

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

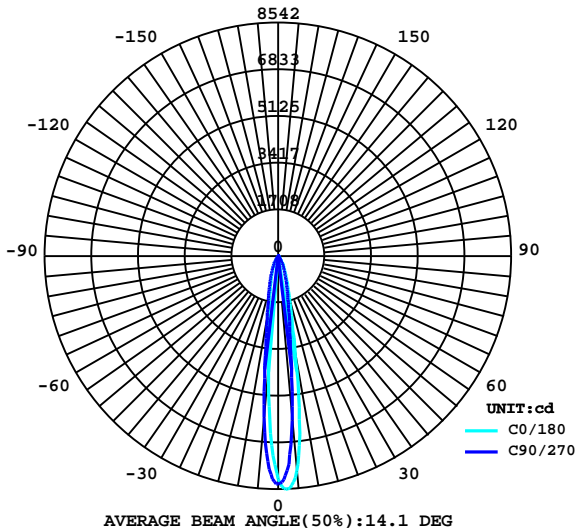
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

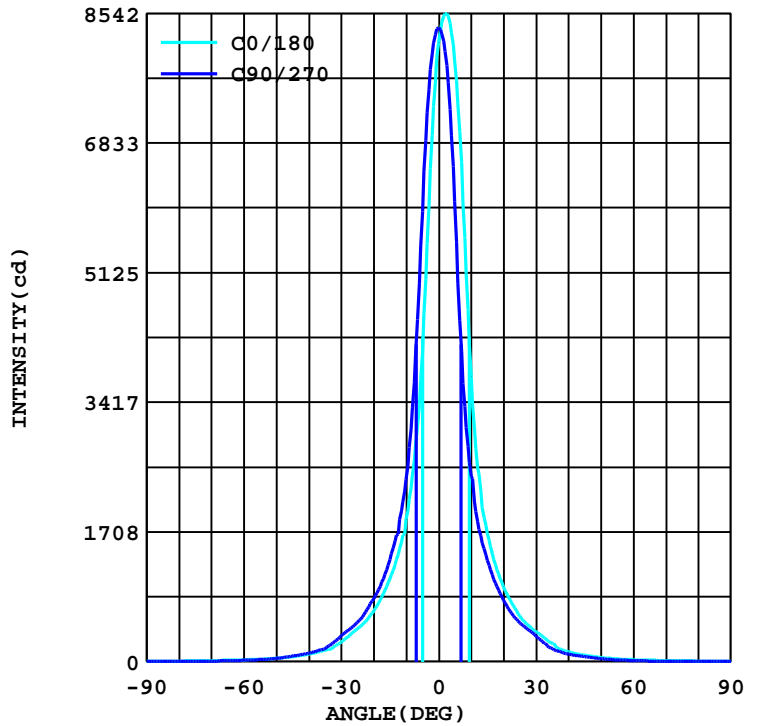
MANUFACTURER:		Address:	
NAME: SD-12-30K-SO-15-WH		TYPE:	WEIGHT:N/A
SPECIFICATION:		DIMENSION: 0.063X1X0.166	SERIAL No.:N/A

DATA OF LAMP		I _{max} (cd)	8542	S/MH(C0/180)	0.17
MODEL	3528 LED	EFFICIENCY(%)	100.0	S/MH(C90/270)	0.24
NOMINAL POWER(W)	13.5	TOTAL FLUX(lm)	1323.7	Voltage(V)	24.02
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	98.1	Current(A)	0.561
NOMINAL FLUX(lm)	1323.7	η up(%)	0.9	Power(W)	13.49
LAMPS QUANTITY	1	η down(%)	99.1	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	0.0	EEL	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



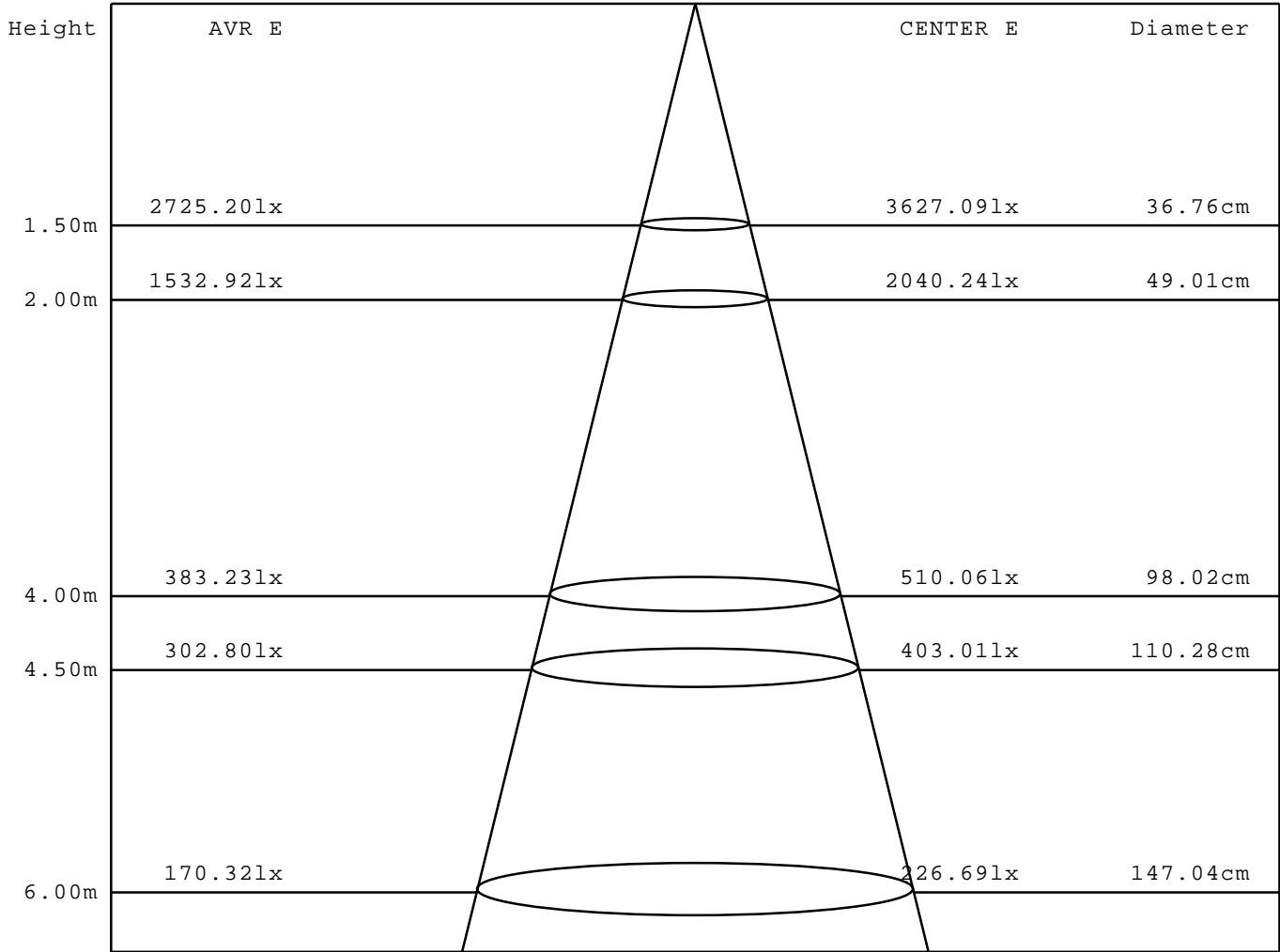
Test System:HOP00
 Temperature:23DEG
 Operators:
 Test Date:06-06-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:45%
 Test Distance:8.368 m
 Remarks: SD-12-30K-SO-15-WH

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: SD-12-30K-SO-15-WH	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 0.063X1X0.166	SERIAL No.:N/A



Angle:14.0deg

Test System:HOP00
 Temperature:23DEG
 Operators:
 Test Date:06-06-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:45%
 Test Distance:8.368 m
 Remarks: SD-12-30K-SO-15-WH

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SD-12-30K-SO-15-WH	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 0.063X1X0.166	SERIAL No.:N/A

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	4086	4726	5934	6975	7915	7145	6059	5247	0- 5	171	171
10.0	1873	2020	2398	2777	3755	3007	2441	2207	5- 10	279	450
15.0	1091	1160	1342	1470	1687	1532	1334	1256	10- 15	215	666
20.0	667.8	713.1	832.1	880.4	989.5	925.8	815.9	769.4	15- 20	173	839
25.0	434.3	445.0	518.1	545.6	599.6	573.4	512.9	493.3	20- 25	136	975
30.0	260.6	274.4	339.8	350.0	395.9	383.2	336.6	305.2	25- 30	105	1080
35.0	150.2	148.0	166.2	187.8	239.6	214.9	169.5	165.6	30- 35	73	1154
40.0	98.80	95.58	111.0	115.8	129.2	126.4	99.99	107.9	35- 40	47	1201
45.0	64.56	61.69	73.59	76.60	85.35	85.07	64.91	72.05	40- 45	33	1234
50.0	43.76	41.31	43.27	49.92	54.75	58.25	38.79	49.71	45- 50	24	1258
55.0	31.23	28.49	27.37	33.47	36.20	40.61	22.33	35.29	50- 55	17	1275
60.0	23.66	18.97	17.64	21.84	25.41	28.91	13.16	24.50	55- 60	12	1287
65.0	18.62	12.04	11.41	14.07	19.04	19.53	7.492	16.38	60- 65	9	1296
70.0	14.28	5.951	6.092	7.352	14.70	11.97	3.151	9.383	65- 70	6	1302
75.0	10.71	1.960	5.251	2.870	10.71	6.582	2.380	5.041	70- 75	4	1306
80.0	7.282	1.540	4.481	1.750	7.492	4.481	1.890	4.131	75- 80	3	1308
85.0	3.991	0.770	3.291	1.190	4.341	3.641	1.120	3.221	80- 85	2	1310
90.0	2.170	0	2.030	0	1.330	2.380	0.070	2.100	85- 90	1	1311
95.0	1.960	0.070	1.890	0	0.350	2.030	0.070	1.960	90- 95	1	1312
100.0	1.820	0	1.680	0.070	0.350	1.820	0.140	1.820	95-100	1	1312
105.0	1.750	0.140	1.680	0.140	0.350	1.750	0.140	1.680	100-105	1	1313
110.0	1.610	0.210	1.540	0.140	0.490	1.680	0.210	1.610	105-110	0	1313
115.0	1.470	0.210	1.400	0.210	0.490	1.610	0.350	1.540	110-115	0	1314
120.0	1.470	0.280	1.400	0.280	0.700	1.540	0.490	1.610	115-120	0	1314
125.0	1.540	0.420	1.330	0.350	0.840	1.610	0.630	1.680	120-125	0	1315
130.0	1.610	0.560	1.400	0.490	1.050	1.750	0.910	1.820	125-130	0	1315
135.0	1.680	0.840	1.470	0.700	1.400	2.030	1.330	2.240	130-135	1	1316
140.0	1.960	1.190	1.680	1.050	1.890	2.520	1.890	2.800	135-140	1	1316
145.0	2.450	1.750	2.100	1.540	2.660	3.291	2.870	3.781	140-145	1	1317
150.0	3.221	2.660	2.730	2.240	3.921	4.691	4.341	5.601	145-150	1	1318
155.0	4.621	4.201	3.851	3.431	5.461	6.932	6.302	8.052	150-155	1	1319
160.0	6.372	6.442	5.671	5.461	7.212	9.173	8.192	10.01	155-160	1	1320
165.0	7.912	8.262	7.842	7.632	8.752	10.50	9.523	10.92	160-165	1	1322
170.0	8.612	8.402	9.103	8.542	9.593	10.57	10.29	10.36	165-170	1	1323
175.0	8.682	7.562	9.103	8.052	9.733	9.313	9.803	8.822	170-175	1	1324
180.0	9.033	7.702	8.892	7.632	9.173	8.052	8.682	7.982	175-180	0	1324
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

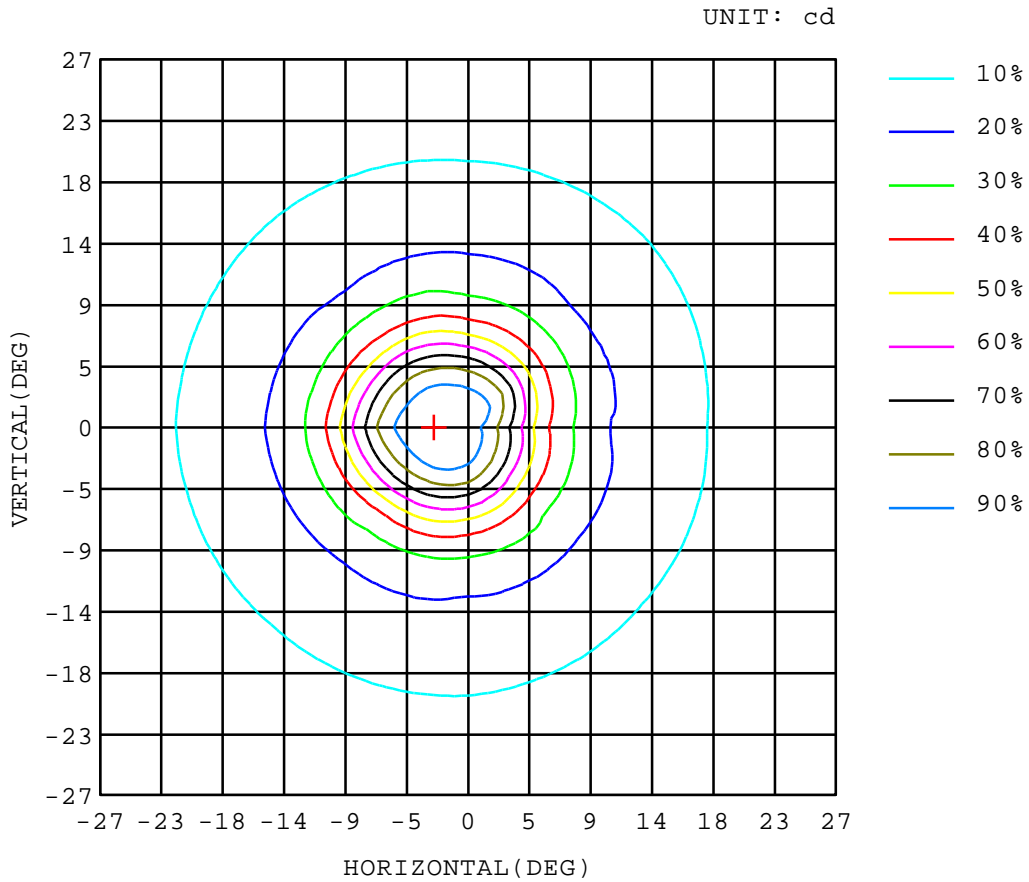
Test System:HOPOO
 Temperature:23DEG
 Operators:
 Test Date:06-06-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:45%
 Test Distance:8.368 m
 Remarks: SD-12-30K-SO-15-WH

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SD-12-30K-SO-15-WH	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 0.063X1X0.166	SERIAL No.:N/A



Test System:HOPOO
 Temperature:23DEG
 Operators:
 Test Date:06-06-2022

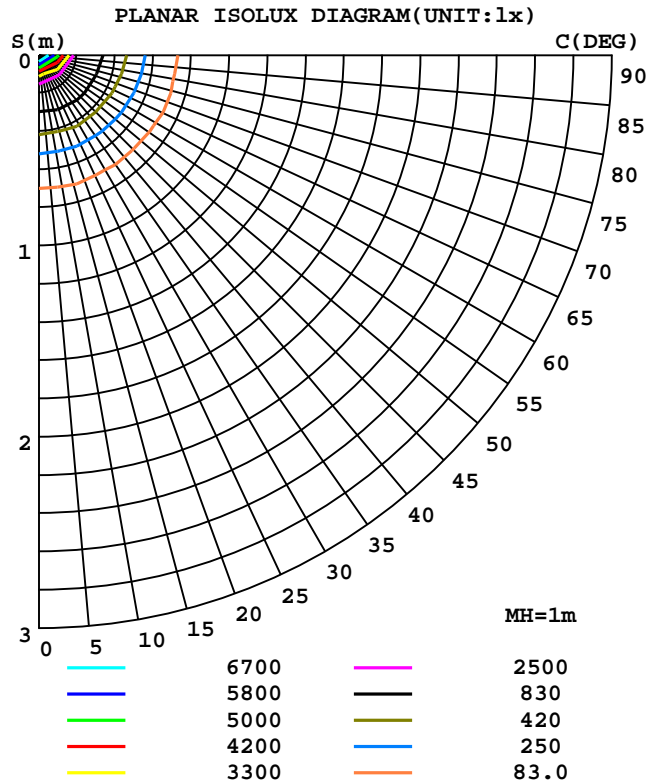
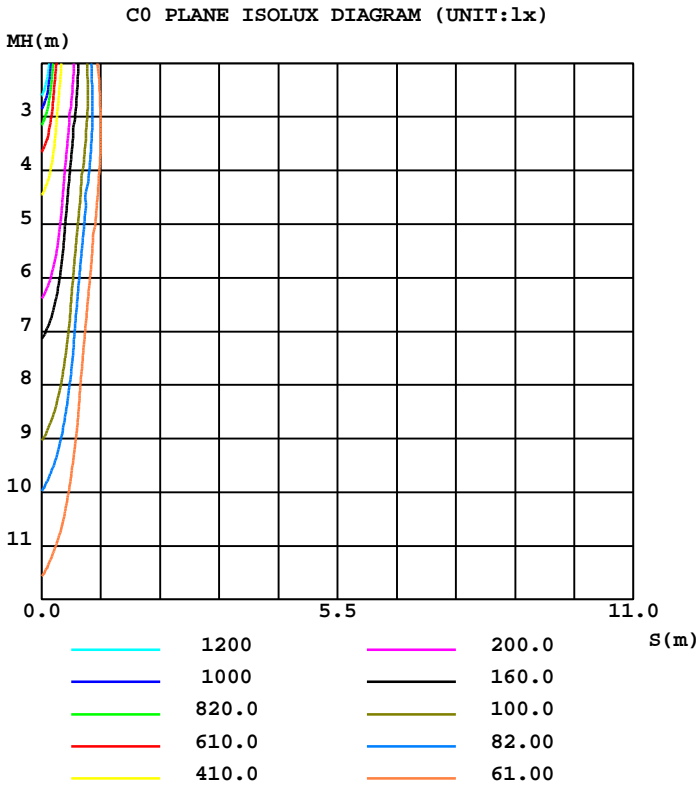
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:45%
 Test Distance:8.368 m
 Remarks: SD-12-30K-SO-15-WH

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: SD-12-30K-SO-15-WH	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 0.063X1X0.166	SERIAL No.:N/A



Test System:HOPOO
 Temperature:23DEG
 Operators:
 Test Date:06-06-2022

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:45%
 Test Distance:8.368 m
 Remarks: SD-12-30K-SO-15-WH

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: SD-12-30K-SO-15-WH	TYPE:	WEIGHT:N/A
SPECIFICATION:	DIMENSION: 0.063X1X0.166	SERIAL No.:N/A

UNIT: cd

C(DEG)\ γ (DEG)	0	45	90	135	180	225	270	315
0.0	8161	8219	8348	8451	8161	8219	8348	8451
5.0	4086	4726	5934	6975	7915	7145	6059	5247
10.0	1873	2020	2398	2777	3755	3007	2441	2207
15.0	1091	1160	1342	1470	1687	1532	1334	1256
20.0	668	713	832	880	990	926	816	769
25.0	434	445	518	546	600	573	513	493
30.0	261	274	340	350	396	383	337	305
35.0	150	148	166	188	240	215	170	166
40.0	98.8	95.5	111	116	129	126	99.9	108
45.0	64.5	61.6	73.5	76.6	85.3	85.0	64.9	72.0
50.0	43.7	41.3	43.2	49.9	54.7	58.2	38.7	49.7
55.0	31.2	28.4	27.3	33.4	36.2	40.6	22.3	35.2
60.0	23.6	18.9	17.6	21.8	25.4	28.9	13.1	24.5
65.0	18.6	12.0	11.4	14.0	19.0	19.5	7.49	16.3
70.0	14.2	5.95	6.09	7.35	14.7	11.9	3.15	9.38
75.0	10.7	1.96	5.25	2.87	10.7	6.58	2.38	5.04
80.0	7.28	1.54	4.48	1.75	7.49	4.48	1.89	4.13
85.0	3.99	0.77	3.29	1.19	4.34	3.64	1.12	3.22
90.0	2.17	0.00	2.03	0.00	1.33	2.38	0.07	2.10
95.0	1.96	0.07	1.89	0.00	0.35	2.03	0.07	1.96
100.0	1.82	0.00	1.68	0.07	0.35	1.82	0.14	1.82
105.0	1.75	0.14	1.68	0.14	0.35	1.75	0.14	1.68
110.0	1.61	0.21	1.54	0.14	0.49	1.68	0.21	1.61
115.0	1.47	0.21	1.40	0.21	0.49	1.61	0.35	1.54
120.0	1.47	0.28	1.40	0.28	0.70	1.54	0.49	1.61
125.0	1.54	0.42	1.33	0.35	0.84	1.61	0.63	1.68
130.0	1.61	0.56	1.40	0.49	1.05	1.75	0.91	1.82
135.0	1.68	0.84	1.47	0.70	1.40	2.03	1.33	2.24
140.0	1.96	1.19	1.68	1.05	1.89	2.52	1.89	2.80
145.0	2.45	1.75	2.10	1.54	2.66	3.29	2.87	3.78
150.0	3.22	2.66	2.73	2.24	3.92	4.69	4.34	5.60
155.0	4.62	4.20	3.85	3.43	5.46	6.93	6.30	8.05
160.0	6.37	6.44	5.67	5.46	7.21	9.17	8.19	10.0
165.0	7.91	8.26	7.84	7.63	8.75	10.5	9.52	10.9
170.0	8.61	8.40	9.10	8.54	9.59	10.5	10.2	10.3
175.0	8.68	7.56	9.10	8.05	9.73	9.31	9.80	8.82
180.0	9.03	7.70	8.89	7.63	9.17	8.05	8.68	7.98

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 Operators:
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