.52	.49	.47	.44	.42	.41	.38
5.0	.67	.60	.55	.63	.57	.53	.55	.51	.48	.48	.45	.43	.42	.40	.38	.35
6.0	.62	.55	.50	.58	.52	.48	.51	.47	.44	.45	.42	.40	.39	.37	.36	.33
7.0	.57	.50	.46	.54	.48	.44	.48	.44	.40	.42	.39	.37	.37	.35	.33	.31
8.0	.53	.46	.42	.50	.44	.40	.45	.40	.37	.40	.37	.34	.35	.33	.31	.29
9.0	.49	.43	.39	.47	.41	.37	.42	.38	.35	.38	.34	.32	.33	.31	.29	.27
10.0	.46	.40	.36	.44	.38	.35	.40	.35	.32	.35	.32	.30	.32	.29	.28	.26



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz								
Lamp Flux:3060.03x1 lm								
NAME: UDL27W-WW-B			TYPE: 27W			WEIGHT:		
SPEC.: 3000K			DIM.:			SERIAL No.:		
MFR.:			SUR.: 0.011			Shielding Angle:		

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	.216	.123	.039	.194	.111	.035	.153	.088	.028	.115	.066	.021	.079	.046	.015	
2.0	.202	.111	.034	.182	.100	.031	.144	.080	.025	.110	.062	.019	.078	.044	.014	
3.0	.189	.101	.030	.171	.091	.028	.137	.074	.022	.105	.058	.018	.076	.042	.013	
4.0	.177	.092	.027	.161	.084	.025	.129	.069	.020	.100	.054	.016	.073	.040	.012	
5.0	.167	.085	.025	.151	.078	.023	.123	.064	.019	.096	.051	.015	.071	.038	.011	
6.0	.157	.079	.023	.143	.072	.021	.116	.060	.017	.091	.048	.014	.068	.036	.011	
7.0	.148	.073	.021	.135	.067	.019	.111	.056	.016	.088	.045	.013	.066	.034	.010	
8.0	.140	.069	.019	.128	.063	.018	.105	.053	.015	.084	.042	.012	.063	.033	.009	
9.0	.133	.064	.018	.122	.059	.017	.101	.050	.014	.080	.040	.012	.061	.031	.009	
10.0	.127	.061	.017	.116	.056	.016	.096	.047	.013	.077	.038	.011	.059	.030	.009	

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	.577	.577	.577	.493	.493	.493	.337	.337	.337	.193	.193	.193	.062	.062	.062	
1.0	.563	.547	.531	.482	.469	.457	.330	.323	.316	.190	.187	.184	.061	.060	.059	
2.0	.552	.525	.501	.473	.452	.433	.324	.312	.302	.187	.182	.177	.060	.059	.058	
3.0	.543	.508	.480	.466	.438	.416	.320	.304	.292	.185	.178	.172	.059	.058	.056	
4.0	.535	.495	.465	.459	.428	.404	.316	.298	.285	.183	.175	.168	.059	.057	.055	
5.0	.528	.486	.454	.453	.420	.395	.312	.293	.279	.181	.172	.165	.058	.056	.055	
6.0	.522	.478	.446	.448	.414	.388	.309	.290	.275	.179	.170	.163	.058	.056	.054	
7.0	.516	.471	.440	.444	.408	.383	.307	.286	.272	.178	.169	.162	.058	.055	.053	
8.0	.511	.466	.435	.440	.404	.379	.304	.284	.269	.177	.167	.160	.057	.055	.053	
9.0	.506	.461	.431	.436	.400	.376	.302	.281	.267	.176	.166	.159	.057	.055	.053	
10.0	.501	.457	.428	.432	.397	.374	.300	.279	.265	.175	.165	.158	.057	.054	.053	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	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	13.9	14.6	14.7	15.4	16.4	15.3	16.0	16.1	16.8	17.9
3H	13.6	14.2	14.4	15.1	16.1	15.0	15.6	15.9	16.5	17.5
4H	13.4	14.0	14.3	14.9	16.0	14.8	15.4	15.7	16.3	17.4
6H	13.2	13.8	14.1	14.7	15.8	14.6	15.2	15.6	16.1	17.2
8H	13.1	13.7	14.1	14.6	15.7	14.5	15.1	15.5	16.0	17.1
12H	13.0	13.6	14.0	14.5	15.6	14.5	15.0	15.4	15.9	17.0
4H 2H	13.4	14.0	14.3	14.9	16.0	14.8	15.4	15.7	16.3	17.4
3H	13.0	13.6	14.0	14.5	15.6	14.5	15.0	15.4	15.9	17.0
4H	12.9	13.3	13.8	14.3	15.4	14.3	14.7	15.2	15.7	16.9
6H	12.7	13.1	13.7	14.0	15.3	14.1	14.5	15.1	15.4	16.7
8H	12.6	12.9	13.6	13.9	15.2	14.0	14.4	15.0	15.3	16.6
12H	12.5	12.8	13.5	13.8	15.1	13.9	14.2	14.9	15.2	16.5
8H 4H	12.6	12.9	13.6	13.9	15.2	14.0	14.4	15.0	15.3	16.6
6H	12.4	12.7	13.4	13.7	15.0	13.8	14.1	14.8	15.1	16.4
8H	12.3	12.6	13.3	13.6	14.9	13.7	14.0	14.7	15.0	16.3
12H	12.2	12.4	13.2	13.4	14.8	13.6	13.8	14.7	14.9	16.2
12H 4H	12.5	12.8	13.5	13.8	15.1	13.9	14.2	14.9	15.2	16.5
6H	12.3	12.6	13.3	13.6	14.9	13.7	14.0	14.7	15.0	16.3
8H	12.2	12.4	13.2	13.4	14.8	13.6	13.8	14.7	14.9	16.2

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 4.4 / -15.7	+ 3.3 / -17.1
1.5H	+ 7.1 / -13.5	+ 6.1 / -15.3
2.0H	+ 4.3 / - 4.4	+ 3.5 / - 4.7

CIE Pub.117, 3060 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.9)
Area: 0.011 m2

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	Shielding Angle:

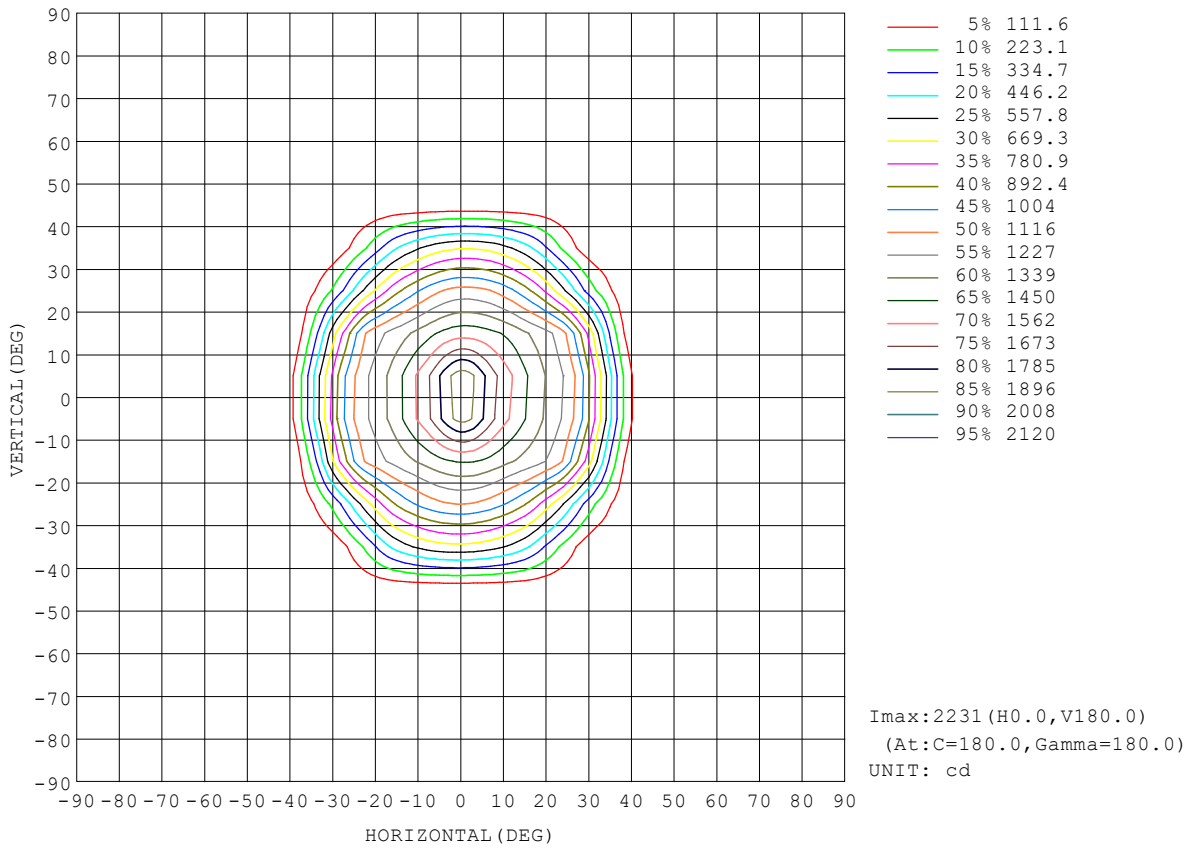
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	52	47	57	50	46	52	47	44	37
0.80	68	60	55	64	57	53	58	53	50	41
1.00	74	65	60	70	63	58	62	57	54	43
1.25	79	71	66	74	68	63	66	61	58	45
1.50	83	75	70	78	71	67	68	64	61	46
2.00	88	81	76	82	76	72	71	68	65	47
2.50	91	85	80	85	80	76	73	70	67	47
3.00	94	88	84	87	82	79	75	72	69	48
4.00	97	92	89	90	86	83	77	75	73	48
5.00	99	95	92	92	89	86	78	76	75	49
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	Shielding Angle:

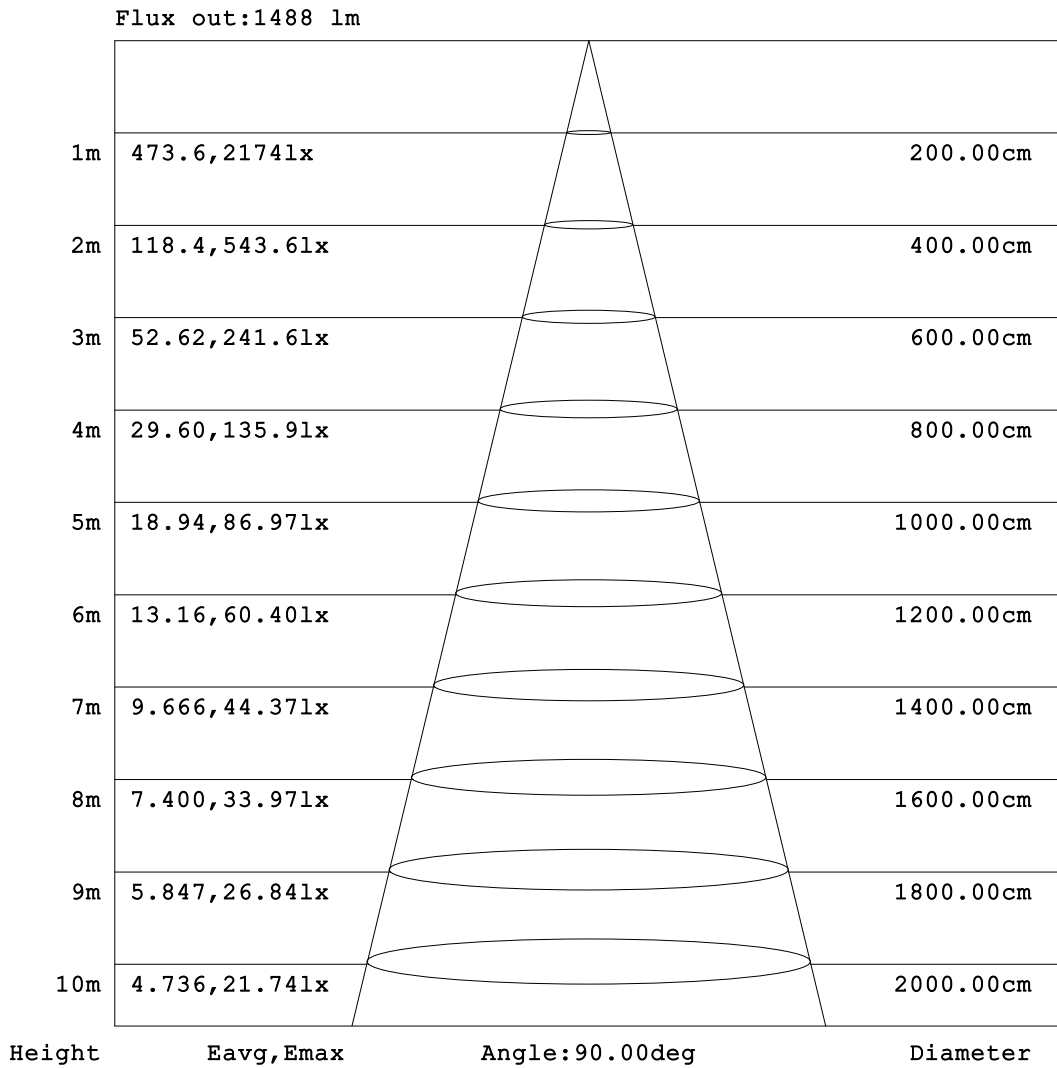


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	Shielding Angle:



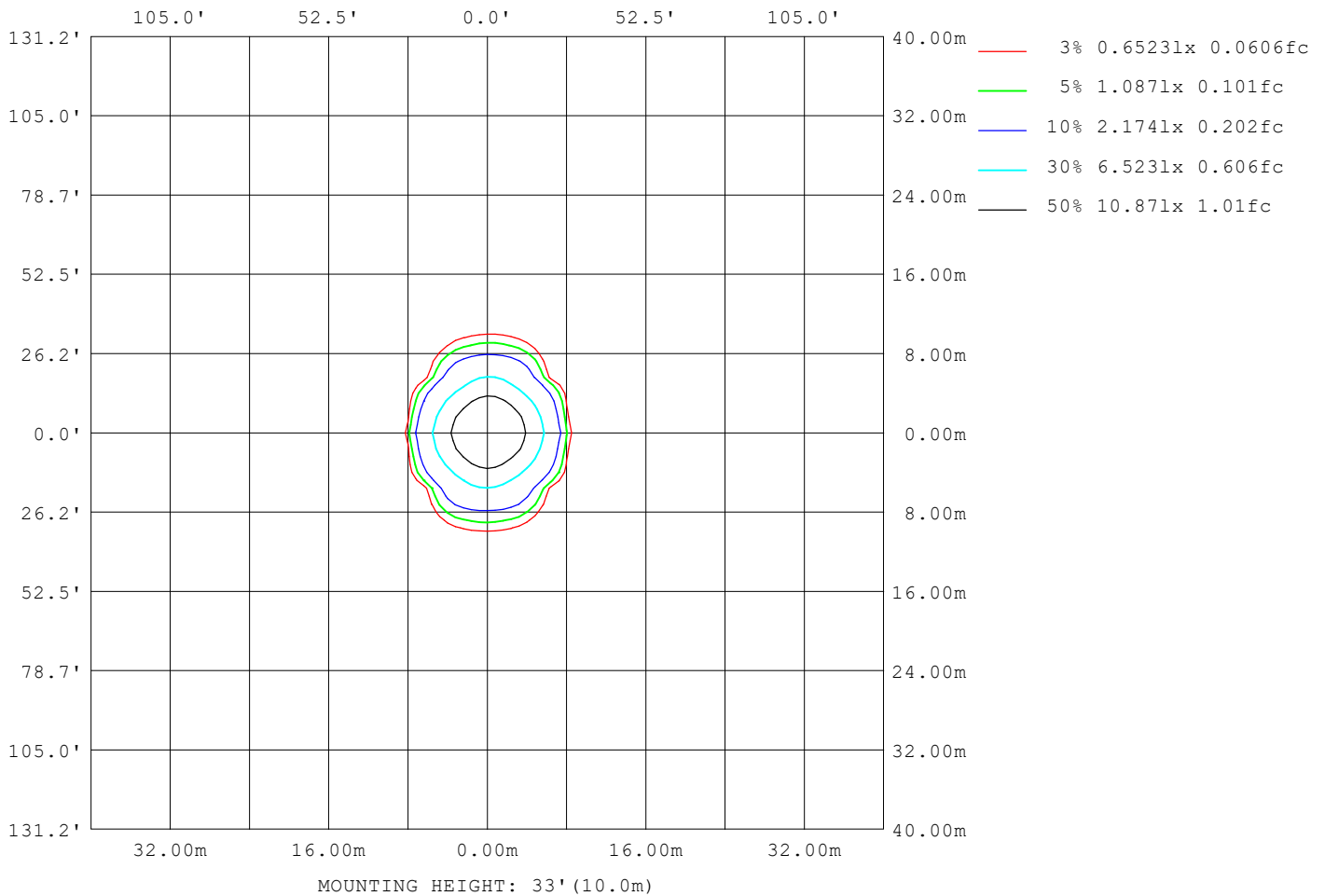
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	Shielding Angle:

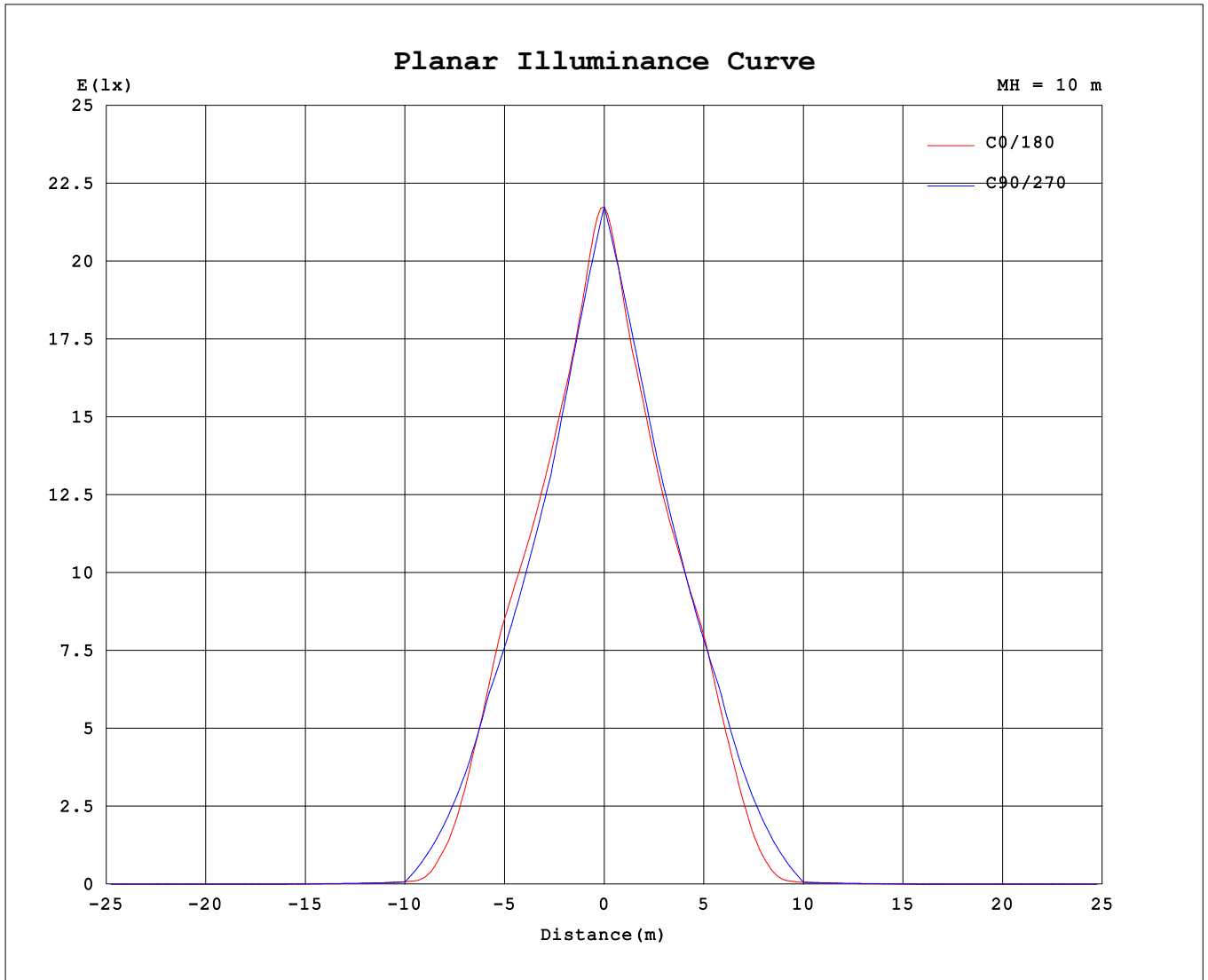
AvgL	cd/m2
L_0~180 (65) av	308
L_0~180 (75) av	247
L_0~180 (85) av	317
L_90~270 (65) av	463
L_90~270 (75) av	302
L_90~270 (85) av	529
L_45 (65) av	417
L_45 (75) av	308
L_45 (85) av	560

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3 °C
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	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	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174
5	1975	1961	1949	1939	1931	1926	1922	1920	1920	1922	1925	1928	1929	1932	1934	1936	1937	1935	1935
10	1716	1698	1682	1669	1659	1651	1647	1644	1645	1647	1652	1658	1666	1674	1684	1691	1695	1697	1696
15	1530	1512	1498	1487	1479	1473	1468	1464	1461	1459	1460	1462	1465	1467	1469	1468	1465	1460	1457
20	1369	1354	1343	1336	1333	1333	1333	1333	1330	1328	1313	1295	1286	1282	1283	1285	1287	1287	1287
25	1239	1214	1197	1191	1192	1201	1210	1220	1167	1129	1102	1087	1081	1083	1090	1099	1108	1114	1117
30	991	948	924	917	923	947	953	916	874	839	827	836	852	870	890	910	927	940	947
35	554	512	497	505	533	557	544	518	502	489	489	519	581	617	628	632	634	637	639
40	158	138	131	137	163	194	209	190	151	156	222	280	326	354	356	347	338	331	330
45	22.7	22.1	22.5	22.8	24.7	33.2	45.7	24.2	25.3	43.5	87.0	117	130	126	103	72.7	45.9	27.9	21.8
50	12.5	12.0	12.2	12.7	12.5	12.3	12.4	13.1	13.5	14.6	20.8	19.9	12.6	13.5	14.3	14.9	15.1	15.4	15.6
55	6.30	6.16	6.41	6.32	6.48	6.35	6.67	7.00	7.02	6.47	7.00	7.63	8.25	8.65	9.03	9.19	9.24	9.33	9.35
60	2.95	2.93	3.08	3.13	3.01	3.36	3.35	3.03	3.55	4.04	4.21	4.35	4.39	4.25	4.05	3.79	3.48	3.25	3.14
65	1.56	1.52	1.56	1.59	1.63	1.67	1.66	1.87	2.00	2.14	1.97	1.75	1.89	2.00	2.16	2.30	2.37	2.41	2.40
70	1.00	0.98	0.99	1.00	1.00	1.07	1.12	1.15	1.10	1.19	1.27	1.35	1.44	1.49	1.55	1.62	1.65	1.66	1.65
75	0.75	0.68	0.72	0.70	0.75	0.80	0.83	0.89	0.93	0.97	0.98	1.00	1.03	1.01	0.98	0.96	0.93	0.92	0.91
80	0.55	0.51	0.46	0.56	0.64	0.71	0.74	0.78	0.78	0.78	0.77	0.76	0.78	0.77	0.76	0.74	0.71	0.72	0.71
85	0.37	0.33	0.43	0.62	0.69	0.68	0.67	0.68	0.67	0.66	0.63	0.61	0.62	0.61	0.61	0.57	0.53	0.52	0.52
90	0.11	0.70	0.67	0.67	0.67	0.65	0.62	0.57	0.55	0.54	0.50	0.46	0.46	0.45	0.45	0.40	0.34	0.33	0.32
95	0.29	0.27	0.46	0.63	0.68	0.69	0.67	0.64	0.62	0.61	0.59	0.56	0.56	0.56	0.55	0.52	0.48	0.47	0.46
100	0.45	0.44	0.42	0.52	0.61	0.68	0.71	0.71	0.70	0.69	0.67	0.66	0.67	0.66	0.66	0.64	0.61	0.61	0.60
105	0.64	0.65	0.64	0.61	0.68	0.71	0.75	0.80	0.81	0.82	0.82	0.83	0.84	0.82	0.81	0.79	0.77	0.75	0.74
110	0.89	0.88	0.87	0.90	0.86	0.91	0.97	1.00	0.94	0.99	1.01	1.07	1.11	1.15	1.21	1.27	1.29	1.29	1.27
115	1.40	1.38	1.41	1.42	1.46	1.46	1.44	1.69	1.86	1.91	1.66	1.34	1.41	1.49	1.64	1.76	1.81	1.82	1.80
120	2.94	2.89	3.05	3.10	2.98	3.31	3.26	2.83	3.44	3.85	3.99	4.01	3.94	3.70	3.42	3.06	2.71	2.44	2.34
125	6.53	6.36	6.64	6.45	6.54	6.58	6.74	7.07	7.07	6.40	6.85	7.43	7.81	8.19	8.36	8.32	8.22	8.05	7.90
130	12.3	11.9	12.3	12.8	12.8	12.7	12.7	13.7	14.1	14.5	20.5	20.4	12.3	13.0	13.6	13.7	13.7	13.7	13.5
135	23.0	22.4	22.6	23.6	24.2	31.5	46.1	25.8	25.1	42.5	91.1	129	146	135	106	72.1	44.0	25.6	19.0
140	151	132	127	134	164	208	230	206	156	163	244	316	361	376	366	349	333	321	315
145	582	541	528	541	582	609	583	541	516	511	533	578	626	643	641	634	625	617	610
150	957	930	920	924	939	966	960	914	879	861	860	872	882	890	900	908	912	911	906
155	1193	1175	1164	1161	1167	1178	1195	1212	1170	1142	1124	1110	1099	1095	1096	1098	1099	1097	1093
160	1334	1322	1314	1309	1309	1314	1322	1331	1340	1343	1329	1311	1299	1292	1289	1287	1285	1282	1279
165	1492	1479	1469	1463	1459	1458	1458	1460	1463	1467	1471	1475	1478	1479	1478	1477	1473	1469	1466
170	1717	1699	1686	1675	1668	1663	1661	1661	1662	1666	1669	1674	1680	1687	1694	1700	1704	1706	1706
175	1997	1982	1970	1959	1951	1944	1939	1937	1935	1935	1936	1938	1939	1942	1943	1945	1946	1945	1945
180	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	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	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174
5	1929	1925	1919	1912	1907	1900	1895	1891	1888	1887	1887	1888	1891	1896	1903	1912	1924	1938	1925
10	1690	1681	1670	1660	1649	1638	1629	1621	1615	1611	1611	1616	1622	1630	1640	1653	1669	1687	1670
15	1455	1453	1451	1448	1444	1439	1436	1434	1432	1430	1428	1428	1428	1430	1436	1444	1456	1471	1457
20	1284	1280	1276	1271	1268	1268	1275	1288	1295	1291	1285	1281	1278	1278	1281	1287	1297	1311	1298
25	1115	1110	1102	1092	1083	1078	1077	1082	1098	1128	1174	1163	1148	1136	1131	1135	1150	1174	1144
30	947	942	928	908	886	863	840	821	821	842	874	905	895	863	847	844	860	895	851
35	642	646	649	646	636	605	538	486	470	472	483	500	494	456	427	423	440	480	436
40	334	344	356	366	367	340	282	213	137	132	167	173	156	121	93.1	89.4	93.0	105	92.7
45	28.0	46.4	74.1	105	130	133	114	76.9	35.2	23.9	22.8	34.7	23.5	20.3	19.5	18.4	18.3	18.9	17.9
50	15.4	15.0	14.8	14.1	13.4	12.5	18.9	18.1	13.9	12.8	12.3	11.5	10.9	10.8	10.6	9.96	9.73	10.1	9.43
55	9.32	9.18	9.14	8.91	8.59	8.13	7.49	6.76	6.13	6.59	6.52	6.16	5.90	5.60	5.44	5.36	5.18	5.40	5.03
60	3.25	3.43	3.76	4.03	4.22	4.33	4.26	4.05	3.80	3.32	2.91	3.15	3.07	2.72	2.64	2.55	2.42	2.46	2.32
65	2.41	2.34	2.28	2.14	1.98	1.85	1.72	1.91	2.01	1.89	1.78	1.63	1.62	1.53	1.43	1.40	1.37	1.31	1.30
70	1.67	1.63	1.60	1.53	1.46	1.41	1.30	1.22	1.12	1.03	1.08	1.07	1.03	1.00	0.95	0.93	0.93	0.87	0.92
75	0.93	0.94	0.95	0.95	0.96	0.95	0.93	0.90	0.86	0.82	0.77	0.75	0.72	0.71	0.71	0.66	0.70	0.65	0.68
80	0.72	0.70	0.68	0.67	0.66	0.65	0.65	0.64	0.62	0.61	0.59	0.57	0.55	0.56	0.49	0.50	0.46	0.44	0.45
85	0.52	0.49	0.45	0.45	0.44	0.44	0.44	0.43	0.42	0.41	0.39	0.39	0.40	0.38	0.37	0.32	0.30	0.24	0.28
90	0.32	0.28	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.20	0.18	0.19	0.18	0.18	0.18	0.19	0.10	0.19
95	0.46	0.43	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.37	0.35	0.33	0.33	0.33	0.32	0.31	0.27	0.33	0.30
100	0.59	0.57	0.56	0.55	0.54	0.53	0.53	0.54	0.52	0.51	0.50	0.49	0.46	0.43	0.43	0.44	0.40	0.48	0.44
105	0.73	0.73	0.74	0.73	0.73	0.72	0.72	0.72	0.70	0.66	0.64	0.64	0.60	0.61	0.62	0.58	0.63	0.69	0.67
110	1.27	1.22	1.17	1.07	1.03	0.99	0.94	0.90	0.87	0.88	0.88	0.85	0.86	0.86	0.81	0.85	0.86	0.92	0.94
115	1.81	1.71	1.61	1.44	1.33	1.31	1.17	1.43	1.58	1.49	1.31	1.22	1.26	1.23	1.16	1.24	1.26	1.40	1.42
120	2.43	2.55	2.76	2.92	3.06	3.21	3.24	3.23	2.99	2.55	2.19	2.57	2.64	2.32	2.48	2.49	2.56	2.97	2.90
125	7.76	7.62	7.44	7.08	6.68	6.21	5.81	5.34	4.97	5.30	5.33	5.29	5.29	5.32	5.38	5.63	5.72	6.55	6.33
130	13.1	12.8	12.2	11.5	10.7	9.74	16.4	16.7	11.3	10.7	10.2	9.65	9.93	10.2	10.3	10.4	10.7	12.2	11.8
135	24.7	41.5	65.8	93.7	117	123	108	75.1	34.0	19.4	19.9	39.1	25.4	19.1	18.9	19.2	19.8	22.6	21.9
140	313	317	323	329	330	311	266	206	135	132	174	193	181	149	128	130	143	183	161
145	604	598	592	584	573	547	497	460	446	448	467	498	520	504	488	499	532	610	573
150	894	878	859	838	820	806	794	785	784	797	818	849	854	842	845	859	888	960	936
155	1085	1075	1064	1053	1045	1043	1048	1059	1075	1101	1136	1119	1106	1098	1101	1116	1141	1205	1186
160	1275	1270	1266	1262	1261	1263	1272	1288	1297	1291	1283	1276	1273	1273	1278	1290	1305	1359	1345
165	1465	1464	1463	1463	1459	1454	1449	1444	1440	1436	1434	1433	1435	1438	1445	1454	1468	1524	1510
170	1703	1697	1689	1678	1667	1658	1649	1642	1637	1634	1633	1633	1637	1643	1652	1664	1679	1741	1725
175	1943	1942	1939	1935	1932	1926	1921	1917	1913	1911	1911	1913	1917	1922	1930	1940	1952	2016	2002
180	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2185	2231	2231

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	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	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174
5	1915	1907	1901	1897	1895	1896	1897	1899	1903	1909	1915	1922	1929	1936	1942	1947	1954	1953	1955
10	1656	1645	1636	1629	1625	1622	1625	1631	1640	1651	1663	1677	1689	1702	1715	1725	1733	1734	1732
15	1446	1439	1434	1433	1434	1437	1441	1447	1453	1459	1467	1478	1487	1496	1502	1507	1512	1515	1520
20	1288	1282	1280	1282	1287	1295	1302	1307	1298	1285	1280	1283	1292	1303	1315	1326	1333	1337	1338
25	1124	1116	1121	1138	1159	1177	1123	1088	1068	1057	1057	1068	1085	1106	1127	1144	1155	1158	1157
30	826	821	828	851	861	842	818	793	779	791	812	838	870	904	937	962	976	979	973
35	415	414	433	461	465	452	442	438	442	469	534	579	603	622	637	649	657	663	667
40	88.8	90.5	107	145	162	155	122	122	189	246	295	328	337	337	336	336	339	344	354
45	17.6	18.3	18.9	22.0	31.5	20.1	20.9	31.6	68.3	100.0	116	114	95.4	68.6	43.6	26.4	20.1	26.7	46.5
50	9.23	9.62	9.70	9.35	9.68	10.5	11.0	11.8	15.4	15.8	10.3	11.4	12.3	12.8	13.4	14.1	14.2	14.1	14.3
55	5.07	4.96	4.88	4.97	4.97	5.26	5.30	4.78	5.21	5.66	6.41	7.16	7.55	7.76	8.02	8.30	8.33	8.35	8.51
60	2.35	2.31	2.32	2.57	2.53	2.23	2.54	2.97	3.17	3.19	3.32	3.28	3.11	2.89	2.65	2.52	2.45	2.56	2.87
65	1.29	1.24	1.31	1.36	1.30	1.38	1.51	1.60	1.47	1.27	1.40	1.43	1.54	1.70	1.78	1.88	1.91	1.92	1.94
70	0.88	0.88	0.90	0.90	0.94	0.92	0.89	0.93	0.97	1.03	1.05	1.10	1.16	1.25	1.29	1.34	1.36	1.38	1.40
75	0.65	0.68	0.67	0.65	0.66	0.70	0.72	0.74	0.75	0.78	0.78	0.79	0.80	0.81	0.81	0.81	0.81	0.83	0.85
80	0.49	0.47	0.46	0.49	0.51	0.54	0.54	0.55	0.56	0.56	0.57	0.58	0.59	0.62	0.64	0.65	0.65	0.67	0.68
85	0.33	0.33	0.35	0.35	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.40	0.41	0.46	0.48	0.49	0.50	0.50	0.52
90	0.20	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.23	0.29	0.32	0.34	0.34	0.34	0.36
95	0.33	0.38	0.37	0.37	0.37	0.37	0.39	0.39	0.40	0.41	0.42	0.43	0.44	0.49	0.51	0.53	0.53	0.53	0.54
100	0.49	0.50	0.54	0.54	0.54	0.57	0.59	0.59	0.60	0.62	0.63	0.65	0.66	0.68	0.70	0.72	0.71	0.71	0.72
105	0.65	0.69	0.69	0.71	0.76	0.75	0.79	0.83	0.87	0.93	0.94	0.97	0.97	0.94	0.93	0.92	0.90	0.91	0.94
110	0.91	0.93	0.97	1.01	1.07	1.08	1.02	1.16	1.23	1.35	1.44	1.59	1.70	1.76	1.84	1.90	1.89	1.87	1.82
115	1.46	1.50	1.61	1.69	1.67	1.97	2.21	2.29	2.07	1.79	2.02	2.27	2.47	2.62	2.76	2.89	2.88	2.83	2.71
120	3.05	3.20	3.35	3.70	3.73	3.50	4.18	4.67	4.91	5.03	5.14	5.11	4.82	4.51	4.16	4.00	3.87	3.91	4.06
125	6.59	6.67	6.95	7.17	7.56	8.05	8.19	7.63	8.35	9.14	9.93	10.6	10.9	11.2	11.3	11.4	11.3	11.1	11.0
130	12.1	12.7	12.9	13.3	14.0	15.0	15.7	19.3	33.7	27.7	15.5	16.5	17.5	18.0	18.5	18.8	18.8	18.4	17.9
135	22.2	23.2	26.0	42.0	58.1	28.7	34.8	81.1	139	179	187	163	124	85.2	53.7	33.3	26.2	32.6	51.4
140	158	176	209	246	256	236	217	252	346	416	447	441	421	400	381	367	358	357	362
145	562	578	622	644	614	590	588	611	659	718	743	743	733	723	711	700	690	683	679
150	928	934	953	984	984	953	938	937	950	965	980	995	1011	1024	1031	1030	1022	1008	991
155	1176	1175	1181	1194	1210	1227	1200	1185	1175	1171	1173	1180	1188	1195	1200	1201	1197	1188	1176
160	1336	1331	1330	1335	1343	1352	1360	1367	1365	1360	1359	1360	1364	1368	1372	1373	1372	1368	1361
165	1500	1493	1489	1488	1490	1494	1500	1508	1515	1522	1530	1536	1541	1545	1547	1545	1546	1547	1546
170	1713	1703	1696	1692	1691	1692	1696	1701	1707	1716	1726	1737	1750	1761	1769	1773	1775	1774	1768
175	1991	1982	1976	1971	1969	1968	1970	1973	1977	1982	1987	1993	1996	1999	2001	2001	2003	2001	2002
180	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.10V I:0.1220A P:25.900W PF:0.9660 Freq:50.00Hz Lamp Flux:3060.03x1 lm		
NAME: UDL27W-WW-B	TYPE: 27W	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.011	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	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174	2174				
5	1953	1951	1949	1945	1943	1939	1935	1932	1931	1932	1934	1938	1944	1952	1962				
10	1727	1719	1709	1699	1691	1683	1677	1672	1670	1669	1670	1675	1681	1690	1702				
15	1523	1523	1523	1520	1517	1513	1509	1505	1502	1500	1498	1498	1501	1507	1516				
20	1339	1341	1344	1350	1361	1377	1382	1373	1365	1360	1356	1352	1350	1352	1358				
25	1152	1145	1138	1133	1132	1142	1166	1205	1258	1241	1226	1214	1209	1210	1220				
30	959	937	910	887	870	864	872	903	949	997	991	955	937	936	954				
35	667	658	641	609	553	514	507	524	542	565	578	549	514	502	514				
40	364	370	369	347	296	229	158	154	197	216	198	164	137	131	137				
45	74.6	106	132	138	121	88.0	42.7	26.5	25.4	46.3	33.1	25.2	23.2	22.8	22.3				
50	14.3	13.8	13.4	12.7	19.9	20.4	14.9	13.8	13.5	12.6	12.4	12.5	12.7	12.1	11.9				
55	8.72	8.64	8.47	8.00	7.38	6.73	6.15	6.99	7.01	6.53	6.12	6.32	6.21	6.26	6.12				
60	3.23	3.59	3.89	4.01	4.03	3.96	3.84	3.45	2.89	3.15	3.23	2.92	3.05	3.01	2.88				
65	1.88	1.77	1.62	1.54	1.47	1.76	2.02	1.93	1.74	1.50	1.52	1.52	1.49	1.49	1.48				
70	1.37	1.32	1.25	1.23	1.19	1.16	1.12	1.06	1.11	1.07	1.02	0.97	0.98	0.96	0.96				
75	0.88	0.90	0.92	0.93	0.94	0.95	0.95	0.93	0.91	0.86	0.83	0.76	0.70	0.73	0.70				
80	0.71	0.72	0.73	0.75	0.78	0.79	0.80	0.82	0.83	0.83	0.78	0.70	0.61	0.49	0.52				
85	0.58	0.59	0.59	0.61	0.67	0.69	0.69	0.70	0.73	0.78	0.79	0.78	0.67	0.54	0.31				
90	0.45	0.45	0.45	0.48	0.56	0.58	0.58	0.58	0.61	0.68	0.69	0.70	0.70	0.70	0.74				
95	0.60	0.59	0.59	0.61	0.66	0.68	0.69	0.68	0.65	0.67	0.67	0.61	0.55	0.40	0.21				
100	0.75	0.74	0.73	0.74	0.77	0.78	0.80	0.78	0.71	0.69	0.65	0.57	0.50	0.39	0.43				
105	0.96	0.98	0.97	0.98	0.98	0.97	0.95	0.90	0.82	0.76	0.73	0.67	0.60	0.65	0.63				
110	1.75	1.69	1.53	1.43	1.35	1.23	1.15	1.07	1.11	1.05	0.98	0.97	0.91	0.90	0.87				
115	2.57	2.45	2.16	1.92	1.76	2.01	2.25	2.16	1.94	1.66	1.66	1.57	1.48	1.46	1.41				
120	4.35	4.67	4.81	4.83	4.77	4.63	4.49	3.98	3.36	3.58	3.56	3.20	3.20	3.12	2.94				
125	10.7	10.5	9.89	9.37	8.60	7.86	7.24	7.84	7.66	7.17	6.88	6.83	6.64	6.72	6.40				
130	17.3	16.6	15.6	14.5	23.0	23.8	15.7	14.9	14.3	13.3	13.0	13.0	13.0	12.4	12.0				
135	79.8	114	144	156	140	101	48.9	26.6	26.7	45.9	30.3	24.1	23.7	22.6	22.4				
140	374	387	395	383	338	266	181	164	203	225	205	163	130	123	127				
145	680	678	675	657	611	557	525	519	537	572	595	570	534	522	536				
150	972	950	928	908	887	870	864	876	903	939	946	927	916	918	935				
155	1162	1148	1131	1121	1119	1120	1128	1150	1186	1177	1169	1163	1163	1171	1188				
160	1354	1344	1335	1326	1324	1332	1336	1328	1319	1312	1309	1310	1316	1327	1341				
165	1544	1540	1531	1521	1509	1497	1486	1479	1474	1471	1471	1474	1480	1489	1502				
170	1761	1752	1741	1731	1720	1712	1704	1698	1694	1692	1692	1696	1703	1714	1728				
175	1999	1995	1992	1988	1985	1981	1979	1978	1978	1980	1983	1989	1996	2006	2018				
180	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231	2231				

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2022-10-27

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:10.450m [K=1.0000]
Remarks: