

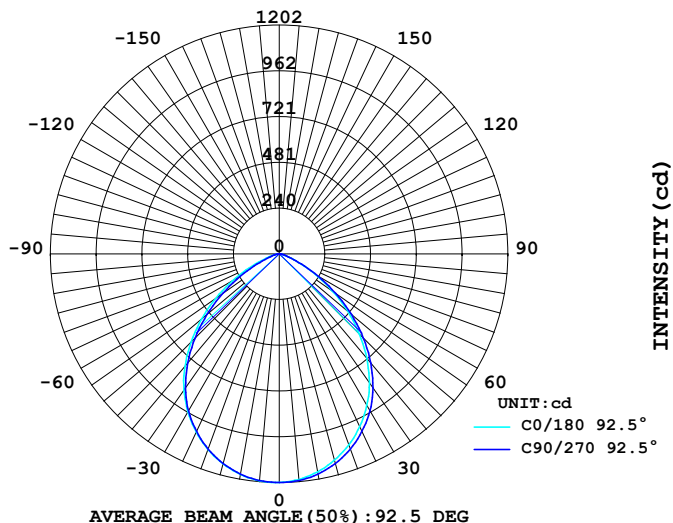
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

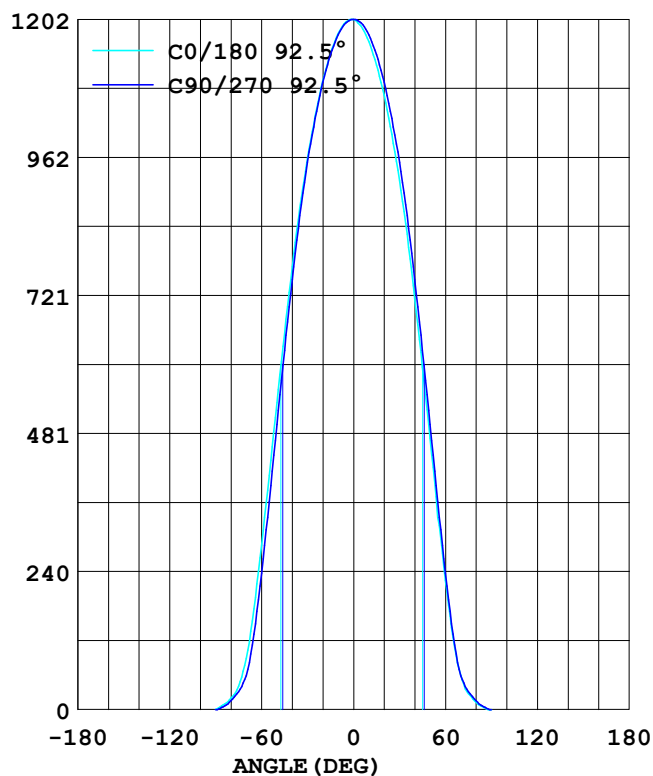
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Mila	TYPE: IL-DL17-N0203C-100	WEIGHT:
SPECIFICATION: Ra90 4000K	DIMENSION: ϕ 190*90	SERIAL No.:

DATA OF LAMP		Imax(cd)	1202	S/MH (C0/180)	1.19
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.19
NOMINAL POWER(W)	20	TOTAL FLUX(lm)	2472.1	Voltage(V)	235.0
RATED VOLTAGE (V)	236	EFFICIENCY (lm/W)	126.2	Current(A)	0.087
NOMINAL FLUX(lm)	2472.2	η up (%)	0.0	Power(W)	19.59
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.953
TEST VOLTAGE (V)	235.0	Effective Flux(lm)	0.0	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



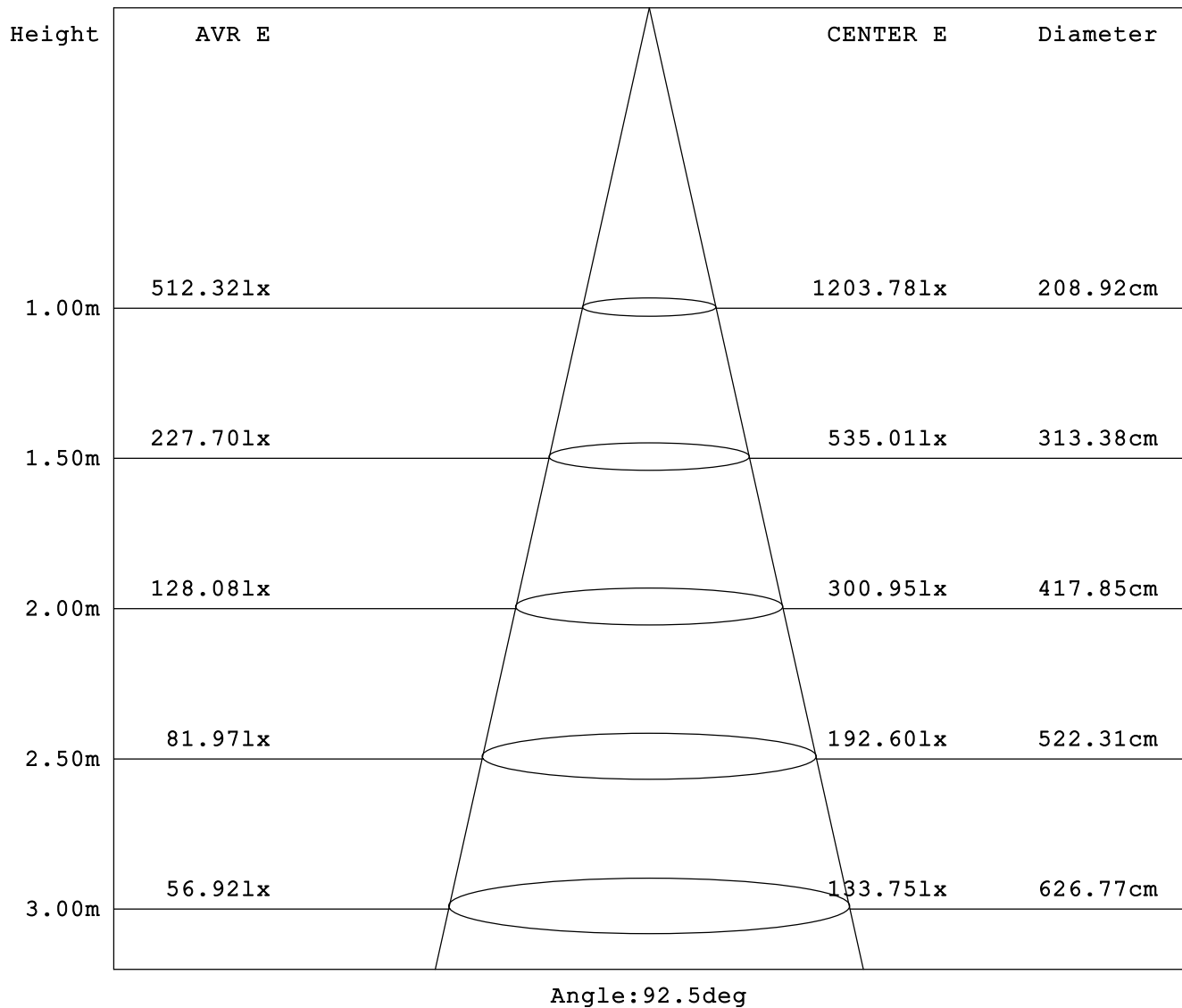
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025-07-15

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:

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NAME: Mila	TYPE: IL-DL17-N0203C-100	WEIGHT:
SPECIFICATION: Ra90 4000K	DIMENSION: ϕ 190*90	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1198	1197	1196	1192	1190	1192	1196	1197	0- 5	28.64	28.64
10.0	1178	1177	1176	1168	1164	1168	1176	1177	5- 10	84.68	113.3
15.0	1143	1143	1141	1130	1122	1130	1141	1143	10- 15	136.9	250.3
20.0	1095	1095	1093	1078	1070	1078	1093	1095	15- 20	183.2	433.5
25.0	1034	1035	1030	1014	1002	1014	1030	1035	20- 25	221.3	654.9
30.0	959.5	960.3	953.6	934.9	920.8	934.9	953.6	960.3	25- 30	249.5	904.4
35.0	873.7	873.4	860.2	844.6	827.6	844.6	860.2	873.4	30- 35	265.8	1170
40.0	771.3	775.0	749.2	741.4	716.9	741.4	749.2	775.0	35- 40	268.6	1439
45.0	655.3	657.9	625.3	626.7	596.1	626.7	625.3	657.9	40- 45	256.6	1696
50.0	534.6	534.7	496.5	505.3	472.4	505.3	496.5	534.7	45- 50	231.1	1927
55.0	407.8	432.7	362.4	386.2	335.1	386.2	362.4	432.7	50- 55	194.7	2121
60.0	286.2	290.2	237.0	265.1	224.8	265.1	237.0	290.2	55- 60	149.1	2271
65.0	175.5	178.0	131.1	154.6	125.3	154.6	131.1	178.0	60- 65	100.3	2371
70.0	88.73	91.74	58.84	71.47	60.04	71.47	58.84	91.74	65- 70	55.99	2427
75.0	40.41	36.46	30.95	28.61	27.81	28.61	30.95	36.46	70- 75	26.43	2453
80.0	19.74	16.97	15.46	14.69	12.49	14.69	15.46	16.97	75- 80	12.49	2466
85.0	7.867	5.577	4.976	3.784	3.484	3.784	4.976	5.577	80- 85	5.334	2471
90.0	0.280	0	0	0	0	0	0	0	85- 90	0.933	2472
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	

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Operators:
Test Date:2025-07-15

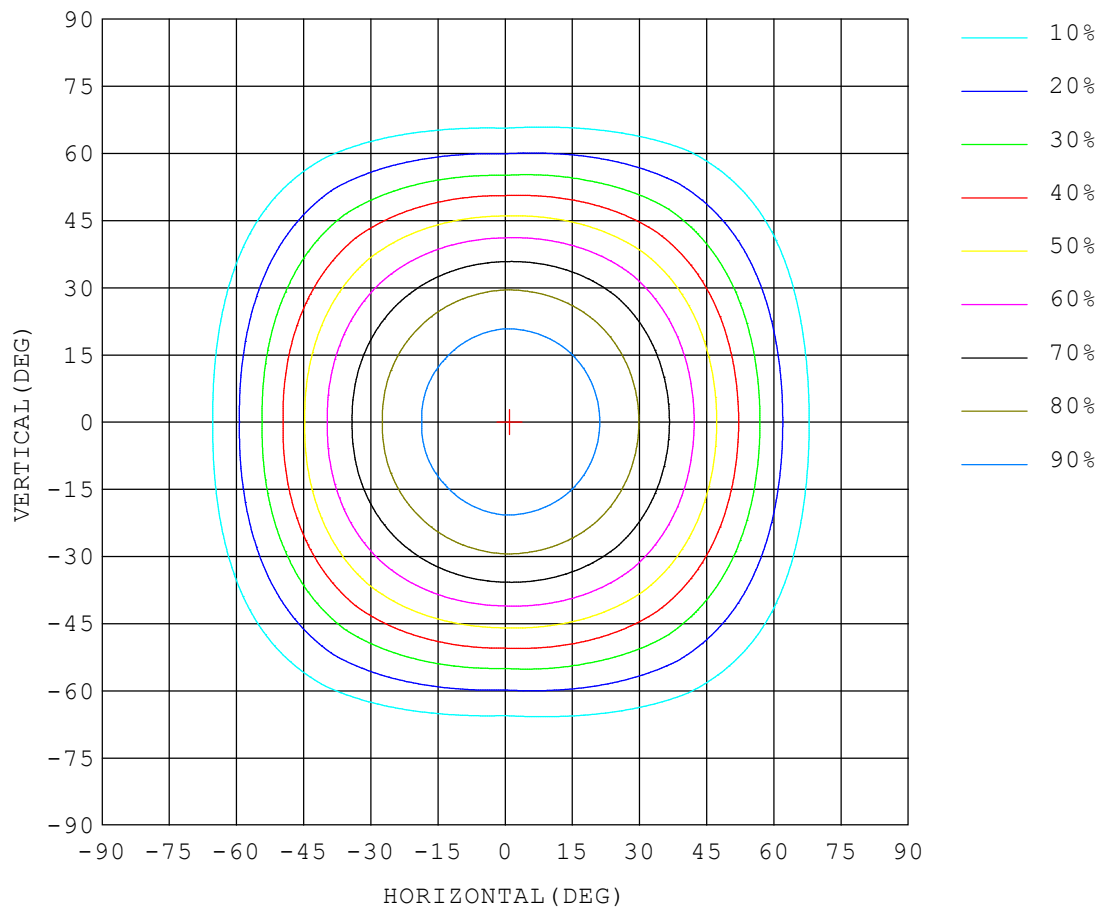
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Remarks:

ISOCANDELA DIAGRAM

Report number:

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NAME: Mila	TYPE: IL-DL17-N0203C-100	WEIGHT:
SPECIFICATION: Ra90 4000K	DIMENSION: \varnothing 190*90	SERIAL No.:

UNIT: cd



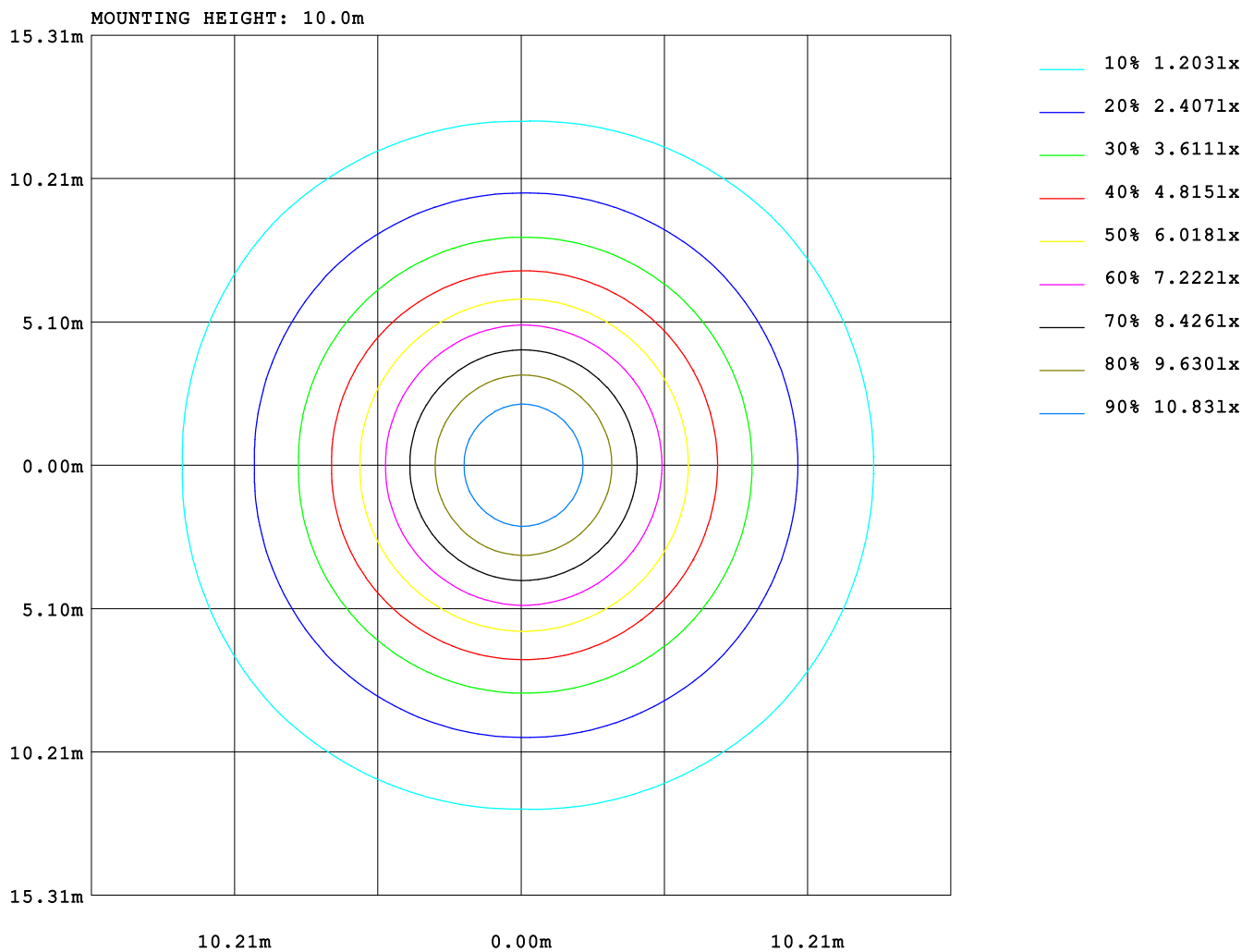
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025-07-15

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Humidity: 65.0%
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ISOLUX DIAGRAM

Report number:

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NAME: Mila	TYPE: IL-DL17-N0203C-100	WEIGHT:
SPECIFICATION: Ra90 4000K	DIMENSION: \varnothing 190*90	SERIAL No.:



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Uncorrected UGR Table

Report number:

MANUFACTURER: ILUMEN GMBH	Address:			
NAME: Mila	TYPE: IL-DL17-N0203C-100		WEIGHT:	
SPECIFICATION: Ra90 4000K	DIMENSION: φ190*90		SERIAL No.:	

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	23.8	25.1	24.1	25.3	25.5	23.4	24.7	23.6	24.9	25.1
3H	24.1	25.3	24.4	25.6	25.8	23.5	24.8	23.8	25.0	25.2
4H	24.1	25.3	24.4	25.5	25.8	23.5	24.7	23.8	24.9	25.1
6H	24.1	25.1	24.4	25.4	25.7	23.4	24.5	23.8	24.8	25.1
8H	24.0	25.1	24.3	25.3	25.6	23.4	24.4	23.7	24.7	25.0
12H	24.0	25.0	24.3	25.3	25.6	23.4	24.4	23.7	24.6	24.9
4H 2H	24.0	25.2	24.3	25.4	25.6	23.6	24.8	23.9	25.0	25.3
3H	24.4	25.4	24.7	25.7	26.0	23.9	24.9	24.2	25.2	25.5
4H	24.4	25.3	24.8	25.6	25.9	23.9	24.8	24.2	25.1	25.4
6H	24.4	25.2	24.8	25.5	25.9	23.8	24.6	24.2	25.0	25.3
8H	24.4	25.1	24.8	25.5	25.8	23.8	24.5	24.2	24.9	25.3
12H	24.3	25.0	24.8	25.4	25.8	23.8	24.4	24.2	24.8	25.2
8H 4H	24.3	25.1	24.7	25.4	25.8	23.8	24.5	24.2	24.9	25.3
6H	24.3	24.9	24.8	25.3	25.8	23.8	24.4	24.2	24.8	25.2
8H	24.3	24.9	24.8	25.3	25.7	23.8	24.3	24.2	24.7	25.2
12H	24.3	24.8	24.8	25.2	25.7	23.8	24.2	24.2	24.6	25.1
12H 4H	24.3	25.0	24.7	25.3	25.7	23.8	24.4	24.2	24.8	25.2
6H	24.3	24.8	24.8	25.2	25.7	23.8	24.3	24.2	24.7	25.2
8H	24.3	24.7	24.8	25.2	25.7	23.8	24.2	24.2	24.6	25.1

Variations with the observer position at spacings:

S = 1.0H	+ 0.6 / - 0.8	+ 0.7 / - 1.0
1.5H	+ 0.3 / - 0.5	+ 0.4 / - 0.5
2.0H	+ 1.1 / - 1.5	+ 1.2 / - 1.7

CIE Pub.117 Corrected 2472 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.1)

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