

# LUMINAIRE PHOTOMETRIC TEST REPORT

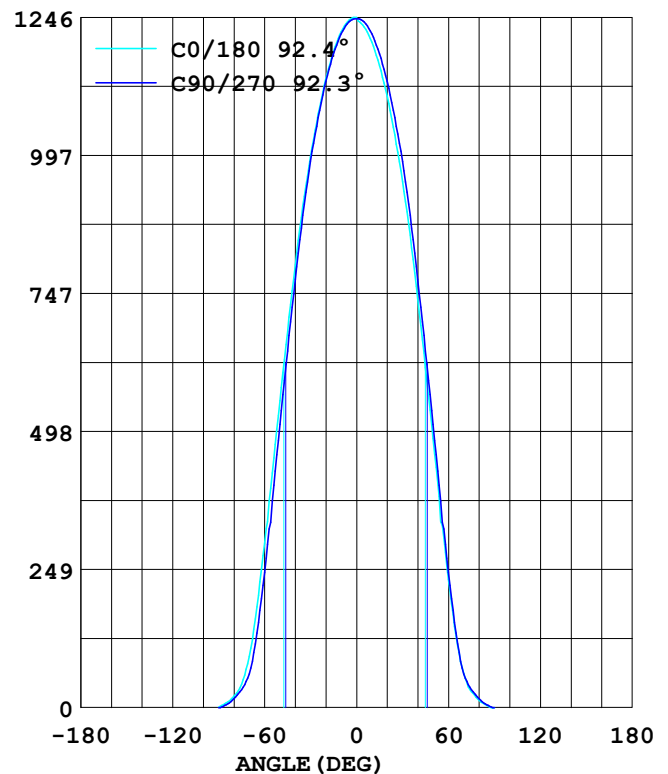
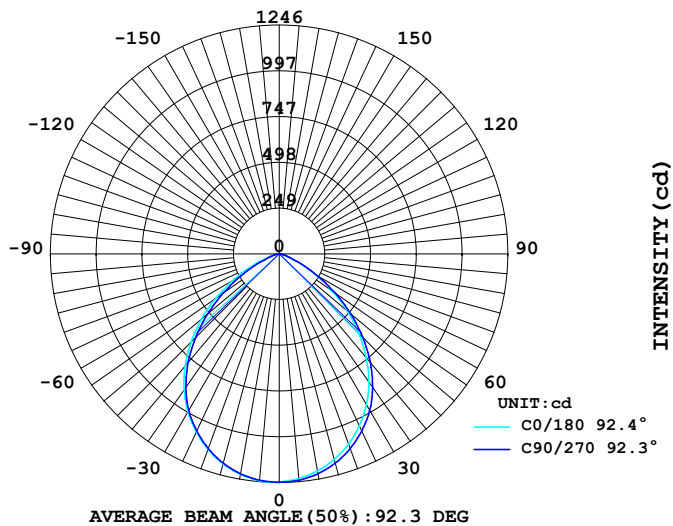
Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Mila	TYPE: IL-DL17-N0203C-100	WEIGHT:
SPECIFICATION: Ra90 3000K	DIMENSION: $\phi$ 190*90	SERIAL No.:

DATA OF LAMP		Imax(cd)	1246	S/MH (C0/180)	1.19
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.19
NOMINAL POWER(W)	20	TOTAL FLUX(lm)	2550.7	Voltage(V)	235.1
RATED VOLTAGE (V)	236	EFFICIENCY (lm/W)	133.2	Current(A)	0.085
NOMINAL FLUX(lm)	2550.8	$\eta$ up (%)	0.0	Power(W)	19.15
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.953
TEST VOLTAGE (V)	235.2	Effective Flux(lm)	2550.8	EEI	0.102

## LUMINOUS INTENSITY DISTRIBUTION

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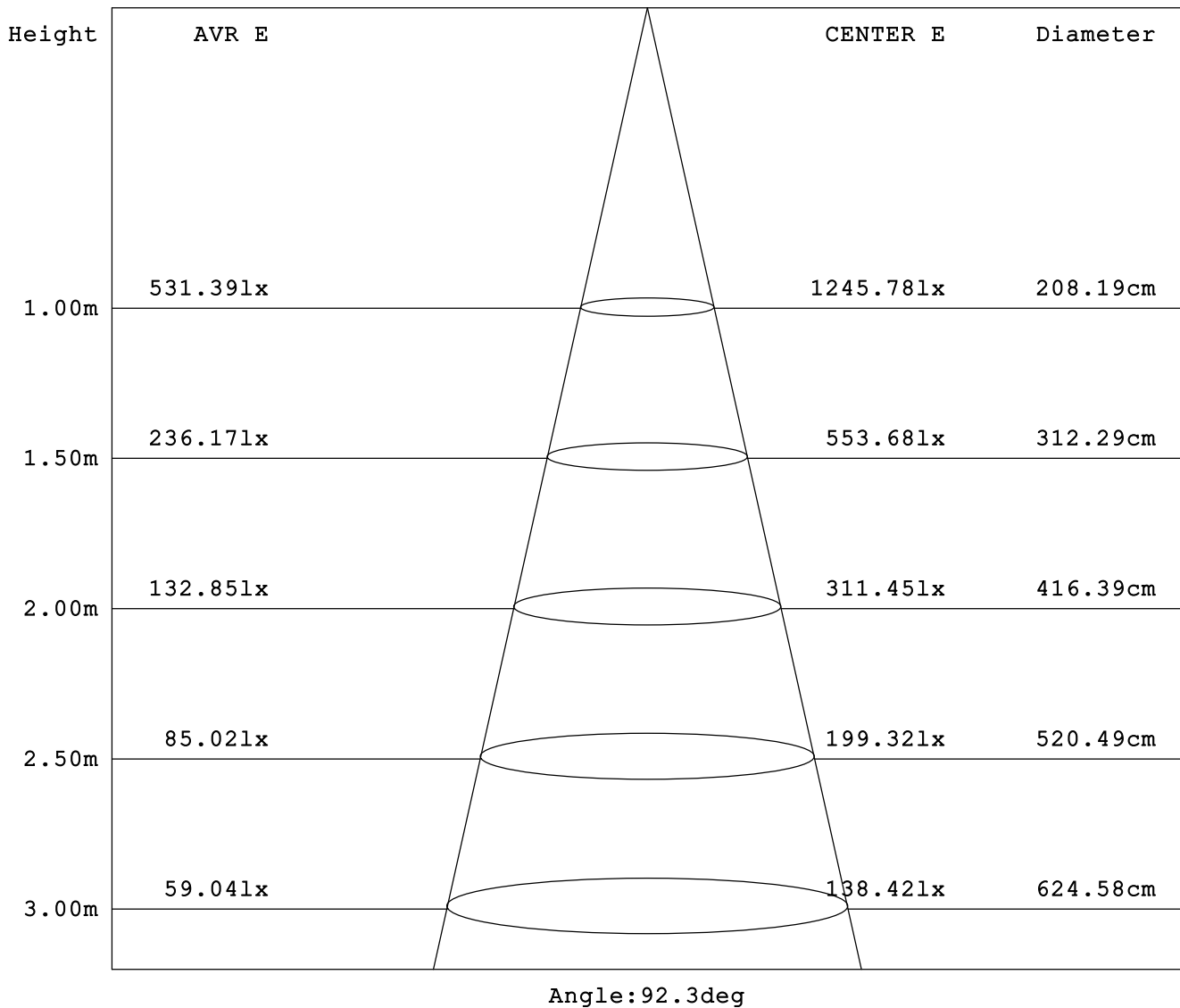
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025-07-15

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks:

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Mila	TYPE: IL-DL17-N0203C-100	WEIGHT:
SPECIFICATION: Ra90 3000K	DIMENSION: $\phi$ 190*90	SERIAL No.:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	Zone	total
5.0	1240	1238	1237	1230	1228	1230	1237	1238	0- 5	29.61	29.61
10.0	1220	1218	1216	1206	1201	1206	1216	1218	5- 10	87.54	117.1
15.0	1184	1182	1179	1166	1158	1166	1179	1182	10- 15	141.5	258.7
20.0	1135	1132	1130	1112	1103	1112	1130	1132	15- 20	189.4	448.1
25.0	1071	1070	1065	1046	1033	1046	1065	1070	20- 25	228.7	676.9
30.0	993.5	992.7	985.6	964.1	949.2	964.1	985.6	992.7	25- 30	257.7	934.6
35.0	904.5	902.8	888.4	870.7	852.5	870.7	888.4	902.8	30- 35	274.5	1209
40.0	798.8	800.9	772.7	764.2	738.2	764.2	772.7	800.9	35- 40	277.3	1487
45.0	678.5	679.9	643.6	645.0	613.2	645.0	643.6	679.9	40- 45	264.7	1751
50.0	553.9	552.3	510.8	519.6	485.6	519.6	510.8	552.3	45- 50	238.2	1990
55.0	423.0	432.2	372.4	396.8	335.4	396.8	372.4	432.2	50- 55	200.2	2190
60.0	296.8	300.1	243.2	271.6	231.1	271.6	243.2	300.1	55- 60	153.0	2343
65.0	181.8	184.4	134.5	158.4	129.0	158.4	134.5	184.4	60- 65	103.3	2446
70.0	91.98	95.27	60.18	73.18	61.77	73.18	60.18	95.27	65- 70	57.70	2504
75.0	41.98	37.77	31.98	29.38	28.88	29.38	31.98	37.77	70- 75	27.28	2531
80.0	20.58	17.77	15.98	15.08	13.18	15.08	15.98	17.77	75- 80	12.95	2544
85.0	8.280	5.780	5.180	3.880	3.680	3.880	5.180	5.780	80- 85	5.543	2550
90.0	0.380	0	0	0	0	0	0	0	85- 90	0.995	2551
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2025-07-15

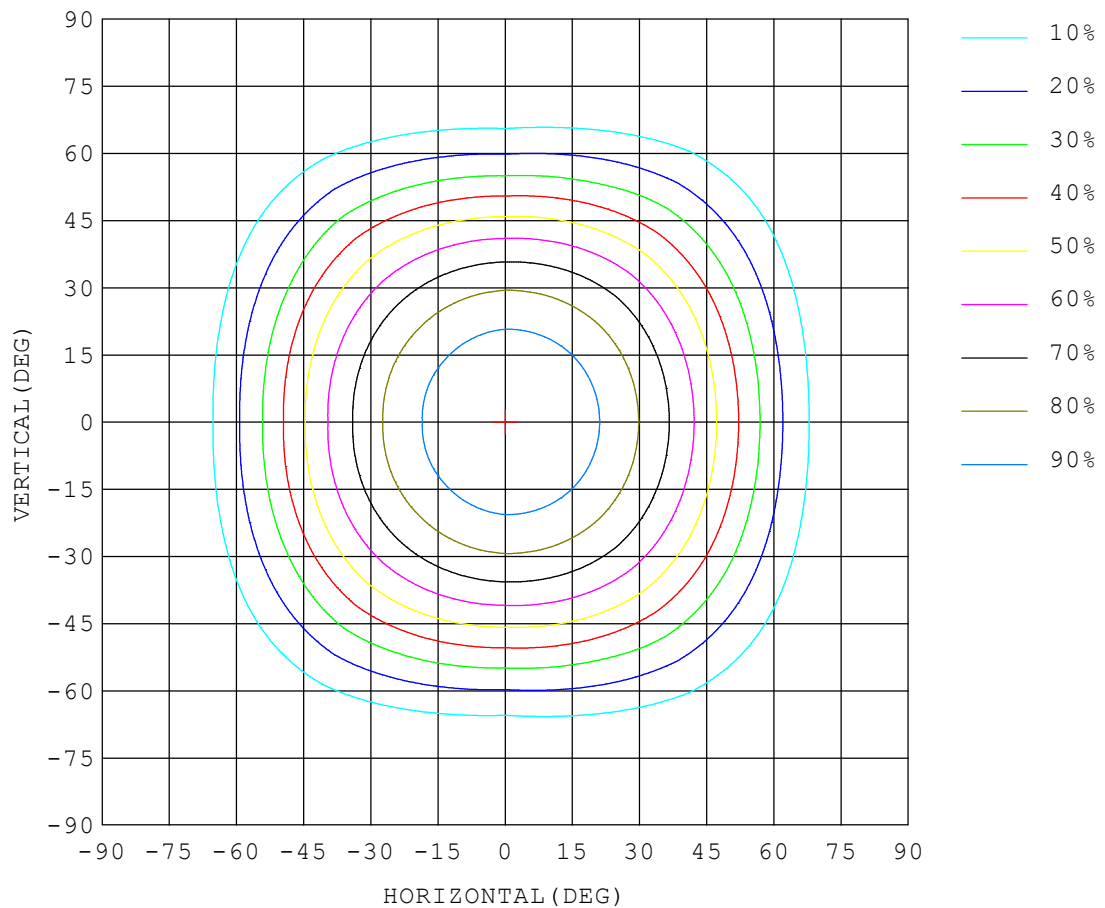
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Remarks:

## ISOCANDELA DIAGRAM

Report number:

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NAME: Mila	TYPE: IL-DL17-N0203C-100	WEIGHT:
SPECIFICATION: Ra90 3000K	DIMENSION: $\varnothing$ 190*90	SERIAL No.:

UNIT: cd



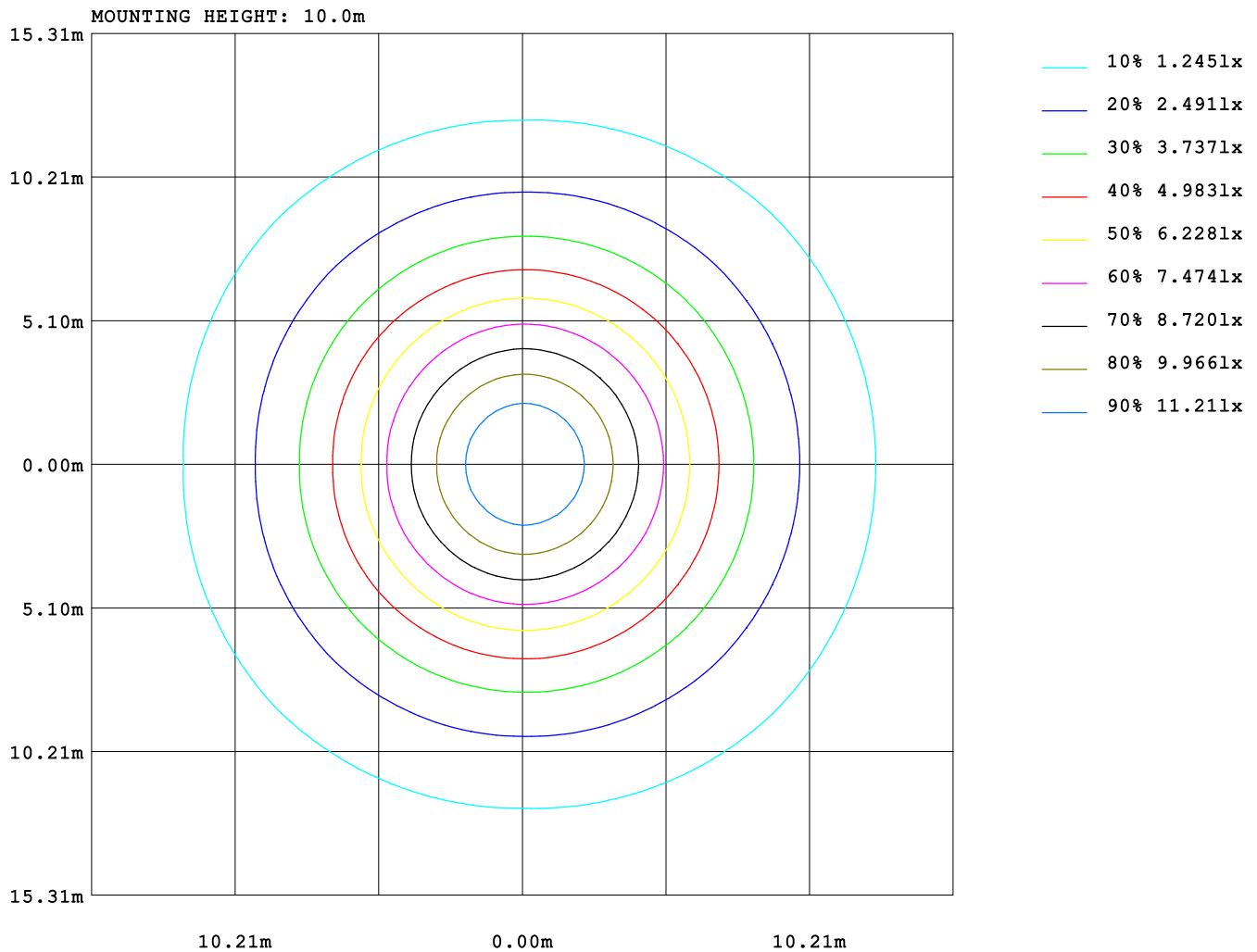
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025-07-15

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
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Remarks:

## ISOLUX DIAGRAM

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SPECIFICATION: Ra90 3000K	DIMENSION: $\varnothing$ 190*90	SERIAL No.:



Test System:  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-07-15

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Remarks:

## Uncorrected UGR Table

Report number:

<b>MANUFACTURER:</b> ILUMEN GMBH	<b>Address:</b>			
<b>NAME:</b> Mila	<b>TYPE:</b> IL-DL17-N0203C-100	<b>WEIGHT:</b>		
<b>SPECIFICATION:</b> Ra90 3000K	<b>DIMENSION:</b> φ190*90	<b>SERIAL No.:</b>		

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	23.9	25.3	24.2	25.4	25.6	23.5	24.8	23.7	25.0	25.2
3H	24.2	25.5	24.5	25.7	25.9	23.6	24.9	23.9	25.1	25.3
4H	24.2	25.4	24.5	25.6	25.9	23.6	24.8	23.9	25.0	25.2
6H	24.2	25.3	24.5	25.5	25.8	23.5	24.6	23.9	24.9	25.1
8H	24.1	25.2	24.5	25.4	25.7	23.5	24.5	23.8	24.8	25.1
12H	24.1	25.1	24.4	25.4	25.7	23.5	24.5	23.8	24.7	25.0
4H 2H	24.1	25.3	24.4	25.5	25.8	23.7	24.9	24.0	25.1	25.4
3H	24.5	25.5	24.8	25.8	26.1	24.0	25.0	24.3	25.3	25.5
4H	24.5	25.4	24.9	25.7	26.1	24.0	24.9	24.3	25.2	25.5
6H	24.5	25.3	24.9	25.6	26.0	23.9	24.7	24.3	25.1	25.4
8H	24.5	25.2	24.9	25.6	26.0	23.9	24.6	24.3	25.0	25.4
12H	24.5	25.1	24.9	25.5	25.9	23.9	24.5	24.3	24.9	25.3
8H 4H	24.4	25.2	24.9	25.5	25.9	23.9	24.6	24.3	25.0	25.4
6H	24.5	25.1	24.9	25.5	25.9	23.9	24.5	24.3	24.9	25.3
8H	24.4	25.0	24.9	25.4	25.8	23.9	24.4	24.3	24.8	25.3
12H	24.4	24.9	24.9	25.3	25.8	23.9	24.3	24.3	24.7	25.2
12H 4H	24.4	25.1	24.8	25.5	25.9	23.9	24.5	24.3	24.9	25.3
6H	24.4	24.9	24.9	25.4	25.8	23.9	24.4	24.3	24.8	25.3
8H	24.4	24.9	24.9	25.3	25.8	23.8	24.3	24.3	24.7	25.2

Variations with the observer position at spacings:

S = 1.0H	+ 0.6 / - 0.7	+ 0.7 / - 1.0
1.5H	+ 0.3 / - 0.4	+ 0.3 / - 0.5
2.0H	+ 1.1 / - 1.5	+ 1.2 / - 1.8

CIE Pub.117 Corrected 2551 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.3)

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