

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

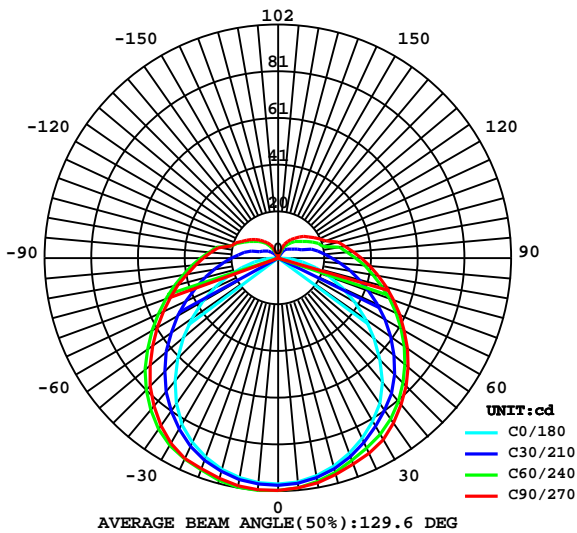
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: PX48-SR-RGBW-SO-F

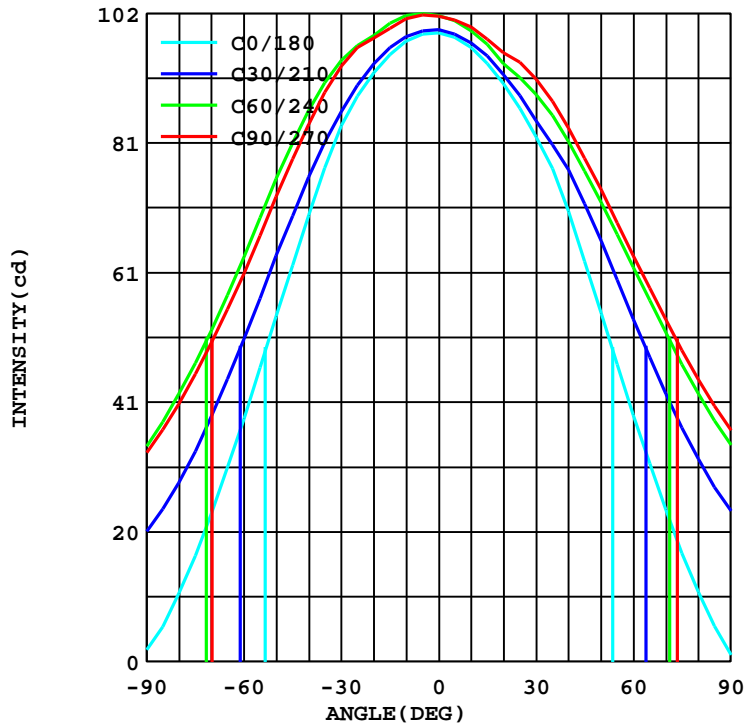
MANUFACTURER:		Address:		
NAME: PX48-SR-RGBW-SO-F		TYPE:Plexineon RGB	WEIGHT:N/A	
SPECIFICATION:17-LLSRGBW18-30K		DIMENSION: .12X4X.033	SERIAL No.:N/A	

DATA OF LAMP		Imax(cd)	101.6	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.37
NOMINAL POWER(W)	22	TOTAL FLUX(lm)	433.52	Voltage(V)	23.98
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	20.0	Current(A)	0.906
NOMINAL FLUX(lm)	433.5	η up(%)	16.4	Power(W)	21.73
LAMPS QUANTITY	1	η down(%)	83.6	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	420.8	EEL	0.562

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



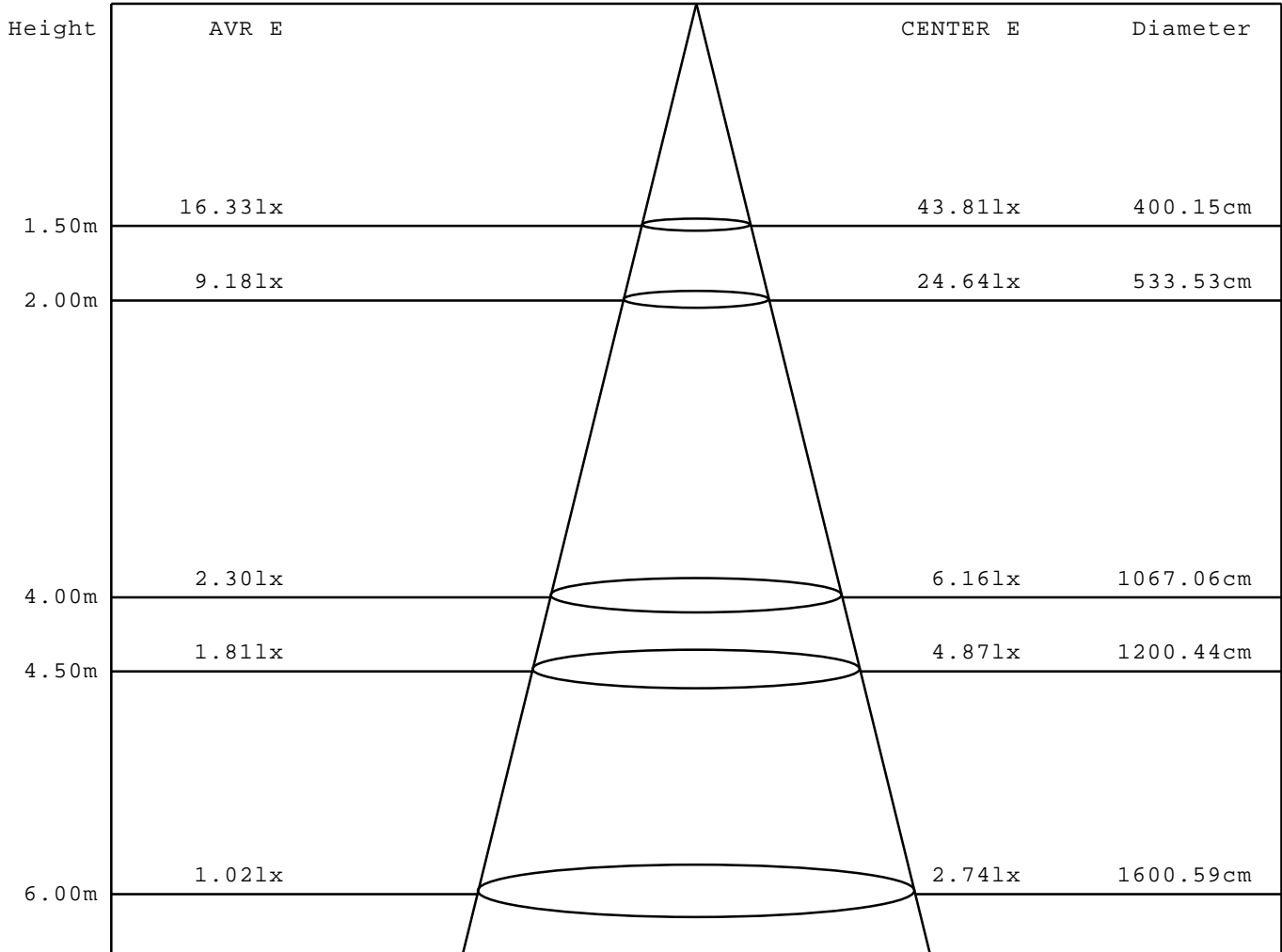
Test System:HOPOO
 Temperature:25.3DEG
 Operators:
 Test Date:02-15-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:8.367 m
 Remarks: PX48-SR-RGBW-SO-F ALL ON

AVERAGE AND CENTER E Figure

Report number: PX48-SR-RGBW-SO-F

MANUFACTURER:	Address:	
NAME: PX48-SR-RGBW-SO-F	TYPE:Plexineon RGB	WEIGHT:N/A
SPECIFICATION:17-LLSRGBW18-30K	DIMENSION: .12X4X.033	SERIAL No.:N/A



Angle:106.3deg

Test System:HOPOO
 Temperature:25.3DEG
 Operators:
 Test Date:02-15-2023

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ZONAL FLUX DIAGRAM

Report number: PX48-SR-RGBW-SO-F

MANUFACTURER:	Address:	
NAME: PX48-SR-RGBW-SO-F	TYPE:Plexineon RGB	WEIGHT:N/A
SPECIFICATION:17-LLSRGBW18-30K	DIMENSION: .12X4X.033	SERIAL No.:N/A

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total
10.0	97.23	99.65	100.8	95.97	96.25	97.97	99.47	94.33	0- 10	9.369	9.369
20.0	92.33	95.94	97.79	92.61	90.65	92.93	95.48	89.74	10- 20	27.02	36.39
30.0	84.00	90.27	93.38	87.78	82.32	86.91	91.35	84.28	20- 30	41.83	78.23
40.0	70.00	81.24	84.28	80.54	70.63	79.28	83.58	77.56	30- 40	52.25	130.4
50.0	54.11	69.65	72.87	69.69	54.67	68.99	73.99	68.39	40- 50	56.62	187.1
60.0	38.08	57.02	60.83	57.51	38.71	57.79	63.63	57.54	50- 60	54.86	241.9
70.0	23.24	45.18	49.98	45.92	23.87	46.79	53.62	46.69	60- 70	48.71	290.6
80.0	10.64	35.03	40.39	35.98	10.92	36.85	44.24	36.85	70- 80	40.21	330.9
90.0	1.890	27.09	32.76	27.93	1.050	28.80	36.26	28.80	80- 90	31.32	362.2
100.0	1.120	21.24	26.81	21.80	0.350	22.54	29.89	22.71	90-100	24.07	386.3
110.0	0.980	13.89	19.60	14.45	0.140	14.87	22.05	15.36	100-110	17.04	403.3
120.0	0.630	10.50	15.96	11.16	0.210	11.41	18.20	11.69	110-120	11.72	415.0
130.0	0.560	7.840	12.81	8.715	0.280	8.995	14.84	8.995	120-130	8.296	423.3
140.0	0.560	5.460	9.730	6.650	0.350	6.895	11.55	6.685	130-140	5.534	428.9
150.0	0.560	3.220	6.930	4.130	0.420	3.605	8.540	3.675	140-150	3.073	431.9
160.0	0.560	0.560	1.400	1.015	0.490	0.735	4.340	1.435	150-160	1.246	433.2
170.0	0.560	0.595	0.350	0.665	0.560	0.490	0.910	0.490	160-170	0.243	433.4
180.0	0.560	0.525	0.420	0.560	0.630	0.525	0.770	0.525	170-180	0.054	433.5
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

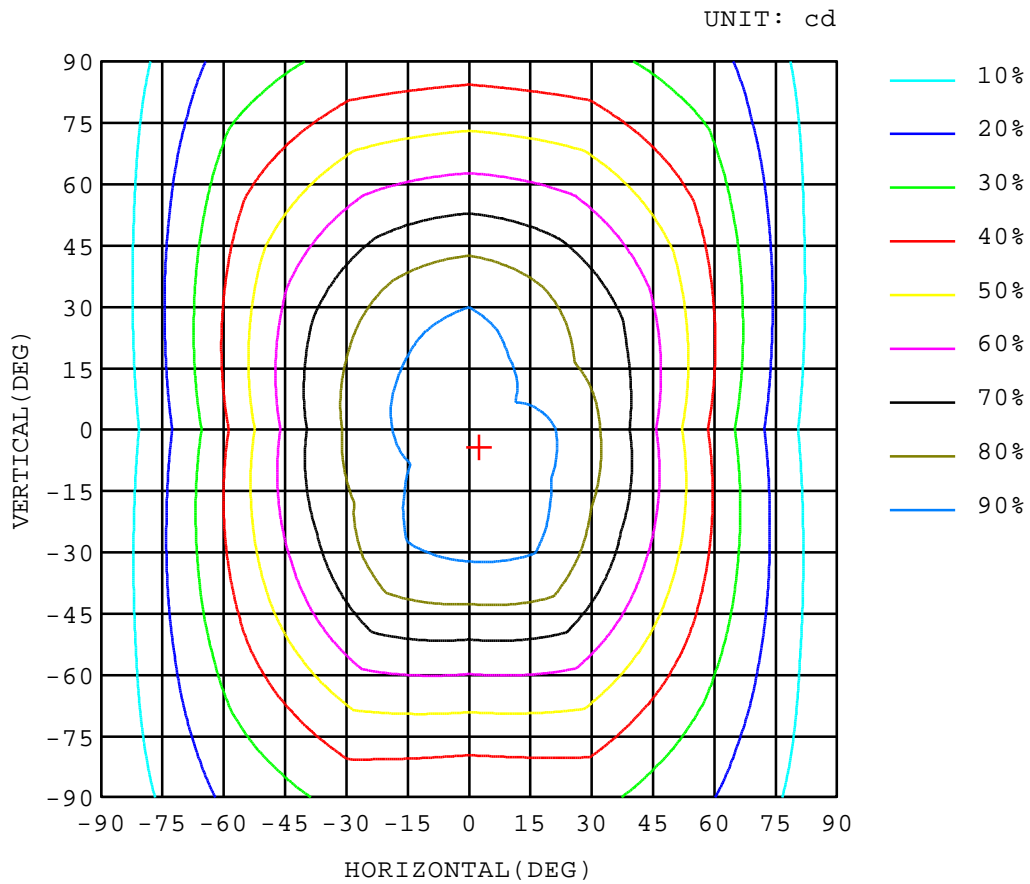
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ISOCANDELA DIAGRAM

Report number: PX48-SR-RGBW-SO-F

MANUFACTURER:	Address:	
NAME: PX48-SR-RGBW-SO-F	TYPE:Plexineon RGB	WEIGHT:N/A
SPECIFICATION:17-LLSRGBW18-30K	DIMENSION: .12X4X.033	SERIAL No.:N/A



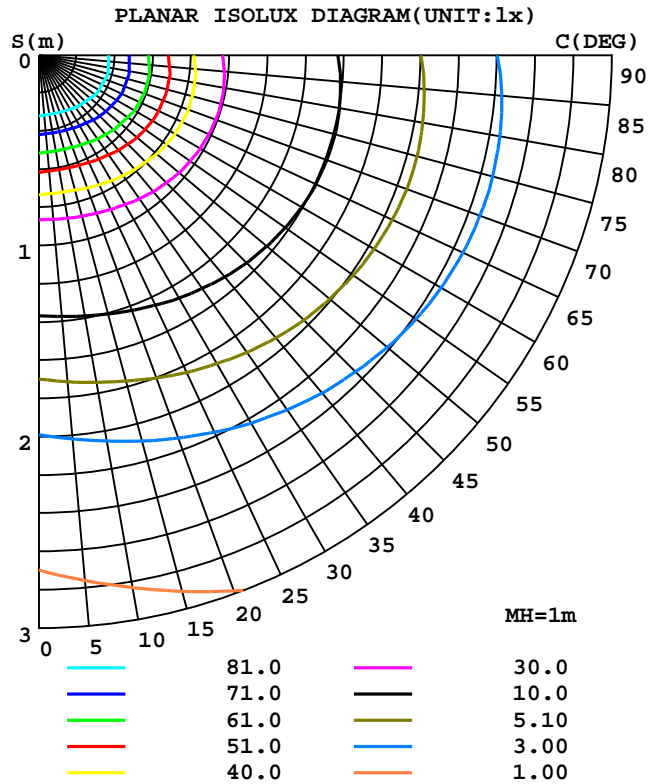
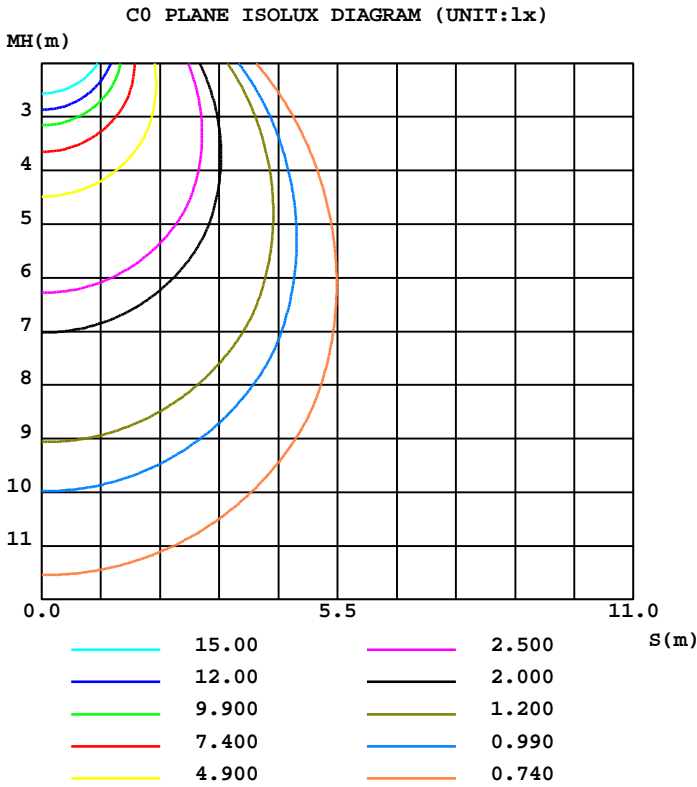
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ISOLUX DIAGRAM

Report number: PX48-SR-RGBW-SO-F

MANUFACTURER:	Address:	
NAME: PX48-SR-RGBW-SO-F	TYPE:Plexineon RGB	WEIGHT:N/A
SPECIFICATION:17-LLSRGBW18-30K	DIMENSION: .12X4X.033	SERIAL No.:N/A



Test System:HOPOO
 Temperature:25.3DEG
 Operators:
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Test Set: 5.0deg/s C-Gamma (TYPE C)
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: PX48-SR-RGBW-SO-F

MANUFACTURER:	Address:	
NAME: PX48-SR-RGBW-SO-F	TYPE:Plexineon RGB	WEIGHT:N/A
SPECIFICATION:17-LLSRGBW18-30K	DIMENSION: .12X4X.033	SERIAL No.:N/A

UNIT: cd

C(DEG)\ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	98.5	99.1	101	101	98.1	94.5	98.5	99.1	101	101	98.1	94.5
5.0	98.3	98.9	102	101	98.4	94.5	97.8	98.4	100	101	97.3	93.9
10.0	97.2	98.0	101	101	98.2	93.7	96.2	97.0	98.9	99.4	96.0	92.6
15.0	95.2	96.2	100	99.3	97.1	92.1	93.8	94.9	96.7	97.5	94.0	90.5
20.0	92.3	93.7	98.1	97.7	95.3	89.8	90.6	92.0	93.8	95.4	91.4	88.0
25.0	88.6	90.3	96.5	96.3	94.1	86.9	86.7	88.7	91.5	93.9	89.4	84.9
30.0	84.0	86.2	94.2	93.3	92.1	83.3	82.3	84.8	88.9	91.3	87.1	81.4
35.0	77.4	81.4	90.7	89.2	89.1	79.8	77.3	80.9	85.6	87.8	84.0	78.0
40.0	70.0	76.0	86.4	84.2	85.1	75.8	70.6	77.0	81.4	83.5	80.2	74.9
45.0	62.1	69.9	81.3	78.8	80.5	70.1	62.7	71.7	76.9	78.8	76.0	71.0
50.0	54.1	63.6	75.6	72.8	75.3	64.0	54.6	65.9	72.0	73.9	71.4	65.3
55.0	46.1	56.9	69.5	66.7	69.6	57.6	46.6	59.8	66.9	68.7	66.6	59.2
60.0	38.0	50.6	63.4	60.8	63.5	51.4	38.7	53.7	61.8	63.6	61.7	53.3
65.0	30.4	44.3	57.4	55.2	57.7	45.3	31.0	47.7	56.6	58.5	56.7	47.4
70.0	23.2	38.4	51.9	49.9	52.2	39.6	23.8	42.0	51.5	53.6	51.5	41.7
75.0	16.5	32.9	46.7	45.0	47.1	34.3	17.0	36.6	46.6	48.8	46.6	36.5
80.0	10.6	28.0	42.0	40.3	42.4	29.5	10.9	31.7	42.0	44.2	42.0	31.6
85.0	5.46	23.9	37.5	36.3	37.9	25.4	5.60	27.3	37.8	40.0	37.8	27.3
90.0	1.89	20.4	33.7	32.7	34.0	21.7	1.05	23.6	33.9	36.2	33.9	23.6
95.0	1.26	17.5	30.3	29.6	30.6	18.6	0.35	20.5	30.4	32.9	30.5	20.5
100.0	1.12	15.1	27.3	26.8	27.5	16.0	0.35	17.7	27.3	29.8	27.5	17.9
105.0	1.05	12.3	21.2	21.1	21.5	12.2	0.21	15.1	20.3	27.1	20.8	15.4
110.0	0.98	8.68	19.1	19.6	19.3	9.52	0.14	10.9	18.8	22.0	19.1	11.5
115.0	0.77	7.49	16.5	17.7	16.5	8.40	0.21	9.38	16.8	20.0	17.0	9.73
120.0	0.63	6.37	14.6	15.9	14.9	7.35	0.21	8.26	14.5	18.2	14.8	8.54
125.0	0.63	5.39	13.0	14.3	13.4	6.23	0.28	7.21	13.0	16.4	13.1	7.21
130.0	0.56	4.27	11.4	12.8	11.9	5.53	0.28	6.44	11.5	14.8	11.7	6.23
135.0	0.56	3.36	10.0	11.2	10.5	4.83	0.35	5.53	10.3	13.2	10.4	4.97
140.0	0.56	2.31	8.61	9.73	9.17	4.13	0.35	4.76	9.03	11.5	9.17	4.20
145.0	0.56	0.56	6.65	8.26	8.05	0.84	0.42	3.22	7.77	9.94	7.56	3.08
150.0	0.56	1.33	5.11	6.93	6.72	1.54	0.42	0.84	6.37	8.54	5.74	1.61
155.0	0.56	0.21	2.94	5.46	4.76	0.28	0.42	1.05	4.90	6.93	4.20	1.47
160.0	0.56	0.21	0.91	1.40	1.68	0.35	0.49	0.77	0.70	4.34	2.03	0.84
165.0	0.56	0.28	0.84	0.98	0.84	0.35	0.49	0.77	1.54	0.98	1.05	0.70
170.0	0.56	0.28	0.91	0.35	0.98	0.35	0.56	0.70	0.28	0.91	0.35	0.63
175.0	0.56	0.28	0.77	0.35	0.77	0.42	0.56	0.70	0.35	0.91	0.42	0.63
180.0	0.56	0.35	0.70	0.42	0.70	0.42	0.63	0.63	0.42	0.77	0.49	0.56

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 Remarks: PX48-SR-RGBW-SO-F ALL ON