

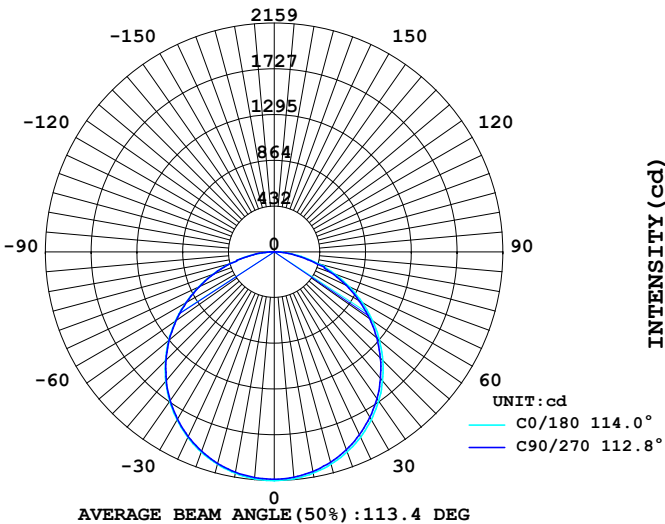
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

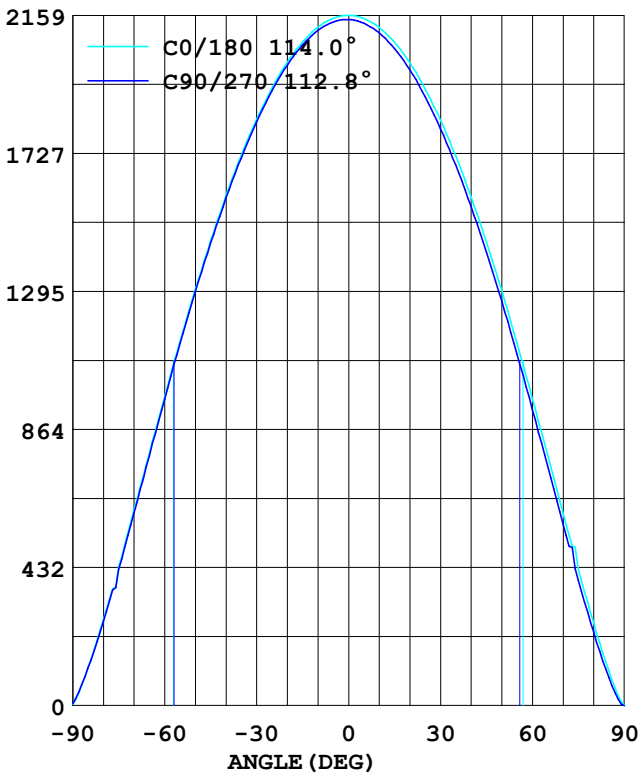
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Emilia	TYPE: IL-PL16-N04840-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:

DATA OF LAMP		Imax (cd)	2159	S/MH (C0/180)	1.26
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.26
NOMINAL POWER (W)	48	TOTAL FLUX (lm)	6185.0	Voltage (V)	217.3
RATED VOLTAGE (V)	218	EFFICIENCY (lm/W)	137.8	Current (A)	0.181
NOMINAL FLUX (lm)	6185.1	$\eta$ up (%)	0.0	Power (W)	44.86
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.979
TEST VOLTAGE (V)	217.3	Effective Flux (lm)	6185.1	EEL	0.099

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



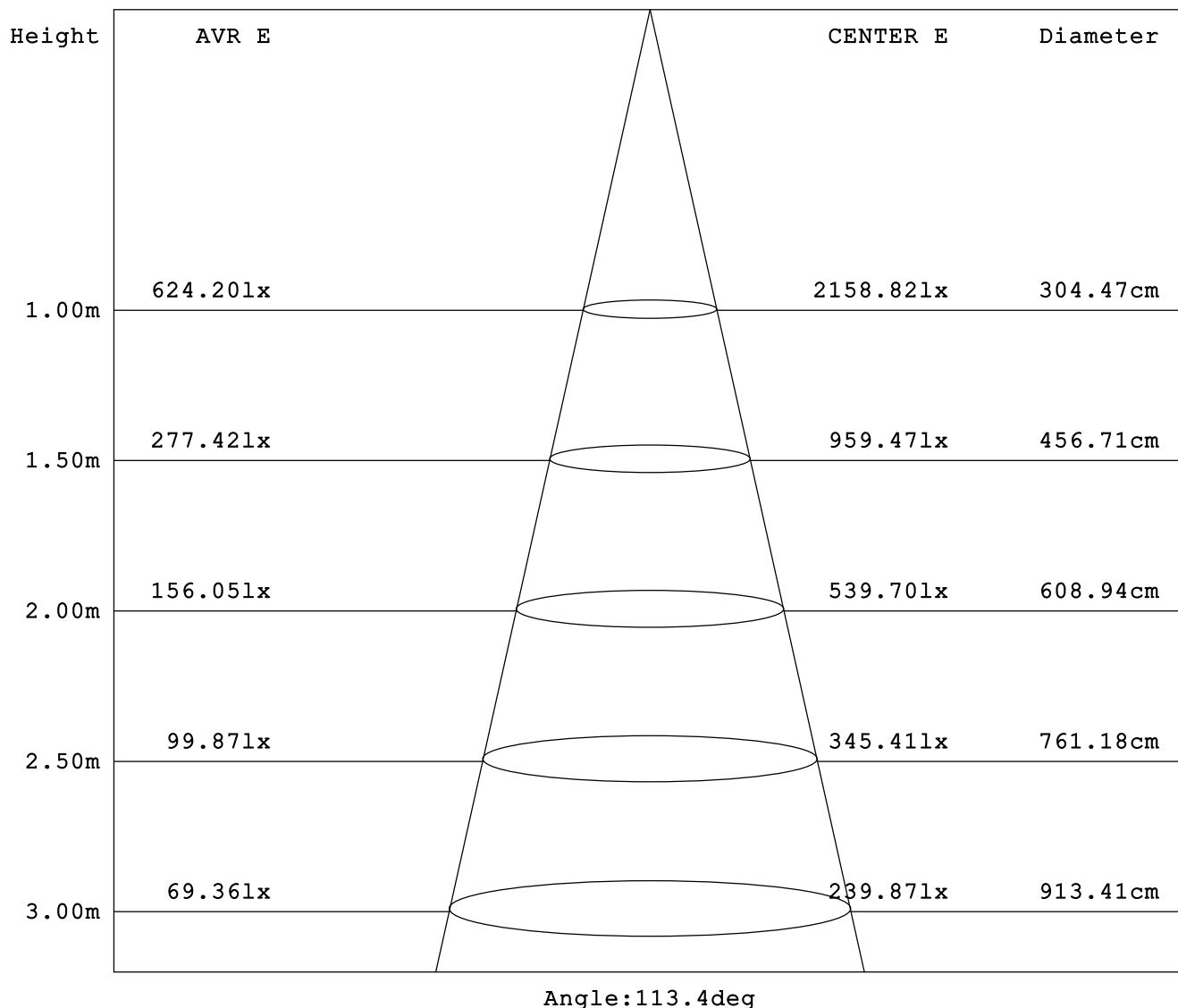
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2024-6-30

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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## ZONAL FLUX DIAGRAM

Report number:

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NAME: Emilia	TYPE: IL-PL16-N04840-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	2149	2143	2138	2133	2149	2140	2134	2134	0- 5	51.27	51.27
10.0	2121	2116	2111	2105	2121	2110	2104	2106	5- 10	152.0	203.3
15.0	2075	2072	2066	2059	2074	2061	2054	2059	10- 15	247.7	451.1
20.0	2011	2008	2002	1994	2011	1996	1989	1996	15- 20	335.1	786.2
25.0	1931	1927	1923	1911	1929	1912	1905	1915	20- 25	411.1	1197
30.0	1834	1832	1826	1815	1831	1813	1804	1817	25- 30	473.3	1671
35.0	1720	1719	1712	1701	1720	1700	1691	1706	30- 35	519.8	2191
40.0	1596	1591	1587	1573	1591	1572	1561	1580	35- 40	548.9	2740
45.0	1454	1453	1446	1434	1449	1430	1417	1439	40- 45	559.4	3299
50.0	1300	1299	1293	1280	1298	1280	1266	1291	45- 50	551.3	3850
55.0	1140	1134	1133	1115	1134	1114	1100	1126	50- 55	524.4	4375
60.0	967.2	962.8	959.1	944.4	959.6	941.0	925.9	954.2	55- 60	479.9	4855
65.0	788.8	782.6	780.3	764.8	784.1	766.4	749.8	780.3	60- 65	419.5	5274
70.0	612.4	599.5	603.5	582.4	602.6	585.5	568.3	600.1	65- 70	346.5	5621
75.0	434.9	424.6	426.2	409.0	424.6	408.9	391.3	423.3	70- 75	265.3	5886
80.0	268.0	254.3	261.7	240.9	258.9	246.3	229.6	260.2	75- 80	177.6	6064
85.0	118.8	103.8	117.6	92.32	107.0	96.75	86.20	108.8	80- 85	95.76	6160
90.0	3.813	2.134	5.972	0	1.175	2.854	0	4.773	85- 90	25.45	6185
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  
Operators:  
Test Date:2024-6-30

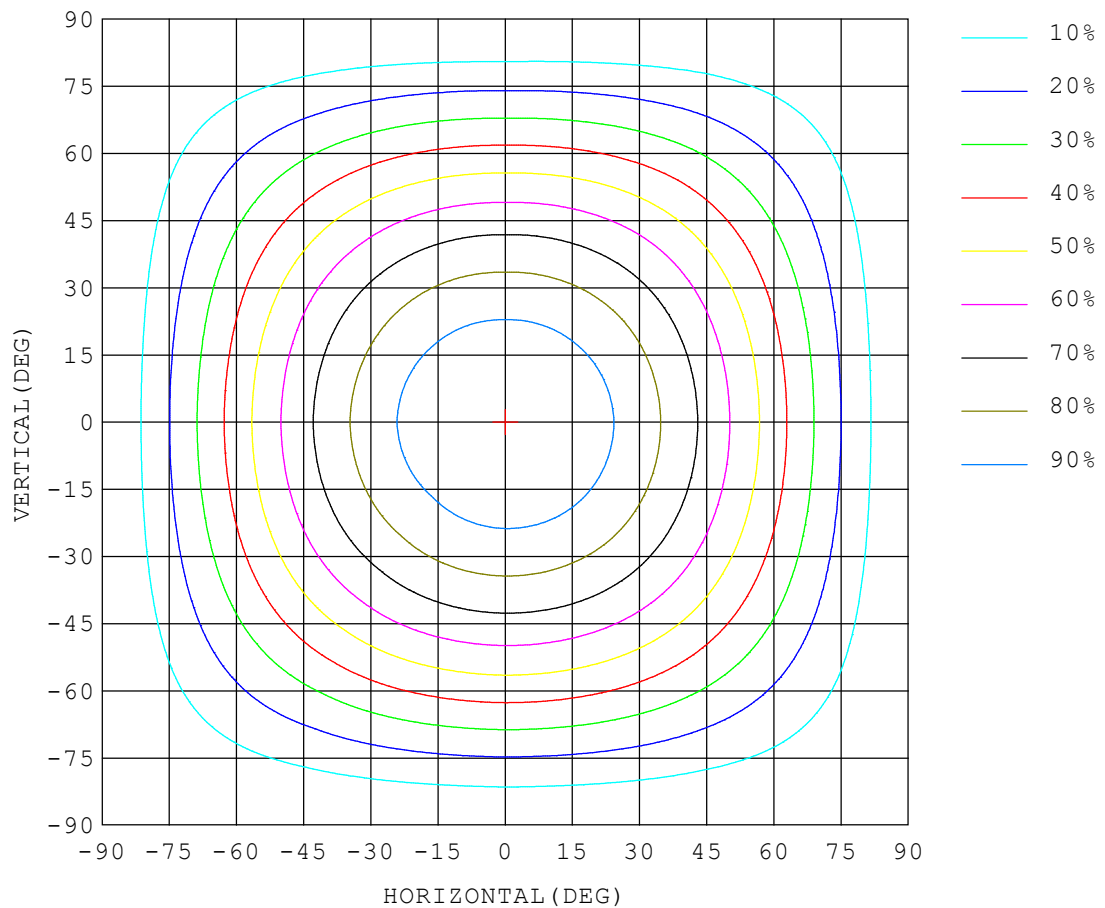
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Remarks:

## ISOCANDELA DIAGRAM

Report number:

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NAME: Emilia	TYPE: IL-PL16-N04840-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:

UNIT: cd



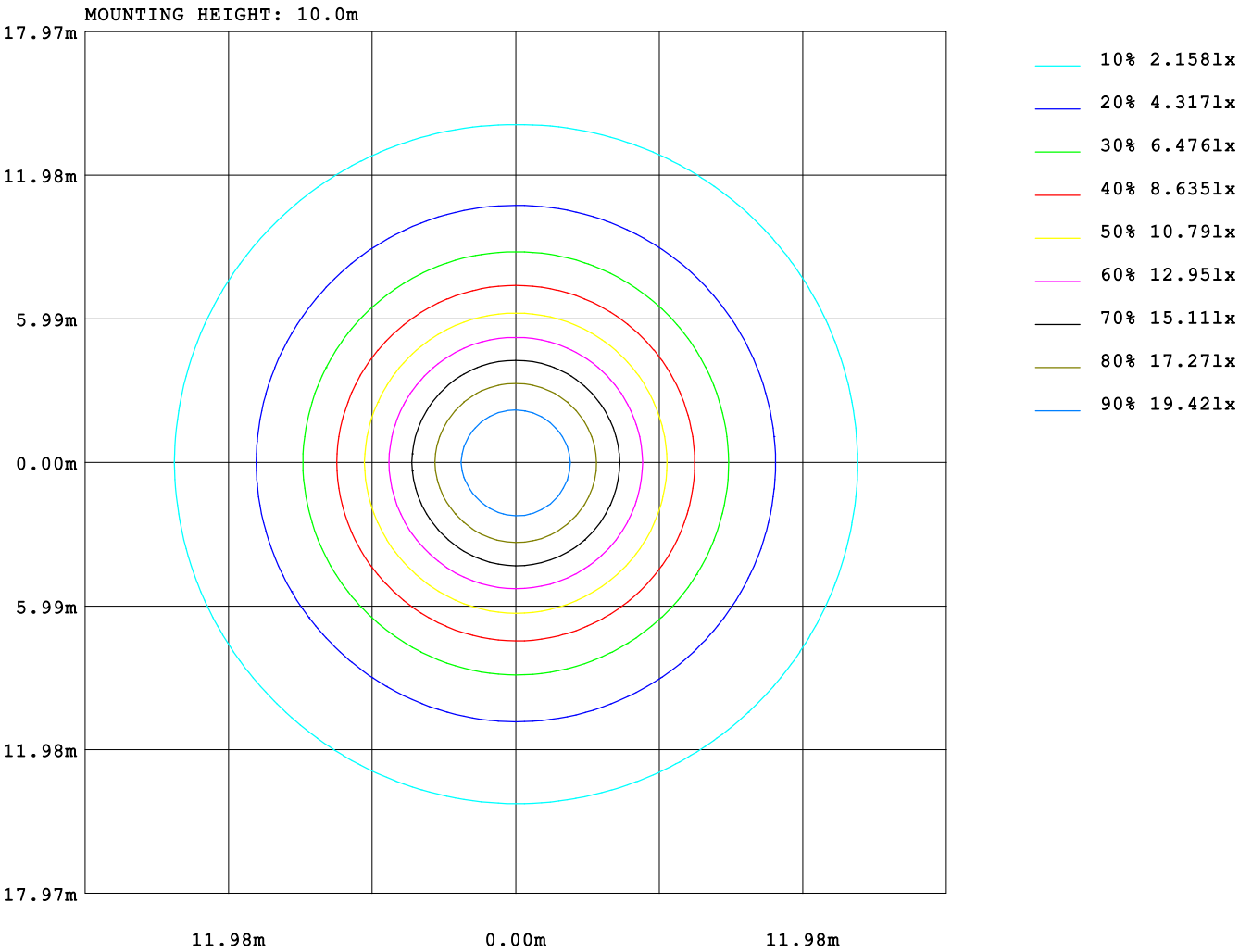
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2024-6-30

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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## Uncorrected UGR Table

Report number:

MANUFACTURER: ILUMEN GMBH	Address:			
NAME: Emilia	TYPE: IL-PL16-N04840-110		WEIGHT:	
SPECIFICATION: Ra80 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	18.8	20.4	19.1	20.6	20.8	18.8	20.3	19.1	20.5	20.8
3H	20.4	21.8	20.7	22.0	22.3	20.4	21.8	20.7	22.0	22.2
4H	21.0	22.4	21.3	22.6	22.9	21.0	22.3	21.3	22.6	22.8
6H	21.5	22.7	21.8	23.0	23.3	21.4	22.7	21.8	23.0	23.2
8H	21.6	22.9	22.0	23.1	23.4	21.6	22.8	21.9	23.1	23.4
12H	21.7	22.9	22.1	23.2	23.5	21.7	22.8	22.0	23.1	23.4
4H 2H	19.5	20.8	19.8	21.1	21.3	19.4	20.8	19.8	21.0	21.3
3H	21.2	22.4	21.5	22.7	23.0	21.2	22.3	21.5	22.6	22.9
4H	21.9	23.0	22.3	23.3	23.7	21.9	23.0	22.3	23.3	23.6
6H	22.5	23.5	22.9	23.8	24.2	22.5	23.4	22.9	23.8	24.1
8H	22.7	23.6	23.2	24.0	24.4	22.7	23.6	23.1	23.9	24.3
12H	22.9	23.7	23.3	24.1	24.5	22.8	23.6	23.2	24.0	24.4
8H 4H	22.2	23.1	22.6	23.5	23.8	22.2	23.1	22.6	23.4	23.8
6H	22.9	23.7	23.4	24.1	24.5	22.9	23.6	23.3	24.0	24.5
8H	23.2	23.9	23.7	24.3	24.8	23.2	23.8	23.6	24.3	24.7
12H	23.5	24.0	23.9	24.5	25.0	23.4	24.0	23.9	24.4	24.9
12H 4H	22.2	23.0	22.6	23.4	23.8	22.2	23.0	22.6	23.4	23.8
6H	23.0	23.7	23.5	24.1	24.5	23.0	23.6	23.4	24.0	24.5
8H	23.3	23.9	23.8	24.4	24.8	23.3	23.9	23.8	24.3	24.8
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 6185 lm Total Lamp Luminous Flux. (8log(F/F0) = 6.3)

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