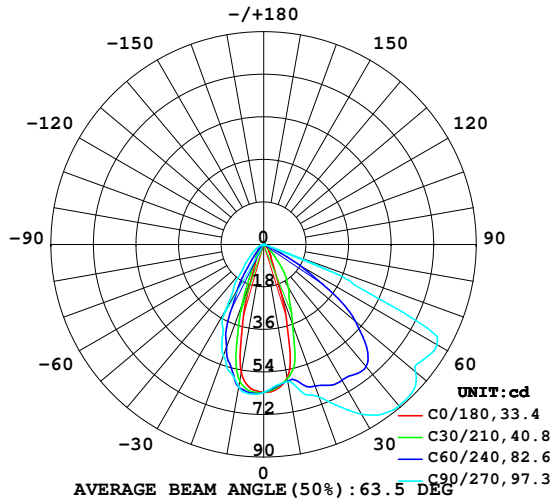


LUMINAIRE PHOTOMETRIC TEST REPORT

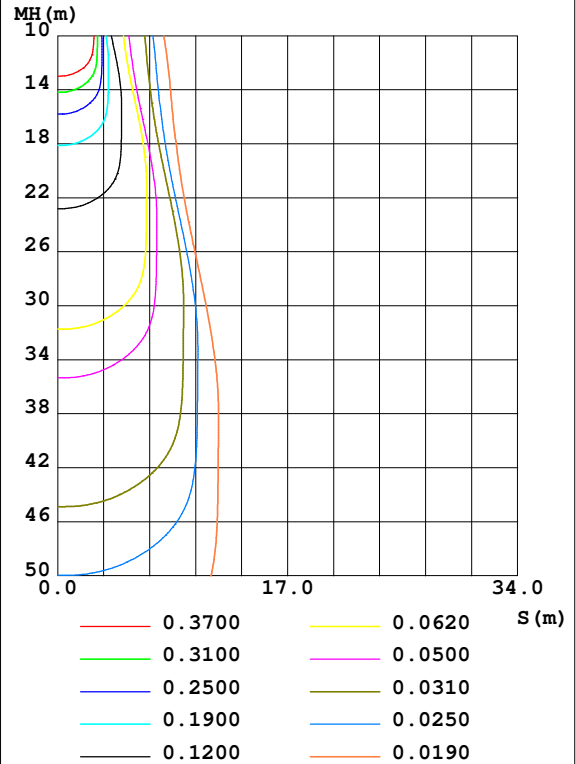
Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm		
NAME: DL80	TYPE:LED	WEIGHT:
SPEC.:3.5W	DIM.: Ø80mm h:30mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 24.07 lm/W
MODEL	DL80	I _{max} (cd)	89.19	S/MH (C0/180)	0.49	
NOMINAL POWER (W)	3.5	LOR (%)	100.0	S/MH (C90/270)	0.89	
RATED VOLTAGE (V)	230.0	TOTAL FLUX (lm)	88.285	η UP, DN (C0-180)	0.0, 75.1	
NOMINAL FLUX (lm)	88.285	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 24.9	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE (V)	230	η down (%)	100.0	CIBSE SHR MAX	0.65	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 22/07/2022

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: DL80-3,5W

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	57.27	58.23	58.82	56.84	55.10	59.87	61.28	60.82	0- 10	5.794	5.794	6.56,6.56
20	21.13	53.71	68.74	43.69	15.78	35.23	50.21	40.18	10- 20	14.14	19.93	22.6,22.6
30	6.172	41.19	82.92	34.38	6.073	9.927	32.81	11.27	20- 30	15.66	35.59	40.3,40.3
40	3.541	33.75	89.07	28.63	3.617	4.008	13.74	4.003	30- 40	16.31	51.90	58.8,58.8
50	1.911	13.49	83.81	8.428	1.893	1.864	6.892	1.875	40- 50	15.36	67.26	76.2,76.2
60	1.046	3.302	84.70	3.688	0.9103	0.8883	3.568	0.8864	50- 60	12.61	79.86	90.5,90.5
70	0.4870	3.316	11.36	2.720	0.3553	0.3627	1.607	0.3872	60- 70	7.655	87.52	99.1,99.1
80	0.1491	0.3294	0.2292	0.2311	0.0724	0.1015	0.4523	0.1123	70- 80	0.7087	88.23	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	0.0586	88.29	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 59.834 lm

%lum = 67.8%

%lamp = 67.8%

Conical surface Flux(120deg): 79.863 lm

%lum = 90.5%

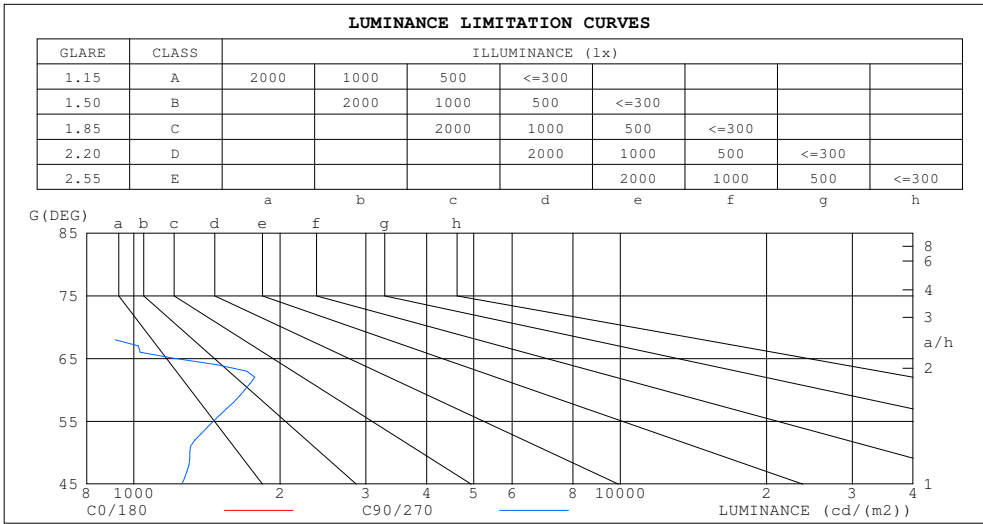
%lamp = 90.5%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:LITPA
Test Date:22/07/2022

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:65.0%
Test Distance:7.200m [K=1.0000]
Remarks: DL80-3,5W

LUMINANCE LIMITATION CURVES

Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm		
NAME: DL80	TYPE:LED	WEIGHT:
SPEC.:3.5W	DIM.: Ø80mm h:30mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	0
80	9	13
75	10	29
70	14	332
65	18	1213
60	21	1693
55	24	1459
50	30	1303
45	38	1255

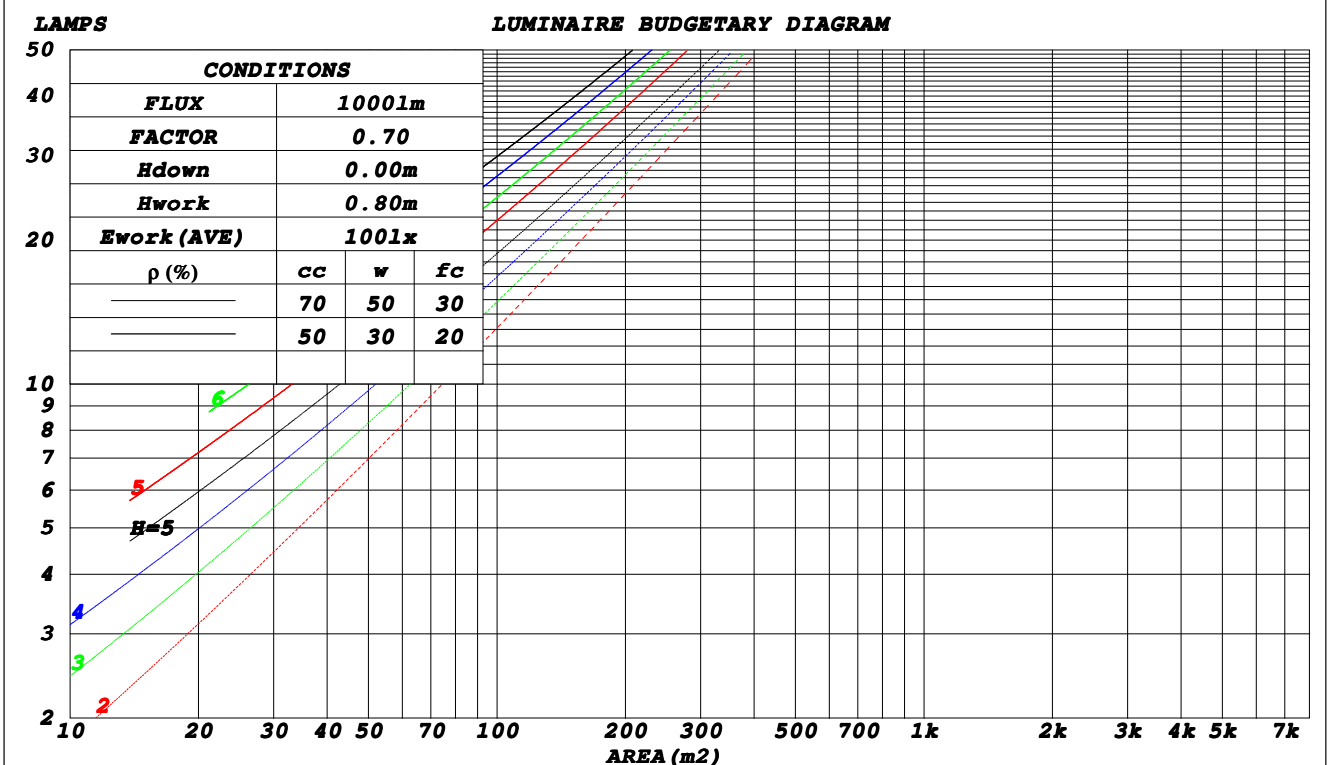
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 22/07/2022

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: DL80-3,5W

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm		
NAME: DL80	TYPE:LED	WEIGHT:
SPEC.:3.5W	DIM.: Ø80mm h:30mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	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						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	1.08	1.04	1.01	1.05	1.02	.00	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89
2.0	.96	.91	.86	.95	.89	.85	.91	.87	.83	.88	.85	.81	.85	.82	.80	.78
3.0	.87	.80	.74	.85	.79	.74	.82	.77	.72	.80	.75	.71	.77	.73	.70	.68
4.0	.78	.71	.65	.77	.70	.64	.74	.68	.64	.72	.67	.63	.70	.66	.62	.60
5.0	.71	.63	.57	.70	.62	.57	.68	.61	.56	.66	.60	.56	.64	.59	.55	.53
6.0	.65	.57	.51	.64	.56	.51	.62	.55	.51	.61	.55	.50	.59	.54	.50	.48
7.0	.59	.52	.46	.59	.51	.46	.57	.51	.46	.56	.50	.45	.55	.49	.45	.43
8.0	.55	.47	.42	.54	.47	.42	.53	.46	.42	.52	.46	.41	.51	.45	.41	.39
9.0	.51	.43	.38	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: LITPA
 Test Date: 22/07/2022

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.200m [K=1.0000]
 Remarks: DL80-3,5W

WEC AND CCEC

Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm		
NAME: DL80	TYPE:LED	WEIGHT:
SPEC.:3.5W	DIM.: Ø80mm h:30mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	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	.239	.136	.043	.232	.132	.042	.219	.126	.040	.207	.120	.038	.196	.114	.037	
2.0	.235	.129	.039	.229	.126	.039	.218	.121	.038	.207	.116	.036	.198	.112	.035	
3.0	.224	.119	.036	.219	.117	.035	.209	.113	.034	.200	.110	.034	.192	.106	.033	
4.0	.212	.110	.032	.207	.108	.032	.198	.105	.031	.190	.102	.031	.183	.099	.030	
5.0	.199	.101	.029	.195	.100	.029	.187	.098	.029	.180	.095	.028	.174	.093	.028	
6.0	.187	.094	.027	.184	.093	.027	.177	.091	.026	.170	.089	.026	.164	.087	.026	
7.0	.176	.087	.025	.173	.086	.025	.167	.084	.024	.161	.083	.024	.156	.081	.024	
8.0	.166	.081	.023	.163	.080	.023	.158	.079	.022	.153	.077	.022	.148	.076	.022	
9.0	.157	.076	.021	.154	.075	.021	.149	.074	.021	.145	.073	.021	.140	.071	.021	
10.0	.148	.071	.020	.146	.071	.020	.142	.069	.020	.137	.068	.019	.133	.067	.019	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.175	.157	.140	.150	.135	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.165	.132	.105	.141	.114	.091	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.156	.114	.081	.133	.098	.070	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.148	.100	.064	.127	.087	.056	.087	.060	.039	.050	.035	.023	.016	.012	.008	
5.0	.140	.089	.052	.120	.077	.045	.083	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.133	.081	.043	.115	.070	.037	.079	.049	.026	.046	.029	.016	.015	.009	.005	
7.0	.127	.074	.036	.109	.064	.032	.075	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.121	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.012	.014	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.058	.024	.095	.051	.021	.066	.036	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 22/07/2022

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: DL80-3,5W

UGR(Unified Glare Rating) Table

Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm										
NAME: DL80					TYPE:LED			WEIGHT:		
SPEC.:3.5W					DIM.: Ø80mm h:30mm			SERIAL No.:		
MFR.: LITPA AYDINLATMA					SUR.:			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	1.2	2.5	1.5	2.7	2.9	18.8	20.1	19.0	20.3	20.5
3H	1.2	2.4	1.5	2.7	2.9	19.6	20.8	19.9	21.0	21.2
4H	1.2	2.3	1.5	2.6	2.8	19.5	20.6	19.8	20.9	21.1
6H	1.1	2.2	1.4	2.4	2.7	19.4	20.4	19.7	20.7	21.0
8H	1.1	2.1	1.4	2.4	2.6	19.3	20.4	19.7	20.6	20.9
12H	1.0	2.0	1.4	2.3	2.6	19.3	20.3	19.6	20.6	20.8
4H 2H	5.3	6.5	5.6	6.7	6.9	18.5	19.6	18.8	19.9	20.1
3H	5.3	6.3	5.6	6.6	6.8	19.3	20.3	19.6	20.6	20.9
4H	5.2	6.1	5.6	6.4	6.7	19.2	20.1	19.6	20.4	20.7
6H	5.1	5.9	5.5	6.3	6.6	19.1	19.9	19.5	20.2	20.6
8H	5.1	5.8	5.5	6.2	6.6	19.1	19.8	19.5	20.1	20.5
12H	5.1	5.7	5.5	6.1	6.5	19.0	19.7	19.4	20.1	20.5
8H 4H	5.4	6.1	5.8	6.5	6.9	19.1	19.8	19.5	20.1	20.5
6H	5.3	5.9	5.8	6.3	6.8	19.0	19.6	19.4	20.0	20.4
8H	5.3	5.8	5.8	6.2	6.7	18.9	19.5	19.4	19.9	20.3
12H	5.3	5.7	5.7	6.2	6.6	18.9	19.3	19.4	19.8	20.3
12H 4H	5.4	6.0	5.8	6.4	6.8	19.0	19.7	19.4	20.1	20.5
6H	5.3	5.8	5.8	6.2	6.7	18.9	19.5	19.4	19.9	20.3
8H	5.3	5.7	5.7	6.2	6.6	18.9	19.3	19.4	19.8	20.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / - 6.5					+ 1.2 / - 1.0				
1.5H	+ 3.1 / - 6.6					+ 1.0 / - 3.6				
2.0H	+ 3.0 / - 3.4					+ 3.2 / -18.3				

CIE Pub.117, 88.29 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -8.4$)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: LITPA
 Test Date: 22/07/2022

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.200m [K=1.0000]
 Remarks: DL80-3,5W

UTILIZATION FACTORS TABLE

Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm		
NAME: DL80	TYPE:LED	WEIGHT:
SPEC.:3.5W	DIM.: Ø80mm h:30mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

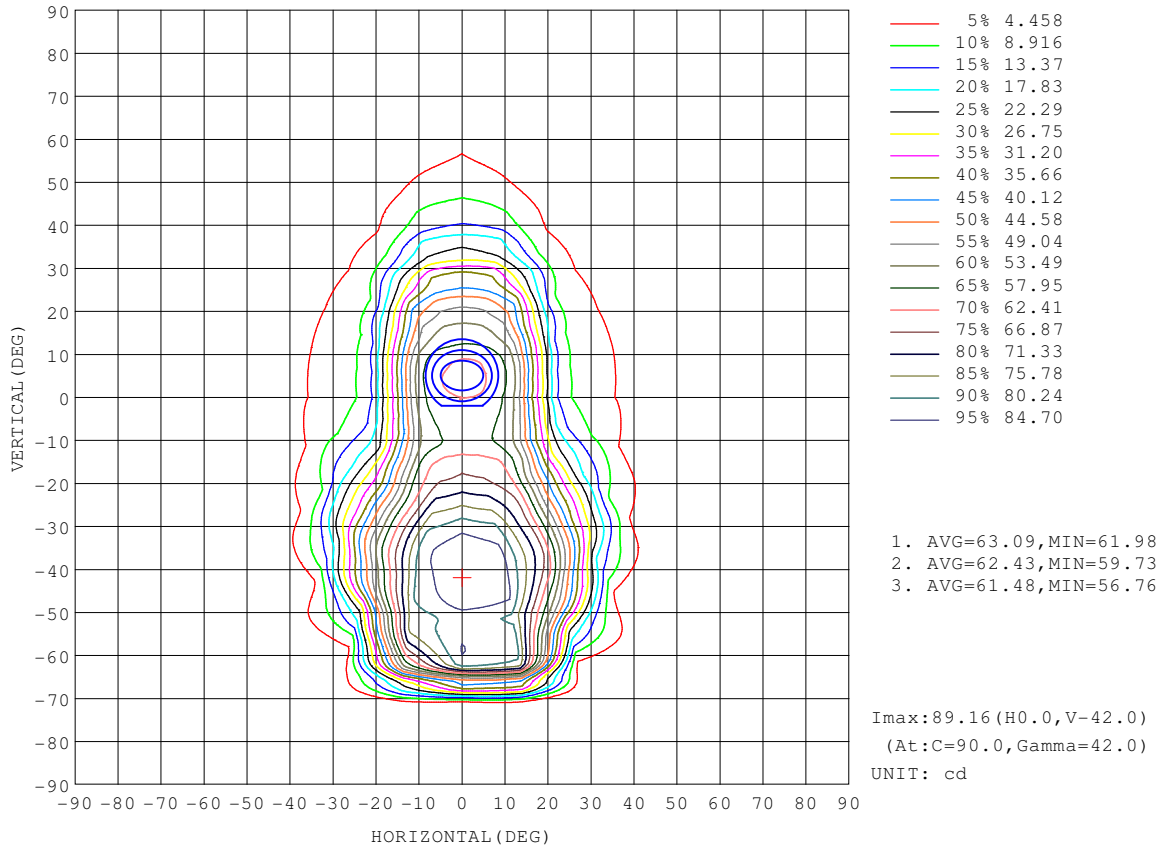
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	55	49	65	55	49	64	55	49	43
0.80	76	66	59	75	65	59	73	64	59	53
1.00	84	74	68	83	74	68	81	75	67	61
1.25	90	82	76	89	81	75	87	80	75	68
1.50	95	87	81	93	86	81	91	84	80	73
2.00	101	94	89	99	93	88	96	91	86	80
2.50	104	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	100	96	101	97	94	86
4.00	110	105	102	107	104	100	103	100	98	90
5.00	112	108	105	109	106	103	105	102	100	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 22/07/2022

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: DL80-3,5W

ISOCANDELA DIAGRAM

Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm		
NAME: DL80	TYPE:LED	WEIGHT:
SPEC.:3.5W	DIM.: Ø80mm h:30mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

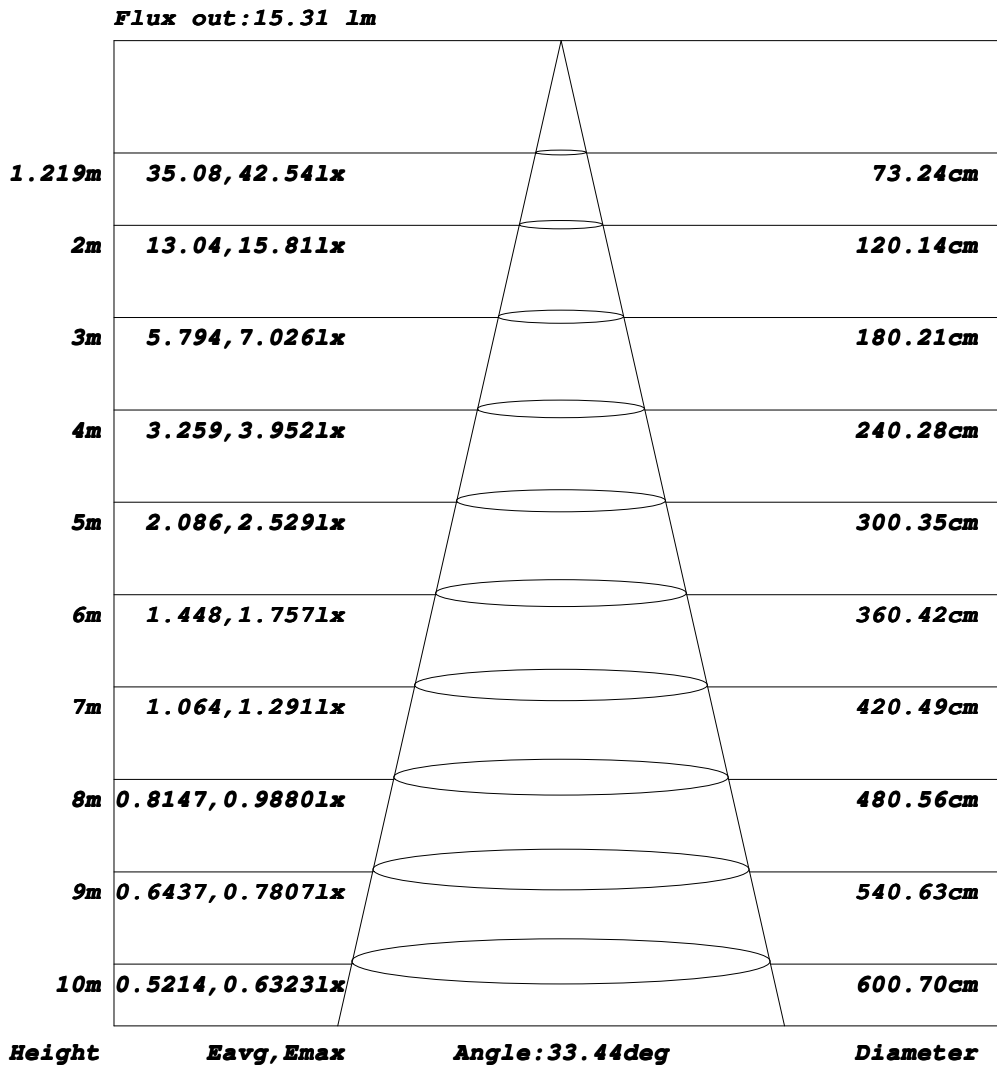


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 22/07/2022

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: DL80-3,5W

AAI Figure

Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm		
NAME: DL80	TYPE:LED	WEIGHT:
SPEC.:3.5W	DIM.: Ø80mm h:30mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



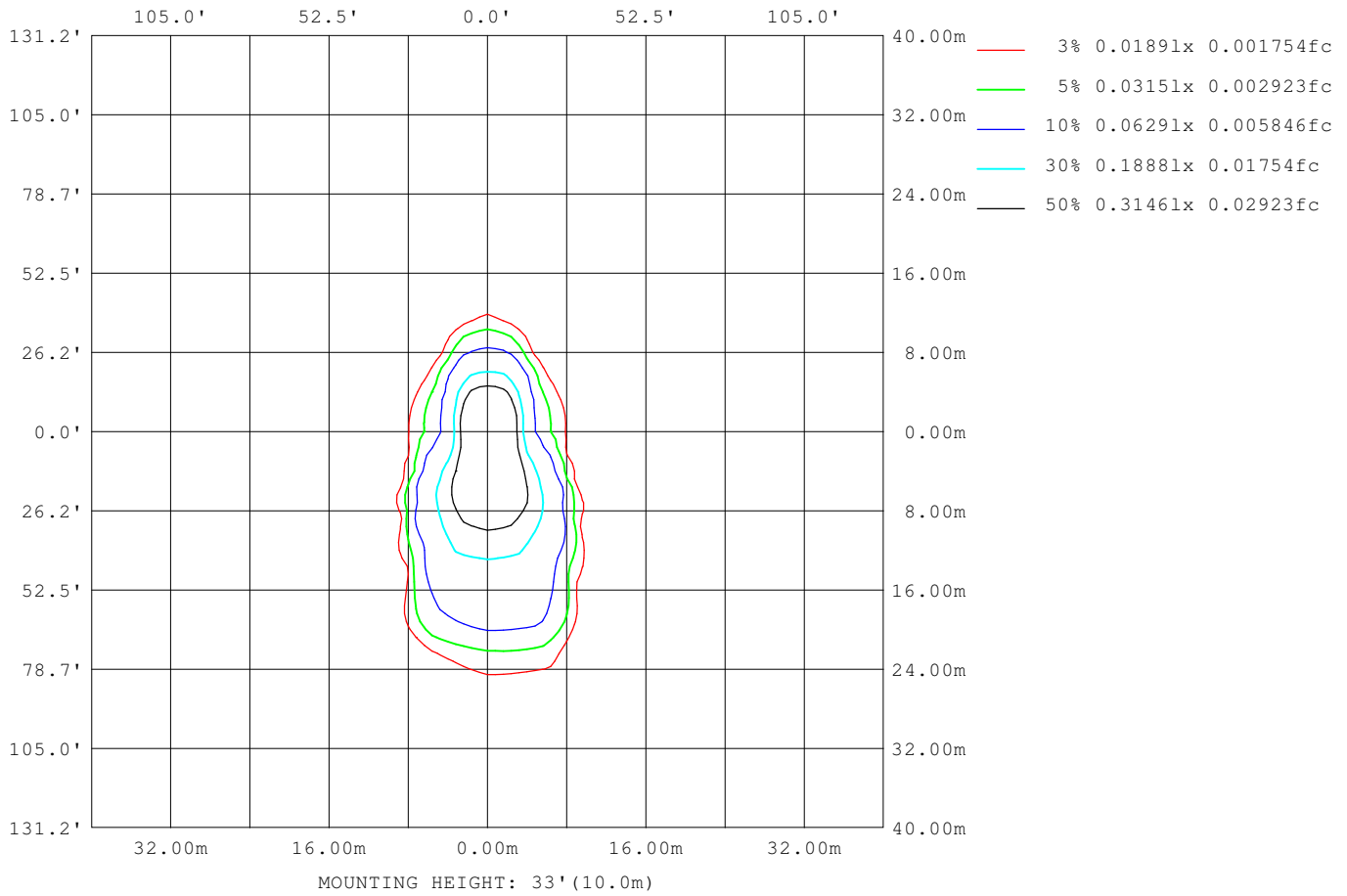
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:LITPA
 Test Date:22/07/2022

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity:65.0%
 Test Distance:7.200m [K=1.0000]
 Remarks: DL80-3,5W

ISOLUX DIAGRAM

Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm		
NAME: DL80	TYPE:LED	WEIGHT:
SPEC.:3.5W	DIM.: Ø80mm h:30mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 22/07/2022

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: DL80-3,5W

LED Avg.L Report

Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm		
NAME: DL80	TYPE:LED	WEIGHT:
SPEC.:3.5W	DIM.: Ø80mm h:30mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

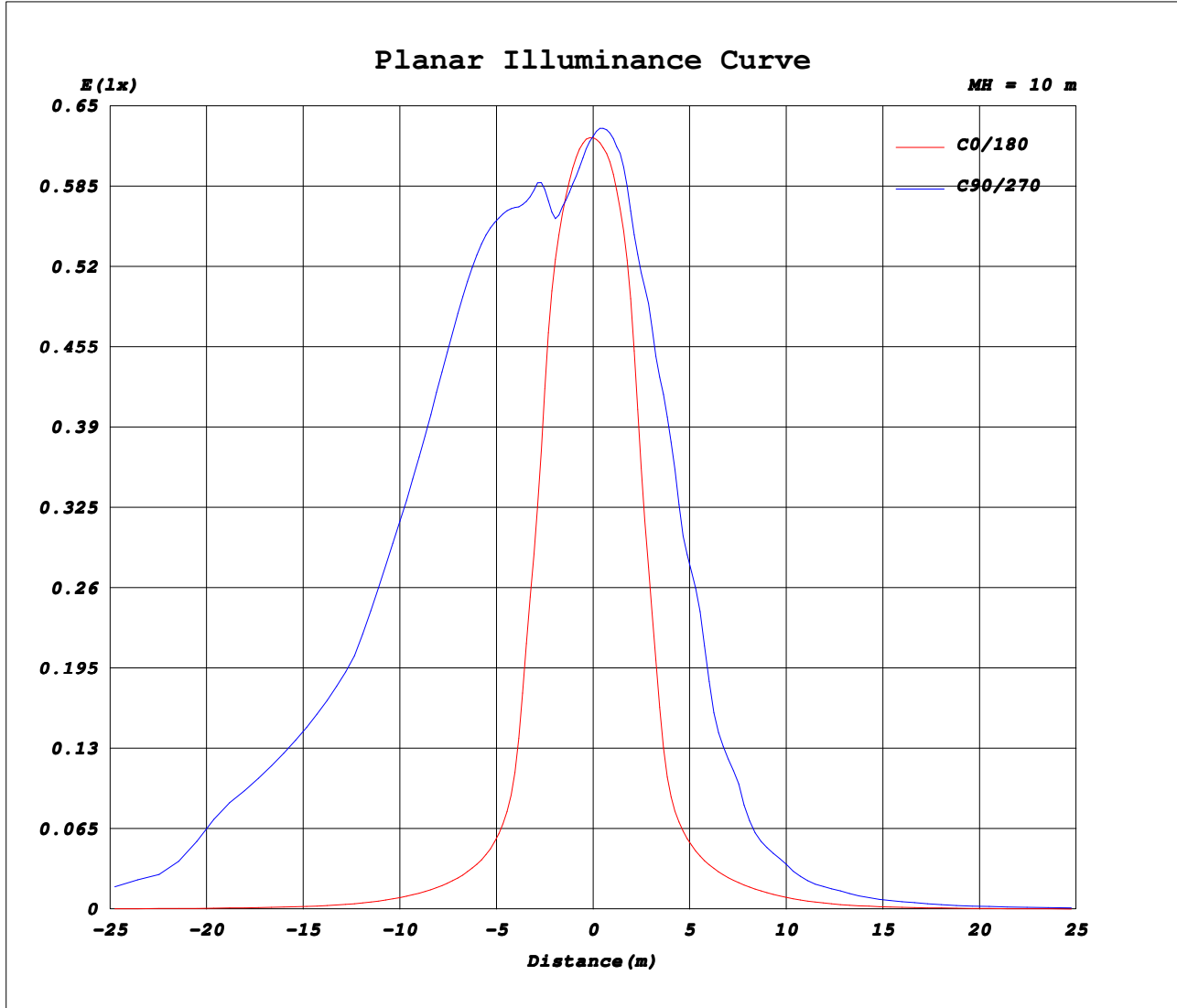
AvgL	cd/m2
L_0~180 (65) av	16
L_0~180 (75) av	9
L_0~180 (85) av	0
L_90~270 (65) av	636
L_90~270 (75) av	32
L_90~270 (85) av	11
L_45 (65) av	50
L_45 (75) av	27
L_45 (85) av	3

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 22/07/2022

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: DL80-3,5W

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 22/07/2022

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: DL80-3,5W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm		
NAME: DL80	TYPE:LED	WEIGHT:
SPEC.:3.5W	DIM.: Ø80mm h:30mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
5	61.7	61.4	60.9	60.6	60.3	60.1	60.0	59.9	59.9	60.1	60.5	60.8	61.3	61.9	62.5	62.8	63.2	63.4	63.6
10	57.3	57.4	57.7	58.2	58.8	58.9	58.8	58.4	58.0	56.8	55.6	54.9	55.1	56.5	58.7	59.9	61.3	61.1	61.3
15	41.3	45.0	51.2	56.0	60.8	64.1	65.3	63.4	58.8	51.4	42.1	36.4	35.0	37.7	44.9	51.5	53.8	55.1	55.9
20	21.1	26.9	36.0	53.7	63.7	67.4	68.7	66.6	60.1	43.7	27.7	18.8	15.8	18.3	26.6	35.2	46.2	49.4	50.2
25	9.30	13.9	25.6	45.8	65.7	73.1	75.6	72.2	57.7	37.5	19.9	11.5	8.52	9.17	11.5	21.8	36.0	39.7	40.6
30	6.17	9.57	21.1	41.2	66.4	79.9	82.9	78.4	58.6	34.4	17.6	8.96	6.07	6.42	7.20	9.93	22.5	32.2	32.8
35	4.61	6.71	16.2	38.3	67.1	84.6	87.7	83.0	59.5	32.2	13.7	6.22	4.65	4.86	5.16	5.96	11.9	20.5	22.1
40	3.54	3.57	9.29	33.8	67.5	86.2	89.1	83.0	57.6	28.6	7.12	3.64	3.62	3.70	3.77	4.01	6.18	12.2	13.7
45	2.67	2.82	5.64	24.1	61.8	85.9	88.8	81.5	49.4	17.0	4.19	2.91	2.71	2.76	2.72	2.78	3.39	8.41	10.3
50	1.91	2.27	2.93	13.5	50.8	82.2	83.8	79.2	37.5	8.43	2.88	2.26	1.89	1.90	1.84	1.86	2.25	4.88	6.89
55	1.37	1.91	2.75	4.19	34.9	80.7	83.7	76.5	19.3	3.44	2.68	1.81	1.31	1.27	1.21	1.30	1.54	3.13	4.94
60	1.05	1.70	2.68	3.30	17.5	81.2	84.7	65.0	6.53	3.69	2.54	1.48	0.91	0.85	0.80	0.89	1.03	2.06	3.57
65	0.77	1.44	2.55	3.77	4.05	57.5	51.3	40.8	3.94	3.61	2.16	1.09	0.60	0.55	0.51	0.58	0.68	1.26	2.50
70	0.49	0.90	1.80	3.32	2.12	17.1	11.4	11.7	2.43	2.72	1.22	0.58	0.36	0.34	0.30	0.36	0.42	0.76	1.61
75	0.27	0.41	0.81	1.38	0.75	0.56	0.76	0.66	0.72	0.97	0.47	0.28	0.18	0.21	0.17	0.22	0.24	0.45	0.92
80	0.15	0.19	0.35	0.33	0.22	0.16	0.23	0.19	0.24	0.23	0.23	0.12	0.07	0.11	0.06	0.10	0.10	0.24	0.45
85	0.00	0.00	0.11	0.09	0.01	0.00	0.00	0.00	0.02	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.19
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

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: LITPA
 Test Date: 22/07/2022

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.200m [K=1.0000]
 Remarks: DL80-3,5W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.49V I:0.0497A P:3.6676W PF:0.3201 Freq:50.01Hz Lamp Flux:88.285x1 lm		
NAME: DL80	TYPE:LED	WEIGHT:
SPEC.:3.5W	DIM.: Ø80mm h:30mm	SERIAL No.:
MFR.: LITPA AYDINLATMA	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	62.6	62.6	62.6	62.6	62.6														
5	63.5	63.5	63.1	62.9	62.3														
10	61.5	61.8	60.8	60.1	58.5														
15	55.5	55.1	55.1	51.0	44.5														
20	49.7	48.5	40.2	31.6	24.3														
25	40.9	39.3	24.7	13.6	9.98														
30	33.8	24.1	11.3	7.39	6.46														
35	20.6	13.9	5.97	5.08	4.84														
40	13.0	6.27	4.00	3.73	3.71														
45	8.37	3.36	2.72	2.68	2.74														
50	4.73	2.24	1.87	1.87	1.89														
55	2.94	1.49	1.31	1.19	1.27														
60	1.81	1.02	0.89	0.80	0.87														
65	1.08	0.72	0.58	0.53	0.60														
70	0.69	0.47	0.39	0.33	0.39														
75	0.43	0.28	0.24	0.18	0.23														
80	0.23	0.12	0.11	0.08	0.13														
85	0.07	0.00	0.00	0.00	0.00														
90	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: LITPA
Test Date: 22/07/2022

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.200m [K=1.0000]
Remarks: DL80-3,5W