

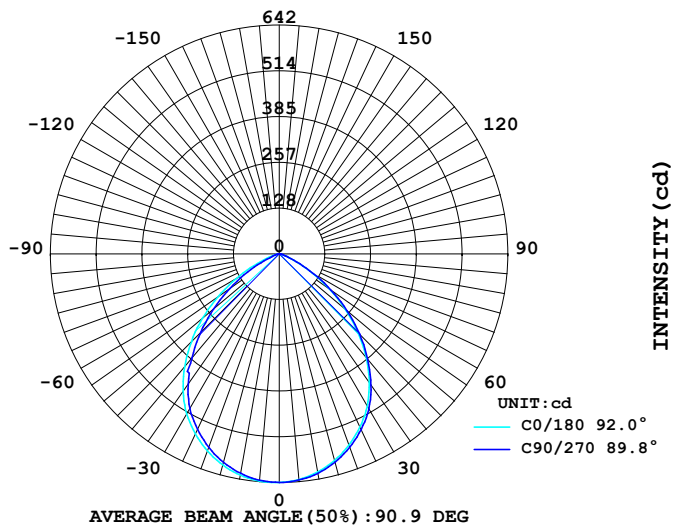
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

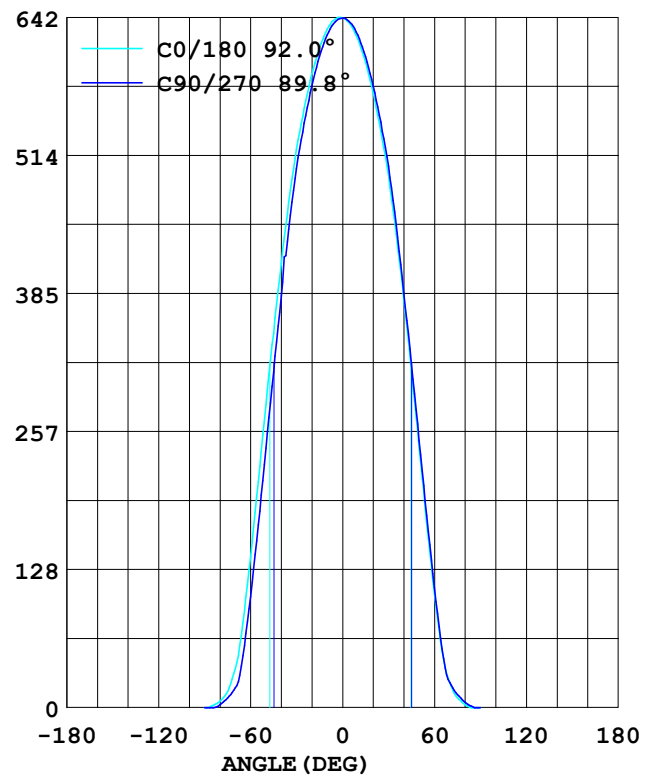
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Mila	TYPE: IL-DL17-N0123C-100	WEIGHT:
SPECIFICATION: Ra90 4000K	DIMENSION: ϕ 160*80	SERIAL No.:

DATA OF LAMP		Imax(cd)	642.4	S/MH (C0/180)	1.21
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.17
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	1251.3	Voltage(V)	225.6
RATED VOLTAGE (V)	226	EFFICIENCY (lm/W)	102.2	Current(A)	0.099
NOMINAL FLUX(lm)	1251.3	η up (%)	0.0	Power(W)	12.24
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.545
TEST VOLTAGE (V)	225.7	Effective Flux(lm)	1251.3	EEI	0.132

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



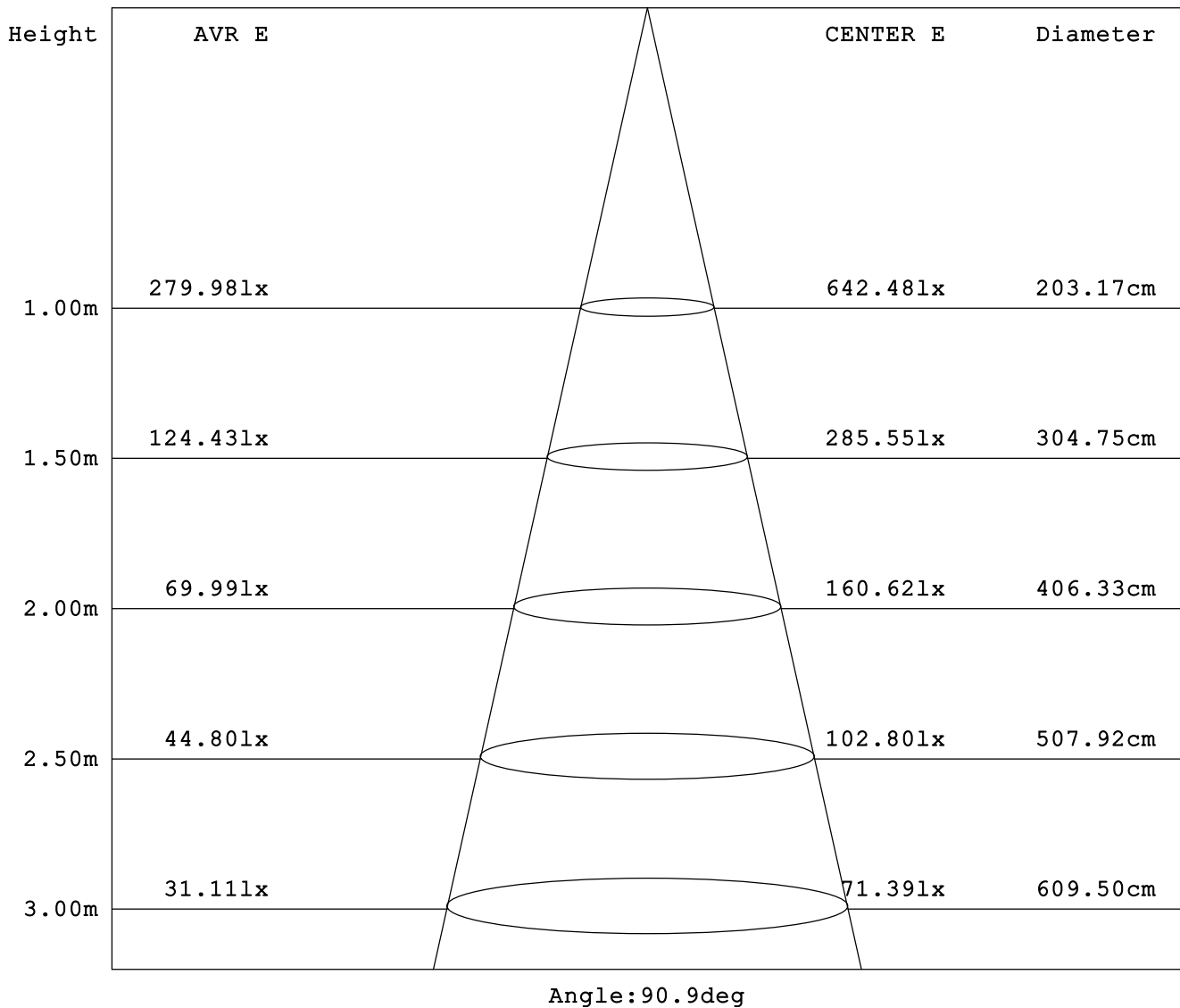
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025-7-15

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

AVERAGE AND CENTER E Figure

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ZONAL FLUX DIAGRAM

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γ	C0	C90	C180	C270					γ	zone	total
5.0	640.4	637.7	635.9	637.5					0- 5	15.30	15.30
10.0	631.1	625.8	621.9	626.0					5- 10	45.22	60.52
15.0	613.6	605.9	600.6	605.8					10- 15	73.12	133.6
20.0	589.4	578.1	572.0	578.2					15- 20	97.75	231.4
25.0	557.4	543.8	536.0	544.9					20- 25	117.9	349.4
30.0	519.5	501.6	494.9	503.6					25- 30	133.0	482.4
35.0	471.0	445.3	440.4	449.0					30- 35	140.9	623.3
40.0	413.5	382.9	380.4	386.6					35- 40	140.7	764.0
45.0	347.8	311.9	313.3	320.5					40- 45	132.2	896.3
50.0	282.0	241.4	241.9	248.6					45- 50	116.5	1013
55.0	210.0	169.8	170.7	178.7					50- 55	94.54	1107
60.0	140.4	103.2	106.5	111.5					55- 60	68.43	1176
65.0	78.99	48.22	52.32	54.23					60- 65	41.68	1218
70.0	36.04	18.19	23.05	23.50					65- 70	19.56	1237
75.0	14.86	8.889	8.970	12.19					70- 75	9.180	1246
80.0	5.874	2.582	2.477	4.784					75- 80	3.916	1250
85.0	1.578	0	0	0.681					80- 85	1.036	1251
90.0	0	0	0	0					85- 90	0.063	1251
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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 Test Date:2025-7-15

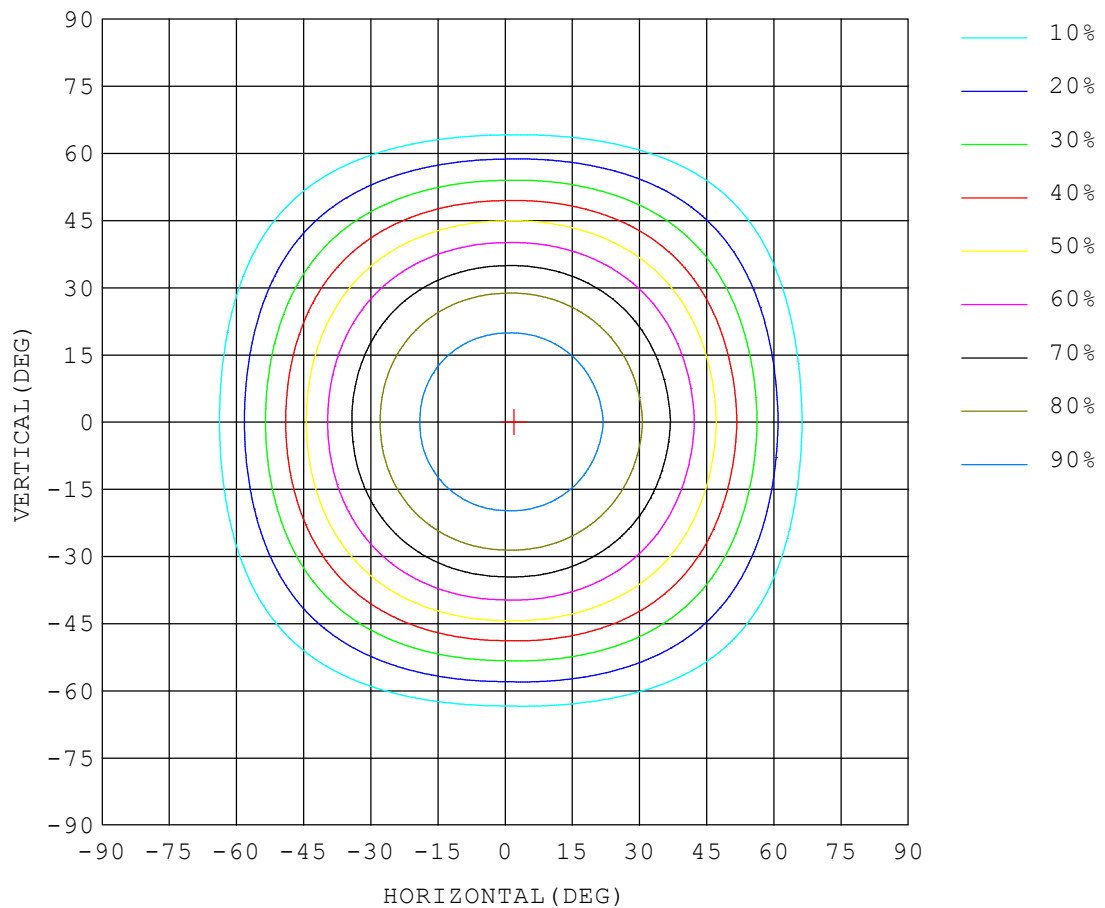
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ISOCANDELA DIAGRAM

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SPECIFICATION: Ra90 4000K	DIMENSION: \varnothing 160*80	SERIAL No.:

UNIT: cd



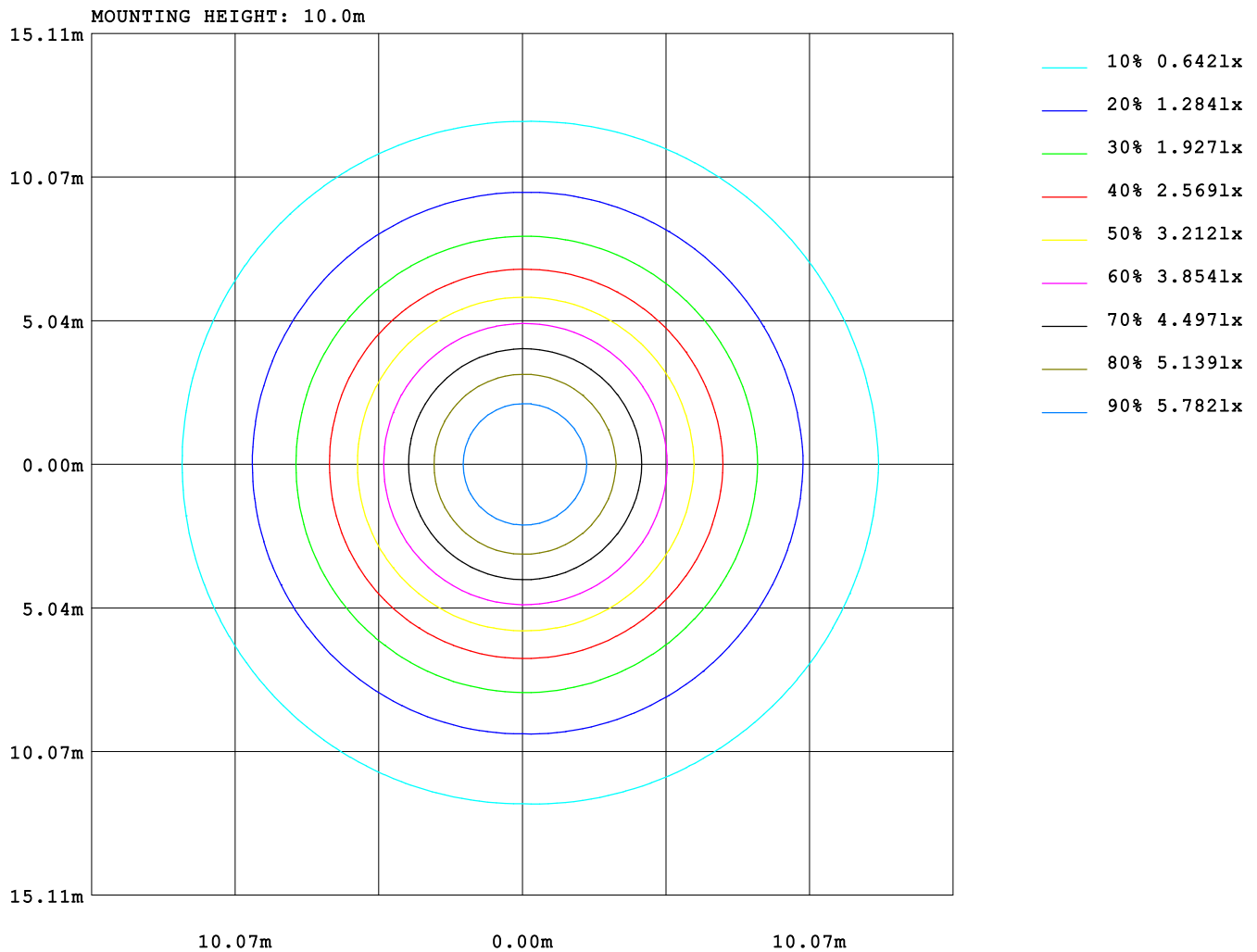
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ISOLUX DIAGRAM

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Uncorrected UGR Table

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SPECIFICATION: Ra90 4000K	DIMENSION: $\phi 160 \times 80$	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	22.4	23.7	22.7	23.9	24.1	21.7	23.0	22.0	23.2	23.4
3H	22.6	23.8	22.9	24.0	24.2	21.7	22.9	22.0	23.1	23.3
4H	22.5	23.7	22.8	23.9	24.2	21.6	22.7	21.9	23.0	23.2
6H	22.5	23.5	22.8	23.8	24.0	21.5	22.6	21.8	22.8	23.1
8H	22.4	23.4	22.8	23.7	24.0	21.5	22.5	21.8	22.8	23.0
12H	22.4	23.3	22.7	23.6	23.9	21.4	22.4	21.8	22.7	23.0
4H 2H	22.5	23.6	22.8	23.9	24.1	21.8	23.0	22.1	23.2	23.4
3H	22.7	23.6	23.0	23.9	24.2	21.8	22.8	22.2	23.1	23.4
4H	22.7	23.5	23.0	23.8	24.2	21.8	22.7	22.2	23.0	23.3
6H	22.6	23.4	23.0	23.7	24.1	21.7	22.5	22.1	22.8	23.2
8H	22.6	23.3	23.0	23.6	24.0	21.7	22.4	22.1	22.7	23.1
12H	22.5	23.2	22.9	23.5	23.9	21.6	22.3	22.0	22.7	23.1
8H 4H	22.5	23.3	22.9	23.6	24.0	21.7	22.4	22.1	22.8	23.1
6H	22.5	23.1	22.9	23.5	23.9	21.6	22.2	22.1	22.6	23.0
8H	22.5	23.0	22.9	23.4	23.8	21.6	22.1	22.0	22.5	23.0
12H	22.4	22.9	22.9	23.3	23.8	21.5	22.0	22.0	22.4	22.9
12H 4H	22.5	23.1	22.9	23.5	23.9	21.7	22.3	22.1	22.7	23.1
6H	22.5	23.0	22.9	23.4	23.8	21.6	22.1	22.0	22.5	23.0
8H	22.4	22.9	22.9	23.3	23.8	21.5	22.0	22.0	22.4	22.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 1.0					+ 1.0 / - 1.4				
1.5H	+ 0.4 / - 0.8					+ 0.4 / - 0.5				
2.0H	+ 1.6 / - 2.7					+ 1.8 / - 2.9				

CIE Pub.117 Corrected 1251 lm Total Lamp Luminous Flux. ($8 \log(F/F_0) = 0.8$)

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