

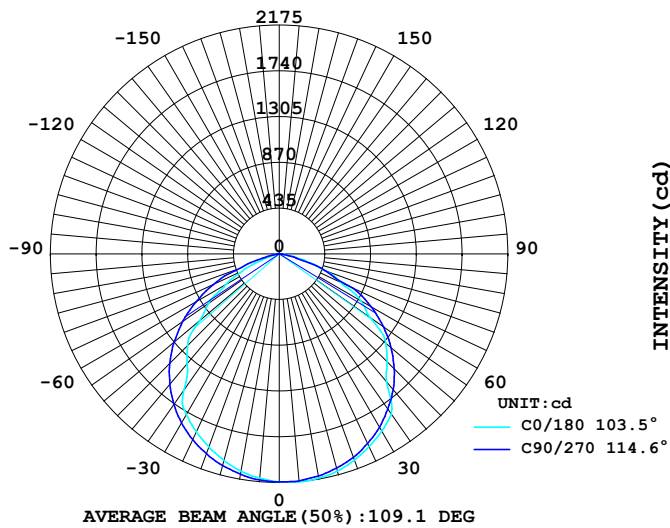
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

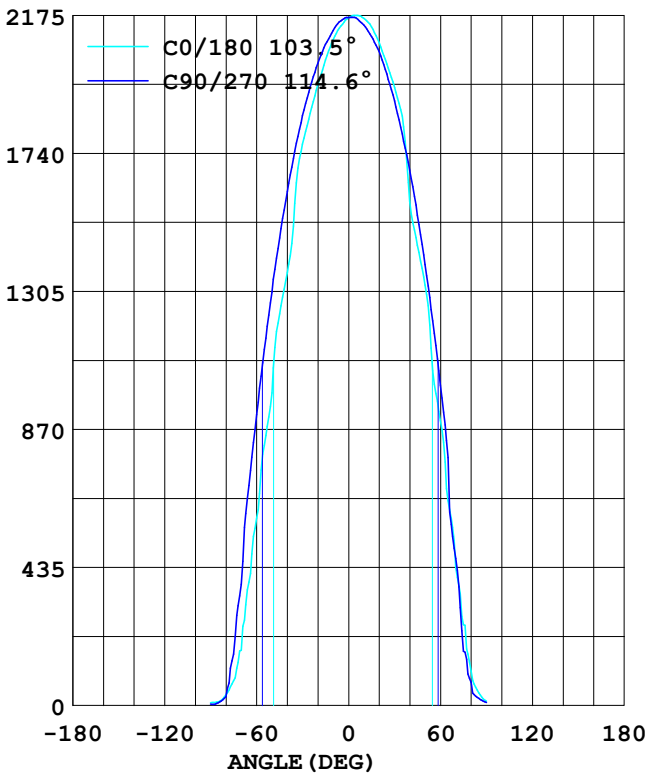
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes D	TYPE: IL-PO29D-N0402C-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110DEG	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	2175	S/MH (C0/180)	1.22
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.27
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	5667.6	Voltage(V)	231.1
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	145.4	Current(A)	0.164
NOMINAL FLUX(lm)	5667.7	η up (%)	0.0	Power(W)	38.98
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.920
TEST VOLTAGE (V)	231.1	Effective Flux(lm)	5667.7	EEI	0.103

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



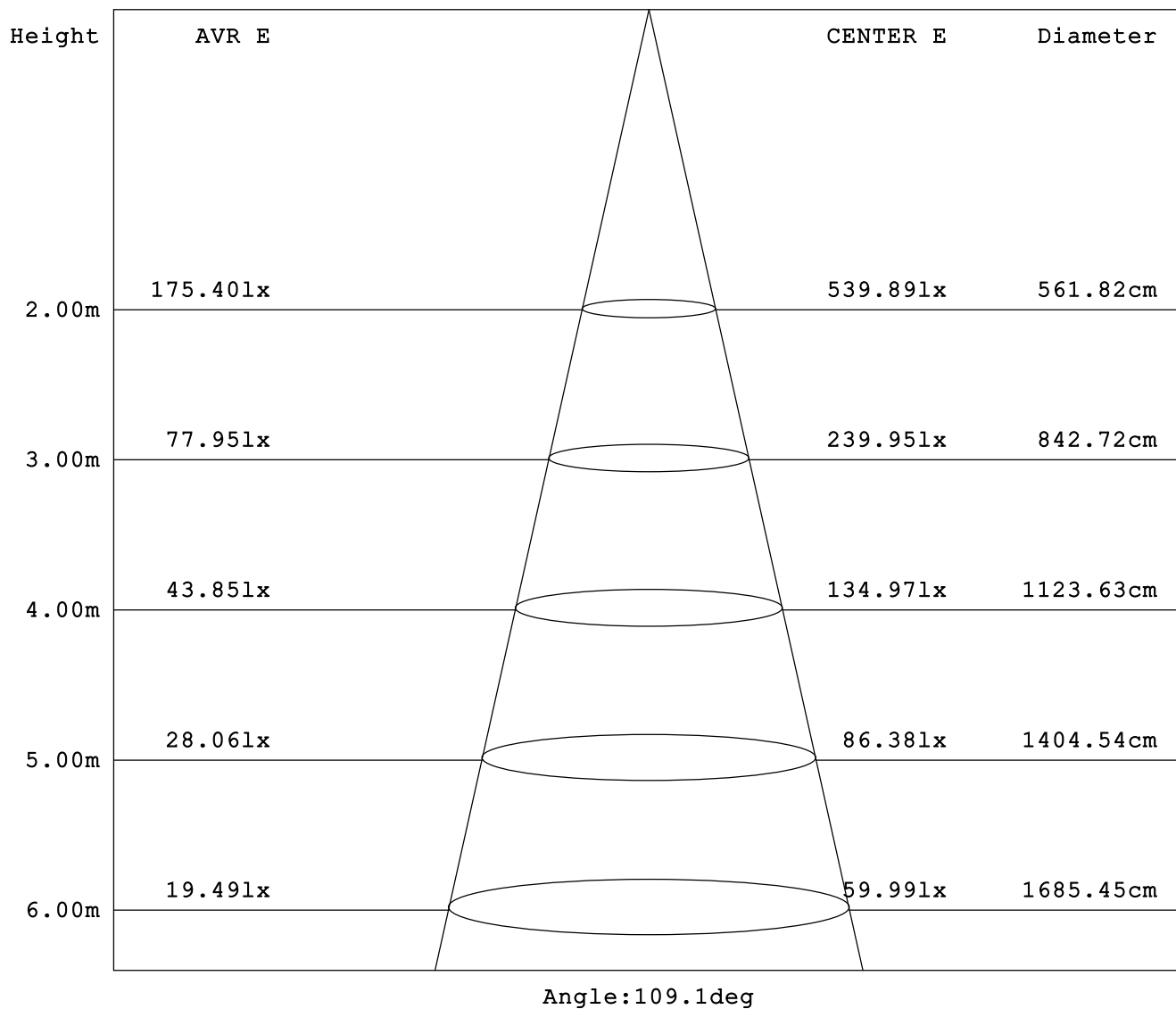
Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2025.07.01

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: Agnes D	TYPE: IL-PO29D-N0402C-110 W	WEIGHT:
SPECIFICATION: 2835LED、4000K、110DEG	DIMENSION:	SERIAL No.:



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

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

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes D	TYPE: IL-PO29D-N0402C-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110DEG	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2142	2152	2158	2159	2175	2171	2166	2163	0- 5	51.75	51.75
10.0	2098	2116	2127	2132	2165	2155	2145	2138	5- 10	153.6	205.4
15.0	2034	2063	2084	2088	2138	2121	2108	2097	10- 15	250.7	456.1
20.0	1956	1992	2023	2025	2089	2072	2060	2040	15- 20	339.8	796.0
25.0	1866	1905	1948	1946	2022	2004	1990	1963	20- 25	418.2	1214
30.0	1769	1805	1858	1852	1948	1920	1905	1870	25- 30	483.3	1698
35.0	1582	1691	1747	1713	1857	1824	1801	1765	30- 35	532.9	2231
40.0	1364	1542	1619	1535	1589	1698	1687	1645	35- 40	556.5	2787
45.0	1235	1343	1473	1398	1450	1493	1545	1457	40- 45	557.9	3345
50.0	985.5	1188	1303	1208	1325	1345	1390	1288	45- 50	542.1	3887
55.0	819.3	990.0	1122	961.5	1055	1181	1212	1125	50- 55	503.4	4391
60.0	590.4	762.1	916.1	786.7	897.1	903.8	1009	851.3	55- 60	438.7	4829
65.0	388.9	537.9	693.9	550.3	644.9	722.2	781.6	671.6	60- 65	354.3	5184
70.0	173.7	328.4	381.4	353.2	435.5	450.4	463.4	406.3	65- 70	253.4	5437
75.0	78.53	123.5	161.6	144.8	255.1	252.2	171.4	212.1	70- 75	144.3	5582
80.0	33.33	35.90	27.54	46.18	108.3	89.39	73.38	69.81	75- 80	60.21	5642
85.0	11.21	11.24	8.401	14.43	39.85	27.32	22.33	23.04	80- 85	19.12	5661
90.0	8.655	6.818	4.254	6.848	13.67	8.630	9.890	7.113	85- 90	6.804	5668
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:2025.07.01

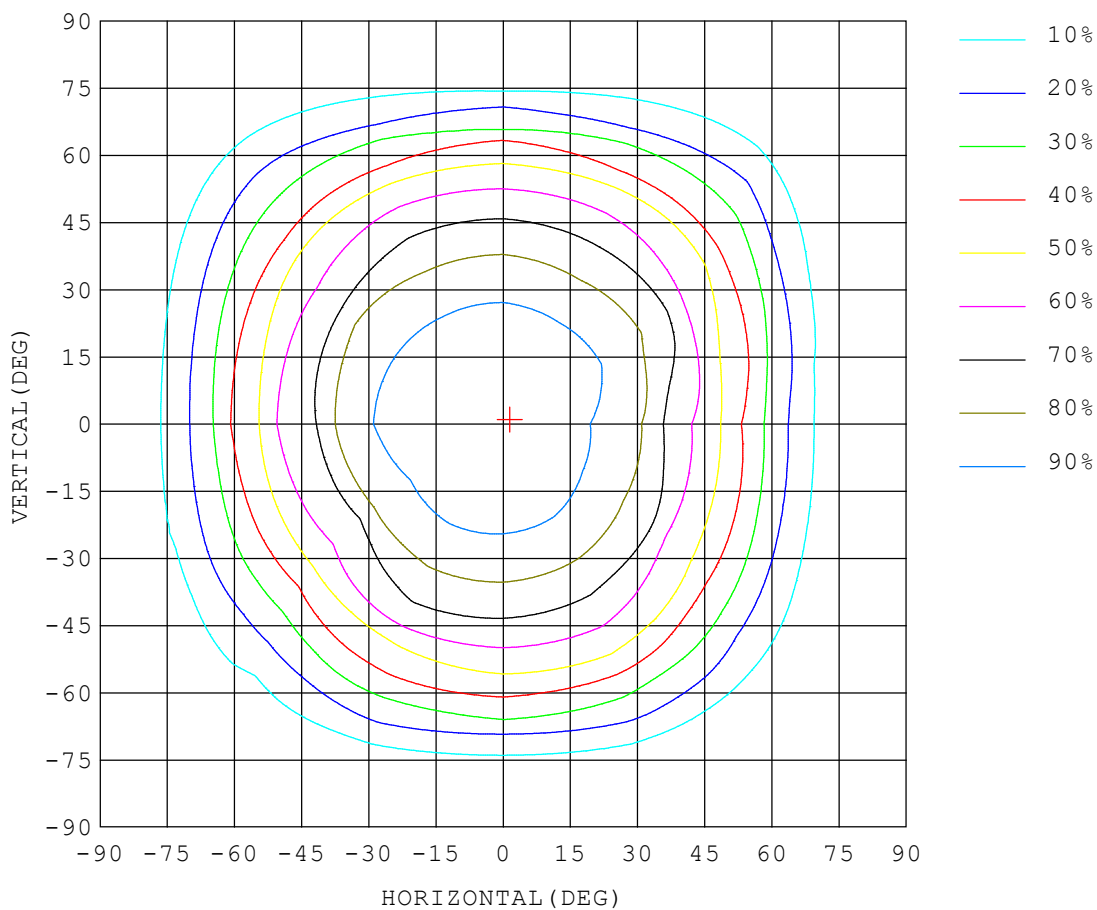
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes D	TYPE: IL-PO29D-N0402C-110 W010001	WEIGHT:
SPECIFICATION: 2835LED、4000K、110DEG	DIMENSION:	SERIAL No.:

UNIT: cd



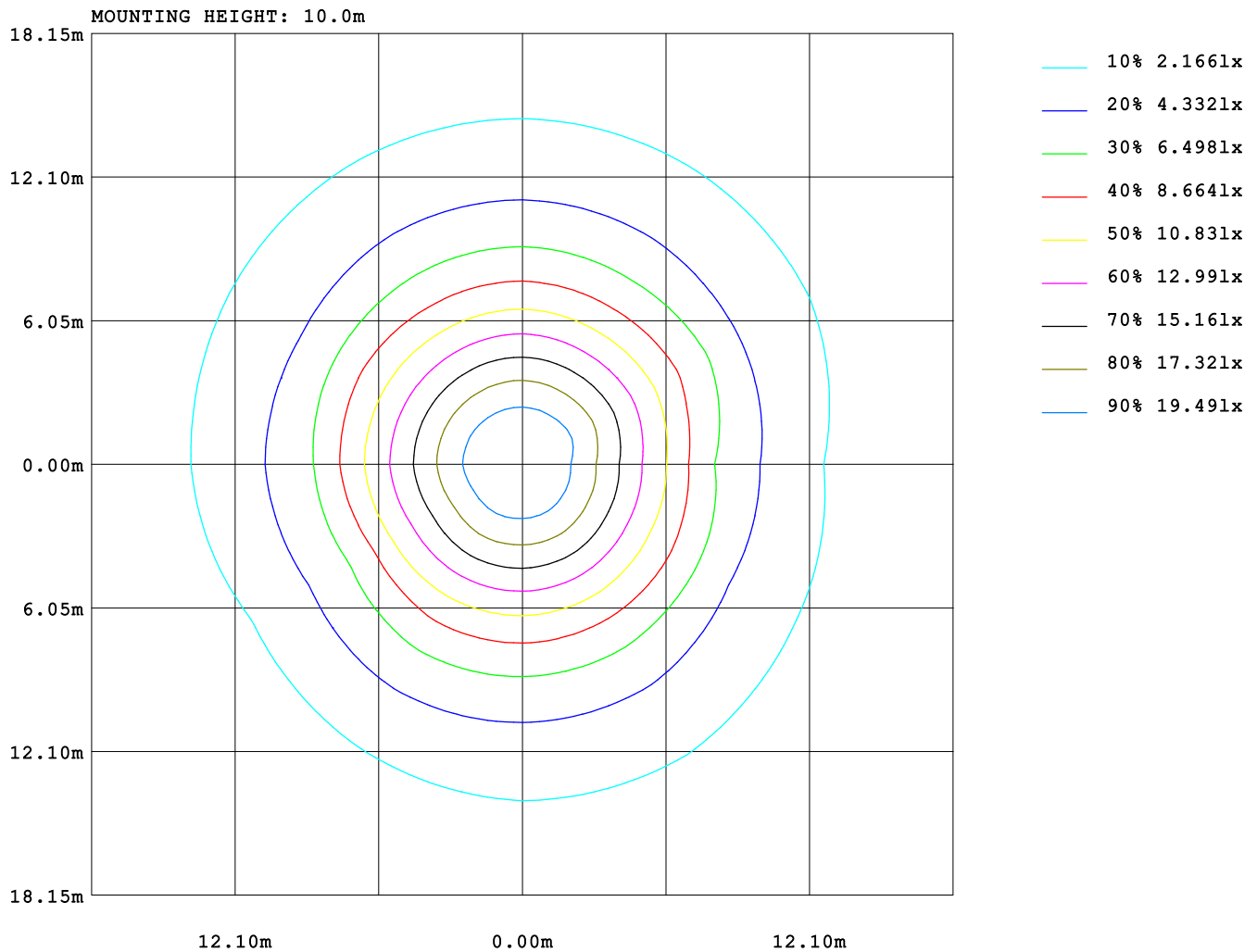
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025.07.01

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

ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes D	TYPE: IL-PO29D-N0402C-110 W010000	W010000:
SPECIFICATION: 2835LED、4000K、110DEG	DIMENSION:	SERIAL No.:



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

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes D	TYPE: IL-PO29D-N0402C-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110DEG	DIMENSION:	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	2168	2168	2168	2168	2168	2168	2168	2168	2168	2168	2168	2168
5.0	2142	2149	2156	2158	2161	2157	2175	2174	2168	2166	2162	2164
10.0	2098	2108	2125	2127	2135	2129	2165	2162	2147	2145	2136	2140
15.0	2034	2050	2076	2084	2092	2083	2138	2130	2113	2108	2097	2097
20.0	1956	1971	2012	2023	2035	2015	2089	2081	2063	2060	2041	2039
25.0	1866	1880	1930	1948	1957	1935	2022	2014	1994	1990	1965	1961
30.0	1769	1778	1833	1858	1862	1842	1948	1932	1907	1905	1871	1869
35.0	1582	1664	1718	1747	1751	1675	1857	1842	1806	1801	1763	1768
40.0	1364	1499	1584	1619	1626	1443	1589	1716	1681	1687	1638	1651
45.0	1235	1244	1441	1473	1488	1309	1450	1441	1545	1545	1496	1417
50.0	986	1098	1278	1303	1263	1153	1325	1303	1387	1390	1342	1234
55.0	819	883	1096	1122	1032	891	1055	1151	1211	1212	1168	1082
60.0	590	676	848	916	854	719	897	881	927	1009	883	820
65.0	389	448	628	694	610	491	645	718	726	782	688	655
70.0	174	272	384	381	412	294	436	481	420	463	374	439
75.0	78.5	99.2	148	162	168	122	255	281	224	171	204	220
80.0	33.3	29.1	42.6	27.5	53.9	38.4	108	111	67.9	73.3	58.8	80.7
85.0	11.2	5.86	16.6	8.40	19.4	9.44	39.8	38.7	15.9	22.3	14.5	31.5
90.0	8.65	4.16	9.47	4.25	9.56	4.13	13.6	12.4	4.78	9.89	4.14	10.0

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

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