

GONIOPHOTOMETERS SYSTEM TEST REPORT

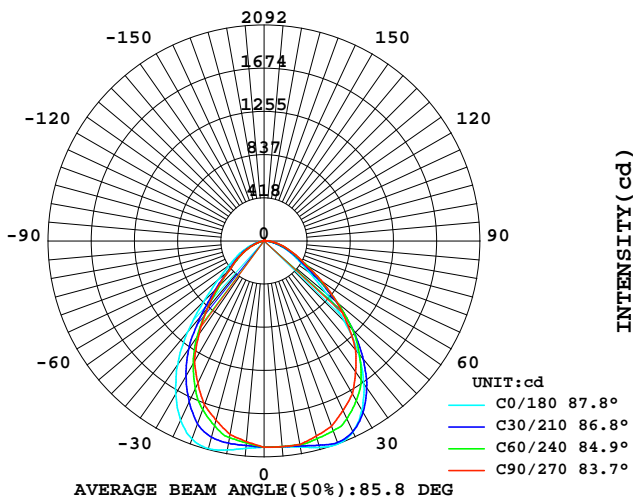
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 2017102411

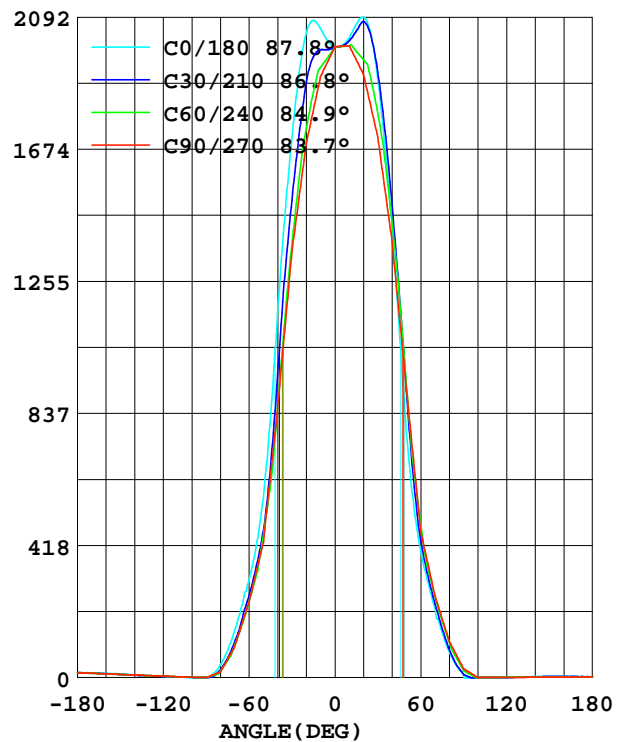
MANUFACTURER: SGSLight Limited		Address:	
NAME: TLP-6060-38-NW-110V-NU-IP65		TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>90		DIMENSION: 596x596mm	SERIAL No.:2017102411

DATA OF LAMP		Imax(cd)	2092	S/MH(C0/180)	1.20
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.05
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	4091.5	Voltage(V)	219.0
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	108.8	Current(A)	0.179
NOMINAL FLUX(lm)	4091.5	η up(%)	0.6	Power(W)	37.59
LAMPS QUANTITY	1	η down(%)	99.4	Power Factor(PF)	0.968
TEST VOLTAGE(V)	219.0	Effective Flux(lm)	3881.1	EEI	0.132

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-10-24

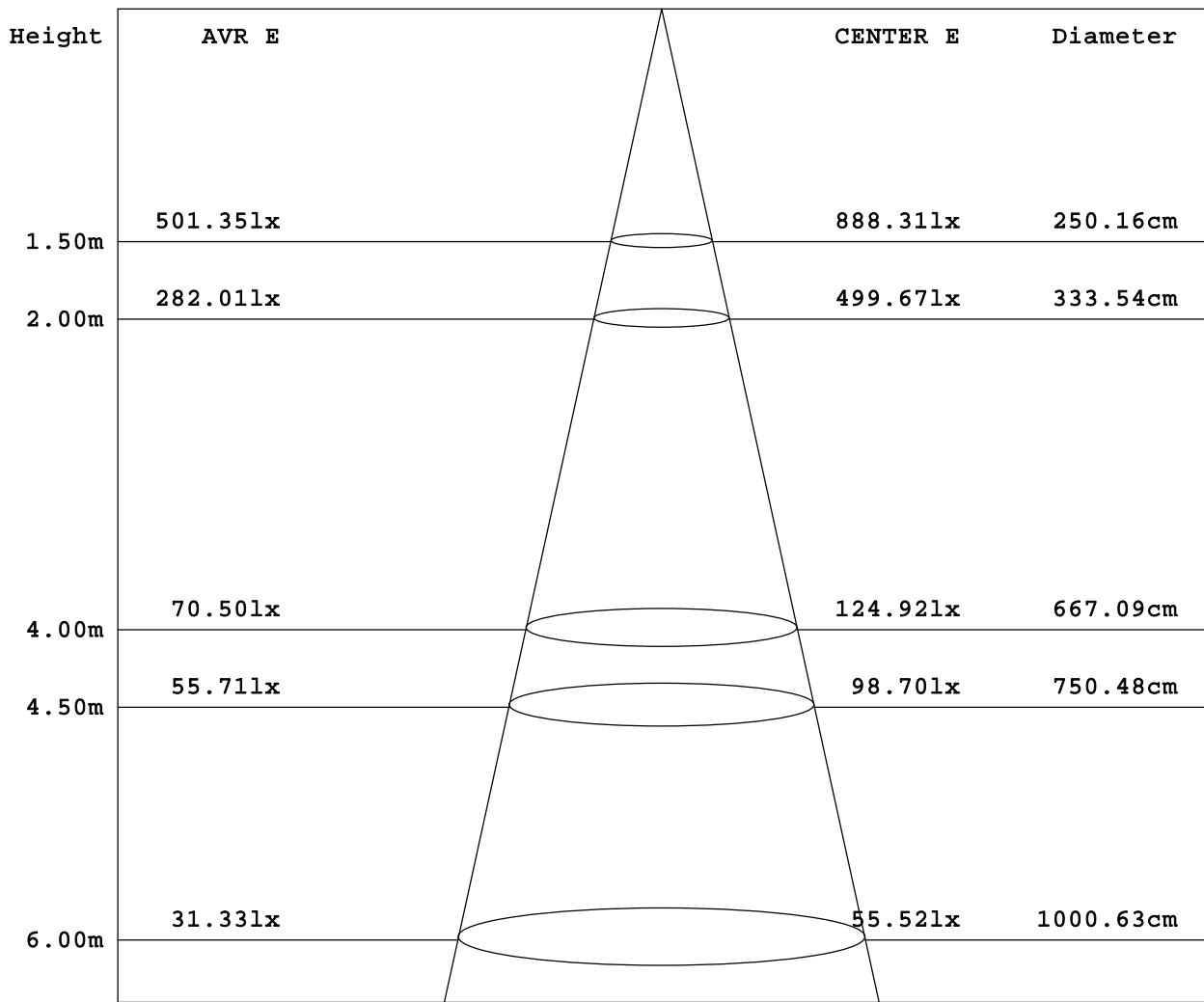
Test Set: 8.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

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MANUFACTURER: SGSLight Limited	Address:	
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SPECIFICATION:4000K CRI>90	DIMENSION: 596x596mm	SERIAL No.:2017102411



Angle:79.6deg

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-10-24

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ZONAL FLUX DIAGRAM

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MANUFACTURER: SGSLight Limited	Address:	
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SPECIFICATION:4000K CRI>90	DIMENSION: 596x596mm	SERIAL No.:2017102411

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2018	1976	1951	1965	2003	2000	2000	2011	0- 5	47.62	47.62
10.0	2055	1959	1904	1938	2027	2009	2002	2036	5- 10	142.3	189.9
15.0	2082	1918	1798	1905	2070	2022	1957	2057	10- 15	235.0	425.0
20.0	2041	1800	1692	1821	2092	2011	1911	2019	15- 20	320.9	745.9
25.0	1915	1648	1521	1708	2041	1977	1812	1941	20- 25	392.4	1138
30.0	1713	1439	1350	1545	1897	1868	1713	1796	25- 30	440.0	1578
35.0	1459	1171	1102	1336	1682	1698	1547	1598	30- 35	458.2	2037
40.0	1160	877.6	853.7	1092	1430	1496	1381	1374	35- 40	442.1	2479
45.0	826.0	638.0	640.7	808.6	1103	1216	1148	1092	40- 45	394.1	2873
50.0	571.7	447.7	427.6	552.5	777.0	908.2	915.5	808.7	45- 50	324.3	3197
55.0	416.8	336.7	334.0	415.0	551.2	654.5	689.0	584.0	50- 55	252.8	3450
60.0	310.1	243.3	240.5	302.4	401.2	457.5	462.5	415.9	55- 60	195.2	3646
65.0	228.0	170.1	168.9	220.1	301.2	339.3	360.4	314.9	60- 65	149.3	3795
70.0	149.5	106.7	97.40	145.6	219.5	244.4	258.3	232.0	65- 70	112.0	3907
75.0	85.40	54.05	57.65	80.81	143.2	165.6	186.5	162.1	70- 75	77.58	3984
80.0	40.39	23.07	17.90	39.46	80.69	102.0	114.6	101.9	75- 80	48.26	4033
85.0	11.50	4.967	9.000	12.30	38.70	51.90	71.20	54.51	80- 85	25.05	4058
90.0	0.500	0	0.100	0	11.20	15.99	27.80	20.79	85- 90	10.51	4068
95.0	0	0.564	0.600	0.353	0	4.740	13.90	6.148	90- 95	3.113	4071
100.0	0	1.154	1.100	1.020	0	0.115	0	0	95-100	0.909	4072
105.0	1.199	1.767	2.000	1.996	0	0.323	0.150	0	100-105	0.475	4073
110.0	2.100	2.497	2.900	2.840	0	0.689	0.300	0	105-110	0.707	4074
115.0	2.900	3.240	3.800	3.676	0	0.936	0.450	0	110-115	0.924	4074
120.0	3.800	3.892	4.700	4.762	0	1.461	0.600	0	115-120	1.129	4076
125.0	5.400	4.928	5.599	5.560	0.800	1.735	0.750	0.210	120-125	1.339	4077
130.0	6.300	5.845	6.500	6.681	1.600	1.993	0.900	0.399	125-130	1.505	4078
135.0	7.200	6.815	7.400	7.510	1.600	2.236	1.050	0.447	130-135	1.631	4080
140.0	8.900	7.904	8.299	8.690	3.200	2.465	1.200	0.970	135-140	1.742	4082
145.0	10.50	8.643	9.199	9.890	3.999	2.682	1.350	1.073	140-145	1.791	4084
150.0	11.39	10.10	10.09	10.72	3.999	2.889	1.500	1.155	145-150	1.759	4085
155.0	12.20	10.98	10.99	11.08	3.999	3.087	1.650	1.474	150-155	1.663	4087
160.0	13.10	11.59	11.89	12.14	3.999	2.625	1.800	1.411	155-160	1.489	4088
165.0	13.89	12.87	12.79	13.46	3.999	3.463	1.950	1.808	160-165	1.251	4090
170.0	14.70	14.18	13.69	14.77	3.999	2.915	2.100	1.557	165-170	0.957	4091
175.0	14.70	14.86	14.59	14.86	2.400	2.650	2.250	2.340	170-175	0.601	4091
180.0	15.49	15.49	15.49	15.49	2.400	2.400	2.400	2.400	175-180	0.209	4092
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
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 Operators:Jason
 Test Date:2017-10-24

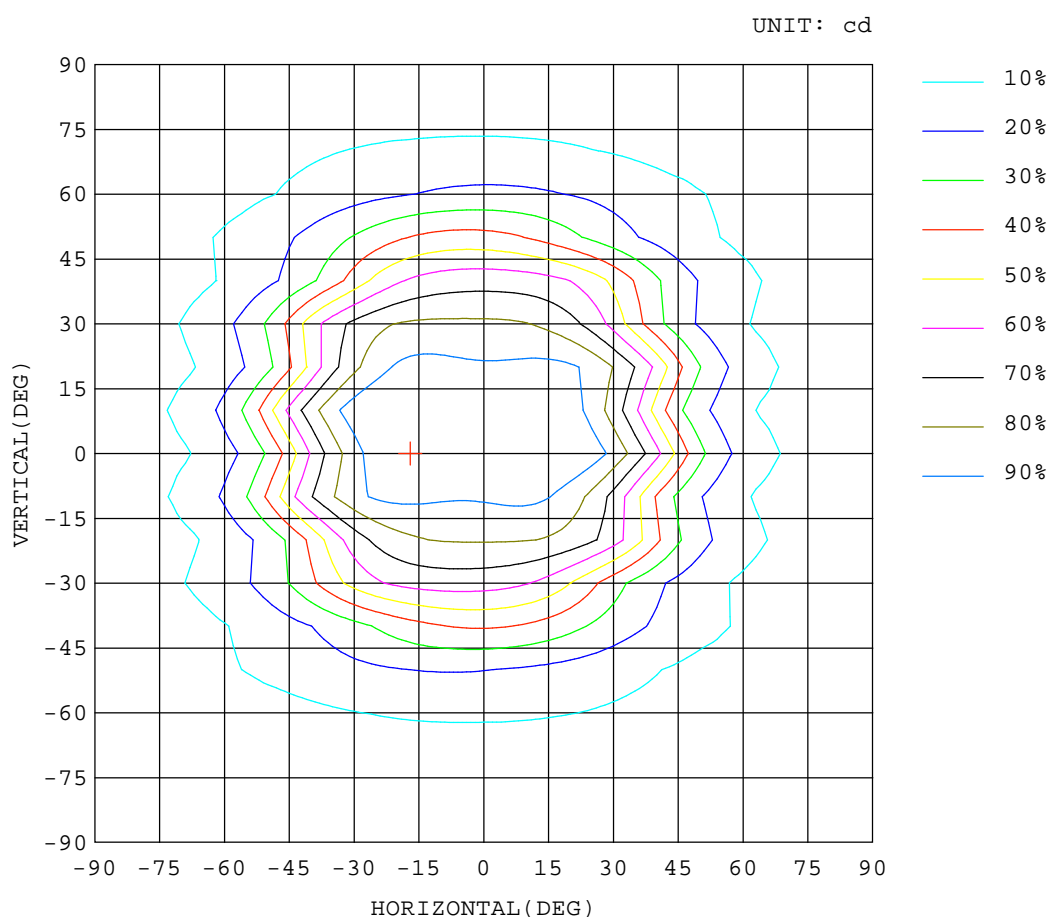
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 Remarks:

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ISOCANDELA DIAGRAM

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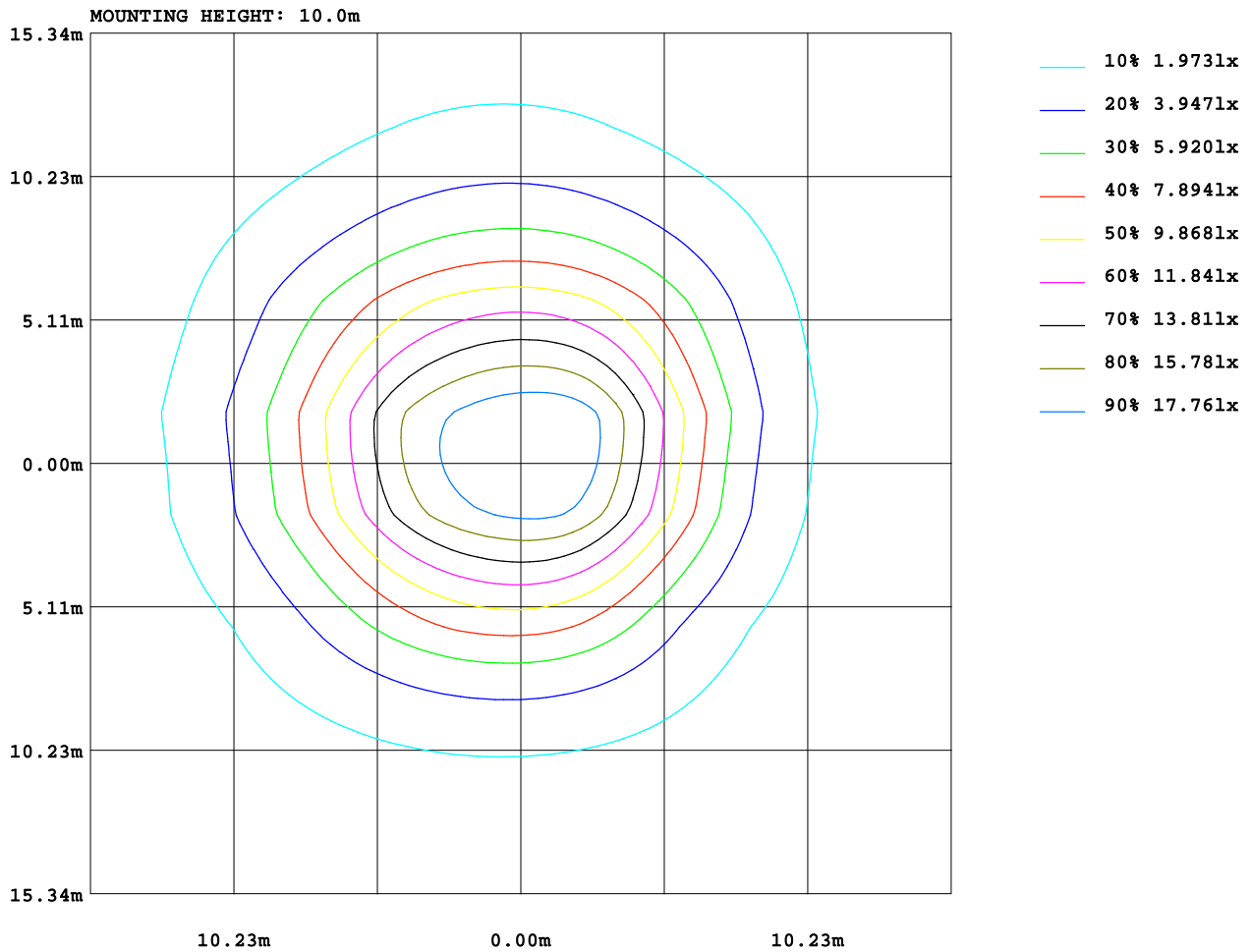
Test Set: 8.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

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ISOLUX DIAGRAM

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SPECIFICATION:4000K CRI>90	DIMENSION: 596x596mm	SERIAL No.:2017102411



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 Operators:Jason
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Uncorrected UGR Table

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MANUFACTURER: SGSLight Limited						Address:				
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SPECIFICATION:4000K CRI>90						DIMENSION: 596x596mm			SERIAL No.:2017102411	
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	13.5	14.8	13.7	15.0	15.2	12.5	13.8	12.8	14.0	14.2
3H	14.1	15.3	14.3	15.5	15.7	12.9	14.2	13.2	14.4	14.6
4H	14.2	15.4	14.5	15.6	15.9	13.0	14.2	13.3	14.4	14.7
6H	14.3	15.3	14.6	15.6	15.9	13.0	14.1	13.4	14.4	14.6
8H	14.2	15.3	14.6	15.6	15.9	13.0	14.0	13.3	14.3	14.6
12H	14.2	15.2	14.6	15.5	15.8	13.0	13.9	13.3	14.2	14.5
4H 2H	13.6	14.7	13.9	15.0	15.2	12.7	13.9	13.0	14.1	14.4
3H	14.3	15.3	14.6	15.6	15.9	13.3	14.3	13.6	14.6	14.9
4H	14.5	15.4	14.8	15.7	16.0	13.4	14.3	13.8	14.7	15.0
6H	14.6	15.4	15.0	15.7	16.1	13.4	14.2	13.8	14.6	15.0
8H	14.6	15.3	15.0	15.7	16.1	13.4	14.2	13.8	14.5	14.9
12H	14.5	15.2	15.0	15.6	16.0	13.4	14.1	13.8	14.5	14.9
8H 4H	14.4	15.2	14.8	15.5	15.9	13.4	14.2	13.8	14.5	14.9
6H	14.6	15.2	15.0	15.6	16.0	13.5	14.1	13.9	14.5	14.9
8H	14.6	15.1	15.0	15.5	16.0	13.5	14.0	13.9	14.4	14.9
12H	14.6	15.0	15.0	15.5	16.0	13.5	13.9	13.9	14.4	14.9
12H 4H	14.4	15.1	14.8	15.5	15.9	13.4	14.1	13.8	14.5	14.9
6H	14.5	15.1	15.0	15.5	16.0	13.4	14.0	13.9	14.4	14.9
8H	14.5	15.0	15.0	15.5	15.9	13.4	13.9	13.9	14.4	14.8
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 0.9					+ 0.8 / - 1.0				
1.5H	+ 1.5 / - 0.9					+ 0.9 / - 0.8				
2.0H	+ 2.3 / - 1.2					+ 1.6 / - 1.2				

CIE Pub.117 Corrected 4092 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.9)

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 Operators:Jason
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