

# LUMINAIRE PHOTOMETRIC TEST REPORT

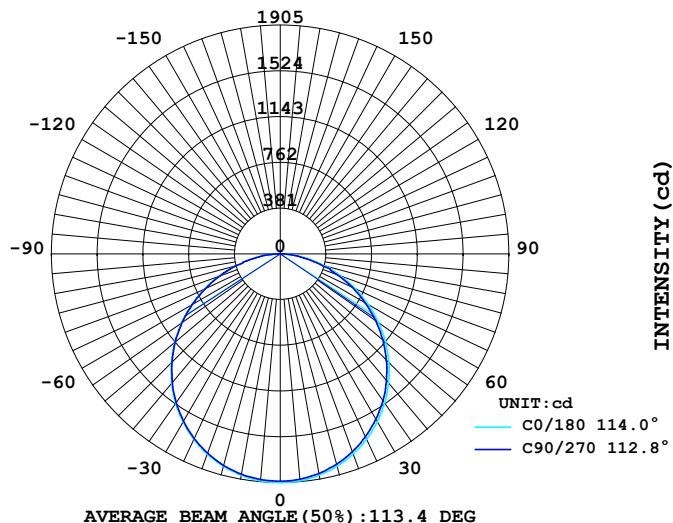
Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Emilia	TYPE: IL-PL16-N03640-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:

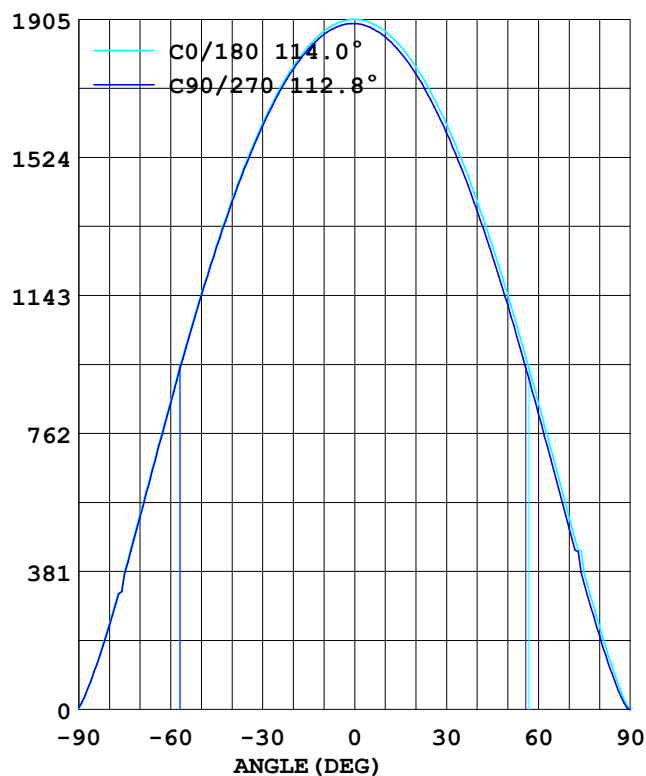
DATA OF LAMP		Imax(cd)	1905	S/MH (C0/180)	1.26
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.26
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	5457.2	Voltage(V)	217.3
RATED VOLTAGE (V)	218	EFFICIENCY (lm/W)	141.7	Current(A)	0.181
NOMINAL FLUX(lm)	5457.3	$\eta$ up (%)	0.0	Power(W)	38.50
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.979
TEST VOLTAGE (V)	217.3	Effective Flux(lm)	0.0	EEI	0.000

## LUMINOUS INTENSITY DISTRIBUTION

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INTENSITY (cd)



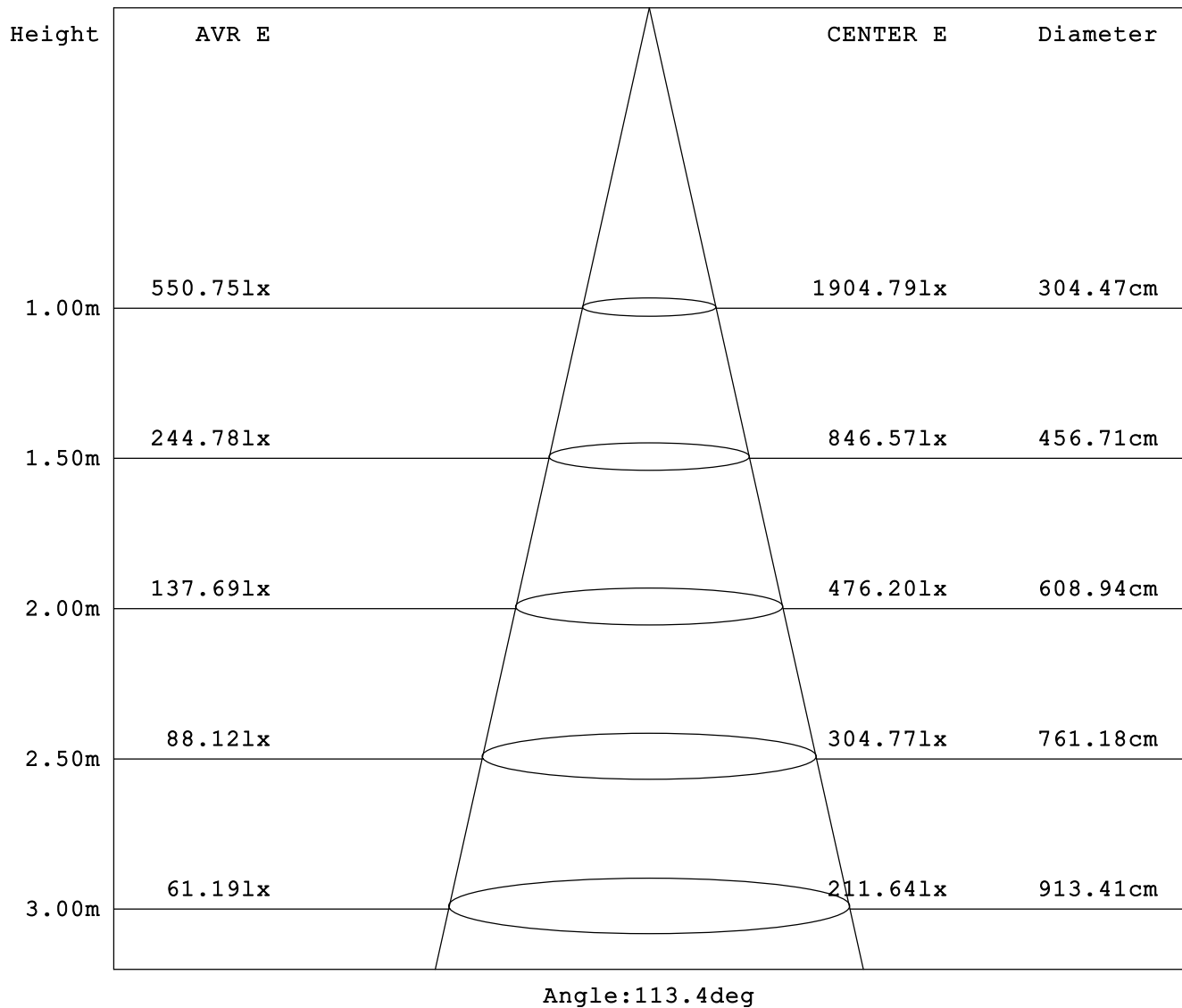
Test System:  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2024-6-30

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

## AVERAGE AND CENTER E Figure

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## ZONAL FLUX DIAGRAM

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SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1896	1891	1886	1882	1896	1888	1883	1882	0- 5	45.24	45.24
10.0	1872	1867	1863	1857	1871	1862	1856	1858	5- 10	134.1	179.4
15.0	1831	1828	1823	1816	1830	1819	1813	1817	10- 15	218.6	398.0
20.0	1775	1772	1767	1759	1774	1761	1755	1761	15- 20	295.6	693.7
25.0	1704	1700	1697	1686	1702	1687	1681	1690	20- 25	362.7	1056
30.0	1618	1616	1611	1601	1615	1600	1592	1604	25- 30	417.6	1474
35.0	1518	1517	1511	1501	1517	1500	1492	1506	30- 35	458.6	1933
40.0	1408	1404	1401	1388	1404	1387	1377	1394	35- 40	484.3	2417
45.0	1283	1282	1276	1266	1278	1262	1250	1270	40- 45	493.6	2911
50.0	1147	1146	1141	1129	1145	1129	1117	1139	45- 50	486.4	3397
55.0	1006	1001	999.5	983.7	1000	983.1	970.4	993.9	50- 55	462.7	3860
60.0	853.3	849.5	846.3	833.2	846.7	830.3	816.9	841.9	55- 60	423.4	4284
65.0	696.0	690.5	688.5	674.8	691.9	676.2	661.6	688.5	60- 65	370.2	4654
70.0	540.3	528.9	532.5	513.9	531.7	516.6	501.4	529.4	65- 70	305.7	4959
75.0	383.7	374.6	376.0	360.9	374.6	360.8	345.2	373.5	70- 75	234.1	5194
80.0	236.4	224.4	230.9	212.5	228.4	217.3	202.6	229.6	75- 80	156.7	5350
85.0	104.8	91.61	103.7	81.45	94.47	85.37	76.06	96.06	80- 85	84.49	5435
90.0	3.364	1.883	5.269	0	1.037	2.518	0	4.211	85- 90	22.45	5457
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:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2024-6-30

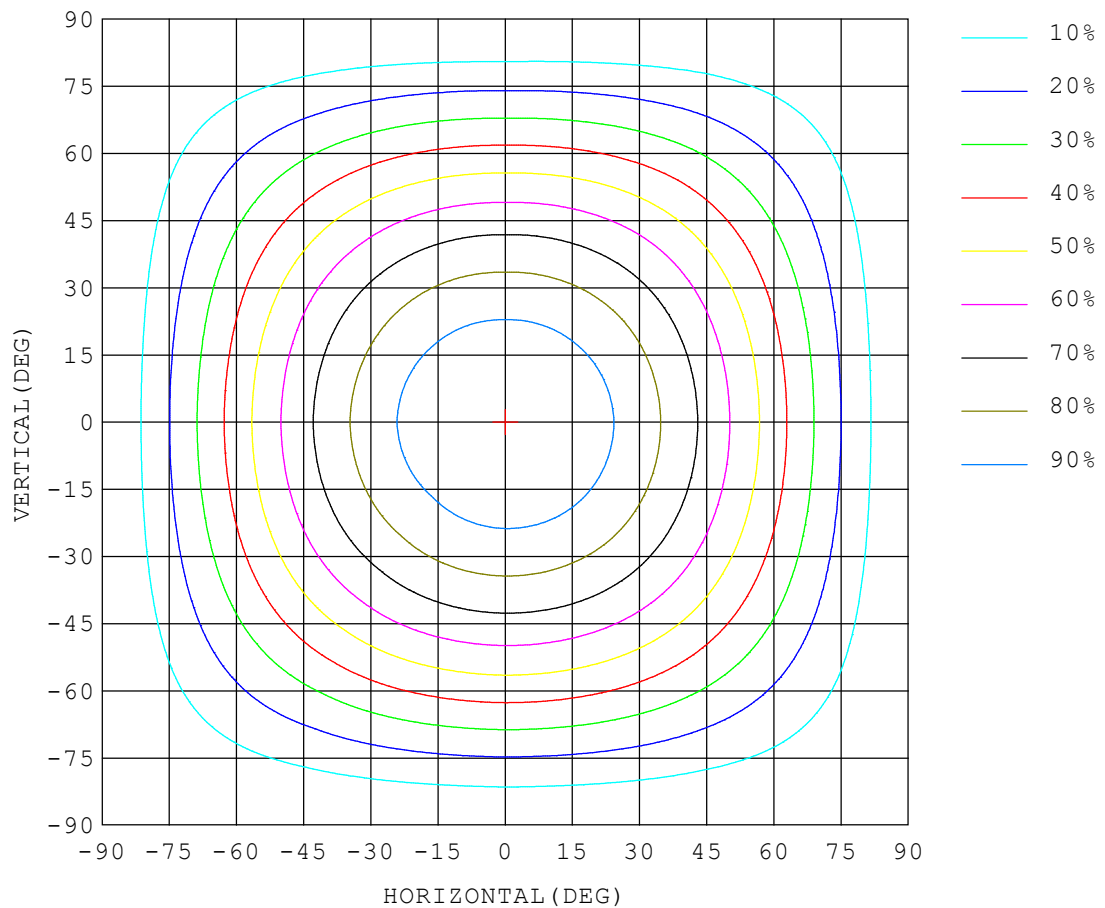
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Remarks:

## ISOCANDELA DIAGRAM

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SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:

UNIT: cd



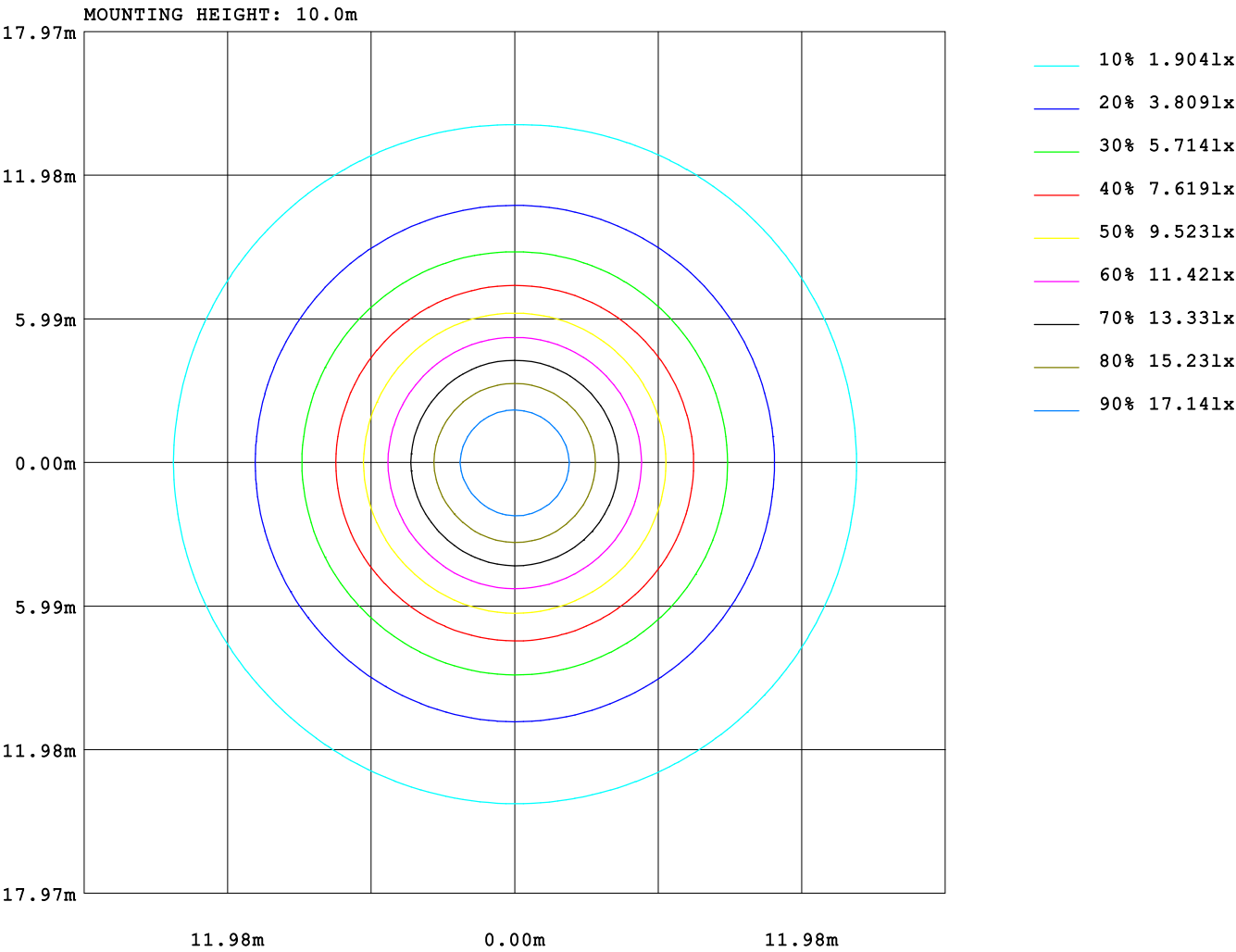
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2024-6-30

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Remarks:

ISOLUX DIAGRAM

Report number:

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## Uncorrected UGR Table

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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	18.4	19.9	18.7	20.1	20.3	18.4	19.9	18.7	20.1	20.3
3H	20.0	21.4	20.3	21.6	21.9	19.9	21.3	20.2	21.6	21.8
4H	20.6	21.9	20.9	22.2	22.4	20.5	21.9	20.8	22.1	22.4
6H	21.0	22.3	21.4	22.6	22.9	21.0	22.2	21.3	22.5	22.8
8H	21.2	22.4	21.5	22.7	23.0	21.1	22.4	21.5	22.6	22.9
12H	21.3	22.5	21.6	22.8	23.1	21.2	22.4	21.6	22.7	23.0
4H 2H	19.0	20.4	19.3	20.6	20.9	19.0	20.3	19.3	20.6	20.9
3H	20.8	21.9	21.1	22.2	22.5	20.7	21.9	21.1	22.2	22.5
4H	21.5	22.6	21.9	22.9	23.2	21.5	22.5	21.8	22.8	23.2
6H	22.1	23.1	22.5	23.4	23.8	22.0	23.0	22.4	23.3	23.7
8H	22.3	23.2	22.7	23.6	24.0	22.2	23.1	22.7	23.5	23.9
12H	22.4	23.3	22.9	23.7	24.1	22.4	23.2	22.8	23.6	24.0
8H 4H	21.8	22.7	22.2	23.0	23.4	21.7	22.6	22.1	23.0	23.4
6H	22.5	23.3	23.0	23.7	24.1	22.5	23.2	22.9	23.6	24.0
8H	22.8	23.5	23.3	23.9	24.3	22.8	23.4	23.2	23.8	24.3
12H	23.0	23.6	23.5	24.0	24.5	23.0	23.5	23.4	24.0	24.5
12H 4H	21.8	22.6	22.2	23.0	23.4	21.7	22.6	22.2	22.9	23.3
6H	22.6	23.2	23.0	23.7	24.1	22.5	23.2	23.0	23.6	24.1
8H	22.9	23.5	23.4	23.9	24.4	22.9	23.4	23.3	23.9	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 5457 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.9)

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