

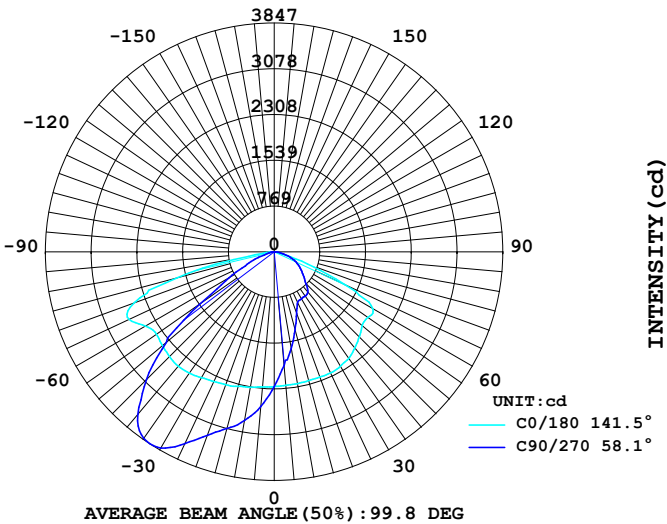
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

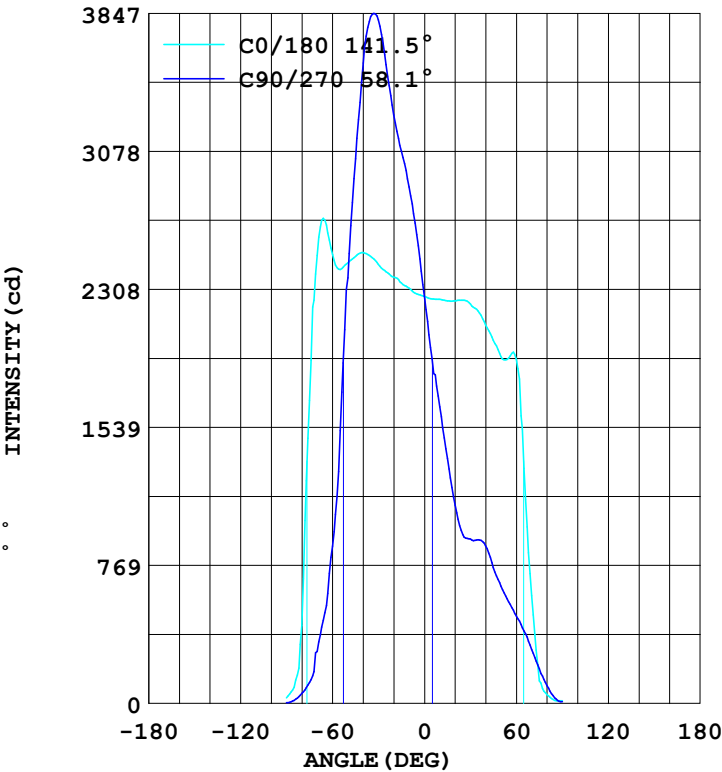
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes A	TYPE: IL-PO29A-N0652C-T3B	WEIGHT:
SPECIFICATION: 5050LED、3000K、T3B	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	4832	S/MH (C0/180)	1.67
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.75
NOMINAL POWER(W)	66	TOTAL FLUX(lm)	8890.4	Voltage(V)	230.8
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	135.1	Current(A)	0.293
NOMINAL FLUX(lm)	8890.4	$\eta$ up (%)	0.0	Power(W)	65.80
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.971
TEST VOLTAGE (V)	230.9	Effective Flux(lm)	0.0	EEL	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



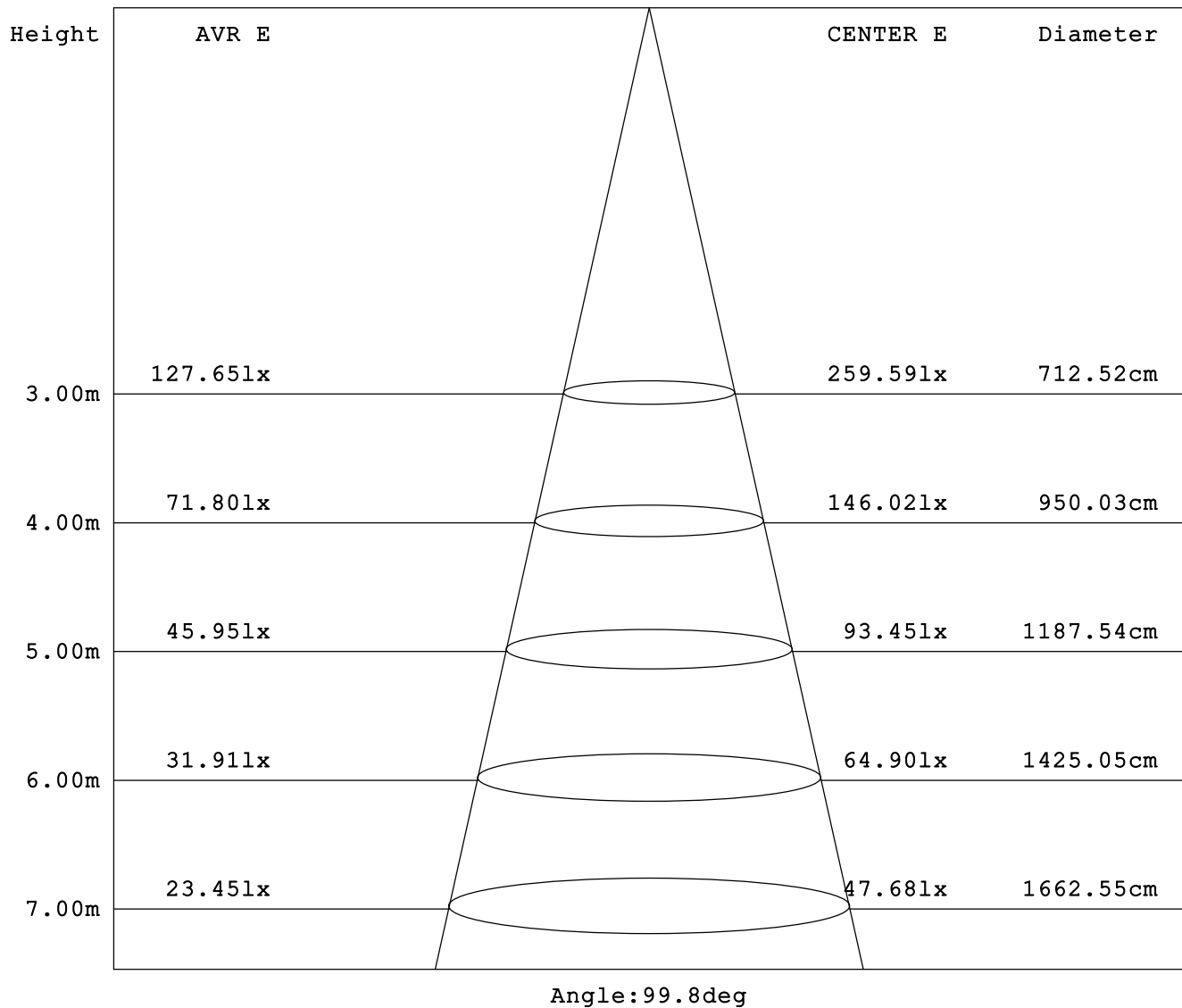
Test System:  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2025.07.01

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:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes A	TYPE: IL-PO29A-N0652C-T3B	WEIGHT:
SPECIFICATION: 5050LED、3000K、T3B	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 A	TYPE: IL-PO29A-N0652C-T3B	WEIGHT:
SPECIFICATION: 5050LED、3000K、T3B	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	2282	2527	2612	2496	2255	2039	1921	2082	0- 5	54.33	54.33
10.0	2315	2776	2879	2688	2252	1793	1652	1855	5- 10	162.7	217.1
15.0	2343	2982	3080	2871	2244	1564	1365	1647	10- 15	269.1	486.2
20.0	2377	3158	3281	3047	2244	1330	1105	1441	15- 20	371.4	857.7
25.0	2407	3383	3560	3256	2247	1119	940.3	1237	20- 25	473.7	1331
30.0	2447	3633	3811	3475	2226	973.9	916.5	1053	25- 30	582.6	1914
35.0	2491	3833	3828	3649	2187	944.6	912.2	947.7	30- 35	692.1	2606
40.0	2512	3937	3569	3767	2109	991.9	879.0	952.7	35- 40	786.2	3393
45.0	2492	3877	3036	3730	2025	1014	757.4	999.2	40- 45	847.3	4240
50.0	2456	3633	2372	3533	1932	974.6	654.4	976.2	45- 50	865.9	5106
55.0	2419	3200	1521	3120	1924	830.3	566.3	936.8	50- 55	840.0	5946
60.0	2503	2683	876.4	2744	1919	593.6	487.7	726.2	55- 60	781.2	6727
65.0	2694	2023	506.3	2217	1311	408.3	404.9	505.7	60- 65	720.1	7447
70.0	2498	1073	289.7	1441	600.9	278.7	301.1	356.3	65- 70	650.8	8098
75.0	1688	385.5	116.8	400.5	125.9	152.8	194.2	197.5	70- 75	480.8	8579
80.0	435.0	151.3	55.99	115.6	49.57	65.44	98.85	79.75	75- 80	245.0	8824
85.0	90.18	57.12	17.08	38.74	16.99	15.24	31.99	23.20	80- 85	54.55	8879
90.0	31.64	14.45	4.641	11.46	14.28	6.732	9.085	7.577	85- 90	11.88	8890
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

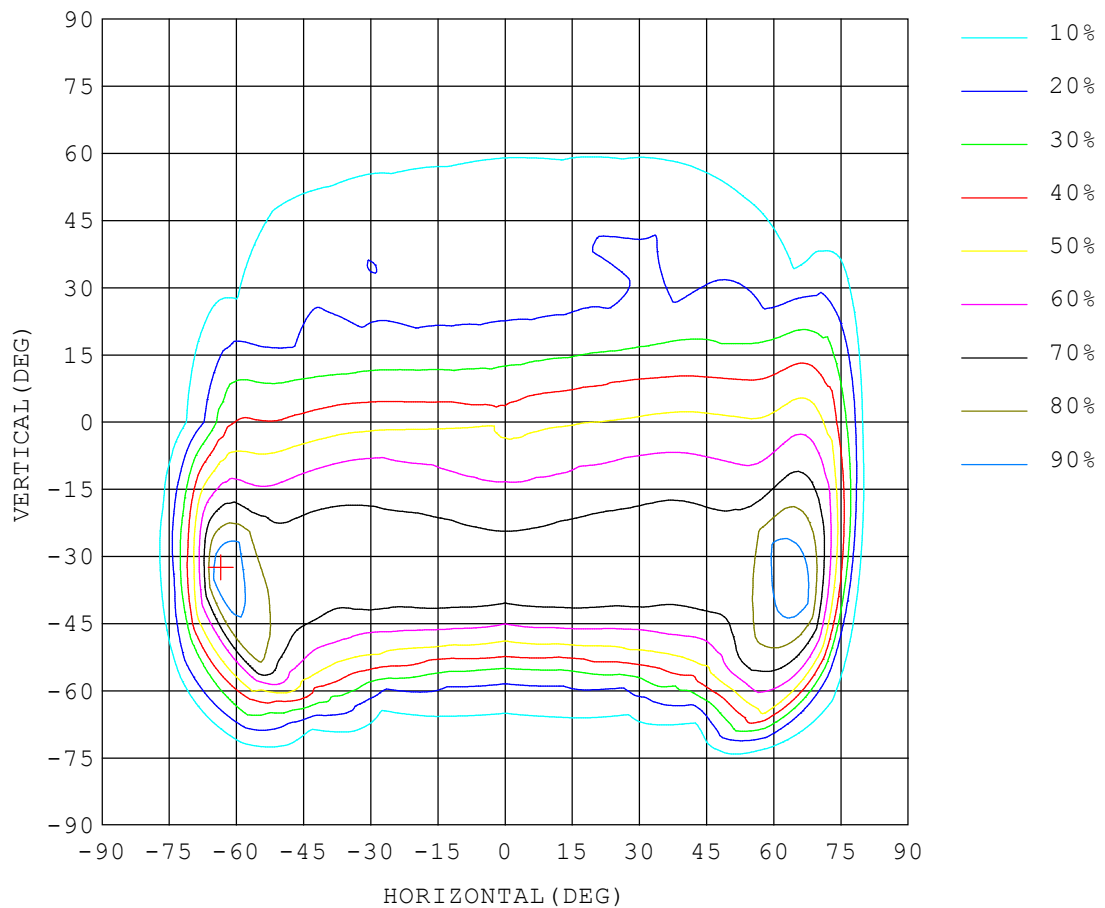
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes A	TYPE: IL-PO29A-N0652C-T3B	WEIGHT:
SPECIFICATION: 5050LED、3000K、T3B	DIMENSION:	SERIAL No.:

UNIT: cd



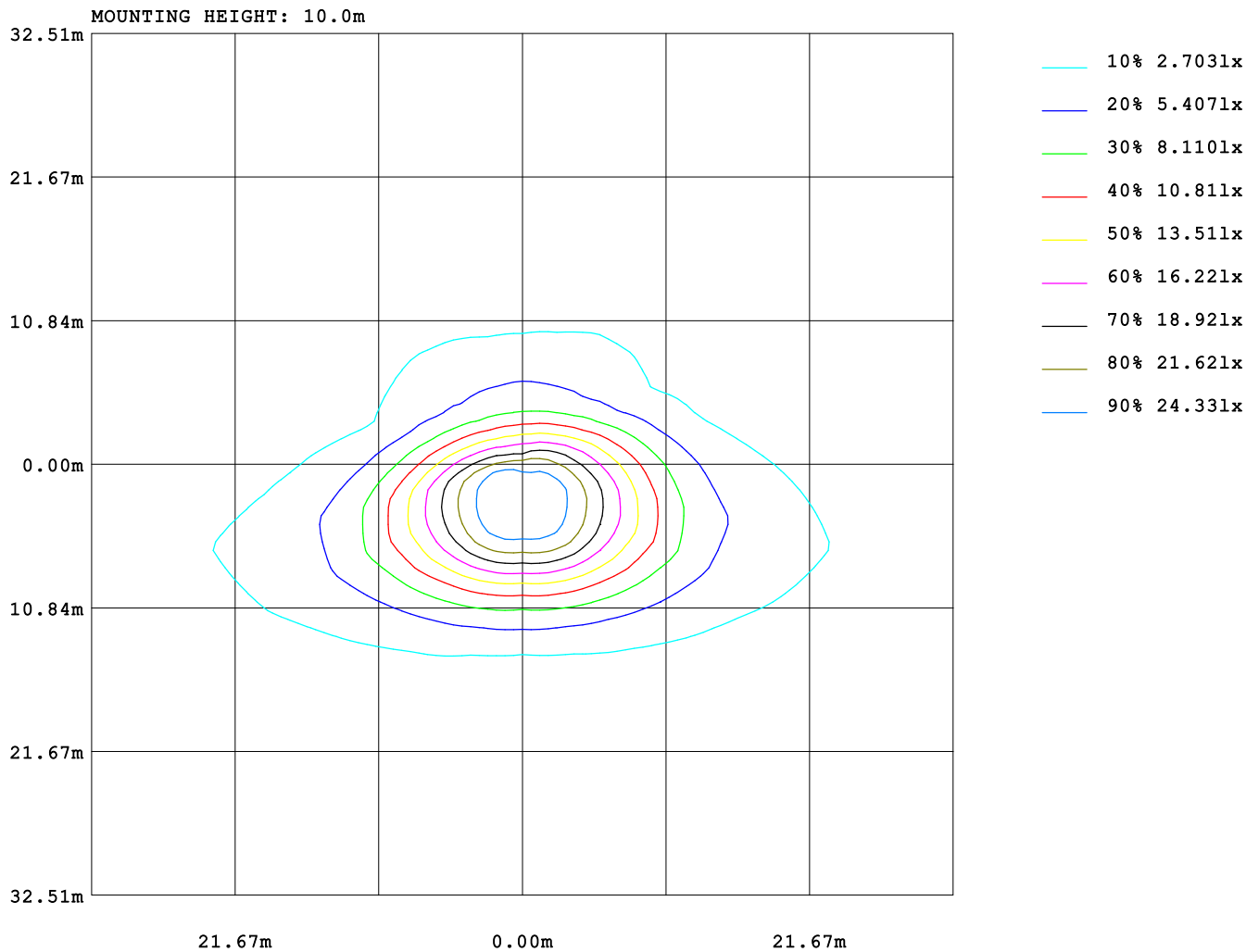
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025.07.01

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 A	TYPE: IL-PO29A-N0652C-T3B	WEIGHT:
SPECIFICATION: 5050LED、3000K、T3B	DIMENSION:	SERIAL No.:



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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER: ILUMEN GMBH</b>	<b>Address:</b>	
<b>NAME: Agnes A</b>	<b>TYPE: IL-PO29A-N0652C-T3B</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: 5050LED、3000K、T3B</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	2269	2269	2269	2269	2269	2269	2269	2269	2269	2269	2269	2269	2269	2269	2269
5.0	2282	2371	2454	2527	2577	2611	2612	2598	2552	2496	2420	2341	2255	2161	2076
10.0	2315	2495	2653	2776	2841	2887	2879	2858	2779	2688	2560	2416	2252	2078	1884
15.0	2343	2605	2811	2982	3063	3102	3080	3060	2971	2871	2703	2508	2244	1987	1742
20.0	2377	2726	2992	3158	3240	3307	3281	3258	3161	3047	2854	2593	2244	1875	1568
25.0	2407	2842	3157	3383	3529	3601	3560	3557	3438	3256	3001	2685	2247	1766	1380
30.0	2447	2973	3324	3633	3845	3915	3811	3869	3726	3475	3146	2796	2226	1644	1196
35.0	2491	3110	3489	3833	4029	4007	3828	3951	3885	3649	3308	2898	2187	1499	1039
40.0	2512	3214	3693	3937	3921	3788	3569	3734	3782	3767	3473	2968	2109	1339	963
45.0	2492	3275	3840	3877	3580	3283	3036	3252	3477	3730	3606	3025	2025	1148	945
50.0	2456	3340	3869	3633	3063	2635	2372	2629	3014	3533	3693	3069	1932	941	976
55.0	2419	3449	3822	3200	2399	1724	1521	1708	2417	3120	3732	3164	1924	739	905
60.0	2503	3905	3605	2683	1527	1005	876	1002	1629	2744	3670	3631	1919	583	721
65.0	2694	4609	3573	2023	821	582	506	564	770	2217	3704	4440	1311	437	501
70.0	2498	4832	3582	1073	425	366	290	353	370	1441	3751	4097	601	270	350
75.0	1688	3817	2808	386	177	154	117	142	144	401	1901	2212	126	135	190
80.0	435	1091	936	151	83.6	75.9	55.9	65.9	63.7	116	593	657	49.5	41.9	66.5
85.0	90.1	116	87.0	57.1	26.7	30.8	17.0	26.5	18.2	38.7	37.7	62.0	16.9	11.0	21.4
90.0	31.6	34.3	14.0	14.4	5.74	9.89	4.64	9.64	4.61	11.4	5.24	15.6	14.2	10.3	13.3

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:

<b>MANUFACTURER: ILUMEN GMBH</b>	<b>Address:</b>	
<b>NAME: Agnes A</b>	<b>TYPE: IL-PO29A-N0652C-T3B</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: 5050LED、3000K、T3B</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	2269	2269	2269	2269	2269	2269	2269	2269	2269
5.0	2039	1953	1959	1921	1973	1980	2082	2124	2212
10.0	1793	1706	1655	1652	1673	1748	1855	1973	2148
15.0	1564	1443	1370	1365	1403	1506	1647	1821	2079
20.0	1330	1187	1110	1105	1144	1260	1441	1700	2004
25.0	1119	990	944	940	960	1042	1237	1558	1967
30.0	974	919	913	917	912	927	1053	1401	1900
35.0	945	929	916	912	914	931	948	1230	1816
40.0	992	961	897	879	917	963	953	1067	1720
45.0	1014	931	782	757	839	984	999	936	1581
50.0	975	780	658	654	698	903	976	866	1402
55.0	830	627	563	566	592	719	937	814	1213
60.0	594	486	477	488	492	555	726	723	984
65.0	408	394	390	405	407	433	506	557	705
70.0	279	293	287	301	307	319	356	381	403
75.0	153	167	170	194	184	211	198	236	183
80.0	65.4	87.3	81.1	98.8	86.5	99.6	79.7	92.0	70.2
85.0	15.2	26.8	21.0	31.9	24.0	33.4	23.2	29.2	17.0
90.0	6.73	9.41	4.49	9.08	4.52	10.4	7.57	13.4	8.30

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: