

# LUMINAIRE PHOTOMETRIC TEST REPORT

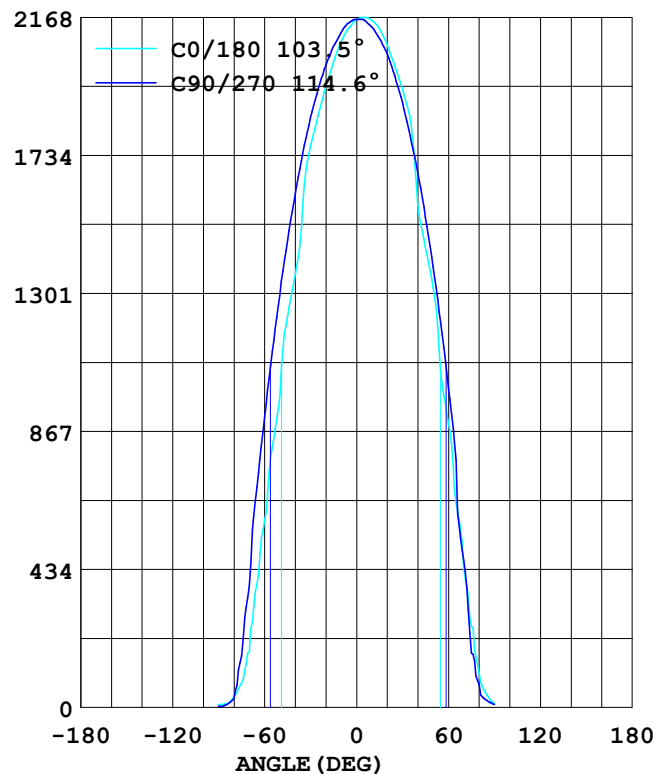
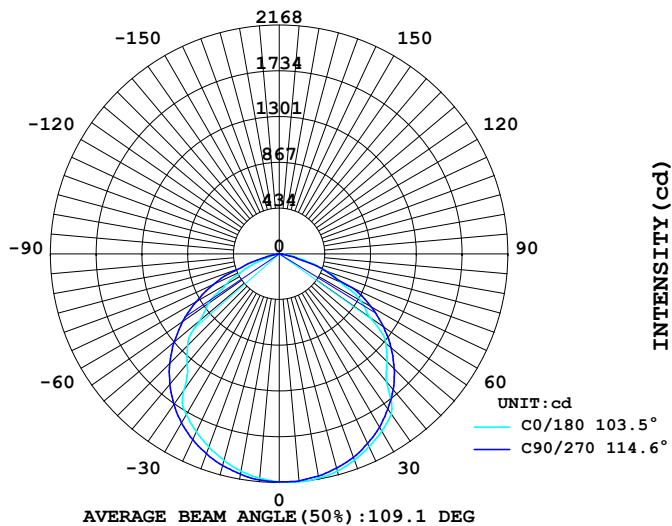
Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes C	TYPE: IL-PO29C-N0402C-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110DEG	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	2168	S/MH (C0/180)	1.22
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.27
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	5648.1	Voltage(V)	231.1
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	144.9	Current(A)	0.164
NOMINAL FLUX(lm)	5648.2	$\eta$ up (%)	0.0	Power(W)	38.98
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.920
TEST VOLTAGE (V)	231.1	Effective Flux(lm)	5648.2	EEI	0.103

LUMINOUS INTENSITY DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION



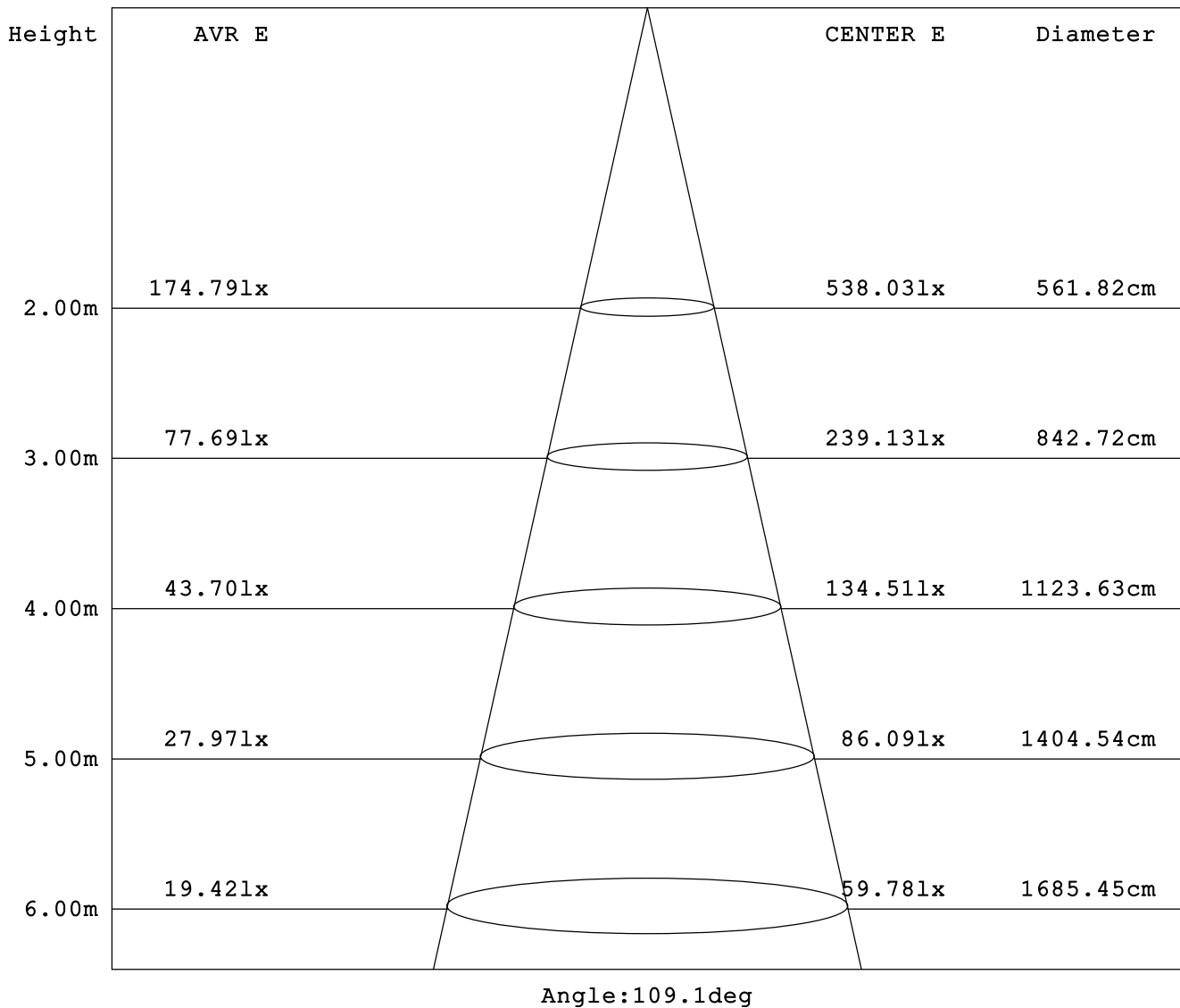
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025.07.01

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:

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## ZONAL FLUX DIAGRAM

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NAME: Agnes C	TYPE: IL-PO29C-N0402C-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110DEG	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	2134	2145	2151	2152	2168	2163	2159	2156	0- 5	51.58	51.58
10.0	2091	2109	2120	2125	2158	2147	2137	2130	5- 10	153.1	204.7
15.0	2027	2056	2076	2080	2131	2114	2100	2089	10- 15	249.8	454.6
20.0	1949	1985	2016	2018	2082	2065	2053	2033	15- 20	338.6	793.3
25.0	1860	1898	1942	1939	2015	1997	1983	1957	20- 25	416.8	1210
30.0	1763	1799	1852	1845	1941	1913	1898	1864	25- 30	481.6	1692
35.0	1577	1685	1741	1707	1851	1818	1795	1759	30- 35	531.0	2223
40.0	1359	1537	1614	1529	1584	1692	1681	1639	35- 40	554.6	2778
45.0	1230	1338	1468	1394	1445	1488	1540	1452	40- 45	556.0	3334
50.0	982.1	1184	1299	1204	1321	1341	1385	1283	45- 50	540.3	3874
55.0	816.5	986.6	1118	958.2	1051	1177	1208	1121	50- 55	501.6	4376
60.0	588.4	759.5	912.9	784.0	894.0	900.7	1006	848.4	55- 60	437.2	4813
65.0	387.6	536.1	691.5	548.4	642.7	719.7	778.9	669.3	60- 65	353.1	5166
70.0	173.1	327.2	380.1	352.0	434.0	448.9	461.8	404.9	65- 70	252.5	5419
75.0	78.26	123.1	161.0	144.3	254.2	251.4	170.8	211.4	70- 75	143.8	5562
80.0	33.22	35.78	27.44	46.02	107.9	89.08	73.12	69.57	75- 80	60.00	5622
85.0	11.18	11.20	8.372	14.39	39.71	27.23	22.25	22.96	80- 85	19.05	5641
90.0	8.625	6.795	4.239	6.824	13.63	8.600	9.856	7.089	85- 90	6.780	5648
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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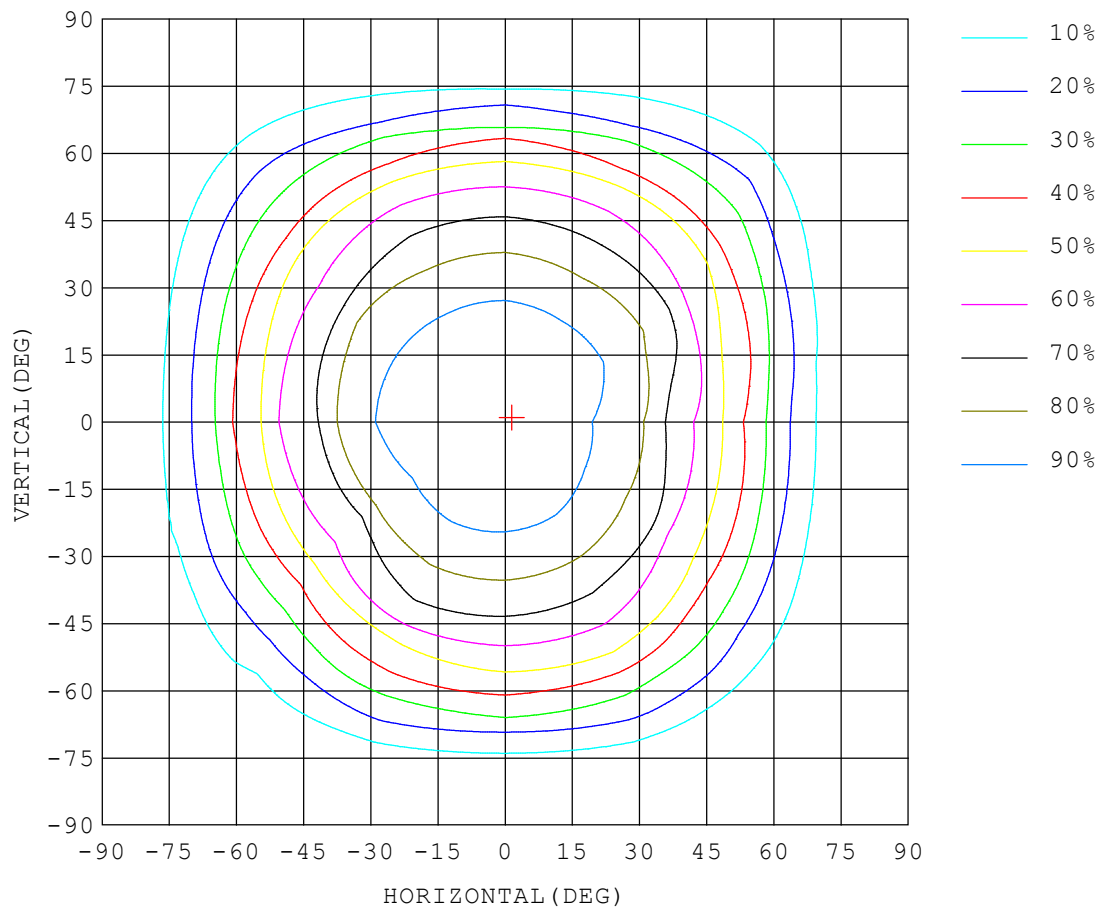
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## ISOCANDELA DIAGRAM

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UNIT: cd



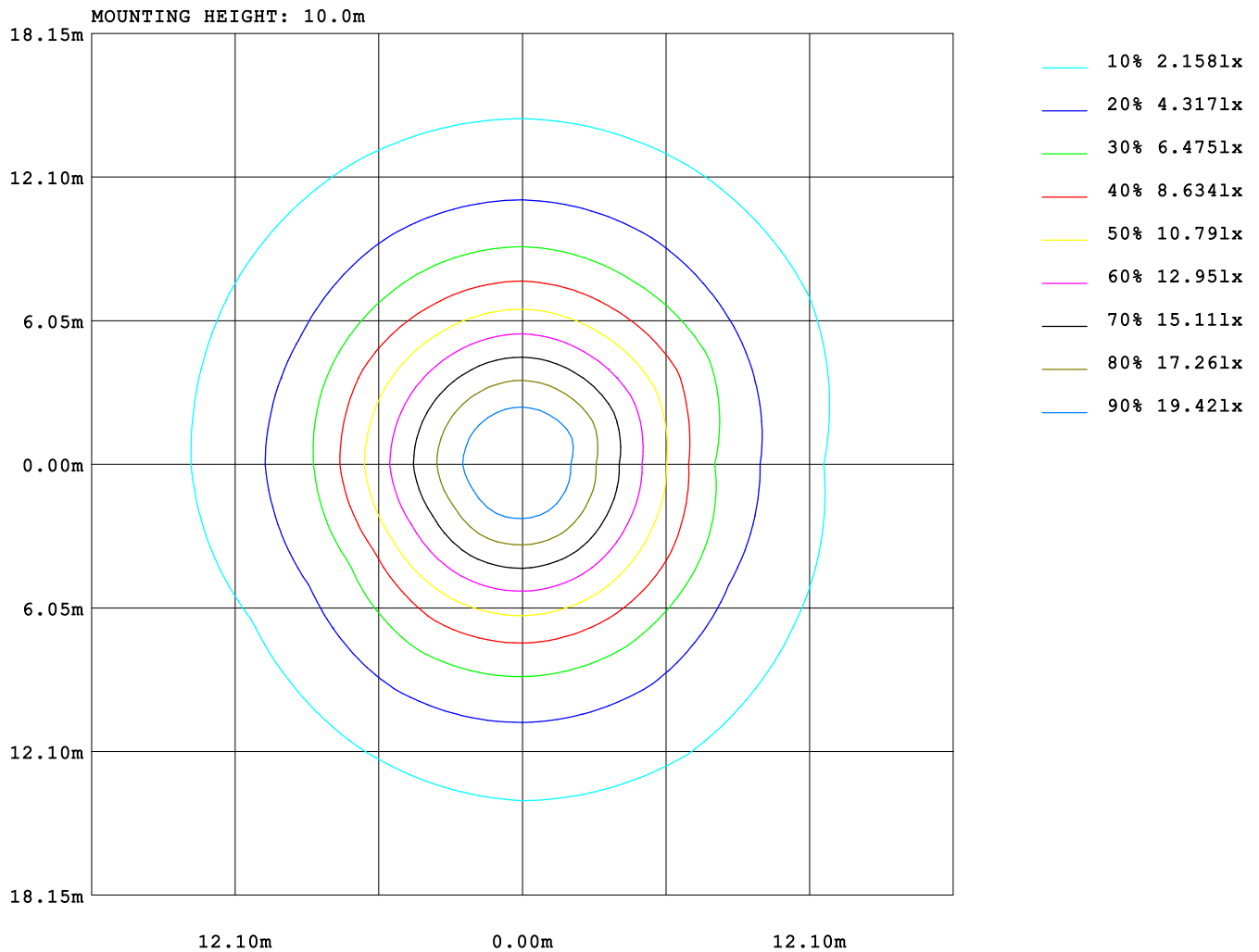
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Temperature: 25.3 DEG  
Operators:  
Test Date: 2025.07.01

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## ISOLUX DIAGRAM

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## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER: ILUMEN GMBH</b>	<b>Address:</b>	
<b>NAME: Agnes C</b>	<b>TYPE: IL-PO29C-N0402C-110</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: 2835LED、4000K、110DEG</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160
5.0	2134	2142	2148	2151	2154	2150	2168	2166	2161	2159	2155	2157
10.0	2091	2101	2117	2120	2128	2122	2158	2155	2140	2137	2129	2132
15.0	2027	2043	2069	2076	2085	2075	2131	2123	2106	2100	2089	2090
20.0	1949	1964	2005	2016	2028	2008	2082	2074	2056	2053	2034	2032
25.0	1860	1873	1923	1942	1950	1928	2015	2007	1987	1983	1959	1955
30.0	1763	1771	1826	1852	1856	1835	1941	1926	1900	1898	1865	1862
35.0	1577	1658	1712	1741	1745	1669	1851	1836	1800	1795	1757	1762
40.0	1359	1494	1579	1614	1621	1438	1584	1710	1675	1681	1632	1645
45.0	1230	1240	1436	1468	1482	1305	1445	1436	1539	1540	1491	1412
50.0	982	1094	1273	1299	1259	1149	1321	1299	1382	1385	1337	1229
55.0	817	880	1093	1118	1028	888	1051	1147	1207	1208	1164	1078
60.0	588	674	845	913	851	717	894	878	924	1006	880	817
65.0	388	446	626	692	608	489	643	716	724	779	686	653
70.0	173	271	383	380	411	293	434	479	419	462	373	437
75.0	78.2	98.8	147	161	167	121	254	280	223	171	204	219
80.0	33.2	29.0	42.5	27.4	53.7	38.2	108	110	67.7	73.1	58.6	80.4
85.0	11.1	5.84	16.5	8.37	19.3	9.41	39.7	38.5	15.9	22.2	14.5	31.4
90.0	8.62	4.14	9.43	4.23	9.52	4.12	13.6	12.4	4.77	9.85	4.12	10.0

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