

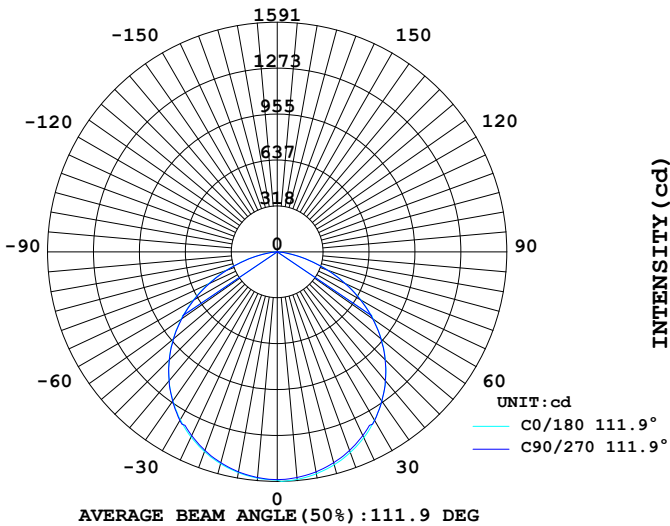
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

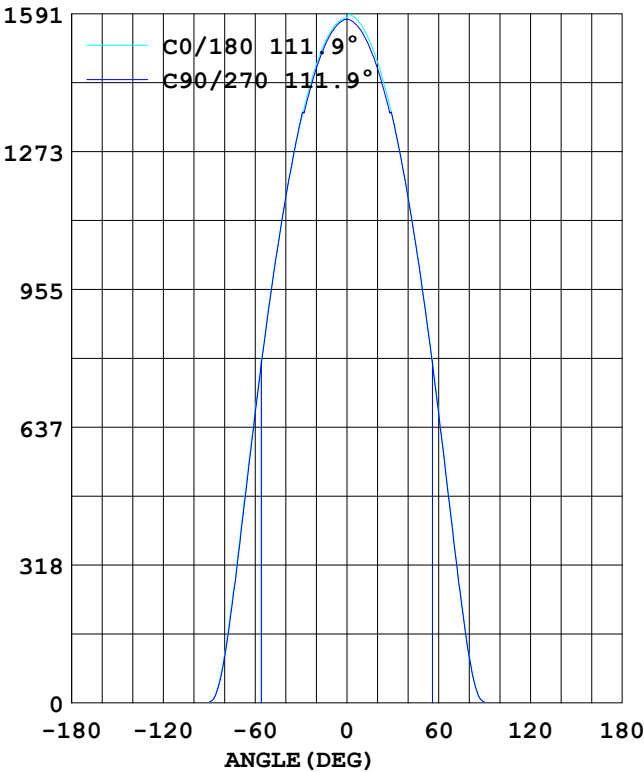
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Emilia CR	TYPE:IL-PL32-N04040-110	WEIGHT:
SPECIFICATION:2835LED、4000K	DIMENSION: 595*595	SERIAL No.:

DATA OF LAMP		Imax(cd)	1592	S/MH (C0/180)	1.26
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.27
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	4319.9	Voltage(V)	226.8
RATED VOLTAGE (V)	226	EFFICIENCY (lm/W)	112.1	Current(A)	0.208
NOMINAL FLUX(lm)	4320.0	η up (%)	0.0	Power (W)	38.54
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.956
TEST VOLTAGE (V)	226.9	Effective Flux(lm)	4320.0	EEI	0.134

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025.07.16

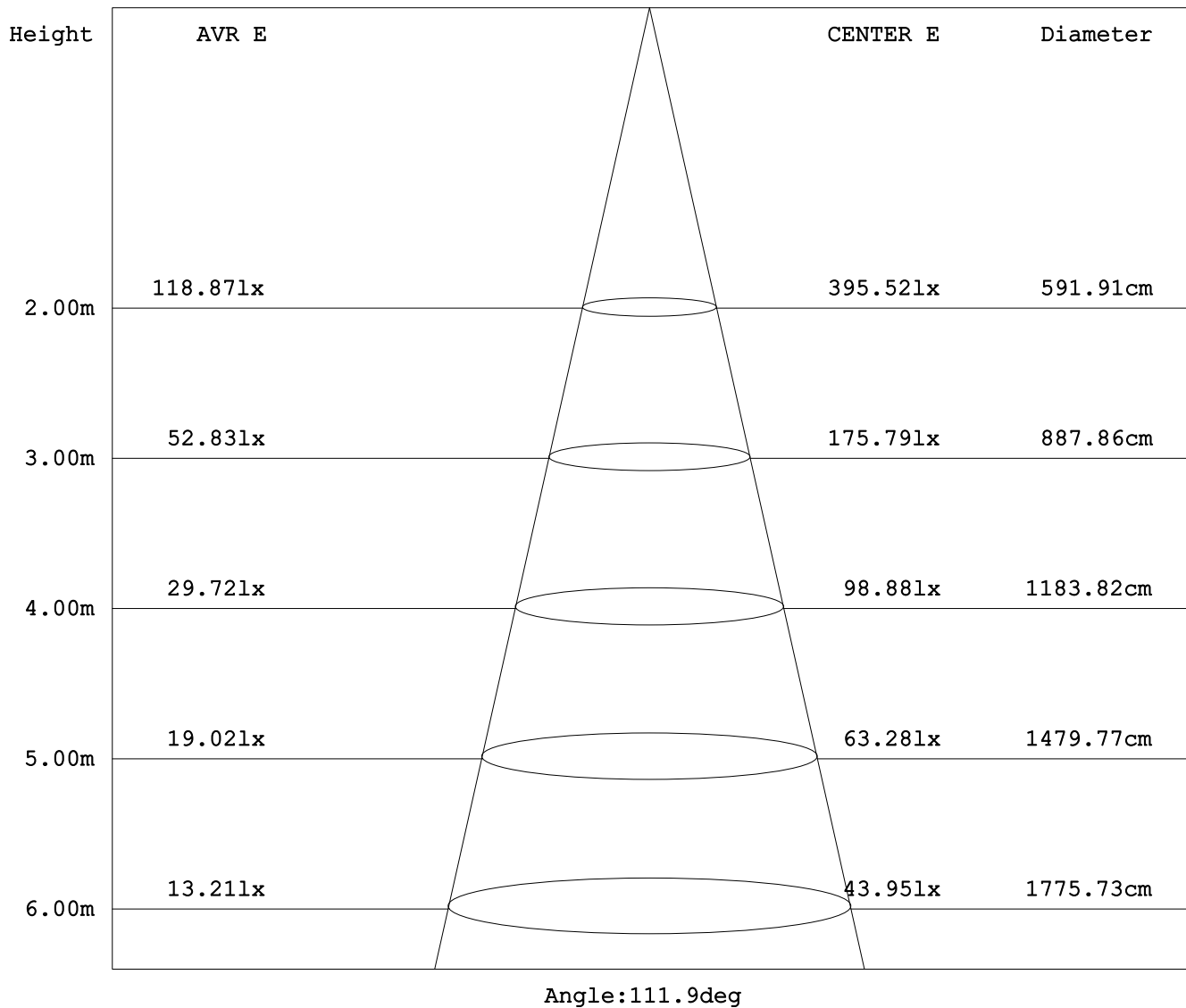
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AVERAGE AND CENTER E Figure

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## HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Emilia CR	TYPE:IL-PL32-N04040-110	WEIGHT:
SPECIFICATION:2835LED、4000K	DIMENSION: 595*595	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zOne	total
5.0	1574	1566	1570	1584	1583	1584	1570	1566	0- 5	37.74	37.74
10.0	1554	1544	1548	1563	1562	1563	1548	1544	5- 10	111.8	149.6
15.0	1519	1509	1512	1527	1527	1527	1512	1509	10- 15	182.1	331.8
20.0	1473	1461	1465	1479	1480	1479	1465	1461	15- 20	246.2	578.0
25.0	1415	1400	1404	1419	1420	1419	1404	1400	20- 25	302.1	880.2
30.0	1344	1328	1350	1346	1348	1346	1350	1328	25- 30	348.1	1228
35.0	1261	1243	1264	1261	1264	1261	1264	1243	30- 35	382.7	1611
40.0	1165	1144	1166	1162	1167	1162	1166	1144	35- 40	403.3	2014
45.0	1059	1036	1058	1053	1060	1053	1058	1036	40- 45	409.6	2424
50.0	941.9	915.5	938.1	932.6	941.2	932.6	938.1	915.5	45- 50	401.0	2825
55.0	813.1	785.0	807.6	801.5	811.8	801.5	807.6	785.0	50- 55	376.9	3202
60.0	675.1	644.8	667.6	660.5	672.8	660.5	667.6	644.8	55- 60	337.9	3540
65.0	526.4	497.2	517.7	511.9	523.2	511.9	517.7	497.2	60- 65	285.3	3825
70.0	378.0	366.3	368.7	368.3	374.2	368.3	368.7	366.3	65- 70	222.1	4048
75.0	237.3	206.4	227.6	217.4	233.4	217.4	227.6	206.4	70- 75	152.4	4200
80.0	111.8	89.52	105.0	97.01	108.7	97.01	105.0	89.52	75- 80	84.73	4285
85.0	28.84	16.56	26.23	19.92	27.58	19.92	26.23	16.56	80- 85	30.92	4316
90.0	1.750	0	1.666	0	1.666	0	1.666	0	85- 90	4.289	4320
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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## Uncorrected UGR Table

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MANUFACTURER: ILUMEN GMBH						Address:					
NAME: Emilia CR						TYPE:IL-PL32-N04040-110		WEIGHT:			
SPECIFICATION:2835LED、4000K						DIMENSION: 595*595		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	17.7	19.2	17.9	19.4	19.6	17.6	19.1	17.9	19.3	19.5	
	3H	19.0	20.3	19.3	20.6	20.8	18.9	20.3	19.2	20.5	20.7
	4H	19.3	20.7	19.7	20.9	21.2	19.3	20.6	19.6	20.8	21.1
	6H	19.5	20.8	19.9	21.0	21.3	19.4	20.7	19.8	20.9	21.2
	8H	19.6	20.7	19.9	21.0	21.3	19.5	20.6	19.8	20.9	21.2
	12H	19.5	20.7	19.9	21.0	21.3	19.4	20.6	19.8	20.9	21.2
4H	2H	18.2	19.5	18.5	19.7	20.0	18.1	19.5	18.5	19.7	20.0
	3H	19.6	20.7	20.0	21.0	21.3	19.6	20.7	19.9	21.0	21.3
	4H	20.1	21.1	20.5	21.4	21.8	20.0	21.1	20.4	21.4	21.7
	6H	20.4	21.3	20.8	21.6	22.0	20.3	21.2	20.7	21.5	21.9
	8H	20.4	21.2	20.8	21.6	22.0	20.3	21.1	20.7	21.5	21.9
	12H	20.4	21.2	20.8	21.5	22.0	20.3	21.1	20.7	21.4	21.9
8H	4H	20.2	21.1	20.6	21.4	21.8	20.1	21.0	20.6	21.4	21.7
	6H	20.5	21.2	21.0	21.6	22.1	20.5	21.2	20.9	21.6	22.0
	8H	20.6	21.2	21.1	21.7	22.1	20.5	21.1	21.0	21.6	22.0
	12H	20.6	21.2	21.1	21.6	22.1	20.5	21.1	21.0	21.5	22.0
12H	4H	20.2	21.0	20.6	21.3	21.8	20.1	20.9	20.6	21.3	21.7
	6H	20.5	21.2	21.0	21.6	22.0	20.5	21.1	20.9	21.5	21.9
	8H	20.6	21.1	21.1	21.6	22.1	20.5	21.1	21.0	21.5	22.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.4					

CIE Pub.117 Corrected 4320 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.1)

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