

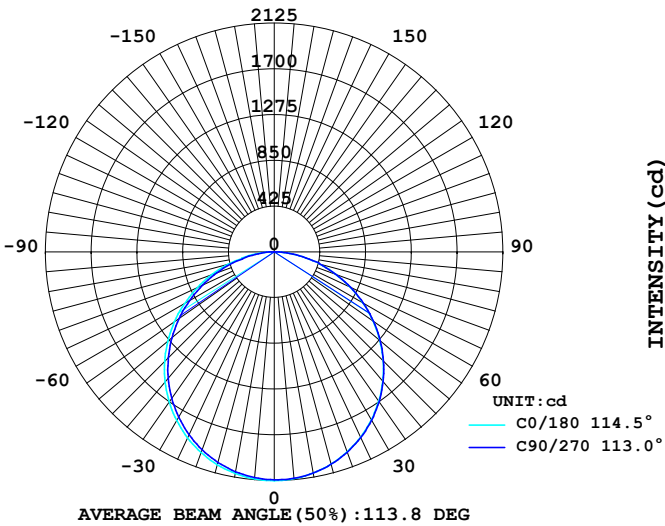
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

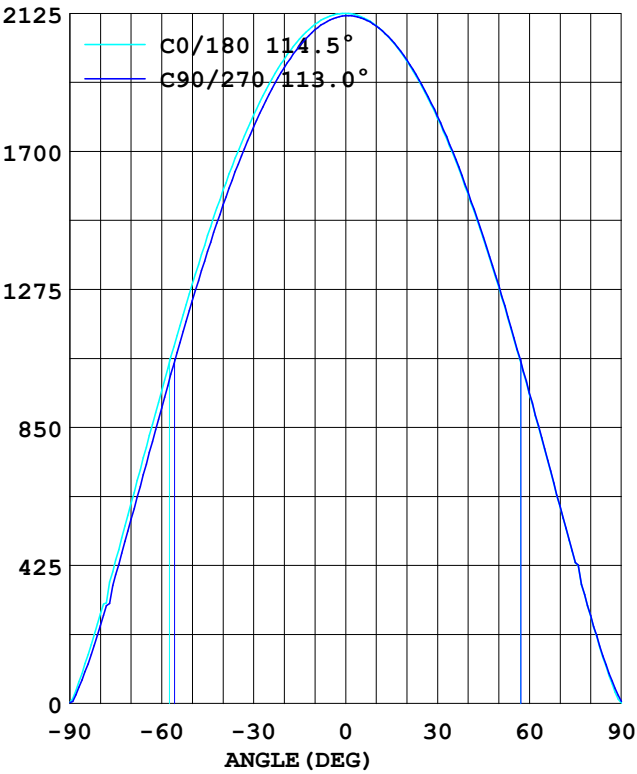
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Emilia	TYPE: IL-PL16-N04840-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 1195X295	SERIAL No.:

DATA OF LAMP		Imax(cd)	2125	S/MH (C0/180)	1.27
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.25
NOMINAL POWER(W)	48	TOTAL FLUX(lm)	6141.3	Voltage(V)	217.1
RATED VOLTAGE (V)	218	EFFICIENCY (lm/W)	136.5	Current(A)	0.215
NOMINAL FLUX(lm)	6141.3	η up (%)	0.0	Power(W)	44.98
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.961
TEST VOLTAGE (V)	217.1	Effective Flux(lm)	6141.3	EEI	0.100

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



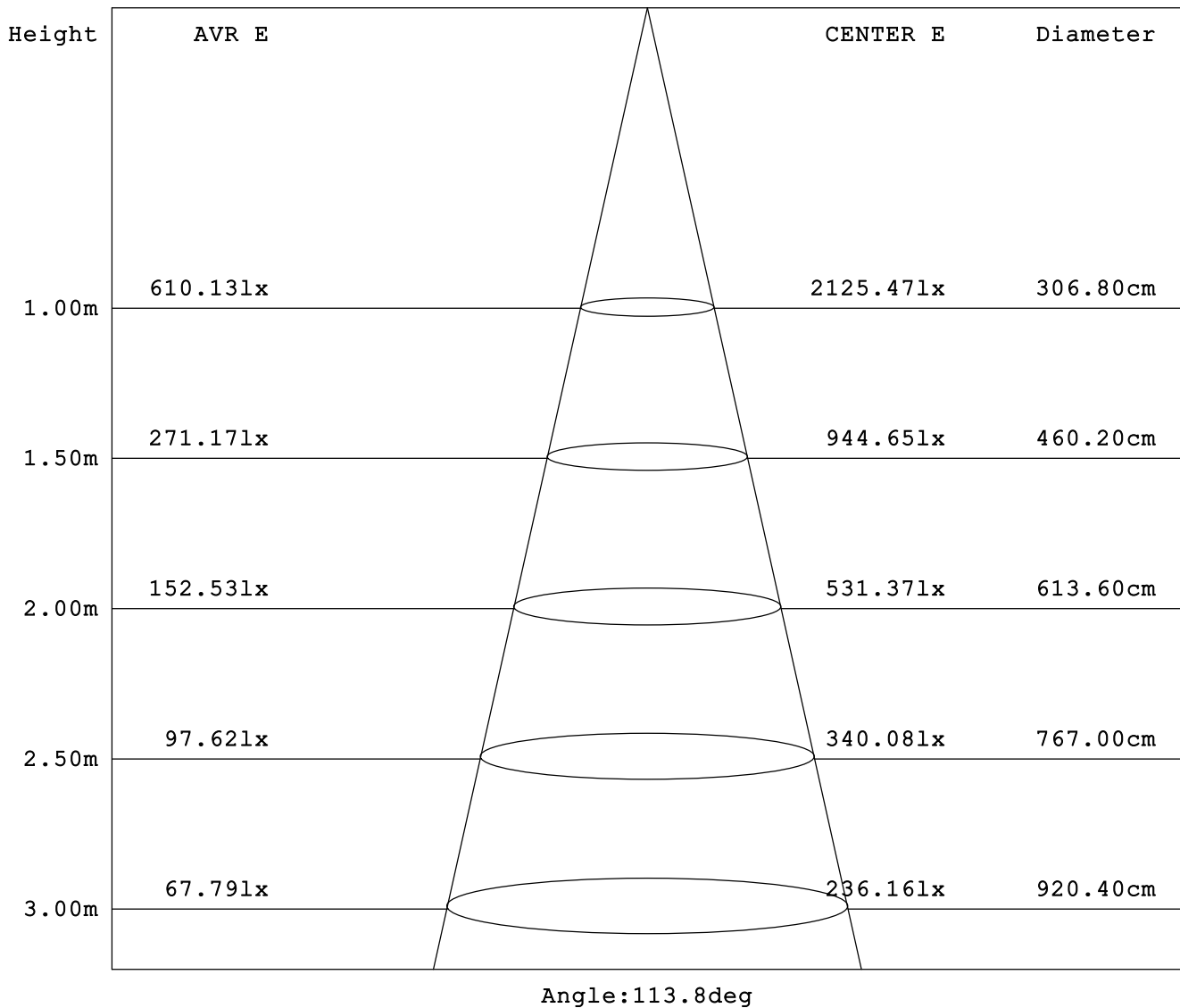
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024-6-30

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

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: ilumen	TYPE:IL-PL16-N04840-110	WEIGHT:
SPECIFICATION:Ra80 4000K	DIMENSION: 1195X295	SERIAL No.:



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

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Humidity:65.0%
Test Distance:10.000 m
Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: ilumin	TYPE: IL-PL16-N04840-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 1195X295	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	2117	2111	2105	2102	2116	2114	2111	2111	0- 5	50.58	50.58
10.0	2091	2081	2075	2070	2087	2087	2087	2088	5- 10	150.0	200.6
15.0	2047	2035	2025	2021	2041	2043	2043	2047	10- 15	244.4	445.0
20.0	1984	1969	1958	1954	1979	1982	1983	1989	15- 20	330.6	775.7
25.0	1907	1888	1876	1870	1900	1903	1904	1912	20- 25	405.8	1182
30.0	1812	1792	1776	1773	1803	1807	1809	1819	25- 30	467.4	1649
35.0	1701	1678	1660	1658	1695	1699	1700	1713	30- 35	513.4	2162
40.0	1580	1550	1534	1529	1569	1574	1575	1590	35- 40	542.3	2705
45.0	1441	1413	1393	1392	1430	1436	1436	1454	40- 45	553.1	3258
50.0	1291	1260	1240	1239	1282	1290	1288	1308	45- 50	545.2	3803
55.0	1133	1097	1081	1076	1122	1129	1127	1149	50- 55	519.2	4322
60.0	963.6	929.7	910.7	909.4	953.1	964.3	957.0	984.5	55- 60	476.1	4798
65.0	789.1	753.7	737.2	734.6	782.7	790.6	785.7	810.2	60- 65	417.6	5216
70.0	616.7	576.0	567.1	558.4	606.3	614.2	608.4	633.3	65- 70	346.8	5563
75.0	441.7	426.5	397.2	390.7	432.8	444.2	434.2	462.0	70- 75	267.3	5830
80.0	275.7	239.3	238.8	225.9	268.8	277.8	271.0	294.4	75- 80	182.9	6013
85.0	122.4	90.69	97.74	79.97	114.4	123.3	119.5	137.4	80- 85	100.0	6113
90.0	3.044	0	2.533	0	1.409	6.620	6.620	14.58	85- 90	27.93	6141
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

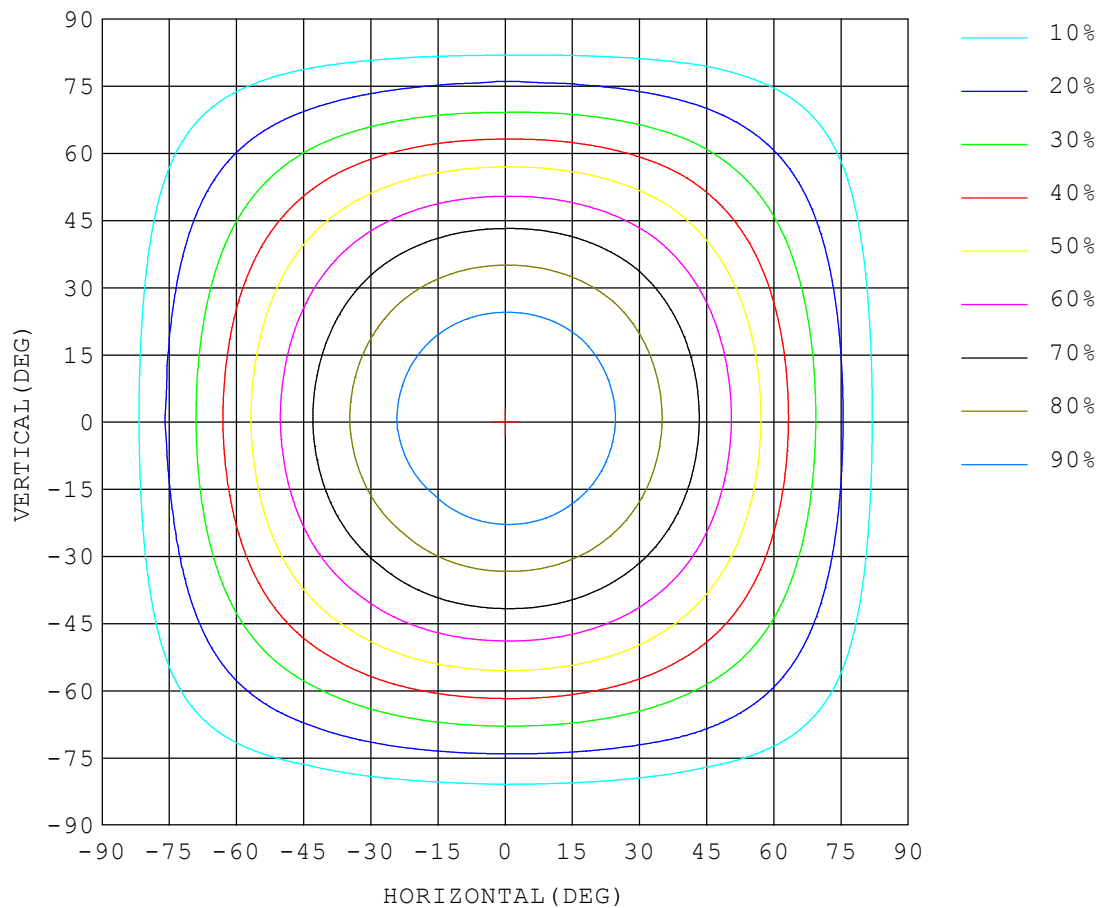
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: ilumen	TYPE: IL-PL16-N04840-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 1195X295	SERIAL No.:

UNIT: cd



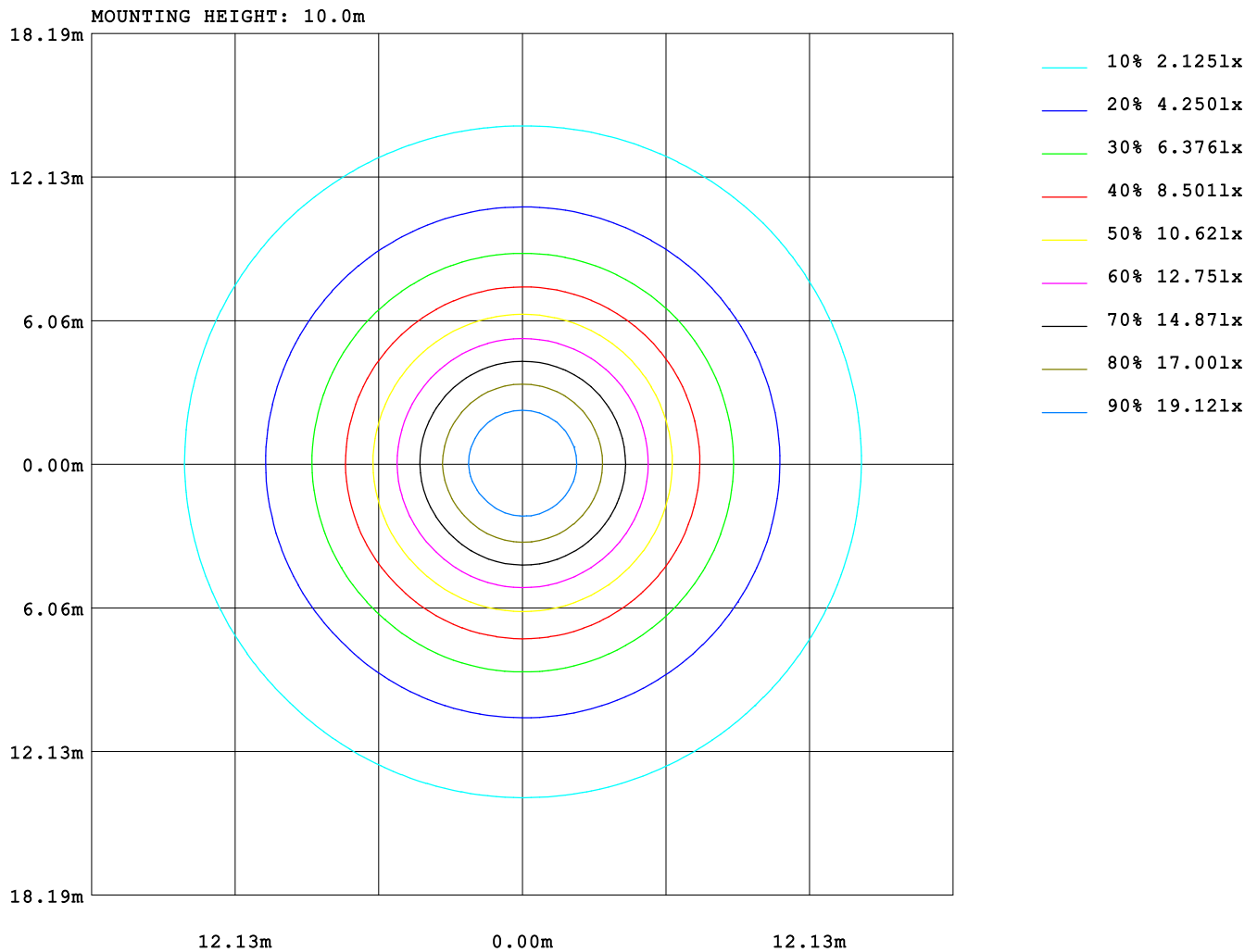
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024-6-30

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

ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: ilumin	TYPE: IL-PL16-N04840-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 1195X295	SERIAL No.:



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

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

Uncorrected UGR Table

Report number:

MANUFACTURER: ILUMEN GMBH	Address:			
NAME: ilumen	TYPE:IL-PL16-N04840-110		WEIGHT:	
SPECIFICATION:Ra80 4000K	DIMENSION: 1195X295		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	20.3	19.0	20.5	20.7	18.6	20.1	18.8	20.3	20.5
3H	20.3	21.8	20.6	22.0	22.2	20.1	21.5	20.4	21.7	21.9
4H	21.0	22.3	21.3	22.6	22.9	20.7	22.0	21.0	22.3	22.5
6H	21.5	22.7	21.8	23.0	23.3	21.1	22.3	21.4	22.6	22.9
8H	21.6	22.9	22.0	23.1	23.4	21.2	22.4	21.5	22.7	23.0
12H	21.7	22.9	22.1	23.2	23.5	21.3	22.4	21.6	22.7	23.0
4H 2H	19.3	20.7	19.7	20.9	21.2	19.2	20.5	19.5	20.8	21.0
3H	21.1	22.3	21.5	22.6	22.9	20.9	22.0	21.2	22.3	22.6
4H	21.9	23.0	22.3	23.3	23.6	21.6	22.7	22.0	23.0	23.3
6H	22.5	23.4	22.9	23.8	24.2	22.1	23.1	22.5	23.4	23.8
8H	22.7	23.6	23.1	24.0	24.4	22.3	23.2	22.7	23.6	24.0
12H	22.9	23.7	23.3	24.1	24.5	22.4	23.2	22.8	23.6	24.0
8H 4H	22.1	23.0	22.5	23.4	23.8	21.9	22.8	22.3	23.1	23.5
6H	22.9	23.6	23.3	24.0	24.5	22.6	23.3	23.0	23.7	24.1
8H	23.2	23.8	23.6	24.3	24.7	22.8	23.5	23.3	23.9	24.3
12H	23.4	24.0	23.9	24.4	24.9	23.0	23.6	23.5	24.0	24.5
12H 4H	22.1	23.0	22.6	23.4	23.8	21.9	22.7	22.3	23.1	23.5
6H	22.9	23.6	23.4	24.0	24.5	22.6	23.3	23.1	23.7	24.1
8H	23.3	23.8	23.7	24.3	24.8	22.9	23.5	23.4	23.9	24.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 6141 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.3)

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