

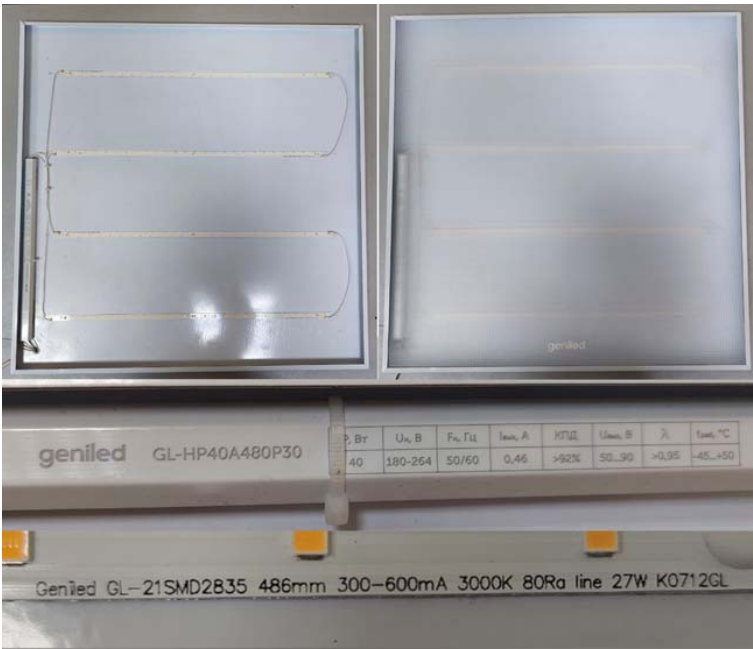
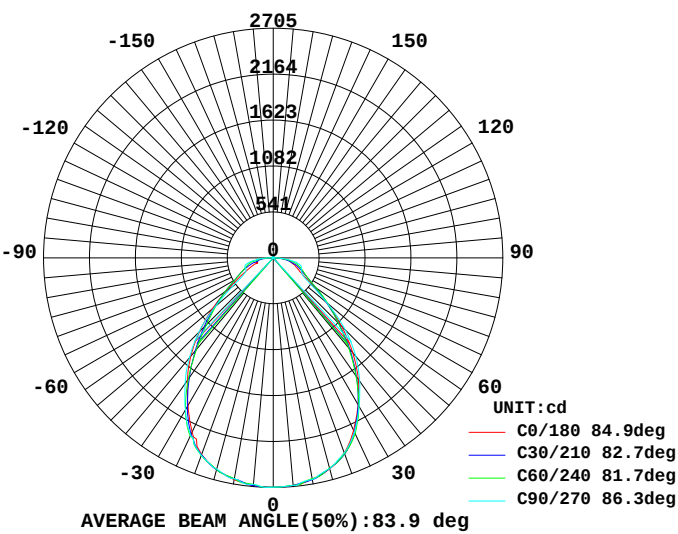
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office Standart 80Ra 3000K 40W Microprism		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2986	DIMENSION: 595x595x20	SERIAL No.:

DATA OF LAMP		Imax(cd)	2706	S/MH(C0/180)	1.13
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.15
NOMINAL POWER(W)	42	TOTAL FLUX(lm)	5407.8	Voltage(V)	220.5
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	130.4	Current(A)	0.195
NOMINAL FLUX(lm)	5407.8	η up(%)	1.4	Power(W)	41.48
LAMPS QUANTITY	1	η down(%)	98.6	Power Factor(PF)	0.963
TEST VOLTAGE(V)	220.5	Effective Flux(lm)	5407.8	EEI	0.104

LUMINOUS INTENSITY DISTRIBUTION



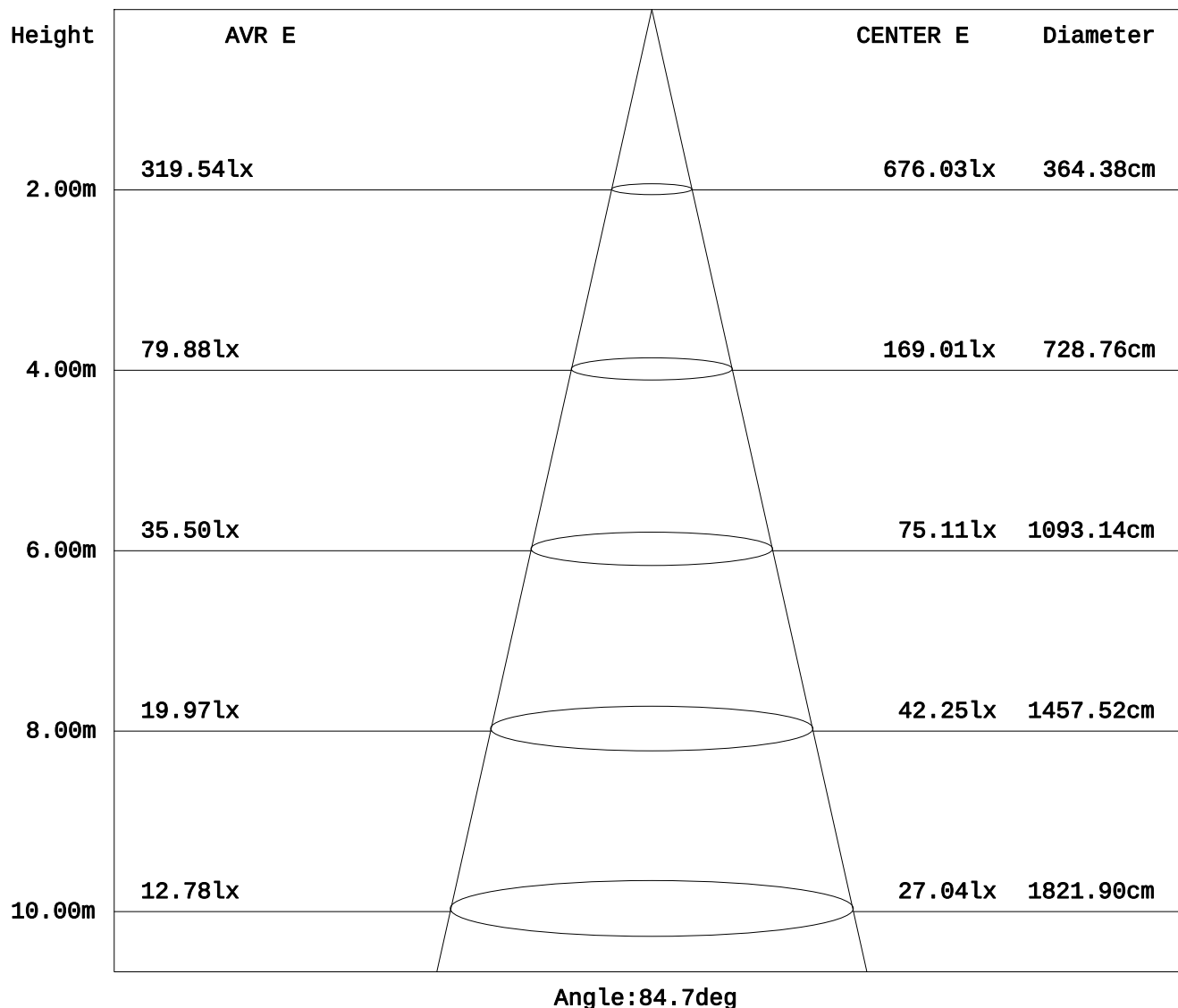
Test System:
Temperature:25.3'C
Operators:
Test Date:03-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 81Ra. 0.9% Flicker. 27.7 Temp

AVERAGE AND CENTER E Figure

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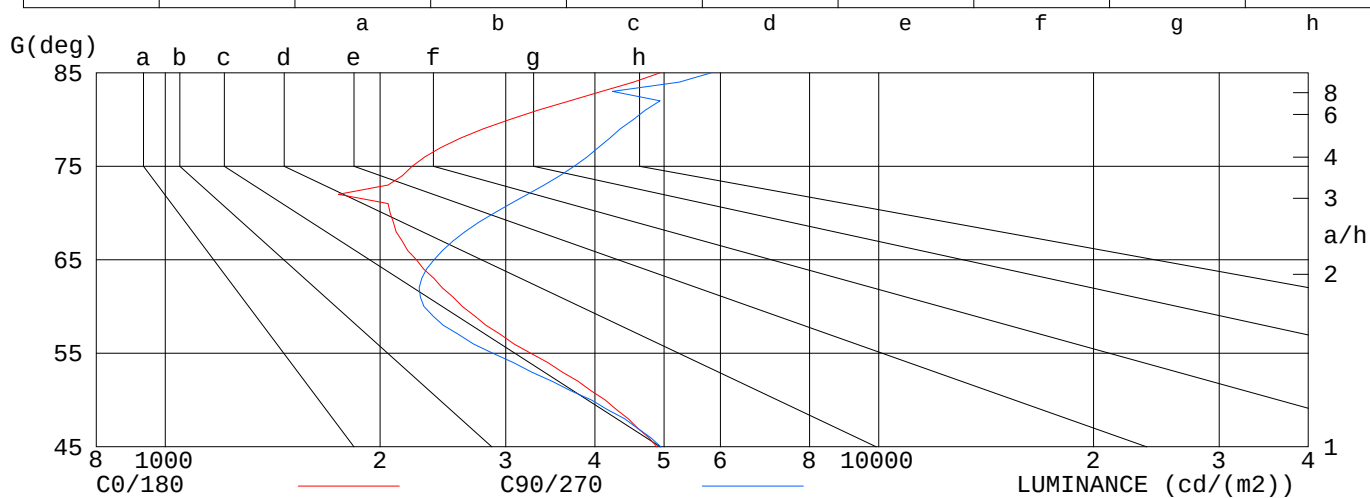
LUMINANCE LIMITATION CURVES

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LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/m2		
G(deg)	C0/180	C90/270
85	4936	5821
80	3037	4529
75	2218	3740
70	2066	2891
65	2248	2380
60	2609	2304
55	3253	2877
50	4135	3956
45	4889	4949

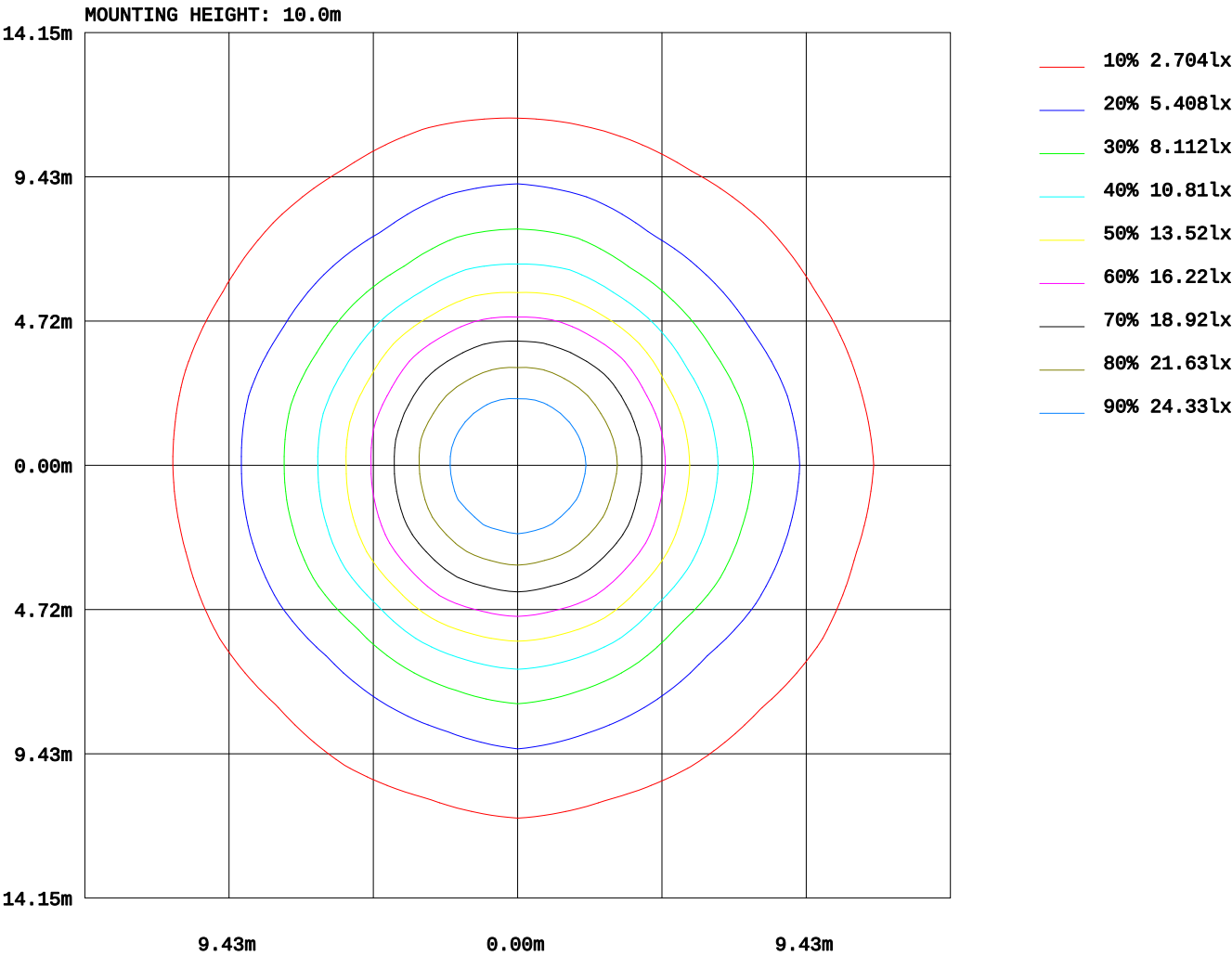
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 2986	DIMENSION: 595x595x20		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	16.0	17.4	16.3	17.6	17.8	15.9	17.2	16.2	17.4	17.7
3H	16.8	18.1	17.1	18.3	18.6	17.1	18.4	17.4	18.6	18.9
4H	17.3	18.4	17.6	18.7	19.0	18.1	19.3	18.4	19.6	19.8
6H	17.9	19.0	18.2	19.3	19.6	19.2	20.3	19.5	20.6	20.9
8H	18.3	19.3	18.6	19.6	20.0	19.6	20.7	20.0	21.0	21.3
12H	18.8	19.8	19.1	20.1	20.4	20.1	21.1	20.5	21.4	21.8
4H 2H	16.4	17.6	16.8	17.9	18.2	16.3	17.5	16.6	17.8	18.0
3H	17.6	18.6	17.9	18.9	19.2	17.9	18.9	18.2	19.2	19.5
4H	18.2	19.1	18.6	19.5	19.8	19.1	20.0	19.4	20.3	20.7
6H	18.9	19.8	19.4	20.2	20.5	20.3	21.1	20.7	21.5	21.9
8H	19.4	20.2	19.9	20.6	21.0	20.8	21.6	21.3	22.0	22.4
12H	20.0	20.7	20.4	21.1	21.6	21.4	22.1	21.8	22.5	22.9
8H 4H	18.5	19.3	19.0	19.7	20.1	19.3	20.1	19.7	20.5	20.9
6H	19.5	20.2	20.0	20.6	21.0	20.8	21.4	21.2	21.9	22.3
8H	20.1	20.7	20.6	21.1	21.6	21.5	22.1	22.0	22.5	23.0
12H	20.8	21.3	21.3	21.8	22.3	22.1	22.6	22.6	23.1	23.6
12H 4H	18.6	19.3	19.1	19.7	20.2	19.3	20.1	19.8	20.5	20.9
6H	19.6	20.2	20.1	20.7	21.1	20.8	21.4	21.3	21.9	22.3
8H	20.3	20.8	20.8	21.3	21.8	21.6	22.1	22.1	22.6	23.1

Variations with the observer position at spacings:

S = 1.0H	+ 0.3 / - 0.3	+ 0.2 / - 0.2
1.5H	+ 0.2 / - 0.3	+ 0.1 / - 0.2
2.0H	+ 0.5 / - 0.6	+ 0.5 / - 0.4

CIE Pub.117 Corrected 5408 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.9)

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LUMINOUS DISTRIBUTION INTENSITY DATA

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Address:															
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SPECIFICATION:				CCT(K): 2986				DIMENSION: 595x595x20				SERIAL No.:			

UNIT: cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	2704	2700	2702	2701	2700	2697	2701	2700	2702	2703	2700	2698	2704	2700	2702
5.0	2690	2692	2694	2692	2678	2676	2678	2676	2677	2691	2698	2691	2689	2692	2689
10.0	2653	2650	2644	2652	2642	2634	2642	2635	2643	2652	2643	2651	2647	2653	2654
15.0	2581	2567	2584	2575	2581	2566	2577	2566	2583	2571	2588	2569	2572	2584	2569
20.0	2466	2445	2471	2463	2479	2458	2476	2462	2479	2461	2470	2449	2445	2468	2458
25.0	2263	2252	2294	2291	2316	2294	2308	2298	2320	2294	2294	2256	2241	2274	2264
30.0	2007	1992	2022	2012	2066	2050	2068	2050	2064	2017	2039	2014	2002	2026	2002
35.0	1765	1727	1725	1668	1746	1764	1813	1758	1744	1695	1758	1746	1745	1763	1706
40.0	1513	1469	1431	1354	1410	1462	1539	1448	1414	1377	1448	1455	1459	1476	1403
45.0	1224	1176	1151	1076	1111	1144	1239	1126	1110	1068	1126	1130	1140	1150	1094
50.0	941	876	900	852	883	848	900	840	868	813	840	809	830	839	818
55.0	661	627	685	678	691	602	584	592	665	622	613	573	581	610	612
60.0	462	459	524	527	529	439	408	428	504	486	470	419	407	457	468
65.0	336	351	428	392	423	369	356	363	412	380	387	342	325	371	376
70.0	250	275	339	294	356	345	350	345	349	295	333	296	276	318	313
75.0	203	214	254	219	305	317	343	321	297	224	265	242	227	267	237
80.0	187	172	185	158	241	238	278	241	236	163	200	192	196	214	167
85.0	152	107	108	76.4	148	130	180	126	143	73.0	114	109	117	142	80.5
90.0	29.9	10.0	25.7	10.1	33.8	13.9	36.7	7.00	22.2	3.70	16.7	4.20	5.50	25.4	5.20
95.0	11.5	4.20	11.5	4.20	12.1	4.40	12.5	4.30	11.9	4.20	11.3	4.10	4.50	11.7	4.30
100.0	10.7	4.80	10.7	4.90	11.2	5.00	11.4	5.00	11.1	4.90	10.7	4.80	5.20	10.9	5.00
105.0	10.5	5.60	10.5	5.70	10.9	5.80	11.1	5.80	10.7	5.70	10.5	5.70	6.20	10.7	5.80
110.0	10.7	6.60	10.7	6.70	11.0	6.80	11.2	6.70	10.9	6.70	10.7	6.70	7.30	11.0	6.80
115.0	11.2	7.70	11.2	7.80	11.5	7.90	11.7	7.90	11.4	7.70	11.2	7.80	8.50	11.5	8.00
120.0	12.0	8.90	11.9	9.00	12.2	9.20	12.4	9.09	12.1	9.00	11.9	9.00	9.80	12.3	9.20
125.0	12.8	10.2	12.7	10.3	13.0	10.5	13.3	10.4	12.9	10.3	12.7	10.3	11.2	13.0	10.5
130.0	13.7	11.3	13.6	11.4	13.7	11.5	14.0	11.5	13.7	11.4	13.6	11.5	12.4	14.0	11.7
135.0	14.7	12.6	14.4	12.6	14.5	12.7	14.8	12.6	14.5	12.6	14.5	12.7	13.7	14.9	12.9
140.0	15.6	13.6	15.2	13.7	15.4	13.7	15.5	13.7	15.4	13.7	15.4	13.9	14.9	15.9	14.1
145.0	16.5	14.7	16.1	14.7	16.3	14.9	16.3	14.7	16.2	14.8	16.3	15.2	16.1	16.9	15.2
150.0	17.5	15.9	17.0	15.8	17.2	16.0	17.2	15.8	17.1	15.9	17.2	16.5	17.4	17.9	16.4
155.0	18.5	17.2	18.0	17.0	18.1	17.2	18.0	17.0	18.0	17.0	18.1	17.5	18.4	18.9	17.4
160.0	19.4	18.1	19.1	18.0	19.0	18.1	19.0	18.0	19.1	18.0	19.1	18.6	19.3	19.7	18.2
165.0	20.5	19.2	20.0	19.1	19.7	19.1	20.0	19.0	19.9	19.1	19.7	19.3	20.1	20.2	19.1
170.0	21.1	19.9	20.6	19.7	20.5	19.7	20.8	19.6	20.6	19.7	20.6	20.0	20.9	20.9	19.9
175.0	21.5	20.2	21.0	20.4	21.0	20.2	21.4	20.2	21.1	20.4	21.0	20.2	21.2	21.1	20.4
180.0	21.6	20.8	21.4	20.9	21.2	20.7	21.6	20.8	21.2	20.9	21.2	20.7	21.7	21.2	20.9

Test System:
Temperature:25.3'C
Operators:
Test Date:03-20-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 81Ra. 0.9% Flicker. 27.7 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2701	2700	2697	2701	2700	2702	2703	2700	2698
5.0	2687	2690	2693	2692	2692	2686	2683	2685	2690
10.0	2652	2640	2652	2652	2650	2636	2647	2647	2649
15.0	2587	2563	2579	2570	2574	2558	2581	2566	2575
20.0	2470	2455	2461	2446	2457	2445	2465	2449	2461
25.0	2301	2284	2293	2266	2285	2273	2288	2248	2262
30.0	2030	2020	2052	2023	2046	2007	1999	1959	1992
35.0	1708	1699	1782	1775	1774	1677	1660	1652	1724
40.0	1397	1382	1492	1516	1470	1340	1342	1366	1466
45.0	1098	1087	1180	1204	1139	1053	1077	1091	1174
50.0	847	840	867	828	835	836	869	853	884
55.0	657	619	601	533	598	643	692	648	643
60.0	506	468	450	397	456	496	524	491	481
65.0	396	397	397	366	402	409	393	396	372
70.0	318	344	376	354	375	346	304	309	293
75.0	255	290	344	330	341	289	239	220	235
80.0	199	208	267	245	265	202	185	150	196
85.0	113	105	165	126	163	96.0	97.0	73.0	139
90.0	21.7	5.60	24.2	4.30	19.0	3.70	14.3	3.60	19.5
95.0	11.5	4.40	12.3	4.30	12.2	4.30	11.2	4.10	11.4
100.0	10.9	5.10	11.4	5.00	11.2	4.90	10.5	4.80	10.7
105.0	10.7	5.90	11.1	5.80	10.9	5.70	10.3	5.60	10.4
110.0	10.9	6.80	11.2	6.80	11.0	6.60	10.5	6.50	10.5
115.0	11.4	8.00	11.7	8.00	11.5	7.80	11.1	7.70	11.2
120.0	12.1	9.20	12.4	9.30	12.3	9.09	11.9	8.90	11.9
125.0	13.0	10.5	13.2	10.5	13.0	10.4	12.7	10.2	12.8
130.0	13.9	11.7	14.1	11.7	14.0	11.5	13.6	11.4	13.7
135.0	14.8	12.9	14.8	12.8	14.7	12.7	14.5	12.6	14.5
140.0	15.7	13.9	15.5	13.7	15.5	13.7	15.2	13.7	15.4
145.0	16.5	14.9	16.3	14.8	16.4	14.8	16.2	14.7	16.3
150.0	17.4	15.9	17.2	15.9	17.2	15.9	17.1	15.8	17.2
155.0	18.1	17.0	18.1	16.9	18.1	17.0	18.0	17.0	18.2
160.0	19.0	18.0	19.0	18.0	19.1	18.0	18.9	18.1	19.3
165.0	19.9	19.1	19.7	19.1	19.9	18.7	19.9	19.3	20.2
170.0	20.7	19.9	20.5	19.9	20.5	19.6	20.5	19.9	20.9
175.0	21.1	20.4	21.0	20.6	21.0	20.2	21.1	20.4	21.1
180.0	21.4	20.8	21.1	21.1	21.1	20.8	21.4	20.8	21.1

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