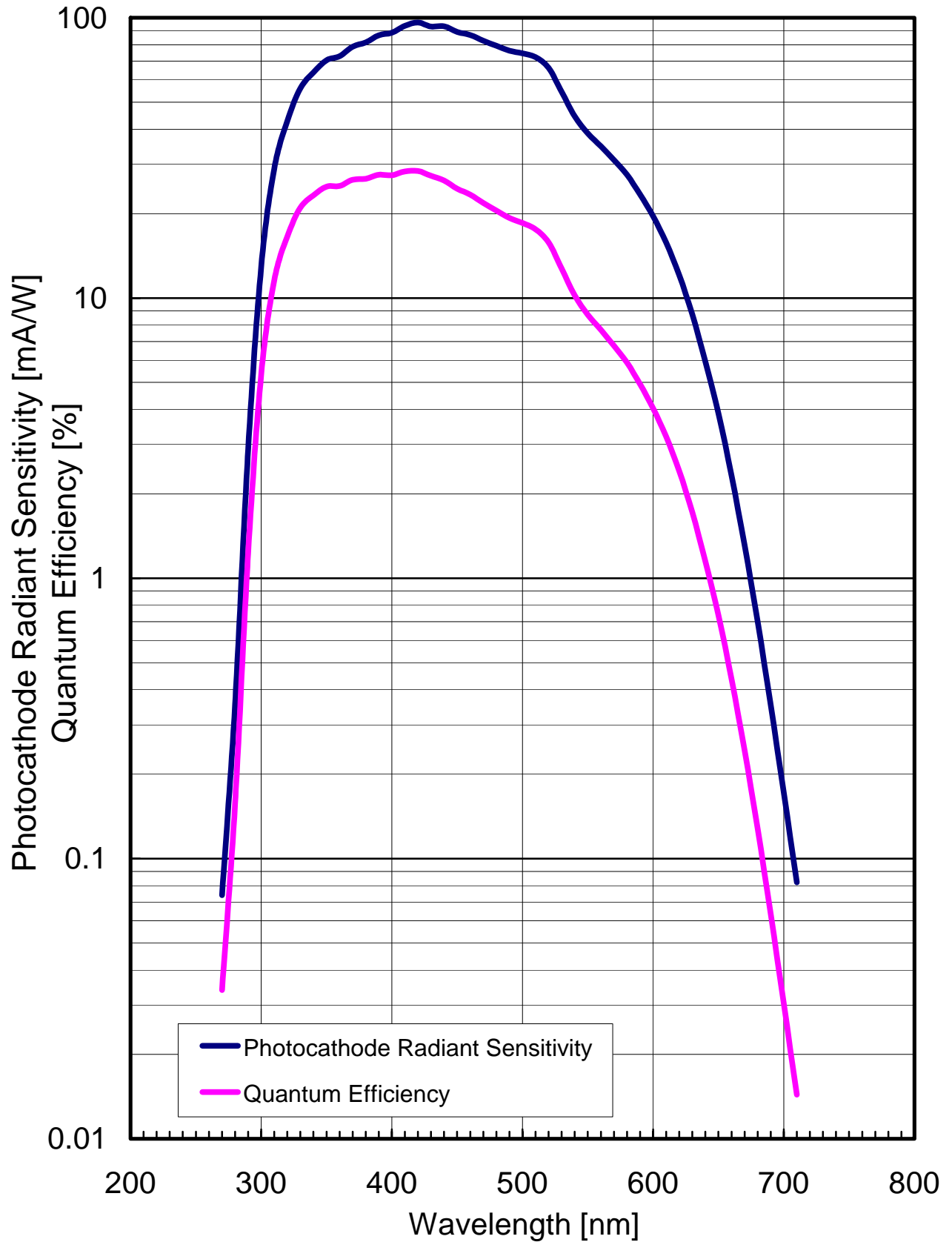


Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA1895
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Max. Q.E. 28.4 %
Wavelength of max. 420 nm



Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA1895
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Cathode Radiant Sensitivity [mA/W]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.07	0.36	2.87
300	12.88	28.86	42.76	55.92	63.76	70.49	72.89	78.84	81.69	86.50
400	88.39	93.53	96.17	93.03	93.16	89.04	86.70	82.79	79.42	76.25
500	74.71	72.37	66.24	54.48	44.53	38.60	34.77	31.08	27.50	23.43
600	19.55	15.77	12.07	8.75	5.94	3.85	2.32	1.31	0.70	0.35
700	0.17	0.08								

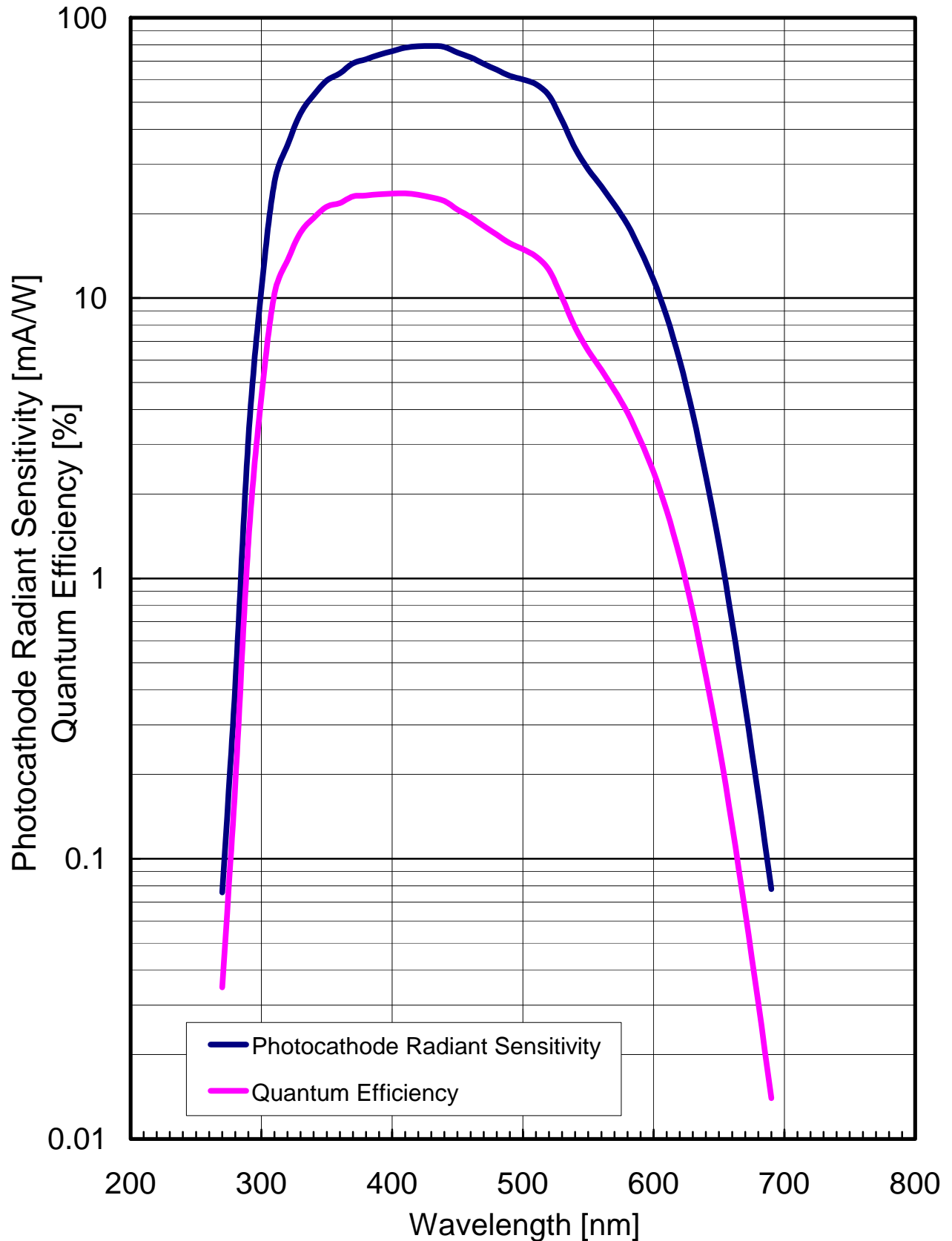
Quantum Efficiency [%]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.03	0.16	1.23
300	5.32	11.54	16.56	21.00	23.24	24.96	25.11	26.42	26.64	27.50
400	27.40	28.29	28.39	27.33	26.25	24.52	23.36	21.83	20.51	19.29
500	18.52	17.59	15.79	12.74	10.22	8.70	7.70	6.76	5.88	4.92
600	4.04	3.20	2.41	1.72	1.15	0.73	0.43	0.24	0.13	0.06
700	0.03	0.01								

Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2026
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Max. Q.E. 23.7 %
Wavelength of max. 410 nm



Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2026
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Cathode Radiant Sensitivity [mA/W]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.08	0.42	3.12
300	10.71	25.91	35.11	45.60	52.98	59.80	63.40	68.77	71.16	73.77
400	76.03	78.17	79.16	79.25	78.75	75.03	72.23	68.55	65.26	62.02
500	60.30	57.91	52.78	42.97	34.23	28.72	25.02	21.54	18.27	14.74
600	11.58	8.59	5.98	3.86	2.32	1.32	0.70	0.35	0.17	0.08

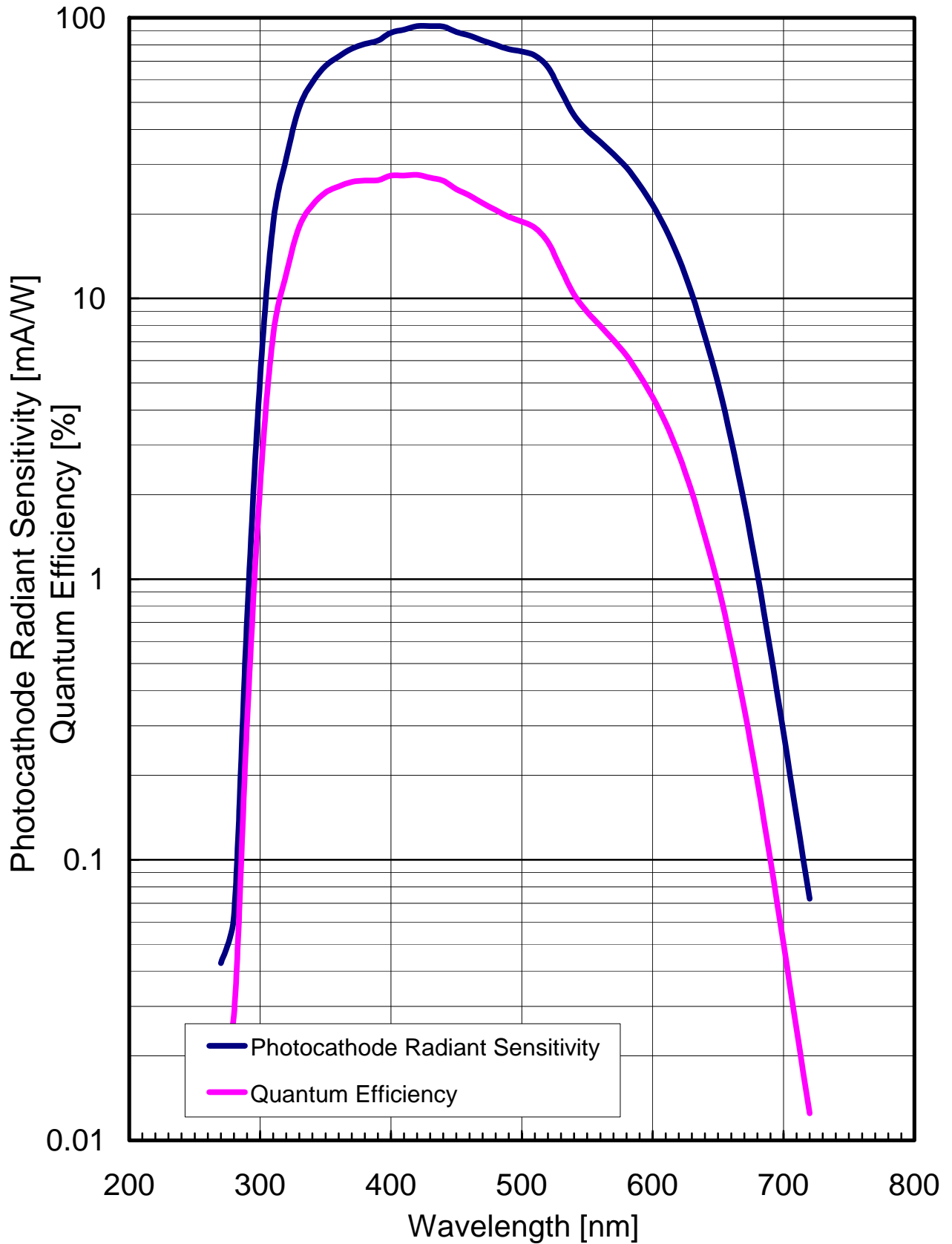
Quantum Efficiency [%]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.03	0.18	1.33
300	4.43	10.36	13.60	17.13	19.31	21.18	21.83	23.04	23.21	23.46
400	23.57	23.64	23.37	22.85	22.19	20.67	19.46	18.08	16.85	15.69
500	14.95	14.07	12.58	10.05	7.86	6.47	5.54	4.68	3.91	3.10
600	2.39	1.75	1.20	0.76	0.45	0.25	0.13	0.06	0.03	0.01

Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2086
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Max. Q.E. 27.6 %
Wavelength of max. 420 nm



Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2086
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Cathode Radiant Sensitivity [mA/W]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.04	0.06	0.72
300	5.18	18.51	31.60	47.96	58.87	67.45	72.84	77.69	80.63	82.97
400	88.40	90.67	93.41	93.41	93.09	88.93	86.41	82.91	80.04	77.24
500	75.78	73.42	66.67	54.64	44.98	39.63	36.08	32.66	29.29	25.34
600	21.51	17.69	13.91	10.38	7.31	4.95	3.12	1.86	1.04	0.55
700	0.28	0.14	0.07							

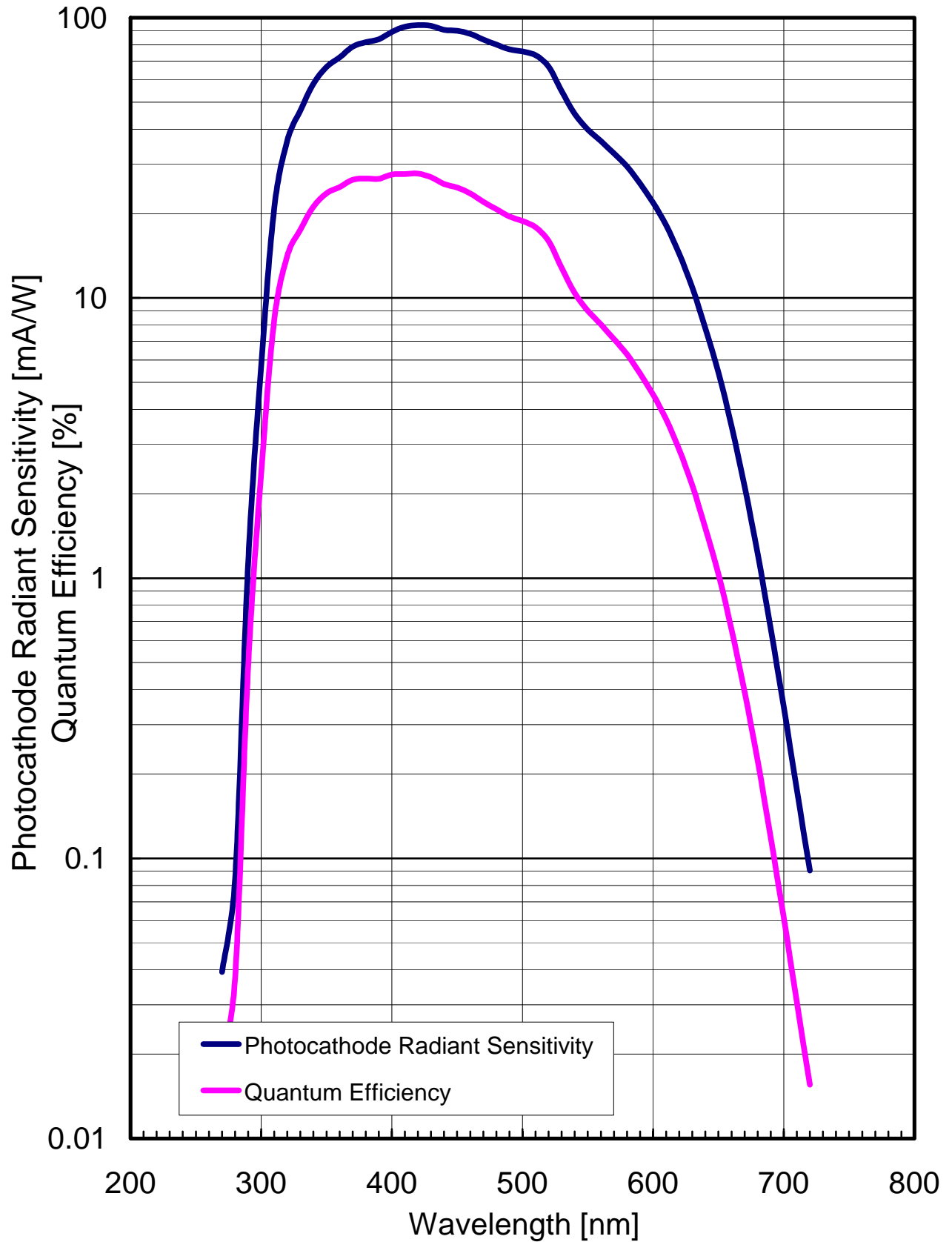
Quantum Efficiency [%]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.02	0.03	0.31
300	2.14	7.40	12.24	18.01	21.46	23.89	25.08	26.03	26.30	26.38
400	27.39	27.42	27.58	26.94	26.23	24.50	23.28	21.87	20.67	19.54
500	18.79	17.84	15.89	12.78	10.32	8.93	7.99	7.10	6.26	5.32
600	4.44	3.59	2.78	2.04	1.42	0.94	0.59	0.34	0.19	0.10
700	0.05	0.02	0.01							

Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2146
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Max. Q.E. 27.8 %
Wavelength of max. 420 nm



Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2146
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Cathode Radiant Sensitivity [mA/W]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.04	0.08	1.13
300	5.72	20.89	36.45	46.59	58.02	66.77	72.17	78.87	81.80	83.79
400	89.03	92.77	94.08	93.52	90.47	89.86	87.58	83.61	80.29	77.16
500	75.83	73.55	66.97	54.81	45.37	39.86	36.32	32.79	29.45	25.59
600	21.85	18.16	14.38	10.90	7.80	5.40	3.48	2.12	1.22	0.66
700	0.35	0.18	0.09							

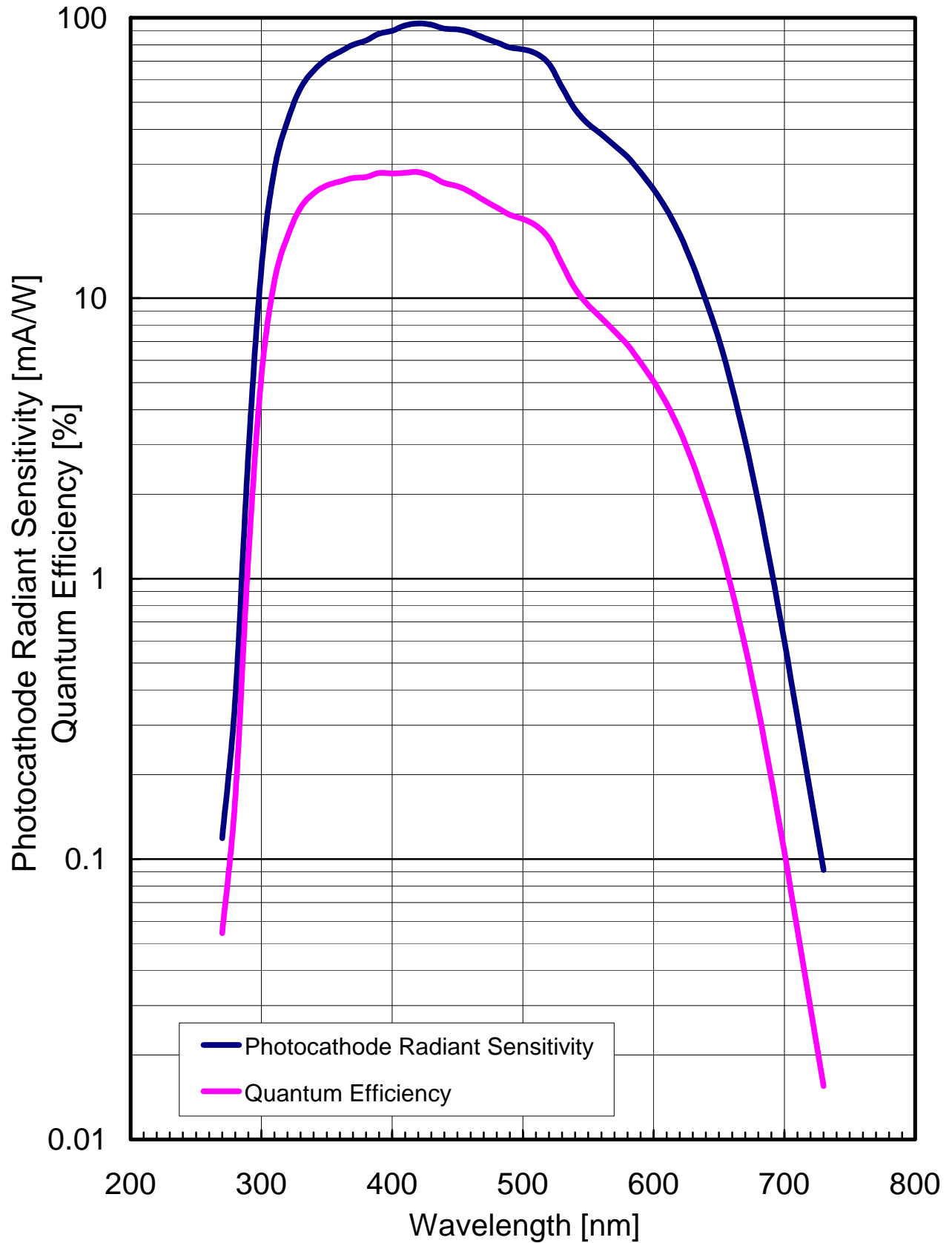
Quantum Efficiency [%]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.02	0.04	0.48
300	2.36	8.35	14.12	17.50	21.15	23.65	24.85	26.42	26.68	26.64
400	27.59	27.66	27.78	26.97	25.49	24.75	23.60	22.05	20.73	19.52
500	18.80	17.88	15.96	12.82	10.42	8.98	8.04	7.13	6.29	5.38
600	4.51	3.69	2.87	2.14	1.51	1.03	0.65	0.39	0.22	0.12
700	0.06	0.03	0.02							

Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2182
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Max. Q.E. 28.2 %
Wavelength of max. 420 nm



Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2182
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Cathode Radiant Sensitivity [mA/W]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.12	0.37	2.77
300	12.70	28.74	42.83	56.00	64.79	71.36	75.69	80.06	82.95	87.77
400	89.85	93.95	95.35	94.52	91.34	90.93	88.59	84.91	81.60	78.40
500	77.23	74.71	68.48	56.49	47.08	41.80	38.37	35.07	31.89	28.09
600	24.43	20.69	16.89	13.15	9.81	7.09	4.80	3.09	1.88	1.08
700	0.60	0.32	0.17	0.09						

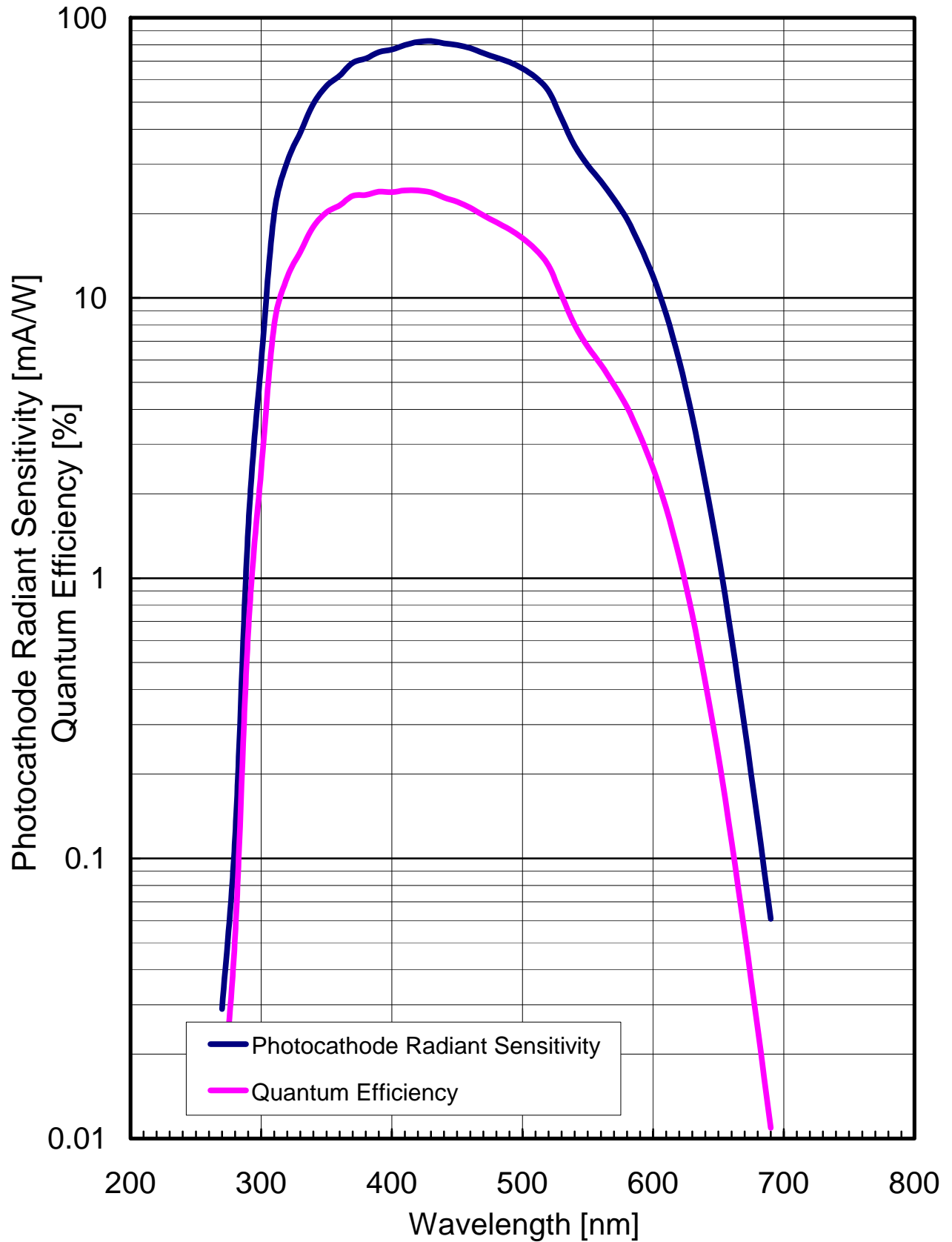
Quantum Efficiency [%]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.05	0.17	1.18
300	5.25	11.49	16.59	21.04	23.62	25.27	26.06	26.82	27.06	27.94
400	27.84	28.02	28.15	27.26	25.73	25.05	23.87	22.39	21.07	19.83
500	19.15	18.16	16.32	13.21	10.81	9.42	8.49	7.63	6.81	5.90
600	5.05	4.20	3.38	2.59	1.90	1.35	0.90	0.57	0.34	0.19
700	0.11	0.06	0.03	0.02						

Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2259
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Max. Q.E. 24.2 %
Wavelength of max. 420 nm



Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2259
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Cathode Radiant Sensitivity [mA/W]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.03	0.12	1.48
300	5.89	20.10	30.61	38.88	49.29	57.15	62.14	69.02	71.49	75.37
400	77.08	79.98	81.99	82.61	81.03	79.96	77.87	74.75	72.09	69.39
500	65.94	61.27	54.76	43.66	34.93	29.67	26.06	22.49	19.10	15.34
600	11.93	8.75	5.97	3.77	2.19	1.20	0.61	0.29	0.14	0.06

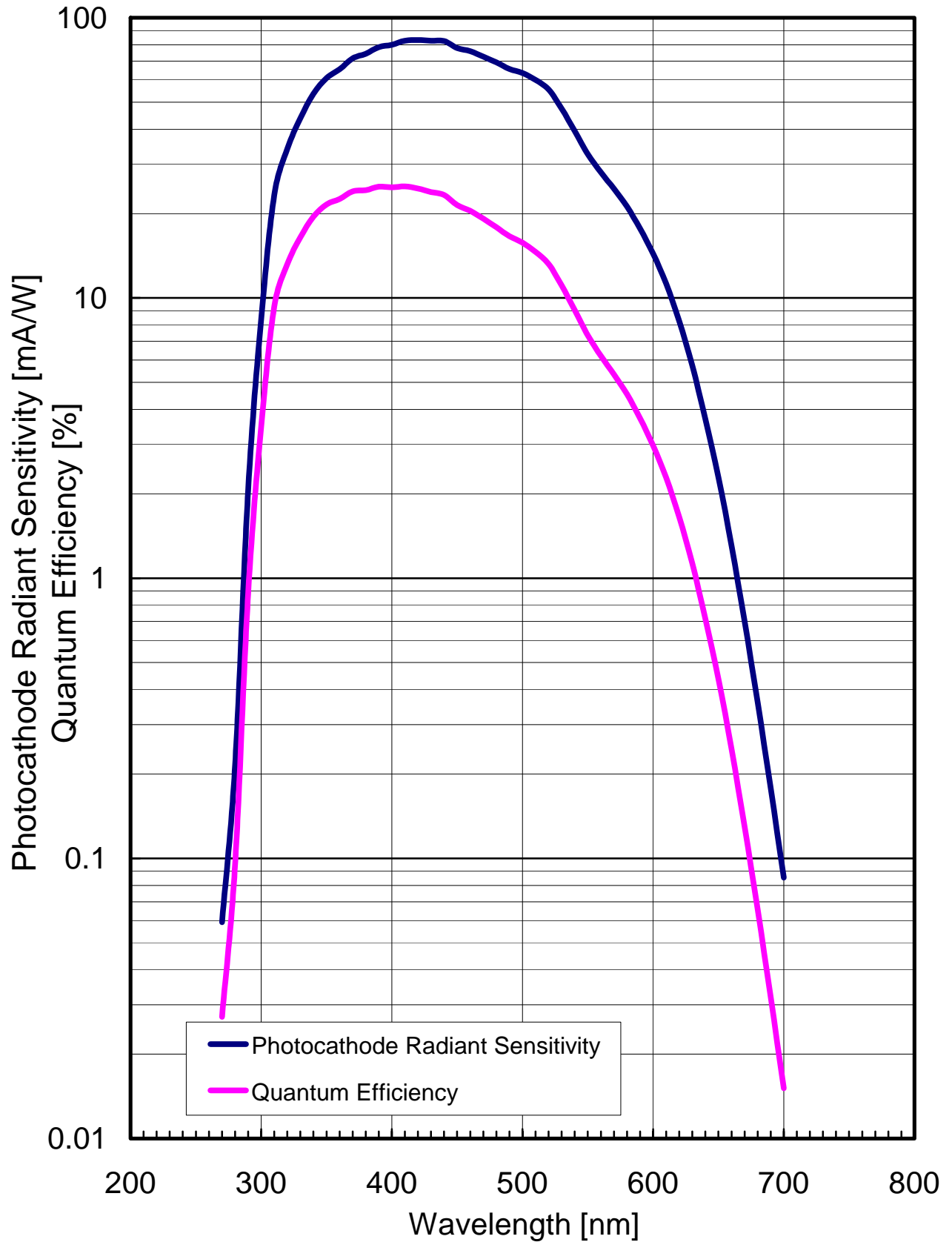
Quantum Efficiency [%]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.01	0.05	0.63
300	2.43	8.04	11.86	14.61	17.97	20.24	21.40	23.12	23.32	23.96
400	23.89	24.19	24.21	23.82	22.84	22.03	20.99	19.72	18.62	17.56
500	16.35	14.90	13.05	10.21	8.02	6.69	5.77	4.89	4.08	3.22
600	2.46	1.78	1.19	0.74	0.42	0.23	0.11	0.05	0.02	0.01

Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2349
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Max. Q.E. 25.0 %
Wavelength of max. 410 nm



Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2349
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Cathode Radiant Sensitivity [mA/W]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.06	0.22	2.06
300	8.40	23.27	34.03	43.76	53.47	60.91	65.49	71.65	74.29	78.53
400	80.08	82.72	83.18	82.70	82.67	77.89	75.98	72.69	69.29	65.64
500	63.55	60.01	55.47	47.38	39.50	32.57	28.06	24.51	21.21	17.69
600	14.39	11.24	8.26	5.74	3.70	2.27	1.30	0.70	0.36	0.18
700	0.09									

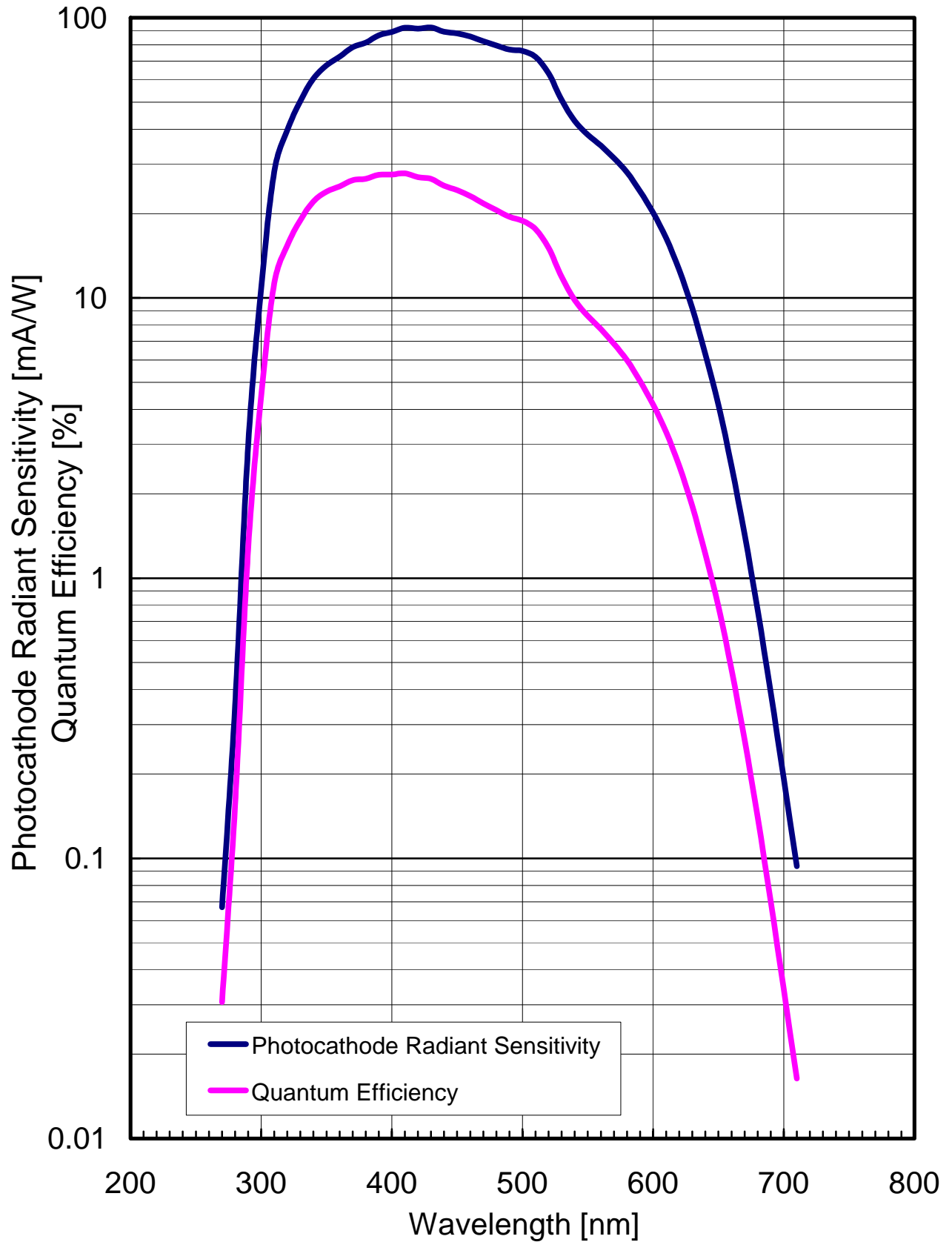
Quantum Efficiency [%]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.03	0.10	0.88
300	3.47	9.31	13.19	16.43	19.49	21.57	22.55	24.00	24.23	24.97
400	24.82	25.02	24.56	23.85	23.30	21.45	20.47	19.17	17.89	16.60
500	15.75	14.59	13.23	11.08	9.07	7.34	6.21	5.33	4.53	3.72
600	2.97	2.28	1.65	1.13	0.72	0.43	0.24	0.13	0.07	0.03
700	0.02									

Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2374
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Max. Q.E. 27.9 %
Wavelength of max. 410 nm



Spectral Response Characteristics

Tube Type R7081-02
Serial No. TA2374
Date Oct.25, 2005
Tested by M.SUZUKI
Note

Cathode Radiant Sensitivity [mA/W]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.07	0.35	2.96
300	10.81	28.23	39.69	50.36	60.56	67.66	72.60	78.58	81.55	86.50
400	88.88	92.09	91.35	92.37	89.22	87.99	85.71	82.38	79.62	76.99
500	76.11	72.51	63.38	50.91	42.84	38.19	34.96	31.52	28.04	24.02
600	20.13	16.35	12.59	9.21	6.30	4.13	2.50	1.43	0.77	0.39
700	0.19	0.09								

Quantum Efficiency [%]

Wavelength [nm]	0	10	20	30	40	50	60	70	80	90
200								0.03	0.16	1.27
300	4.47	11.29	15.38	18.92	22.08	23.96	25.00	26.32	26.60	27.50
400	27.55	27.85	26.97	26.64	25.13	24.24	23.10	21.73	20.56	19.48
500	18.87	17.62	15.11	11.91	9.83	8.61	7.74	6.86	5.99	5.05
600	4.16	3.32	2.52	1.81	1.22	0.79	0.47	0.26	0.14	0.07
700	0.03	0.02								