

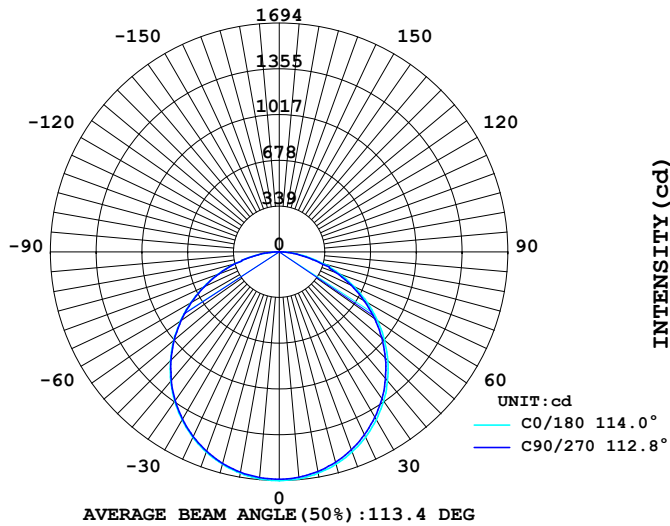
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

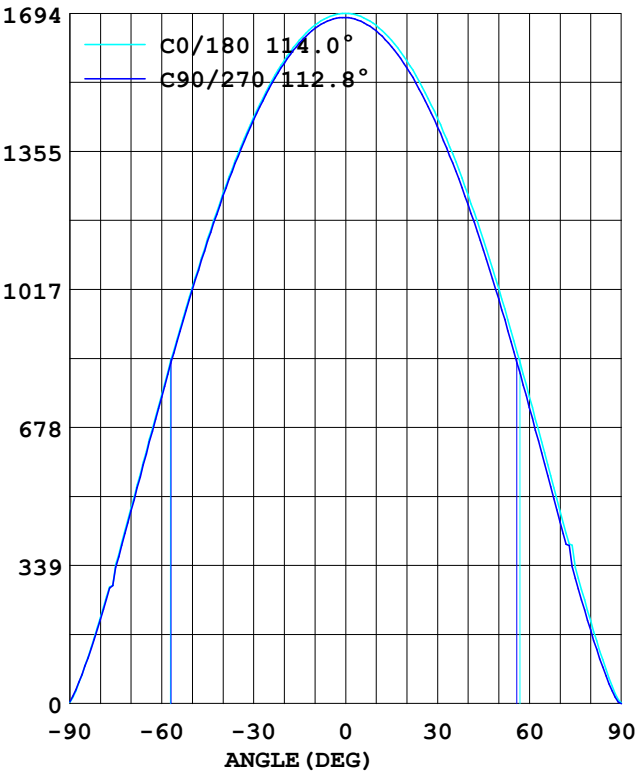
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Emilia	TYPE: IL-PL16-N03640-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 1195*295	SERIAL No.:

DATA OF LAMP		Imax(cd)	1694	S/MH (C0/180)	1.26
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.26
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	4854.1	Voltage(V)	217.3
RATED VOLTAGE (V)	218	EFFICIENCY (lm/W)	141.5	Current(A)	0.181
NOMINAL FLUX(lm)	4854.2	$\eta$ up (%)	0.0	Power(W)	34.29
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.979
TEST VOLTAGE (V)	217.3	Effective Flux(lm)	4854.2	EEL	0.096

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



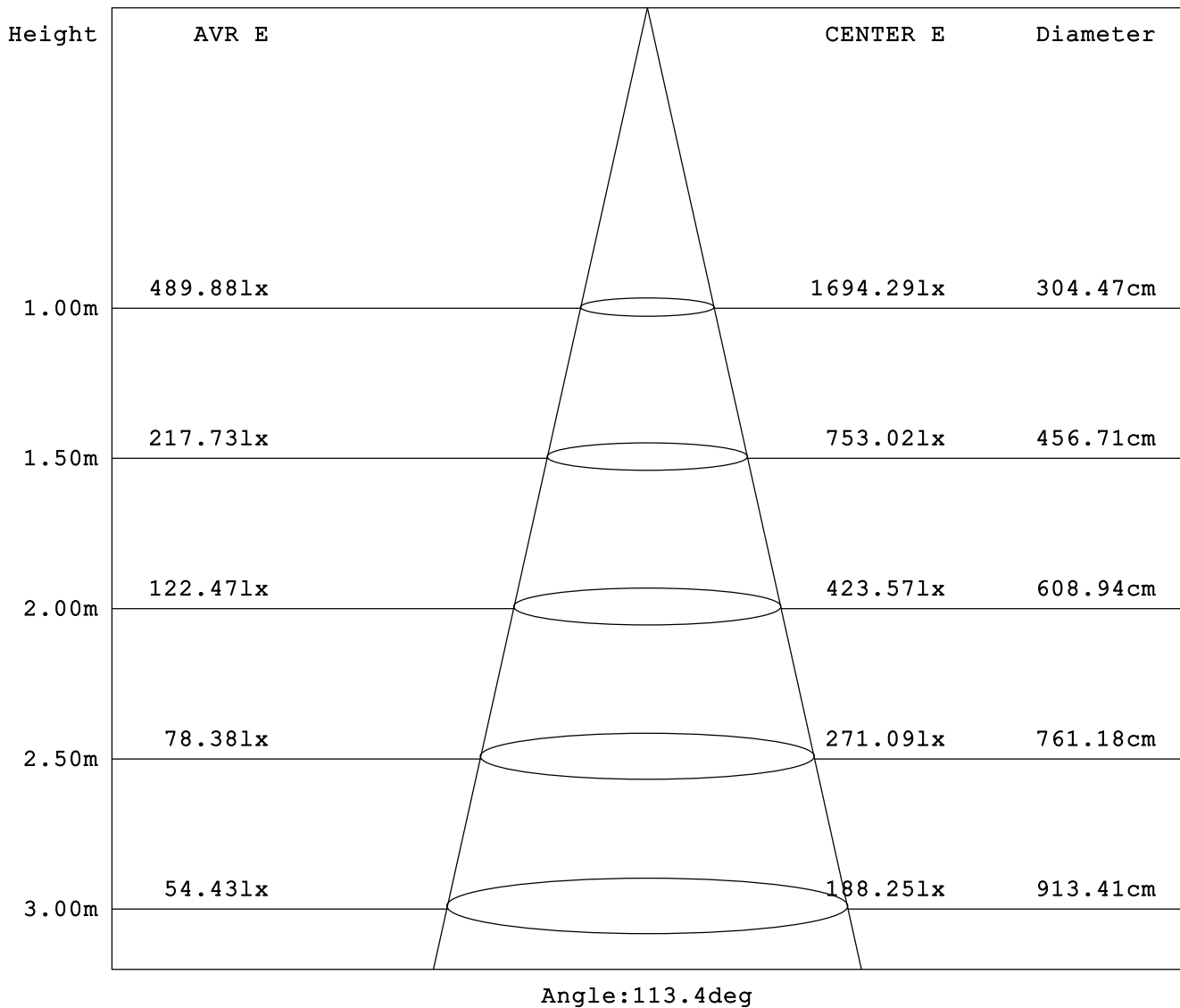
Test System:  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2024-6-30

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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Operators:  
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## 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	1687	1682	1678	1674	1687	1679	1675	1674	0- 5	40.24	40.24
10.0	1665	1660	1657	1652	1665	1656	1651	1653	5- 10	119.3	159.6
15.0	1629	1626	1622	1616	1628	1618	1612	1616	10- 15	194.4	354.0
20.0	1579	1576	1571	1565	1578	1567	1561	1566	15- 20	262.9	617.0
25.0	1516	1512	1509	1500	1514	1501	1495	1503	20- 25	322.6	939.7
30.0	1439	1438	1433	1424	1437	1423	1416	1426	25- 30	371.5	1311
35.0	1350	1349	1344	1335	1350	1334	1327	1339	30- 35	407.9	1719
40.0	1252	1249	1246	1234	1249	1233	1225	1240	35- 40	430.8	2150
45.0	1141	1140	1135	1126	1137	1122	1112	1130	40- 45	439.1	2589
50.0	1021	1019	1015	1004	1019	1004	993.2	1013	45- 50	432.6	3022
55.0	894.6	890.0	889.0	875.0	889.6	874.4	863.1	884.0	50- 55	411.6	3434
60.0	759.0	755.6	752.7	741.1	753.1	738.5	726.7	748.9	55- 60	376.6	3810
65.0	619.1	614.2	612.4	600.2	615.4	601.5	588.5	612.4	60- 65	329.2	4139
70.0	480.6	470.5	473.7	457.1	472.9	459.5	446.0	470.9	65- 70	271.9	4411
75.0	341.3	333.2	334.4	321.0	333.2	320.9	307.1	332.2	70- 75	208.2	4620
80.0	210.3	199.6	205.4	189.0	203.1	193.3	180.2	204.2	75- 80	139.3	4759
85.0	93.25	81.49	92.31	72.45	84.03	75.93	67.65	85.44	80- 85	75.15	4834
90.0	2.993	1.675	4.687	0	0.922	2.240	0	3.746	85- 90	19.97	4854
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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Temperature:25.3DEG  
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Test Date:2024-6-30

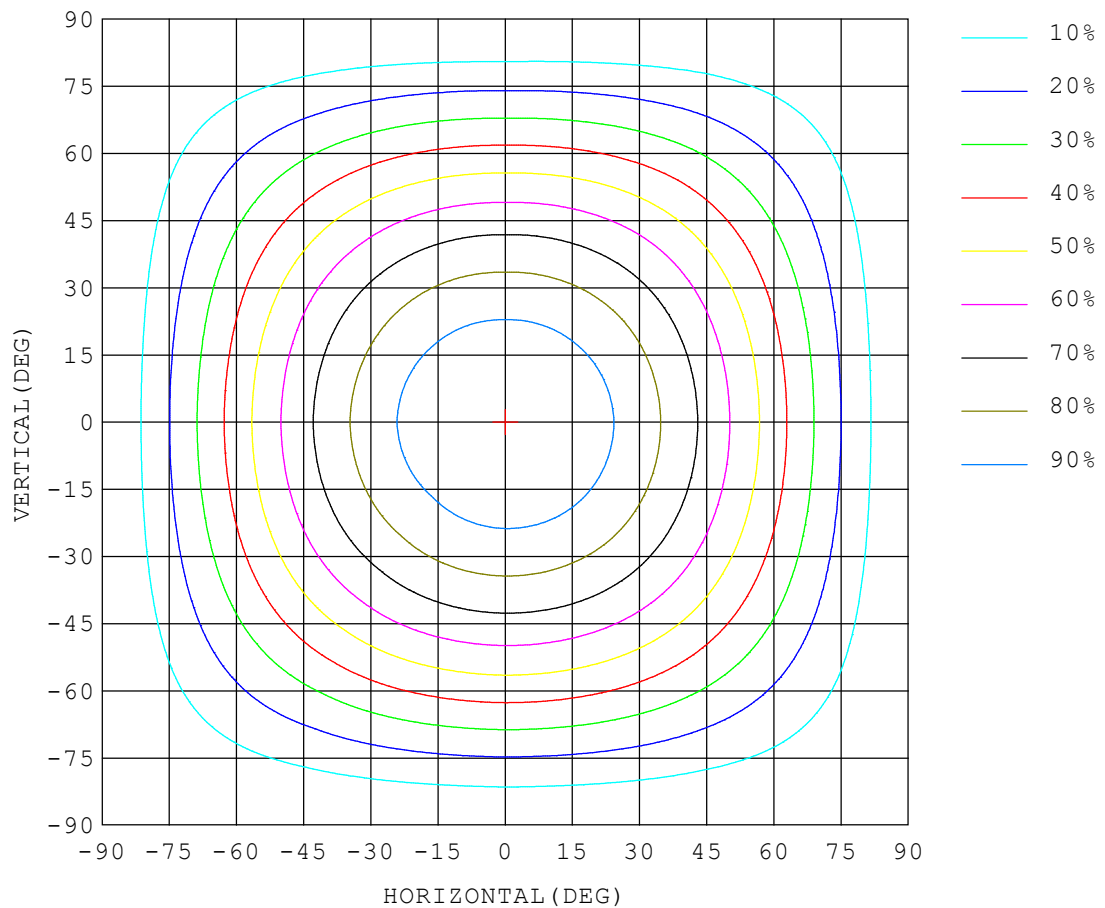
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## ISOCANDELA DIAGRAM

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

UNIT: cd



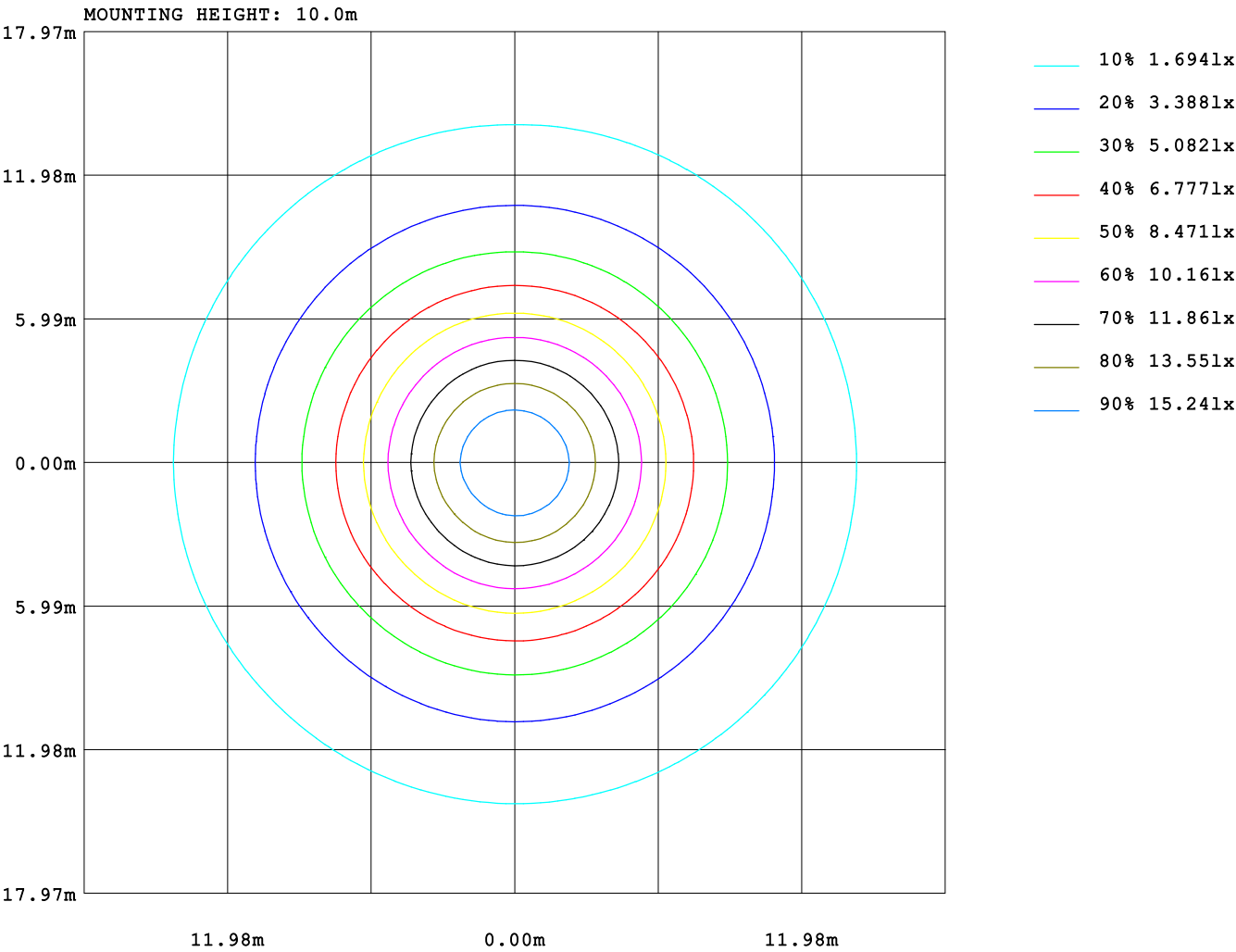
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2024-6-30

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

ISOLUX DIAGRAM

Report number:

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## Uncorrected UGR Table

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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	18.0	19.5	18.3	19.7	19.9	18.0	19.5	18.2	19.7	19.9
3H	19.6	21.0	19.9	21.2	21.4	19.5	20.9	19.8	21.2	21.4
4H	20.2	21.5	20.5	21.8	22.0	20.1	21.5	20.4	21.7	22.0
6H	20.6	21.9	21.0	22.2	22.5	20.6	21.8	20.9	22.1	22.4
8H	20.8	22.0	21.1	22.3	22.6	20.7	22.0	21.1	22.2	22.5
12H	20.9	22.1	21.2	22.4	22.7	20.8	22.0	21.2	22.3	22.6
4H 2H	18.6	20.0	18.9	20.2	20.5	18.6	19.9	18.9	20.2	20.5
3H	20.4	21.5	20.7	21.8	22.1	20.3	21.5	20.7	21.8	22.1
4H	21.1	22.2	21.5	22.5	22.8	21.0	22.1	21.4	22.4	22.8
6H	21.7	22.6	22.1	23.0	23.4	21.6	22.6	22.0	22.9	23.3
8H	21.9	22.8	22.3	23.2	23.5	21.8	22.7	22.3	23.1	23.5
12H	22.0	22.9	22.5	23.2	23.7	22.0	22.8	22.4	23.2	23.6
8H 4H	21.4	22.2	21.8	22.6	23.0	21.3	22.2	21.7	22.6	23.0
6H	22.1	22.8	22.5	23.3	23.7	22.1	22.8	22.5	23.2	23.6
8H	22.4	23.1	22.9	23.5	23.9	22.3	23.0	22.8	23.4	23.9
12H	22.6	23.2	23.1	23.6	24.1	22.6	23.1	23.0	23.6	24.1
12H 4H	21.4	22.2	21.8	22.6	23.0	21.3	22.2	21.8	22.5	22.9
6H	22.2	22.8	22.6	23.2	23.7	22.1	22.8	22.6	23.2	23.6
8H	22.5	23.1	23.0	23.5	24.0	22.4	23.0	22.9	23.5	23.9
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 4854 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.5)

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