

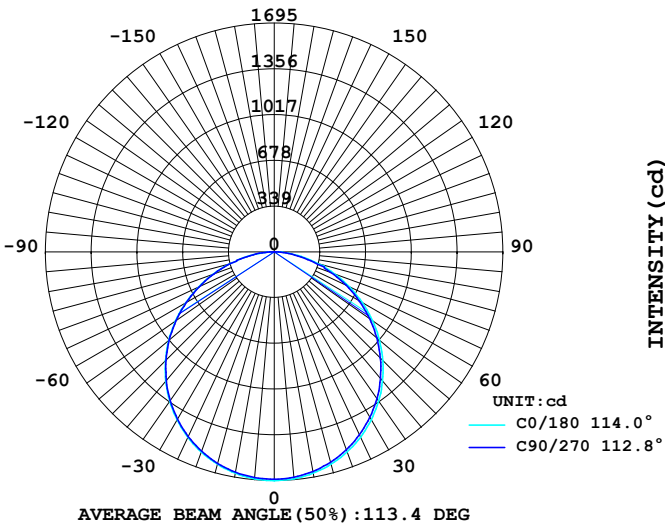
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

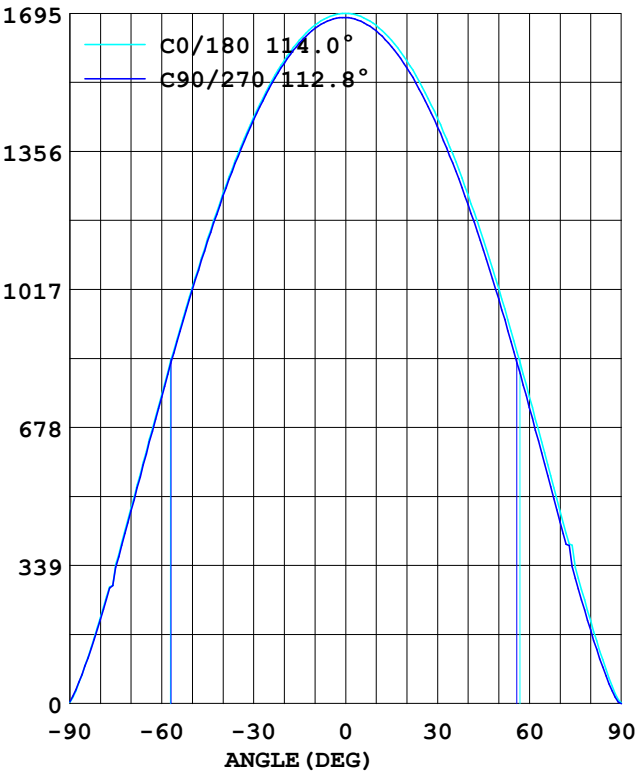
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Emilia	TYPE: IL-PL16-N03640-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:

DATA OF LAMP		Imax(cd)	1695	S/MH (C0/180)	1.26
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.26
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	4857.2	Voltage(V)	217.3
RATED VOLTAGE (V)	218	EFFICIENCY (lm/W)	142.4	Current(A)	0.181
NOMINAL FLUX(lm)	4857.3	η up (%)	0.0	Power(W)	34.09
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.979
TEST VOLTAGE (V)	217.3	Effective Flux(lm)	4857.3	EEl	0.096

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



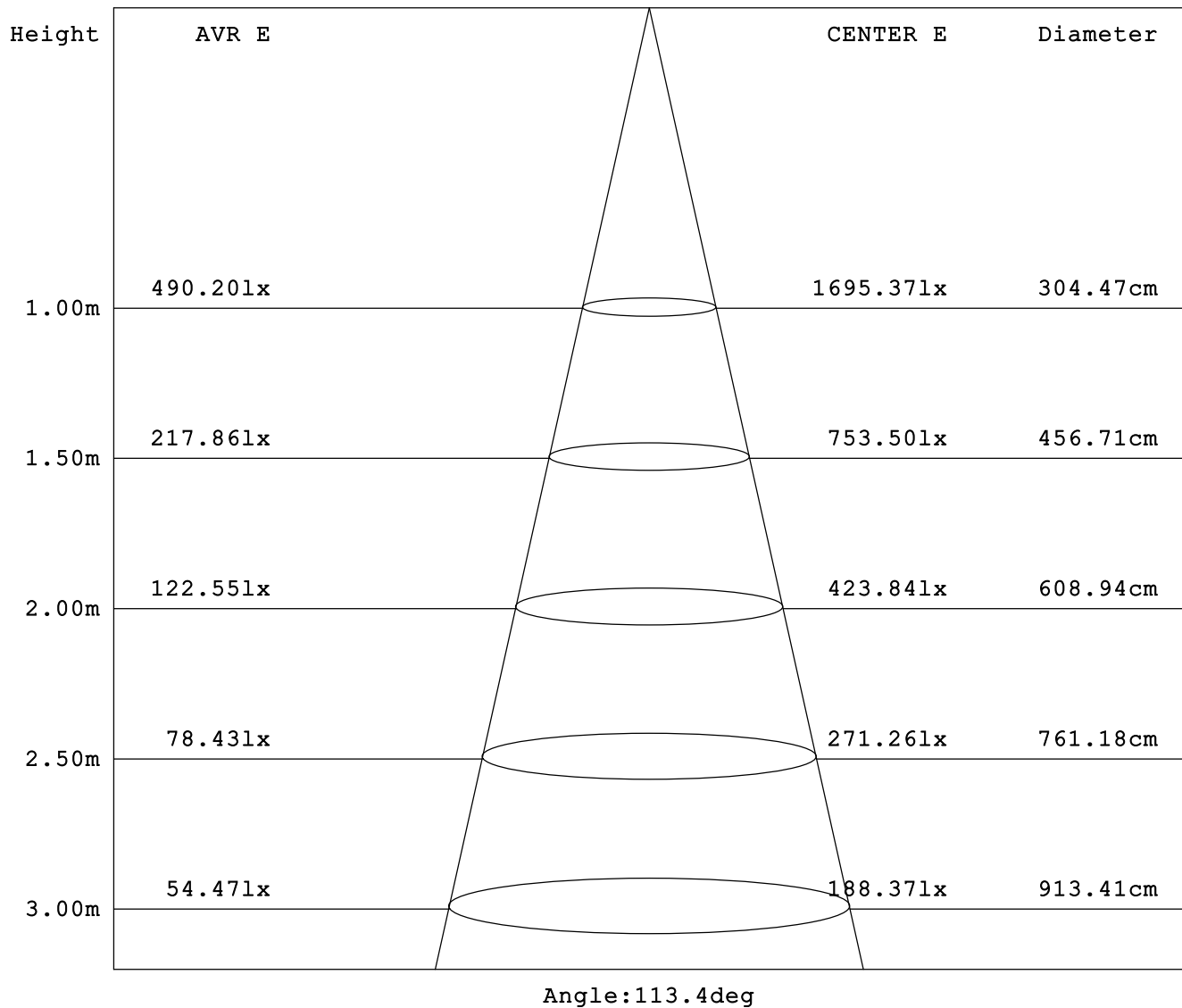
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024-6-30

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

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	1688	1683	1679	1675	1688	1680	1676	1675	0- 5	40.26	40.26
10.0	1666	1662	1658	1653	1666	1657	1652	1654	5- 10	119.4	159.7
15.0	1630	1627	1623	1617	1629	1619	1613	1617	10- 15	194.5	354.2
20.0	1580	1577	1572	1566	1579	1568	1562	1567	15- 20	263.1	617.4
25.0	1517	1513	1510	1501	1515	1502	1496	1504	20- 25	322.8	940.3
30.0	1440	1439	1434	1425	1438	1424	1417	1427	25- 30	371.7	1312
35.0	1351	1350	1345	1336	1350	1335	1328	1340	30- 35	408.2	1720
40.0	1253	1250	1247	1235	1250	1234	1226	1241	35- 40	431.1	2151
45.0	1142	1141	1136	1127	1138	1123	1113	1130	40- 45	439.3	2591
50.0	1021	1020	1016	1005	1020	1005	993.8	1013	45- 50	432.9	3024
55.0	895.1	890.5	889.6	875.6	890.1	875.0	863.7	884.6	50- 55	411.8	3436
60.0	759.5	756.1	753.2	741.6	753.6	739.0	727.1	749.3	55- 60	376.8	3813
65.0	619.5	614.6	612.8	600.6	615.8	601.9	588.9	612.8	60- 65	329.5	4142
70.0	480.9	470.8	474.0	457.4	473.2	459.8	446.3	471.2	65- 70	272.1	4414
75.0	341.5	333.4	334.7	321.2	333.4	321.1	307.3	332.4	70- 75	208.4	4623
80.0	210.4	199.7	205.5	189.1	203.3	193.4	180.3	204.3	75- 80	139.4	4762
85.0	93.31	81.54	92.37	72.50	84.08	75.98	67.69	85.49	80- 85	75.20	4837
90.0	2.995	1.676	4.690	0	0.923	2.241	0	3.748	85- 90	19.98	4857
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
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Test Date:2024-6-30

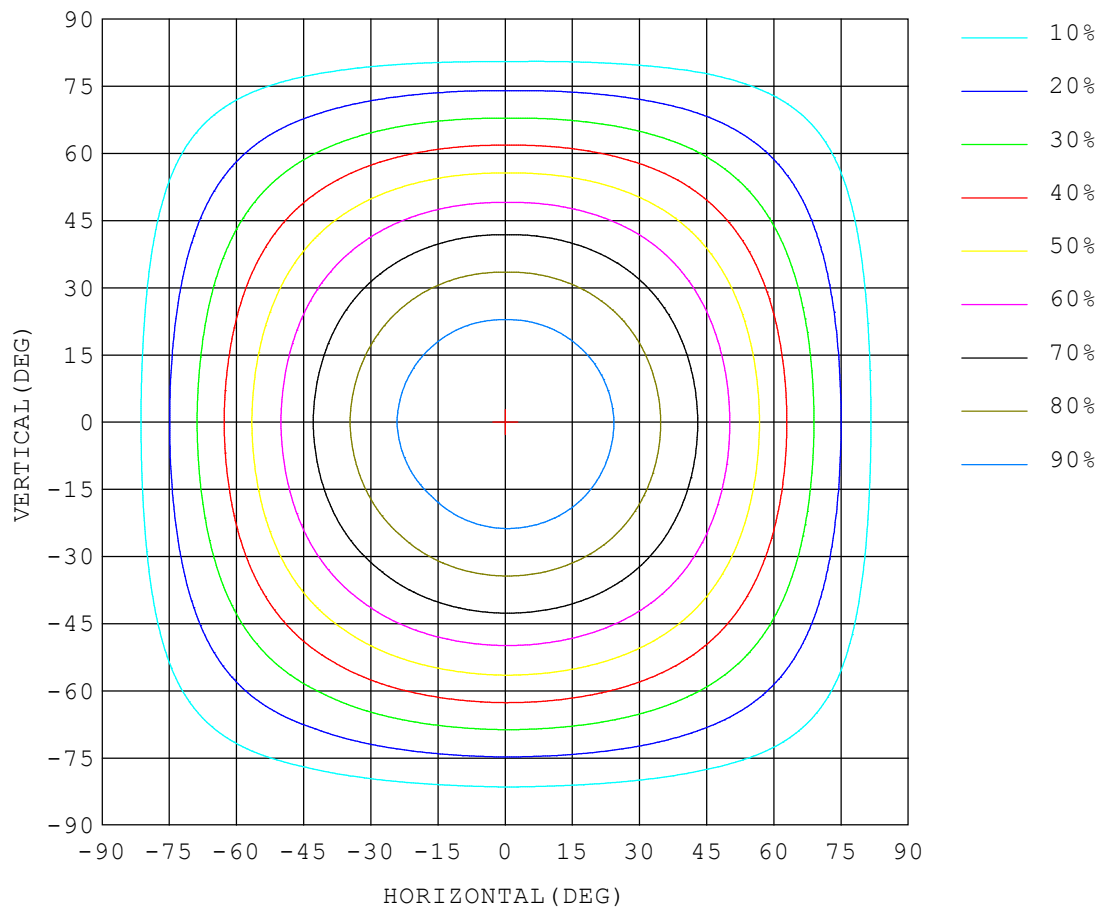
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ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



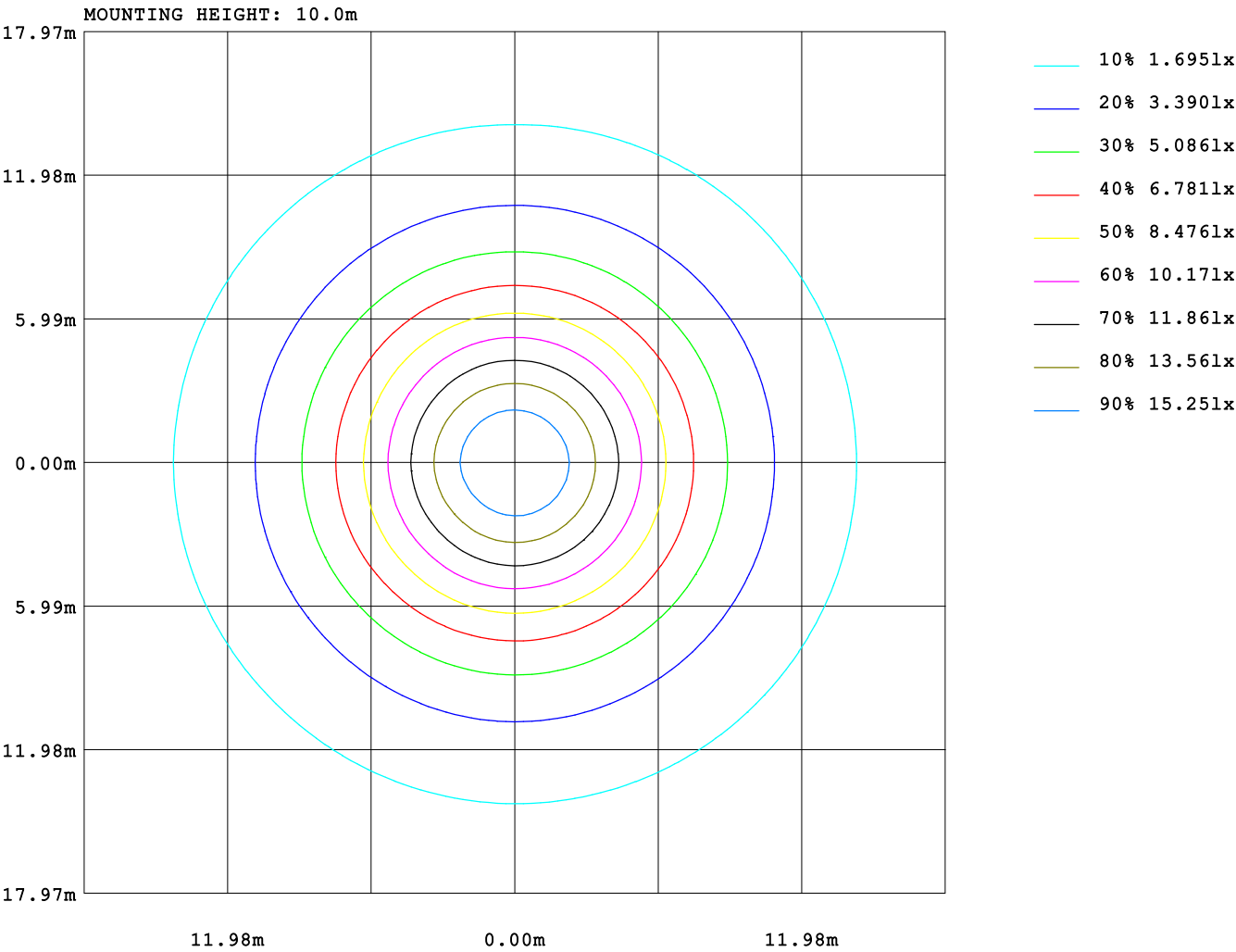
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024-6-30

Test Set: 5.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
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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: 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	18.0	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	22.3	21.8	22.6	23.0	21.3	22.2	21.7	22.6	23.0
6H	22.1	22.9	22.6	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	23.7
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 4857 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.5)

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