

3

[

4.1]













.

4.1)

(4.1)



[4.1.4]

$$\boldsymbol{r} = \frac{\boldsymbol{L} \times \boldsymbol{p}}{\boldsymbol{E}} \tag{(11)}$$

: L: [cd/m²=lm/sr·m²] E: [lm/m²] : 3.14159 [sr]

,

[4.1] .

[4.1]

,	(sandwitch panel)	0.63
	40 mm	0.75
		0.90
		0.42

4.1.3

[4.2] .

•		(Hioki 3422) 1
•		(Minolta LS110 1/3°) 1
•	FL40 2	4
•	1	
•		1

[4.5]





4.5]



•

(b)



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4.1.5

[4.8]						
. [4.9]	[4.10]	4	D		
			•				
4				815.50lx			
10,000			8	80,000			
	791	1.961x				2.89% 가	•
D				882.881x		874.101x	
0.99% フト							





(4.2)









[4.11] ()

4.2

4.2.1

,

[4.15]

[4.17]

[4.18]

- 44 -

•

4.1 [4.3] .

[4.3]

,	5 mm	0.14
	5 mm	0.14
		0.83
		0.35

[4.20]

.

•

•

[4.20]

4.2.3

[4.4]

[4.4]

•	LI-210SA 18
•	DATASCAN 1
•	LCD Multimeter RMS M-3850M
•	(Hioki 3422) 1
•	(Minolta LS110 1/3°) 1
•	486DX ₂ 50 1

[4.21]

(a) [4.21] (a)

•

(b)

(b)

(b)

(a) [4.22]

. ...

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[4.5]

- 47 -

	[µA/100klx]			[¤/ µV]
1	35.12	35.12 µA/100000k × 604	=0.2121248[µ V/lx]	4.7142
2	32.68	32.68 µ A/1000001x × 604	=0.1973872[µ V/lx]	5.0662
3	34.57	34.57 µ A/100000lx × 604	=0.2088028[µ V/lx]	4.7892
4	32.70	32.70 µ A/100000lx × 604	=0.1975080[µ V/lx]	5.0631
5	34.11	34.11 μA/100000k×604	=0.2060244[µ V/lx]	4.8538
6	29.54	29.54 µ A/100000lx × 604	=0.1784216[µ V/lx]	5.6047
7	31.68	31.68 µ A/100000k × 604	=0.1913472[µ V/lx]	5.2261
8	34.11	34.11 μA/100000k×604	=0.2060244[µ V/lx]	4.8538
9	33.10	33.10 µ A/100000lx × 604	=0.1999240[µ V/lx]	5.0019
10	33.41	33.41 µA/100000lx × 604	=0.2017964[µ V/lx]	4.9555
11	33.48	33.48 µ A/100000lx × 604	=0.2022192[µ V/lx]	4.9451
12	35.59	35.59 µ A/100000lx × 604	=0.2149636[µ V/lx]	4.6520
13	31.58	33.41 µA/100000lx × 604	=0.2017964[µ V/lx]	4.9555
14	31.96	31.96 µ A/100000lx × 604	=0.1930384[µ V/lx]	5.1803
15	32.64	32.64 µ A/100000lx × 604	=0.1971456[µ V/lx]	5.0724
16	35.59	35.59 µ A/100000lx × 604	=0.2149636[µV/lx]	4.6520
17	31.22	31.22 µ A/100000lx × 604	=0.1885688[µV/lx]	5.3031
18	32.42	32.42 µ A/1000001x × 604	=0.1958168[µ V/lx]	5.1068

[4.5]

4.2.4

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(Chen, et al., 1998).

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가

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•

[4.23] [4.24]

. [4.6]

[4.24]

(

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[4.6]		()
	(lx)	(lx)	(%)
1	261.60	229.07	12.43
2	315.80	309.54	1.98
3	320.38	328.93	2.67
4	296.34	332.14	12.08
5	295.20	312.86	5.98
6	225.80	244.93	8.47
7	294.00	261.54	11.04
8	354.24	336.21	5.09
9	361.22	360.11	0.31
10	365.42	359.68	1.57
11	357.12	346.71	2.91
12	301.70	273.11	9.48
13	271.23	254.68	6.10
14	315.06	300.43	4.64
15	327.76	319.71	2.45
16	335.96	323.36	3.75
17	310.39	303.43	2.24
18	248.47	247.39	0.43
			5.20

4.2.5

[4.25] [4.26]

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[4.26]

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[4.7]		()
	(lx)	(lx)	(%)
1	240.09	229.39	4.45
2	308.12	313.50	1.75
3	298.53	323.68	8.42
4	277.12	341.79	23.34
5	269.34	309.64	14.96
6	200.23	243.00	21.36
7	258.24	261.32	1.19
8	332.10	344.14	3.63
9	334.61	364.29	8.87
10	339.06	354.11	4.44
11	323.28	346.61	7.22
12	270.73	265.93	1.77
13	244.87	253.29	3.44
14	307.17	295.29	3.87
15	308.50	320.04	3.74
16	325.34	330.11	1.46
17	306.37	297.11	3.02
18	248.47	240.32	3.28
			6.68

(

[4.28]

:

1,2)

[4.8]		(: 1,2)
	(lx)	(lx)	(%)
1	231.54	196.61	15.09
2	256.52	239.89	6.48
3	222.06	205.29	7.55
4	123.17	132.86	7.86
5	55.32	74.89	35.37
6	37.03	38.89	5.03
7	256.04	228.00	10.95
8	284.70	263.25	7.53
9	247.16	223.39	9.62
10	150.67	147.86	1.87
11	76.37	79.50	4.10
12	43.24	47.14	9.03
13	267.44	218.57	18.27
14	271.43	235.07	13.40
15	223.66	195.32	12.67
16	130.84	138.43	5.80
17	64.51	72.64	12.61
18	39.38	42.21	7.20
			10.58

(

[4.30]

:

3,4)

[4.9]		(: 3,4)
	(lx)	(lx)	(%)
1	32.23	39.86	23.68
2	69.30	74.46	7.45
3	120.14	127.39	6.04
4	173.17	195.54	12.92
5	221.37	237.54	7.30
6	178.95	208.82	16.69
7	41.76	45.21	8.27
8	73.79	77.25	4.69
9	144.47	144.64	0.12
10	222.26	215.57	3.01
11	281.94	265.29	5.91
12	255.27	226.07	11.44
13	37.67	39.21	4.10
14	66.94	74.89	11.88
15	123.40	133.50	8.19
16	205.12	213.00	3.84
17	213.65	232.71	8.92
18	190.22	199.61	4.93
			8.3

[4.32] : 1,2)

(

[4.10]		(: 1,2)
	(lx)	(lx)	(%)
1	255.20	240.96	5.58
2	280.40	278.72	0.60
3	225.72	245.60	8.81
4	127.01	101.44	20.13
5	55.32	53.28	3.70
6	32.74	30.64	6.41
7	276.04	266.32	3.52
8	292.99	300.00	2.39
9	250.95	266.96	6.38
10	137.67	103.44	24.86
11	67.65	57.04	15.68
12	30.93	31.12	0.63
13	248.78	256.40	3.06
14	299.28	267.52	10.61
15	235.19	242.88	3.27
16	134.36	98.16	26.94
17	64.51	52.96	17.90
18	29.39	28.48	3.10
			9.09

[4.2.21]

:

3,4)

[4.11]	(: 3,4)	
	(lx)	(lx)	(%)	
1	32.23	37.18	15.37	
2	69.30	71.25	2.81	
3	127.40	126.86	0.42	
4	196.27	187.82	4.30	
5	247.20	236.79	4.21	
6	200.23	197.79	1.22	
7	33.80	41.89	23.94	
8	70.08	78.54	12.07	
9	140.68	136.50	2.97	
10	233.56	220.07	5.78	
11	296.97	266.14	10.38	
12	270.73	228.54	15.59	
13	36.33	38.68	6.46	
14	66.94	70.50	5.32	
15	134.93	127.61	5.43	
16	233.40	204.86	12.23	
17	270.08	224.57	16.85	
18	240.69	191.14	20.59	
			9.23	

(

, [4.12]	フト 5%
가		10,000
가 2%		

.

	(lx)	(lx)	(%)
100	706.09	674.15	4.52
(800)	625.69	645.70	3.19
1,000	706.09	732.42	3.73
(8,000)	625.69	638.93	2.11
10,000	706.09	712.22	0.89
(80,000)	625.69	637.60	1.90

2)

가 5.20%

6.68%

[4.13]

[4.13]

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	(%)
1,2	10.58
(200,000)	8.3
3.4	9.09
(200,000)	9.23

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