

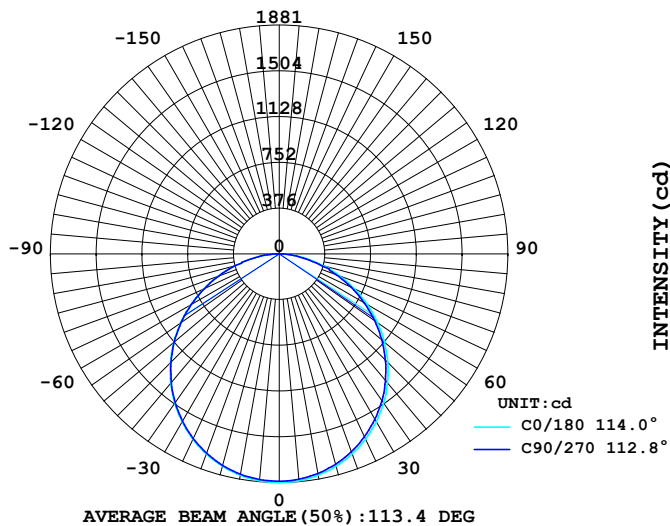
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

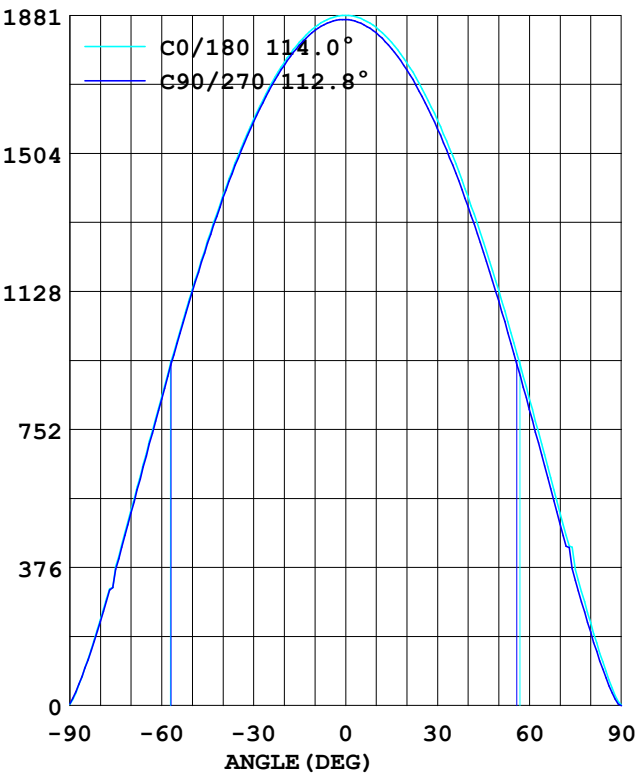
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Emilia	TYPE: IL-PL16-N03640-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 1195*295	SERIAL No.:

DATA OF LAMP		Imax (cd)	1881	S/MH (C0/180)	1.26
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.26
NOMINAL POWER (W)	40	TOTAL FLUX (lm)	5387.7	Voltage (V)	217.3
RATED VOLTAGE (V)	218	EFFICIENCY (lm/W)	140.7	Current (A)	0.181
NOMINAL FLUX (lm)	5387.8	$\eta$ up (%)	0.0	Power (W)	38.29
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.979
TEST VOLTAGE (V)	217.3	Effective Flux (lm)	0.0	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



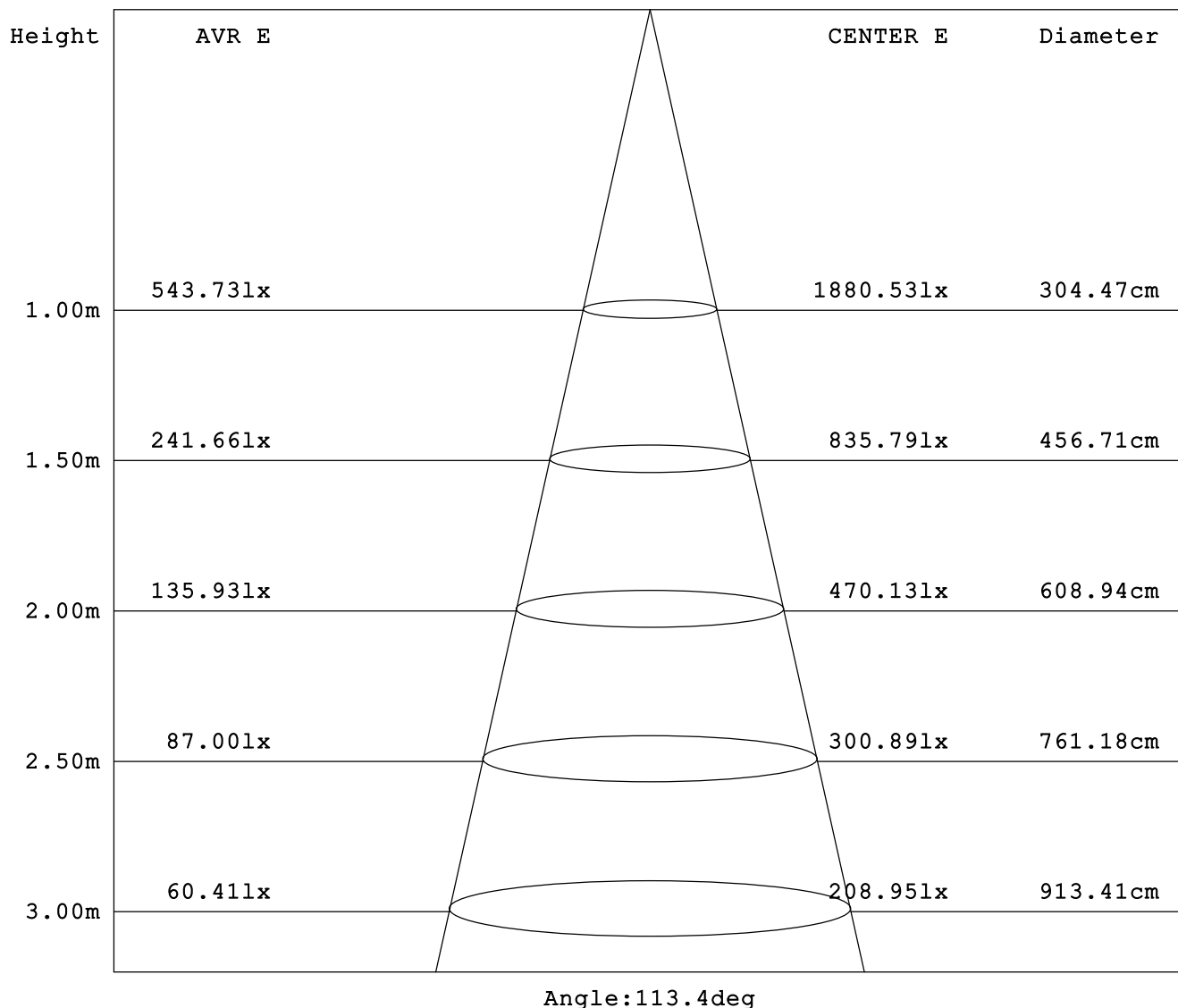
Test System:  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2024-6-30

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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SPECIFICATION: Ra80 4000K	DIMENSION: 1195*295	SERIAL No.:



Test System:  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024-6-30

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Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Emilia	TYPE: IL-PL16-N03640-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 1195*295	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1872	1867	1862	1858	1872	1864	1859	1858	0- 5	44.66	44.66
10.0	1848	1843	1839	1833	1848	1838	1833	1834	5- 10	132.4	177.1
15.0	1808	1805	1800	1793	1807	1795	1790	1794	10- 15	215.8	392.9
20.0	1752	1749	1744	1737	1752	1739	1732	1739	15- 20	291.9	684.8
25.0	1682	1679	1675	1665	1681	1666	1659	1668	20- 25	358.1	1043
30.0	1597	1596	1591	1581	1595	1579	1572	1583	25- 30	412.3	1455
35.0	1499	1498	1491	1482	1498	1481	1473	1486	30- 35	452.8	1908
40.0	1390	1386	1383	1370	1386	1369	1360	1376	35- 40	478.1	2386
45.0	1267	1265	1260	1250	1262	1245	1234	1254	40- 45	487.3	2874
50.0	1133	1131	1127	1115	1131	1115	1102	1124	45- 50	480.2	3354
55.0	992.9	987.8	986.7	971.2	987.4	970.6	958.0	981.2	50- 55	456.8	3811
60.0	842.5	838.7	835.5	822.6	835.9	819.7	806.5	831.2	55- 60	418.0	4229
65.0	687.1	681.7	679.7	666.2	683.1	667.6	653.2	679.7	60- 65	365.4	4594
70.0	533.5	522.2	525.7	507.3	524.9	510.1	495.0	522.7	65- 70	301.8	4896
75.0	378.8	369.9	371.2	356.3	369.9	356.2	340.8	368.7	70- 75	231.1	5127
80.0	233.4	221.5	228.0	209.8	225.5	214.5	200.0	226.6	75- 80	154.7	5282
85.0	103.5	90.44	102.4	80.42	93.27	84.28	75.09	94.83	80- 85	83.42	5366
90.0	3.322	1.859	5.202	0	1.023	2.486	0	4.157	85- 90	22.17	5388
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:2024-6-30

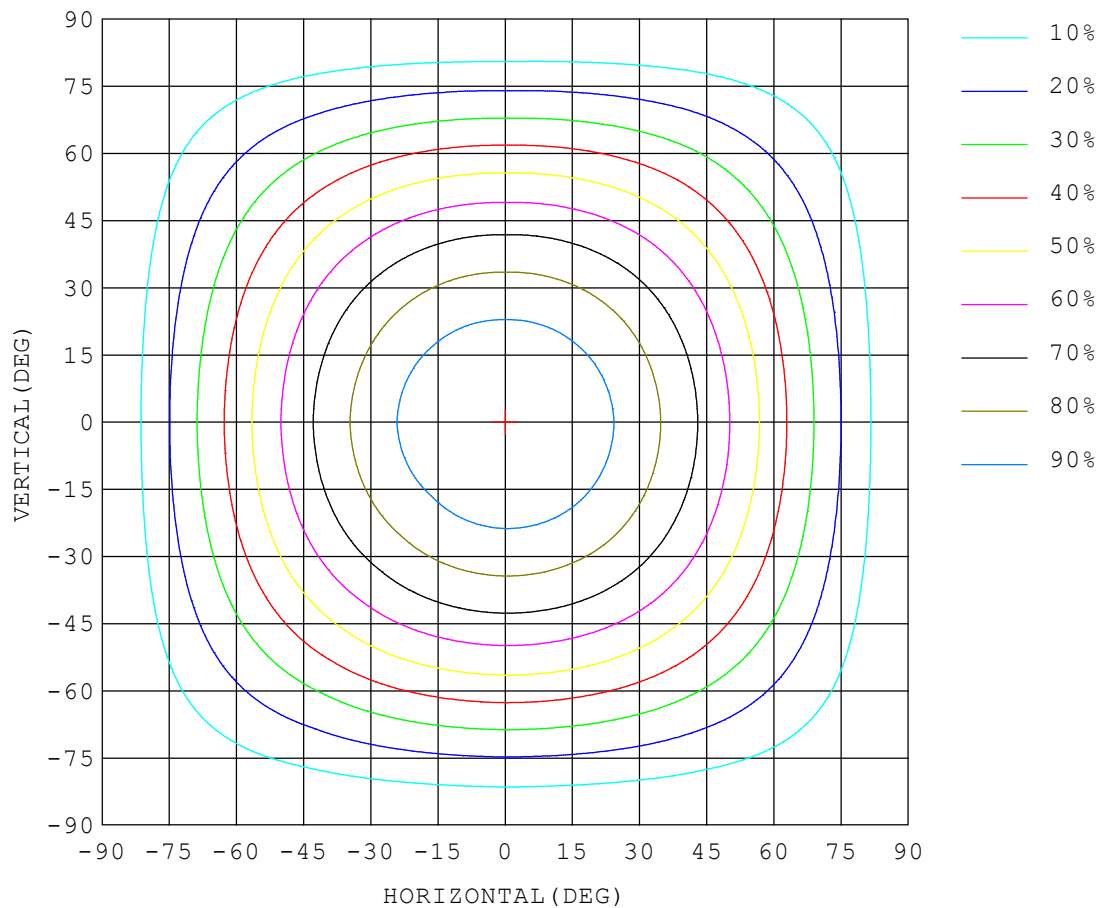
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

## ISOCANDELA DIAGRAM

Report number:

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NAME: Emilia	TYPE: IL-PL16-N03640-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 1195*295	SERIAL No.:

UNIT: cd



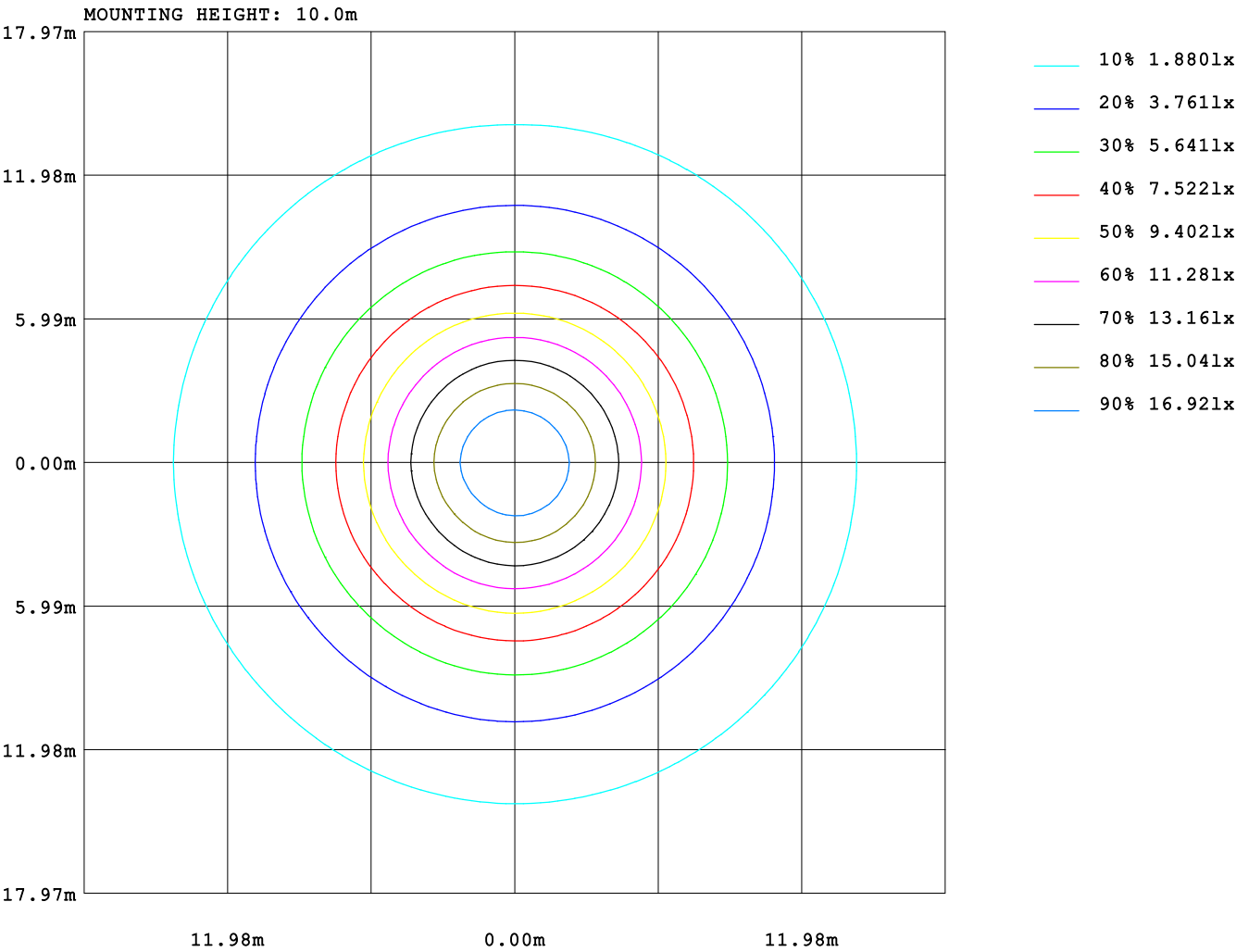
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2024-6-30

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

ISOLUX DIAGRAM

Report number:

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SPECIFICATION: Ra80 4000K	DIMENSION: 1195*295	SERIAL No.:



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Test Date:2024-6-30

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Remarks:

## Uncorrected UGR Table

Report number:

MANUFACTURER: ILUMEN GMBH	Address:			
NAME: Emilia	TYPE:IL-PL16-N03640-110		WEIGHT:	
SPECIFICATION:Ra80 4000K	DIMENSION: 1195*295		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	18.4	19.9	18.6	20.1	20.3	18.3	19.9	18.6	20.1	20.3
3H	19.9	21.3	20.2	21.6	21.8	19.9	21.3	20.2	21.5	21.8
4H	20.5	21.9	20.8	22.1	22.4	20.5	21.8	20.8	22.1	22.3
6H	21.0	22.3	21.3	22.5	22.8	20.9	22.2	21.3	22.5	22.8
8H	21.2	22.4	21.5	22.7	23.0	21.1	22.3	21.4	22.6	22.9
12H	21.3	22.4	21.6	22.7	23.0	21.2	22.4	21.5	22.7	23.0
4H 2H	19.0	20.3	19.3	20.6	20.8	19.0	20.3	19.3	20.6	20.8
3H	20.7	21.9	21.1	22.2	22.5	20.7	21.9	21.0	22.2	22.5
4H	21.5	22.5	21.8	22.8	23.2	21.4	22.5	21.8	22.8	23.1
6H	22.0	23.0	22.4	23.4	23.7	22.0	23.0	22.4	23.3	23.7
8H	22.3	23.2	22.7	23.5	23.9	22.2	23.1	22.6	23.5	23.8
12H	22.4	23.2	22.8	23.6	24.0	22.3	23.2	22.8	23.5	24.0
8H 4H	21.7	22.6	22.1	23.0	23.4	21.7	22.6	22.1	22.9	23.3
6H	22.5	23.2	22.9	23.6	24.0	22.4	23.2	22.9	23.6	24.0
8H	22.8	23.4	23.2	23.8	24.3	22.7	23.4	23.2	23.8	24.2
12H	23.0	23.6	23.5	24.0	24.5	22.9	23.5	23.4	23.9	24.4
12H 4H	21.7	22.6	22.2	22.9	23.3	21.7	22.5	22.1	22.9	23.3
6H	22.5	23.2	23.0	23.6	24.1	22.5	23.1	22.9	23.6	24.0
8H	22.9	23.4	23.3	23.9	24.4	22.8	23.4	23.3	23.8	24.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 5388 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.9)

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