

PHOTOMETRIC RESULTS

File Name:	LIICHT 482-QL17-S04 L300244		
Sample Number:	482-QL17-S04		
Report Number:			
Model:	L300244		
Flux:	6545 lm	Flux 2	0.00 lm
Date:	12/05/2017 10.41.13		
Manufacturer:	LIICHT		

Protocol

LiTG-class: A60
UTE-class: 1.00 B
IES-class: 80 - 96 - 100 - 100 - 100
TM5-class: BZ1

Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	62.0°	61.4°
Half peak side angle (left)	-30.1°	-31.1°
Half peak side angle (right)	32.0°	30.3°
One tenth peak divergence	104.1°	103.0°
Tenth peak side angle (left)	-51.3°	-51.8°
Tenth peak side angle (right)	52.8°	51.2°

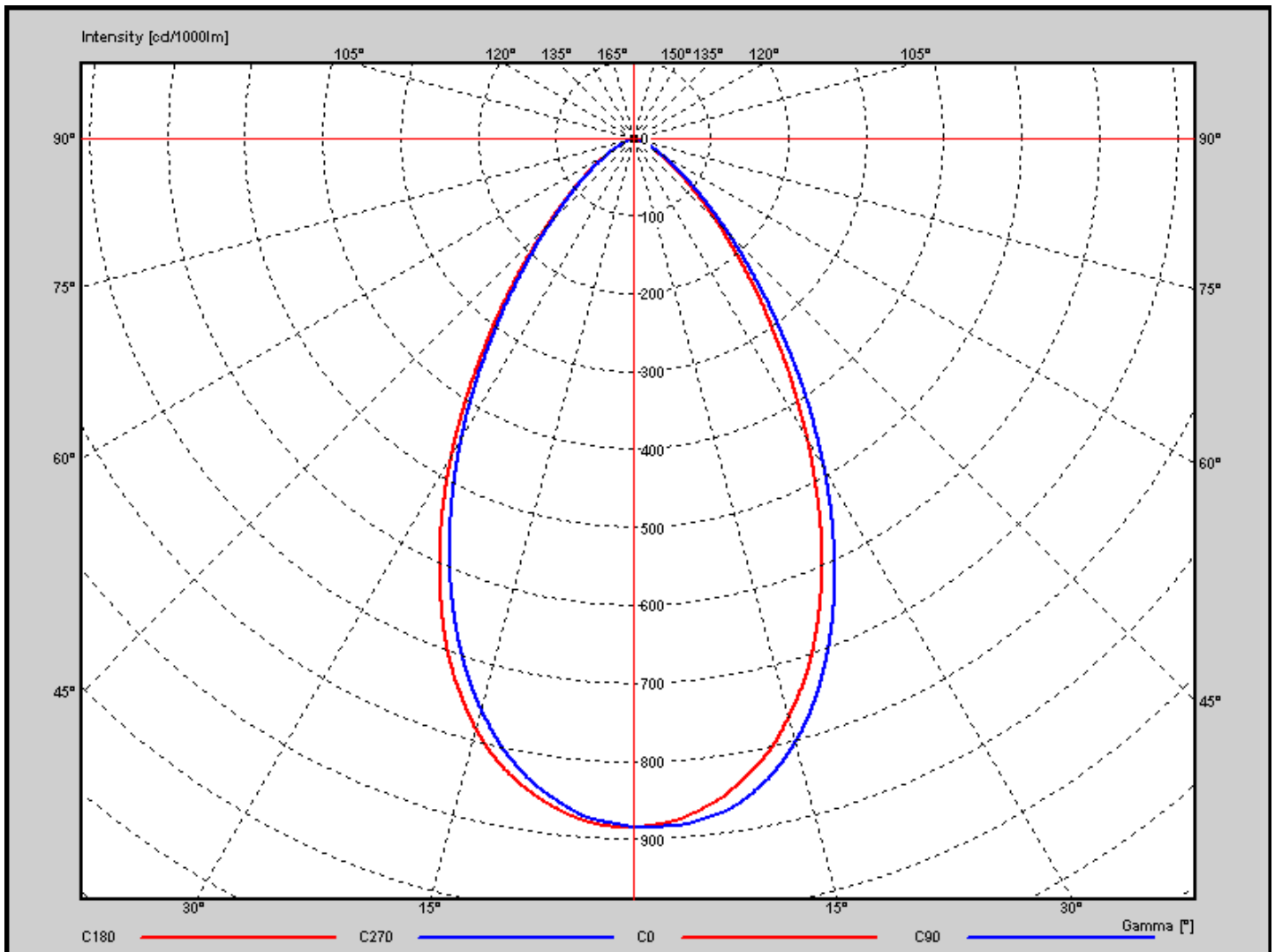
C-planes:	0.0°	10.0°	20.0°	30.0°	40.0°	50.0°	60.0°	70.0°	80.0°	90.0°
	100.0°	110.0°	120.0°	130.0°	140.0°	150.0°	160.0°	170.0°	180.0°	190.0°
	200.0°	210.0°	220.0°	230.0°	240.0°	250.0°	260.0°	270.0°	280.0°	290.0°
	300.0°	310.0°	320.0°	330.0°	340.0°	350.0°				

Gamma:	0.0°	2.0°	4.0°	6.0°	8.0°	10.0°	12.0°	14.0°	16.0°	18.0°
	20.0°	22.0°	24.0°	26.0°	28.0°	30.0°	32.0°	34.0°	36.0°	38.0°
	40.0°	42.0°	44.0°	46.0°	48.0°	50.0°	52.0°	54.0°	56.0°	58.0°
	60.0°	62.0°	64.0°	66.0°	68.0°	70.0°	72.0°	74.0°	76.0°	78.0°
	80.0°	82.0°	84.0°	86.0°	88.0°	90.0°				

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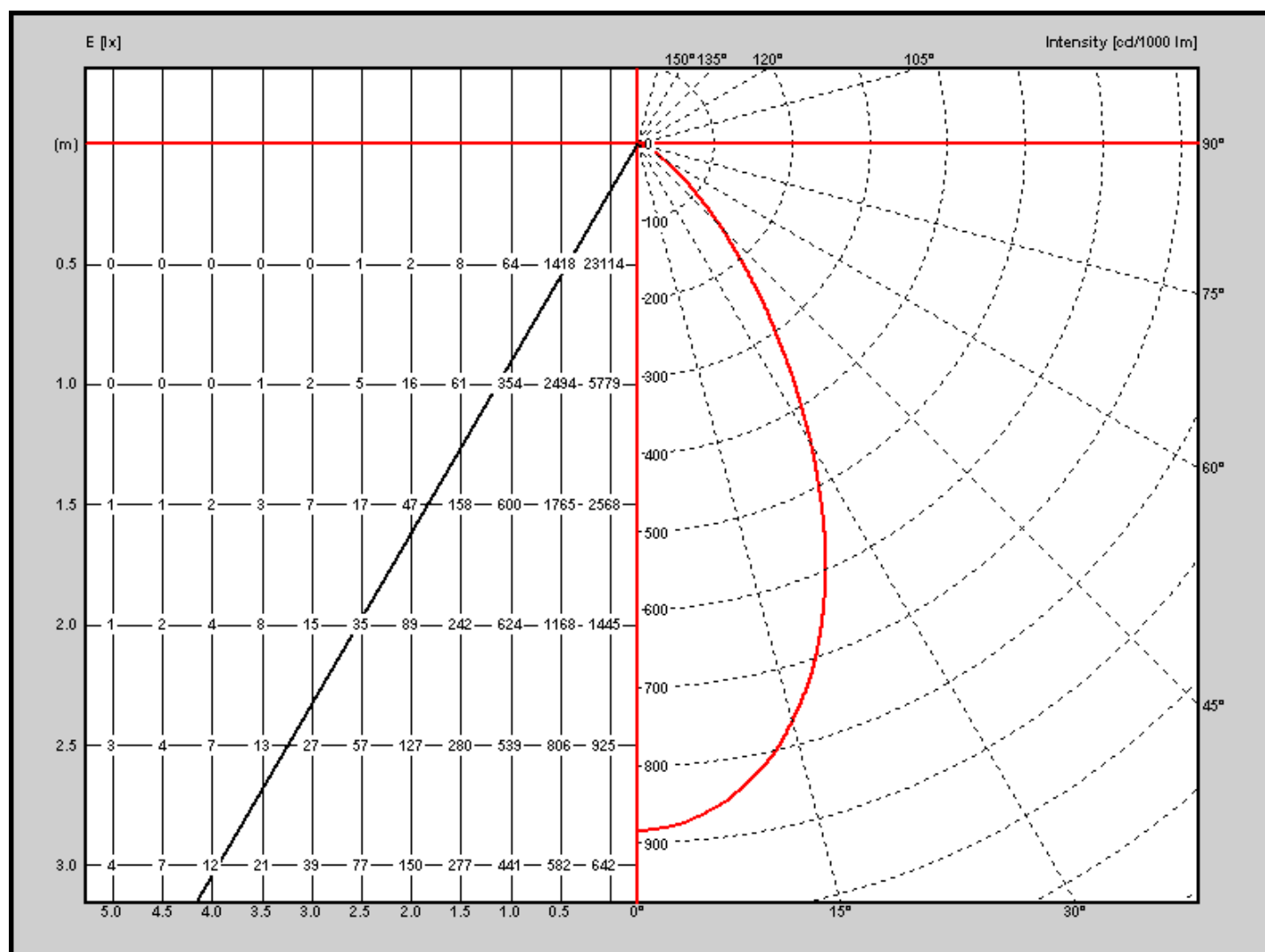
Polar diagram LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90



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Illuminance and Intensity diagram LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90



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Zonal flux LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

Gamm a [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
0.0	882.91	882.91	882.91	0	0	0.00	0.00
2.0	877.13	885.59	881.20	22	22	0.34	0.34
4.0	867.96	882.91	876.08	66	88	1.01	1.35
6.0	856.07	877.55	866.88	109	197	1.67	3.01
8.0	839.92	868.38	854.09	151	348	2.30	5.31
10.0	820.01	854.25	837.16	190	538	2.90	8.21
12.0	795.85	836.26	816.37	226	764	3.46	11.67
14.0	766.86	813.70	791.06	260	1023	3.97	15.64
16.0	736.02	785.79	761.39	288	1312	4.41	20.04
18.0	700.96	754.16	728.71	313	1625	4.78	24.82
20.0	662.38	717.03	691.24	332	1956	5.07	29.89
22.0	620.35	678.14	650.81	345	2301	5.27	35.16
24.0	576.46	634.86	606.95	353	2654	5.39	40.55
26.0	529.67	589.37	560.97	354	3008	5.41	45.97
28.0	480.19	540.00	512.17	350	3358	5.34	51.31
30.0	430.72	491.53	463.27	339	3697	5.19	56.49
32.0	381.62	440.12	413.20	324	4021	4.95	61.44
34.0	334.83	392.32	365.39	304	4326	4.65	66.09
36.0	290.34	344.14	318.85	282	4607	4.30	70.40
38.0	252.37	300.17	277.41	258	4865	3.93	74.33
40.0	215.93	258.49	238.05	233	5098	3.56	77.89
42.0	184.48	221.59	204.04	208	5306	3.18	81.07
44.0	156.87	189.06	173.19	185	5491	2.82	83.89
46.0	131.94	159.97	146.39	162	5653	2.48	86.37
48.0	110.46	134.33	122.83	141	5794	2.16	88.53
50.0	92.43	112.90	103.14	122	5917	1.87	90.40
52.0	77.09	94.07	85.88	105	6022	1.61	92.01
54.0	63.67	78.77	71.65	90	6112	1.38	93.39
56.0	52.93	65.39	59.49	77	6189	1.18	94.57
58.0	44.11	54.30	49.41	66	6255	1.00	95.57
60.0	36.71	44.74	40.85	56	6310	0.85	96.42
62.0	30.53	37.09	33.88	47	6357	0.72	97.13
64.0	25.12	30.23	27.87	39	6397	0.60	97.74

Zonal flux LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

Gamm a [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
66.0	20.69	24.88	23.01	33	6430	0.51	98.24
68.0	15.55	20.28	18.59	27	6457	0.42	98.66
70.0	11.40	16.44	14.74	22	6480	0.34	99.00
72.0	8.83	13.38	11.71	18	6498	0.27	99.28
74.0	6.83	10.70	9.15	14	6512	0.22	99.50
76.0	4.95	8.45	7.07	11	6523	0.17	99.67
78.0	3.38	6.49	5.05	8	6532	0.13	99.80
80.0	2.11	4.22	3.28	6	6538	0.09	99.89
82.0	1.07	2.31	1.80	4	6541	0.05	99.94
84.0	0.38	1.16	0.75	2	6543	0.03	99.97
86.0	0.12	0.77	0.40	1	6544	0.01	99.98
88.0	0.04	0.77	0.40	1	6544	0.01	99.99
90.0	0.04	0.77	0.40	1	6545	0.01	100.00

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Date:	12/05/2017 10.41.13		
Manufacturer:	LIICHT		

Intensity [cd/klm] LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

G/C [cd/klm]	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0
0.0	882.91	882.91	882.91	882.91	882.91	882.91	882.91	882.91
2.0	879.46	881.00	879.09	880.62	881.76	883.68	882.91	884.44
4.0	873.32	875.28	874.50	877.56	877.93	881.39	880.62	882.53
6.0	861.80	864.97	864.57	868.01	870.66	873.74	874.11	876.79
8.0	848.36	850.85	852.34	856.17	858.40	863.81	863.79	867.99
10.0	829.17	834.05	836.28	840.12	842.69	849.68	848.48	854.21
12.0	809.21	814.59	814.12	820.26	823.92	829.81	828.97	834.69
14.0	782.34	787.87	788.89	795.42	799.03	805.36	805.64	811.73
16.0	751.63	759.24	758.69	766.77	769.53	776.32	776.18	783.03
18.0	719.00	726.79	727.35	734.68	735.44	744.61	744.43	752.79
20.0	680.61	689.76	690.28	698.38	698.29	707.55	708.09	715.67
22.0	639.15	647.39	649.38	659.03	658.83	667.82	668.31	676.63
24.0	593.47	602.73	605.43	615.48	616.32	625.03	625.84	633.77
26.0	547.02	556.54	559.18	569.63	571.12	580.71	579.56	589.37
28.0	495.97	506.92	508.73	520.35	522.85	532.19	531.74	540.00
30.0	447.60	457.68	460.19	469.16	472.67	482.53	481.62	490.64
32.0	397.69	406.91	408.97	420.25	421.73	431.33	430.36	440.12
34.0	350.86	359.96	361.19	371.73	372.70	382.43	381.78	391.13
36.0	305.18	315.30	315.33	324.36	324.82	333.53	334.34	343.29
38.0	266.60	274.84	274.81	283.10	283.07	291.50	291.50	299.66
40.0	228.79	235.90	235.83	244.13	243.23	251.01	250.95	258.33
42.0	195.47	202.31	202.57	209.74	209.52	216.24	215.76	221.59
44.0	166.18	171.77	172.00	177.65	178.50	184.15	183.62	189.06
46.0	140.19	145.05	145.24	150.15	151.30	156.64	154.93	159.97
48.0	117.70	121.77	121.93	126.08	127.17	131.42	130.45	134.33
50.0	98.58	102.30	102.05	105.83	106.49	110.41	109.41	112.90
52.0	82.03	85.12	84.85	87.87	88.87	91.69	91.05	93.76
54.0	68.21	70.62	70.71	73.35	73.54	76.41	76.13	78.46
56.0	56.35	58.40	58.48	60.75	60.90	63.42	63.12	65.06
58.0	46.64	48.48	48.16	50.43	50.56	52.34	52.41	53.96
60.0	38.50	39.70	39.75	41.26	41.75	43.17	43.23	44.39
62.0	31.67	32.83	32.87	34.38	34.47	35.91	35.58	36.74
64.0	25.87	26.72	26.75	27.89	28.35	29.42	29.46	30.23
66.0	20.69	21.76	21.79	22.92	23.37	24.07	24.10	24.88
68.0	15.55	16.80	17.58	18.72	18.77	19.87	19.51	20.28
70.0	11.40	12.21	13.38	14.52	14.94	16.05	15.68	16.07
72.0	8.83	9.54	10.32	11.08	11.49	12.61	12.62	13.01
74.0	6.83	7.25	8.03	8.79	8.81	9.55	10.33	10.33
76.0	4.95	5.34	6.12	6.88	6.51	7.26	8.03	8.04
78.0	3.38	3.82	4.20	4.97	4.60	4.97	5.74	5.74
80.0	2.11	2.29	2.68	3.06	3.06	3.06	3.44	3.83
82.0	1.07	1.15	1.53	1.53	1.53	1.91	1.91	1.91
84.0	0.42	0.38	0.38	0.76	0.77	0.76	0.77	0.77
86.0	0.12	0.38	0.38	0.38	0.77	0.76	0.38	0.38

Intensity [cd/klm] LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

G/C [cd/klm]	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0
88.0	0.04	0.38	0.38	0.38	0.77	0.76	0.38	0.38
90.0	0.04	0.38	0.38	0.38	0.77	0.76	0.38	0.38

G/C [cd/klm]	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
0.0	882.91	882.91	882.91	882.91	882.91	882.91	882.91	882.91
2.0	884.06	882.53	884.44	883.68	884.44	885.59	884.45	883.30
4.0	882.91	881.77	881.39	881.00	881.77	882.15	880.61	879.85
6.0	877.55	875.65	876.81	877.18	874.51	875.65	875.24	873.35
8.0	867.20	868.38	867.26	866.86	864.58	866.49	864.12	861.50
10.0	853.79	854.24	853.90	854.25	850.82	850.82	847.63	847.73
12.0	835.01	836.26	834.44	834.37	830.96	832.87	829.22	829.00
14.0	810.49	813.70	811.15	811.06	806.89	810.71	806.97	806.44
16.0	782.90	785.79	782.52	782.77	779.00	782.82	779.36	780.82
18.0	750.71	753.67	750.46	753.73	749.20	754.16	749.06	749.46
20.0	713.15	716.96	713.43	717.03	712.90	716.72	712.62	714.28
22.0	673.30	676.81	673.73	678.05	673.17	678.14	672.73	674.90
24.0	630.00	633.60	630.60	634.86	630.76	634.20	627.86	630.54
26.0	584.39	587.33	584.03	588.99	584.15	588.74	581.07	584.28
28.0	535.34	539.54	535.55	539.69	535.25	537.92	530.82	532.65
30.0	487.06	489.83	486.69	491.53	484.44	487.11	480.19	482.95
32.0	437.24	440.12	435.54	438.78	432.48	434.77	428.03	431.71
34.0	388.57	392.32	387.44	390.62	383.19	385.10	378.17	382.38
36.0	340.67	344.14	338.97	341.32	334.67	337.73	329.85	333.05
38.0	296.99	300.17	295.45	297.74	291.50	292.65	286.89	290.23
40.0	255.60	258.49	254.22	256.08	249.86	252.53	245.85	247.40
42.0	219.58	221.40	218.34	219.39	214.33	215.86	210.95	212.99
44.0	187.01	188.90	185.51	186.52	181.86	183.77	179.11	178.95
46.0	158.27	159.45	156.89	157.85	153.20	155.11	151.12	152.19
48.0	132.97	134.22	132.07	132.25	128.37	130.28	126.57	126.95
50.0	111.51	112.80	110.70	111.22	108.12	109.27	106.24	107.07
52.0	93.12	94.07	92.38	92.11	89.78	90.55	88.21	88.71
54.0	78.17	78.77	77.11	77.21	74.88	75.26	73.64	73.80
56.0	64.76	65.39	64.13	63.83	62.27	62.66	60.98	61.56
58.0	54.03	54.30	53.06	52.75	51.58	51.96	50.24	50.86
60.0	44.45	44.74	43.90	43.57	42.41	42.79	41.81	42.06
62.0	36.40	37.09	35.88	36.31	35.15	35.53	34.52	34.80
64.0	29.89	30.21	29.77	29.81	29.04	29.42	28.38	28.68
66.0	24.53	24.85	24.43	24.84	24.07	24.45	23.78	23.71
68.0	19.54	19.50	19.47	20.26	19.87	19.87	19.56	19.12
70.0	15.33	14.91	15.27	16.44	16.05	16.43	15.73	15.68
72.0	11.88	11.85	12.21	13.38	12.99	13.37	12.66	12.24
74.0	9.20	9.56	9.54	10.70	10.70	10.32	9.59	9.56
76.0	7.28	7.27	7.25	8.41	8.41	8.02	7.29	7.65
78.0	4.98	4.97	4.96	6.12	6.49	5.73	5.37	5.74
80.0	3.07	3.44	3.44	4.20	3.82	3.82	3.45	3.82
82.0	1.92	1.91	1.91	2.29	2.29	2.29	1.92	2.29
84.0	0.77	0.76	0.76	1.15	0.76	1.15	0.77	0.76
86.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
88.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
90.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38

G/C [cd/klm]	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0
0.0	882.91	882.91	882.91	882.91	882.91	882.91	882.91	882.91
2.0	884.06	883.30	882.15	882.53	882.15	882.14	879.83	880.99
4.0	879.86	877.91	877.17	877.14	877.17	877.92	874.83	874.82

Intensity [cd/klm] LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

G/C [cd/klm]	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0
6.0	871.46	869.83	867.58	867.14	866.46	866.77	864.43	865.18
8.0	860.01	858.29	855.32	854.83	852.30	853.70	850.18	850.53
10.0	844.74	842.90	839.61	838.67	835.46	837.56	829.78	830.86
12.0	826.42	825.59	820.83	820.59	815.17	816.80	808.21	808.50
14.0	803.13	802.51	797.07	797.89	791.06	791.43	783.57	781.90
16.0	775.65	774.04	767.95	768.27	761.98	762.22	752.38	751.44
18.0	743.97	743.26	735.38	736.34	728.68	728.39	719.65	718.28
20.0	708.85	706.72	698.97	699.41	691.56	691.88	682.69	681.66
22.0	667.24	666.71	656.82	658.63	651.37	652.67	643.41	642.71
24.0	622.96	622.46	612.75	614.00	606.21	608.85	598.36	597.99
26.0	575.63	575.91	566.77	568.99	560.67	563.88	552.54	554.04
28.0	526.01	528.21	518.48	519.75	512.07	514.30	504.80	506.23
30.0	476.00	478.20	469.43	472.04	463.85	465.48	456.67	458.04
32.0	424.47	427.80	418.85	420.87	413.71	416.28	406.61	408.30
34.0	374.85	377.40	370.18	372.79	365.87	368.62	358.86	362.03
36.0	326.37	328.93	321.90	325.85	319.18	321.72	313.43	315.77
38.0	283.62	286.61	280.13	282.76	276.70	279.83	272.23	274.51
40.0	242.77	245.45	239.89	242.37	237.28	239.85	234.11	235.96
42.0	207.27	210.05	204.63	207.74	203.22	205.26	200.61	202.41
44.0	175.97	178.12	173.21	176.20	172.60	174.51	170.58	171.57
46.0	148.49	150.42	146.77	149.27	145.43	147.22	144.39	145.74
48.0	124.44	126.57	123.01	125.42	122.08	123.38	120.90	122.22
50.0	104.59	106.57	103.47	105.41	102.18	103.78	101.65	102.56
52.0	87.03	88.87	86.22	87.71	85.34	86.48	84.71	85.98
54.0	72.14	74.25	72.04	73.48	71.18	72.26	70.85	71.71
56.0	59.93	61.55	59.78	60.78	58.94	59.96	58.91	59.76
58.0	49.62	51.17	49.43	50.78	48.99	49.97	48.90	49.74
60.0	40.84	41.93	41.00	41.93	40.57	41.51	40.82	41.64
62.0	33.59	34.62	33.72	34.62	33.68	34.59	33.88	34.70
64.0	27.87	28.08	27.59	28.08	27.56	28.44	28.11	28.53
66.0	22.90	23.08	22.23	23.08	22.96	23.45	23.49	23.90
68.0	18.32	18.47	17.24	18.47	18.37	19.22	19.25	19.66
70.0	14.51	13.85	12.65	13.85	14.54	15.38	15.79	16.19
72.0	11.45	10.77	9.96	10.77	11.48	12.30	12.32	13.11
74.0	8.78	8.08	7.66	8.08	8.80	9.61	9.24	10.41
76.0	6.87	6.16	5.75	6.16	6.89	7.69	7.32	7.71
78.0	4.96	4.62	3.83	4.23	4.98	5.77	5.01	5.40
80.0	3.44	3.08	2.68	3.08	3.44	3.84	3.47	3.47
82.0	1.91	1.54	1.53	1.54	1.91	1.92	1.93	2.31
84.0	0.76	0.77	0.77	0.77	0.77	0.77	0.77	1.16
86.0	0.38	0.38	0.38	0.38	0.38	0.38	0.39	0.39
88.0	0.38	0.38	0.38	0.38	0.38	0.38	0.39	0.39
90.0	0.38	0.38	0.38	0.38	0.38	0.38	0.39	0.39

G/C [cd/klm]	240.0	250.0	260.0	270.0	280.0	290.0	300.0	310.0
0.0	882.91	882.91	882.91	882.91	882.91	882.91	882.91	882.91
2.0	878.69	879.84	878.31	877.50	877.54	878.67	877.13	878.31
4.0	874.08	872.17	871.03	871.71	869.86	870.56	869.03	868.33
6.0	862.56	861.43	860.30	858.57	857.96	858.98	857.08	856.43
8.0	847.97	846.84	844.98	843.50	842.22	843.15	841.27	839.92
10.0	828.38	828.04	823.13	824.57	820.73	823.46	820.07	821.49
12.0	805.34	805.79	800.14	801.00	796.93	798.75	796.16	797.31
14.0	777.30	777.01	772.55	772.79	769.29	770.96	766.86	769.67
16.0	746.58	746.70	739.98	741.49	736.27	740.46	736.40	737.81
18.0	712.78	711.78	704.72	705.56	700.96	703.78	702.48	704.41
20.0	673.99	673.41	666.02	667.30	662.95	665.56	662.38	664.87

Intensity [cd/klm] LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

G/C [cd/klm]	240.0	250.0	260.0	270.0	280.0	290.0	300.0	310.0
22.0	634.82	631.97	623.86	625.19	620.73	624.26	620.35	624.95
24.0	591.04	589.76	580.94	583.07	577.35	582.17	576.79	579.27
26.0	546.11	544.87	536.11	536.32	531.67	534.69	530.13	532.44
28.0	498.10	498.05	488.97	490.34	484.07	487.59	481.17	484.07
30.0	450.48	449.71	442.61	443.58	436.85	439.72	432.97	434.93
32.0	401.32	403.28	395.47	397.21	389.25	391.46	384.01	384.64
34.0	354.86	355.70	348.72	350.85	343.95	345.14	337.36	339.35
36.0	309.92	311.96	303.88	305.64	299.04	300.74	293.02	294.82
38.0	269.21	270.51	264.03	266.23	259.50	260.97	254.46	255.66
40.0	230.81	232.53	226.48	227.20	222.26	222.76	217.45	218.81
42.0	197.78	198.76	193.90	195.13	190.02	191.87	185.84	187.72
44.0	167.83	169.22	164.40	164.99	161.23	160.99	157.69	158.92
46.0	141.71	143.12	139.10	139.88	135.89	137.05	132.63	134.36
48.0	118.67	120.48	116.88	117.46	114.39	114.27	111.42	112.48
50.0	99.85	100.92	98.48	99.30	96.35	96.13	93.30	94.43
52.0	83.34	84.42	82.01	82.69	80.61	80.30	77.88	78.69
54.0	69.90	70.60	68.98	69.55	67.18	67.17	64.77	65.26
56.0	58.37	58.71	57.48	57.96	56.43	55.98	53.98	54.13
58.0	48.77	49.11	47.90	48.30	46.83	46.71	45.11	45.30
60.0	40.32	40.67	39.85	40.19	38.77	38.61	37.40	37.62
62.0	33.80	34.15	32.96	33.62	32.25	32.43	31.23	31.48
64.0	28.04	28.01	27.21	27.82	26.87	27.02	25.83	26.10
66.0	23.04	23.41	22.61	23.18	22.26	22.39	21.59	21.88
68.0	19.20	19.19	18.39	18.16	18.04	18.53	18.12	18.04
70.0	15.75	15.73	14.56	14.30	14.59	15.44	15.04	14.97
72.0	12.67	13.05	11.50	11.59	11.90	12.35	12.34	11.90
74.0	10.37	10.36	9.20	9.27	9.21	10.04	10.02	9.21
76.0	8.45	8.06	6.90	7.34	6.91	8.11	7.71	7.29
78.0	6.14	6.14	4.98	5.02	4.61	5.79	5.78	4.99
80.0	3.84	4.22	3.07	3.09	3.07	3.86	3.47	3.07
82.0	1.92	2.30	1.92	1.93	1.54	1.93	1.93	1.54
84.0	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
86.0	0.38	0.38	0.38	0.39	0.38	0.39	0.39	0.38
88.0	0.38	0.38	0.38	0.39	0.38	0.39	0.39	0.38
90.0	0.38	0.38	0.38	0.39	0.38	0.39	0.39	0.38

G/C [cd/klm]	320.0	330.0	340.0	350.0
0.0	882.91	882.91	882.91	882.91
2.0	877.54	878.67	878.28	880.22
4.0	867.96	870.17	870.94	871.74
6.0	856.07	858.97	858.18	861.73
8.0	840.72	843.52	842.34	847.47
10.0	820.01	825.75	825.73	828.98
12.0	795.85	801.03	803.32	807.80
14.0	768.23	774.38	775.88	780.83
16.0	736.02	742.71	743.42	750.78
18.0	702.27	709.50	708.65	717.27
20.0	662.38	669.72	670.78	677.98
22.0	621.34	629.16	628.28	637.15
24.0	576.46	584.36	583.07	591.69
26.0	529.67	537.24	535.54	545.46
28.0	480.19	488.19	486.86	495.00
30.0	430.72	439.53	437.79	447.23
32.0	381.62	389.32	387.55	397.16
34.0	334.83	342.20	340.41	350.55
36.0	290.34	297.78	296.37	305.48

Intensity [cd/klm] LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

G/C [cd/klm]	320.0	330.0	340.0	350.0
38.0	252.37	258.00	257.34	265.41
40.0	215.93	220.92	220.63	228.05
42.0	184.48	188.86	188.56	195.30
44.0	156.87	160.28	159.97	165.26
46.0	131.94	134.79	134.85	139.45
48.0	110.46	113.16	112.44	117.11
50.0	92.43	94.63	94.28	97.84
52.0	77.09	78.40	78.44	81.28
54.0	63.67	65.27	64.91	67.80
56.0	52.93	54.07	53.71	56.24
58.0	44.11	45.19	44.44	46.61
60.0	36.82	37.46	36.71	38.52
62.0	30.68	31.28	30.53	31.59
64.0	25.31	25.88	25.12	25.81
66.0	21.48	21.63	20.87	20.80
68.0	17.64	17.38	16.62	16.56
70.0	14.19	13.90	13.14	12.33
72.0	11.12	10.81	10.43	9.63
74.0	8.44	8.50	7.73	7.32
76.0	6.52	6.95	5.80	5.39
78.0	4.60	5.02	4.25	3.85
80.0	3.07	3.09	2.70	2.31
82.0	1.53	1.54	1.55	1.16
84.0	0.77	0.77	0.39	0.39
86.0	0.38	0.39	0.39	0.39
88.0	0.38	0.39	0.39	0.39
90.0	0.38	0.39	0.39	0.39

PHOTOMETRIC RESULTS

File Name:	LIICHT 482-QL17-S04 L300244		
Sample Number:	482-QL17-S04		
Report Number:			
Model:	L300244		
Flux:	6545 lm	Flux 2	0.00 lm
Date:	12/05/2017 10.41.13		
Manufacturer:	LIICHT		

Intensity [cd] LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

G/C [cd]	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0
0.0	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6
2.0	5756.0	5766.1	5753.6	5763.6	5771.1	5783.6	5778.6	5788.6
4.0	5715.8	5728.6	5723.6	5743.6	5746.0	5768.6	5763.6	5776.1
6.0	5640.4	5661.2	5658.5	5681.1	5698.4	5718.6	5721.0	5738.5
8.0	5552.5	5568.7	5578.5	5603.6	5618.1	5653.6	5653.4	5680.9
10.0	5426.8	5458.8	5473.4	5498.5	5515.4	5561.0	5553.3	5590.7
12.0	5296.2	5331.4	5328.3	5368.5	5392.5	5431.0	5425.6	5463.0
14.0	5120.3	5156.5	5163.2	5206.0	5229.6	5271.0	5272.8	5312.7
16.0	4919.3	4969.1	4965.6	5018.4	5036.5	5081.0	5080.1	5124.8
18.0	4705.8	4756.8	4760.5	4808.4	4813.4	4873.4	4872.2	4927.0
20.0	4454.5	4514.4	4517.8	4570.9	4570.2	4630.9	4634.4	4684.0
22.0	4183.2	4237.1	4250.1	4313.3	4312.0	4370.8	4374.0	4428.5
24.0	3884.2	3944.8	3962.5	4028.3	4033.7	4090.8	4096.1	4148.0
26.0	3580.2	3642.5	3659.8	3728.2	3737.9	3800.7	3793.1	3857.4
28.0	3246.1	3317.8	3329.6	3405.6	3422.0	3483.2	3480.2	3534.3
30.0	2929.5	2995.5	3011.9	3070.6	3093.6	3158.1	3152.2	3211.2
32.0	2602.9	2663.2	2676.7	2750.5	2760.2	2823.0	2816.7	2880.5
34.0	2296.4	2355.9	2364.0	2433.0	2439.3	2503.0	2498.7	2559.9
36.0	1997.4	2063.6	2063.8	2122.9	2125.9	2182.9	2188.3	2246.8
38.0	1744.9	1798.8	1798.6	1852.8	1852.7	1907.9	1907.8	1961.3
40.0	1497.4	1544.0	1543.5	1597.8	1591.9	1642.8	1642.4	1690.7
42.0	1279.3	1324.1	1325.8	1372.8	1371.3	1415.3	1412.1	1450.3
44.0	1087.6	1124.2	1125.7	1162.7	1168.3	1205.2	1201.8	1237.4
46.0	917.5	949.4	950.6	982.7	990.3	1025.2	1014.0	1047.0
48.0	770.3	797.0	798.0	825.2	832.3	860.2	853.8	879.2
50.0	645.2	669.5	667.9	692.6	696.9	722.6	716.1	738.9
52.0	536.9	557.1	555.3	575.1	581.6	600.1	595.9	613.7
54.0	446.5	462.2	462.8	480.1	481.3	500.1	498.2	513.5
56.0	368.8	382.2	382.7	397.6	398.6	415.1	413.1	425.8
58.0	305.3	317.3	315.2	330.1	330.9	342.6	343.0	353.2
60.0	252.0	259.8	260.2	270.1	273.3	282.6	282.9	290.6
62.0	207.3	214.9	215.1	225.0	225.6	235.0	232.8	240.5
64.0	169.3	174.9	175.1	182.5	185.5	192.5	192.8	197.9
66.0	135.4	142.4	142.6	150.0	152.9	157.5	157.7	162.8
68.0	101.8	109.9	115.1	122.5	122.8	130.0	127.7	132.8
70.0	74.6	79.9	87.6	95.0	97.8	105.0	102.7	105.2
72.0	57.8	62.5	67.5	72.5	75.2	82.5	82.6	85.2
74.0	44.7	47.5	52.5	57.5	57.7	62.5	67.6	67.6
76.0	32.4	35.0	40.0	45.0	42.6	47.5	52.6	52.6
78.0	22.1	25.0	27.5	32.5	30.1	32.5	37.6	37.6
80.0	13.8	15.0	17.5	20.0	20.1	20.0	22.5	25.0
82.0	7.0	7.5	10.0	10.0	10.0	12.5	12.5	12.5
84.0	2.8	2.5	2.5	5.0	5.0	5.0	5.0	5.0
86.0	0.8	2.5	2.5	2.5	5.0	5.0	2.5	2.5
88.0	0.3	2.5	2.5	2.5	5.0	5.0	2.5	2.5

Intensity [cd] LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

G/C [cd]	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0
90.0	0.3	2.5	2.5	2.5	5.0	5.0	2.5	2.5

G/C [cd]	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
0.0	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6
2.0	5786.1	5776.1	5788.6	5783.6	5788.6	5796.1	5788.6	5781.1
4.0	5778.6	5771.1	5768.6	5766.1	5771.1	5773.6	5763.5	5758.6
6.0	5743.5	5731.0	5738.6	5741.1	5723.6	5731.1	5728.4	5716.0
8.0	5675.8	5683.5	5676.2	5673.5	5658.6	5671.1	5655.6	5638.4
10.0	5588.0	5590.9	5588.7	5591.0	5568.5	5568.5	5547.6	5548.3
12.0	5465.1	5473.3	5461.3	5460.9	5438.5	5451.0	5427.2	5425.7
14.0	5304.6	5325.6	5308.9	5308.3	5281.0	5306.0	5281.6	5278.1
16.0	5124.0	5142.9	5121.5	5123.2	5098.5	5123.5	5100.8	5110.4
18.0	4913.3	4932.7	4911.7	4933.1	4903.4	4935.9	4902.5	4905.2
20.0	4667.5	4692.4	4669.3	4692.9	4665.9	4690.9	4664.0	4674.9
22.0	4406.7	4429.7	4409.5	4437.8	4405.8	4438.3	4403.0	4417.2
24.0	4123.3	4146.9	4127.2	4155.1	4128.3	4150.8	4109.3	4126.9
26.0	3824.8	3844.1	3822.4	3854.9	3823.2	3853.2	3803.0	3824.0
28.0	3503.8	3531.2	3505.1	3532.2	3503.2	3520.7	3474.2	3486.2
30.0	3187.8	3205.9	3185.3	3217.0	3170.6	3188.1	3142.8	3160.8
32.0	2861.7	2880.5	2850.6	2871.8	2830.5	2845.5	2801.4	2825.5
34.0	2543.2	2567.7	2535.8	2556.6	2508.0	2520.5	2475.1	2502.6
36.0	2229.7	2252.4	2218.5	2233.9	2190.4	2210.4	2158.8	2179.8
38.0	1943.8	1964.6	1933.7	1948.7	1907.9	1915.4	1877.7	1899.5
40.0	1672.9	1691.8	1663.9	1676.0	1635.3	1652.8	1609.1	1619.2
42.0	1437.1	1449.0	1429.0	1435.9	1402.8	1412.8	1380.6	1394.0
44.0	1223.9	1236.3	1214.2	1220.8	1190.2	1202.7	1172.3	1171.2
46.0	1035.8	1043.6	1026.8	1033.1	1002.7	1015.2	989.0	996.0
48.0	870.3	878.4	864.4	865.5	840.2	852.7	828.4	830.9
50.0	729.8	738.3	724.5	728.0	707.6	715.1	695.3	700.7
52.0	609.5	615.6	604.6	602.9	587.6	592.6	577.4	580.6
54.0	511.6	515.5	504.7	505.3	490.1	492.6	482.0	483.0
56.0	423.9	428.0	419.7	417.8	407.6	410.1	399.1	402.9
58.0	353.6	355.4	347.3	345.2	337.6	340.1	328.8	332.9
60.0	290.9	292.8	287.3	285.2	277.6	280.1	273.6	275.3
62.0	238.3	242.8	234.8	237.6	230.0	232.5	225.9	227.7
64.0	195.6	197.7	194.9	195.1	190.0	192.5	185.8	187.7
66.0	160.5	162.7	159.9	162.6	157.5	160.0	155.6	155.2
68.0	127.9	127.6	127.4	132.6	130.0	130.0	128.0	125.1
70.0	100.3	97.6	99.9	107.6	105.0	107.5	102.9	102.6
72.0	77.8	77.6	79.9	87.6	85.0	87.5	82.8	80.1
74.0	60.2	62.6	62.5	70.0	70.0	67.5	62.8	62.6
76.0	47.7	47.6	47.5	55.0	55.0	52.5	47.7	50.1
78.0	32.6	32.5	32.5	40.0	42.5	37.5	35.1	37.5
80.0	20.1	22.5	22.5	27.5	25.0	25.0	22.6	25.0
82.0	12.5	12.5	12.5	15.0	15.0	15.0	12.6	15.0
84.0	5.0	5.0	5.0	7.5	5.0	7.5	5.0	5.0
86.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
88.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
90.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

G/C [cd]	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0
0.0	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6
2.0	5786.1	5781.1	5773.6	5776.1	5773.6	5773.6	5758.4	5766.0
4.0	5758.6	5745.9	5741.0	5740.8	5741.0	5745.9	5725.7	5725.6
6.0	5703.6	5693.0	5678.3	5675.4	5670.9	5672.9	5657.6	5662.5
8.0	5628.7	5617.4	5598.0	5594.8	5578.2	5587.4	5564.4	5566.6
10.0	5528.8	5516.7	5495.2	5489.0	5468.0	5481.7	5430.8	5437.9
12.0	5408.8	5403.4	5372.3	5370.7	5335.2	5345.9	5289.7	5291.6

Intensity [cd] LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

G/C [cd]	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0
14.0	5256.4	5252.3	5216.8	5222.1	5177.4	5179.9	5128.4	5117.5
16.0	5076.6	5066.0	5026.2	5028.3	4987.1	4988.7	4924.3	4918.1
18.0	4869.2	4864.6	4813.0	4819.3	4769.2	4767.3	4710.1	4701.1
20.0	4639.4	4625.4	4574.7	4577.5	4526.2	4528.3	4468.1	4461.4
22.0	4367.0	4363.5	4298.8	4310.7	4263.2	4271.7	4211.1	4206.5
24.0	4077.2	4074.0	4010.4	4018.6	3967.6	3984.9	3916.2	3913.8
26.0	3767.5	3769.3	3709.4	3724.0	3669.5	3690.5	3616.3	3626.1
28.0	3442.7	3457.1	3393.4	3401.7	3351.4	3366.0	3303.9	3313.2
30.0	3115.4	3129.8	3072.4	3089.5	3035.8	3046.5	2988.8	2997.8
32.0	2778.1	2799.9	2741.3	2754.6	2707.7	2724.5	2661.2	2672.3
34.0	2453.3	2470.1	2422.8	2439.8	2394.6	2412.6	2348.7	2369.5
36.0	2136.1	2152.8	2106.8	2132.7	2089.0	2105.7	2051.4	2066.7
38.0	1856.2	1875.8	1833.4	1850.7	1811.0	1831.4	1781.7	1796.7
40.0	1588.9	1606.4	1570.1	1586.3	1553.0	1569.8	1532.2	1544.3
42.0	1356.6	1374.8	1339.3	1359.7	1330.1	1343.4	1313.0	1324.8
44.0	1151.7	1165.8	1133.6	1153.2	1129.7	1142.1	1116.4	1122.9
46.0	971.8	984.5	960.6	976.9	951.8	963.5	945.0	953.8
48.0	814.4	828.4	805.1	820.8	799.0	807.5	791.3	799.9
50.0	684.5	697.5	677.2	689.9	668.8	679.2	665.3	671.2
52.0	569.6	581.6	564.3	574.1	558.6	566.0	554.4	562.7
54.0	472.2	486.0	471.5	480.9	465.9	473.0	463.7	469.4
56.0	392.2	402.9	391.3	397.8	385.7	392.5	385.6	391.1
58.0	324.8	334.9	323.5	332.4	320.6	327.0	320.1	325.5
60.0	267.3	274.5	268.4	274.5	265.5	271.7	267.1	272.5
62.0	219.9	226.6	220.7	226.6	220.4	226.4	221.8	227.1
64.0	182.4	183.8	180.6	183.8	180.3	186.2	184.0	186.7
66.0	149.9	151.1	145.5	151.1	150.3	153.5	153.7	156.5
68.0	119.9	120.9	112.9	120.9	120.2	125.8	126.0	128.7
70.0	94.9	90.6	82.8	90.6	95.2	100.6	103.3	106.0
72.0	74.9	70.5	65.2	70.5	75.1	80.5	80.6	85.8
74.0	57.5	52.9	50.2	52.9	57.6	62.9	60.5	68.1
76.0	45.0	40.3	37.6	40.3	45.1	50.3	47.9	50.5
78.0	32.5	30.2	25.1	27.7	32.6	37.7	32.8	35.3
80.0	22.5	20.1	17.6	20.1	22.5	25.2	22.7	22.7
82.0	12.5	10.1	10.0	10.1	12.5	12.6	12.6	15.1
84.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	7.6
86.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
88.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
90.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

G/C [cd]	240.0	250.0	260.0	270.0	280.0	290.0	300.0	310.0
0.0	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6	5778.6
2.0	5750.9	5758.5	5748.5	5743.2	5743.4	5750.8	5740.7	5748.4
4.0	5720.8	5708.3	5700.8	5705.3	5693.2	5697.7	5687.7	5683.1
6.0	5645.4	5638.0	5630.6	5619.3	5615.3	5621.9	5609.5	5605.2
8.0	5549.9	5542.5	5530.3	5520.6	5512.3	5518.3	5506.1	5497.2
10.0	5421.7	5419.5	5387.3	5396.7	5371.6	5389.5	5367.3	5376.6
12.0	5270.9	5273.8	5236.8	5242.5	5215.8	5227.8	5210.8	5218.3
14.0	5087.4	5085.5	5056.3	5057.8	5034.9	5045.8	5019.0	5037.4
16.0	4886.3	4887.1	4843.1	4853.0	4818.8	4846.2	4819.7	4828.9
18.0	4665.1	4658.5	4612.3	4617.8	4587.7	4606.2	4597.6	4610.3
20.0	4411.2	4407.4	4359.0	4367.5	4339.0	4356.1	4335.2	4351.5
22.0	4154.9	4136.2	4083.1	4091.8	4062.6	4085.7	4060.2	4090.2
24.0	3868.3	3859.9	3802.2	3816.1	3778.7	3810.3	3775.0	3791.3
26.0	3574.2	3566.1	3508.8	3510.1	3479.7	3499.5	3469.7	3484.7
28.0	3260.0	3259.7	3200.3	3209.2	3168.2	3191.2	3149.2	3168.2
30.0	2948.4	2943.3	2896.8	2903.2	2859.1	2877.9	2833.8	2846.6
32.0	2626.6	2639.4	2588.3	2599.7	2547.6	2562.1	2513.3	2517.5

Intensity [cd] LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

G/C [cd]	240.0	250.0	260.0	270.0	280.0	290.0	300.0	310.0
34.0	2322.5	2328.0	2282.3	2296.3	2251.1	2258.9	2208.0	2221.0
36.0	2028.4	2041.7	1988.9	2000.4	1957.2	1968.3	1917.8	1929.5
38.0	1762.0	1770.5	1728.1	1742.4	1698.4	1708.1	1665.4	1673.3
40.0	1510.6	1521.9	1482.3	1487.0	1454.7	1457.9	1423.2	1432.1
42.0	1294.5	1300.9	1269.1	1277.1	1243.7	1255.8	1216.3	1228.6
44.0	1098.4	1107.5	1076.0	1079.9	1055.2	1053.6	1032.1	1040.1
46.0	927.5	936.7	910.4	915.5	889.4	897.0	868.1	879.4
48.0	776.7	788.6	765.0	768.8	748.7	747.9	729.3	736.1
50.0	653.5	660.5	644.6	649.9	630.6	629.2	610.7	618.1
52.0	545.4	552.5	536.7	541.2	527.6	525.6	509.7	515.0
54.0	457.5	462.1	451.5	455.2	439.7	439.6	423.9	427.1
56.0	382.1	384.2	376.2	379.3	369.3	366.4	353.3	354.3
58.0	319.2	321.5	313.5	316.1	306.5	305.7	295.2	296.5
60.0	263.9	266.2	260.8	263.0	253.8	252.7	244.8	246.2
62.0	221.2	223.5	215.7	220.0	211.0	212.2	204.4	206.0
64.0	183.5	183.3	178.1	182.1	175.9	176.9	169.1	170.8
66.0	150.8	153.2	148.0	151.7	145.7	146.5	141.3	143.2
68.0	125.7	125.6	120.4	118.9	118.1	121.3	118.6	118.1
70.0	103.1	103.0	95.3	93.6	95.5	101.1	98.4	98.0
72.0	82.9	85.4	75.2	75.9	77.9	80.9	80.7	77.9
74.0	67.9	67.8	60.2	60.7	60.3	65.7	65.6	60.3
76.0	55.3	52.7	45.1	48.0	45.2	53.1	50.5	47.7
78.0	40.2	40.2	32.6	32.9	30.1	37.9	37.9	32.7
80.0	25.1	27.6	20.1	20.2	20.1	25.3	22.7	20.1
82.0	12.6	15.1	12.5	12.6	10.0	12.6	12.6	10.0
84.0	5.0	5.0	5.0	5.1	5.0	5.1	5.0	5.0
86.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
88.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
90.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

G/C [cd]	320.0	330.0	340.0	350.0
0.0	5778.6	5778.6	5778.6	5778.6
2.0	5743.4	5750.8	5748.2	5760.9
4.0	5680.7	5695.2	5700.2	5705.5
6.0	5602.9	5621.9	5616.7	5639.9
8.0	5502.5	5520.8	5513.1	5546.6
10.0	5366.9	5404.5	5404.3	5425.6
12.0	5208.8	5242.7	5257.6	5287.0
14.0	5028.0	5068.3	5078.1	5110.5
16.0	4817.2	4861.0	4865.6	4913.8
18.0	4596.3	4643.6	4638.0	4694.5
20.0	4335.2	4383.2	4390.2	4437.3
22.0	4066.6	4117.8	4112.0	4170.1
24.0	3772.9	3824.6	3816.1	3872.6
26.0	3466.7	3516.2	3505.1	3570.0
28.0	3142.8	3195.2	3186.4	3239.7
30.0	2819.0	2876.7	2865.3	2927.1
32.0	2497.7	2548.0	2536.5	2599.4
34.0	2191.4	2239.6	2228.0	2294.3
36.0	1900.3	1948.9	1939.7	1999.3
38.0	1651.7	1688.6	1684.3	1737.1
40.0	1413.3	1445.9	1444.0	1492.6
42.0	1207.4	1236.1	1234.1	1278.2
44.0	1026.7	1049.0	1047.0	1081.6
46.0	863.5	882.2	882.6	912.7
48.0	723.0	740.7	735.9	766.4
50.0	605.0	619.3	617.1	640.4
52.0	504.6	513.1	513.4	532.0

Intensity [cd] LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

G/C [cd]	320.0	330.0	340.0	350.0
54.0	416.7	427.2	424.9	443.7
56.0	346.4	353.9	351.5	368.1
58.0	288.7	295.8	290.8	305.1
60.0	241.0	245.2	240.2	252.1
62.0	200.8	204.8	199.8	206.7
64.0	165.7	169.4	164.4	168.9
66.0	140.6	141.6	136.6	136.1
68.0	115.5	113.8	108.7	108.4
70.0	92.9	91.0	86.0	80.7
72.0	72.8	70.8	68.3	63.0
74.0	55.2	55.6	50.6	47.9
76.0	42.7	45.5	37.9	35.3
78.0	30.1	32.9	27.8	25.2
80.0	20.1	20.2	17.7	15.1
82.0	10.0	10.1	10.1	7.6
84.0	5.0	5.1	2.5	2.5
86.0	2.5	2.5	2.5	2.5
88.0	2.5	2.5	2.5	2.5
90.0	2.5	2.5	2.5	2.5

PHOTOMETRIC RESULTS

File Name:	LIICHT 482-QL17-S04 L300244		
Sample Number:	482-QL17-S04		
Report Number:			
Model:	L300244		
Flux:	6545 lm	Flux 2	0.00 lm
Date:	12/05/2017 10.41.13		
Manufacturer:	LIICHT		

Electrical protocol LIICHT 482-QL17-S04 L300244 / C0 to C355 in 5 - Gamma 0 to 90

[deg]	U [V]	I [A]	P [W]	PF
0.0	230.05	0.258	57.2	0.9636
10.0	230.06	0.258	57.2	0.9636
20.0	230.05	0.258	57.2	0.9636
30.0	230.05	0.258	57.2	0.9636
40.0	230.05	0.258	57.2	0.9636
50.0	230.06	0.258	57.2	0.9636
60.0	230.05	0.258	57.2	0.9636
70.0	230.06	0.258	57.2	0.9636
80.0	230.06	0.258	57.1	0.9636
90.0	230.05	0.258	57.1	0.9636
100.0	230.06	0.258	57.1	0.9636
110.0	230.06	0.258	57.1	0.9636
120.0	230.05	0.258	57.1	0.9636
130.0	230.05	0.258	57.1	0.9636
140.0	230.06	0.258	57.1	0.9636
150.0	230.06	0.258	57.1	0.9636
160.0	230.06	0.258	57.1	0.9636
170.0	230.06	0.258	57.1	0.9636
180.0	230.05	0.258	57.1	0.9636
190.0	230.06	0.257	57.1	0.9636
200.0	230.05	0.257	57.1	0.9636
210.0	230.06	0.257	57.0	0.9636
220.0	230.05	0.257	57.1	0.9637
230.0	230.06	0.257	57.1	0.9637
240.0	230.06	0.257	57.0	0.9636
250.0	230.06	0.257	57.0	0.9637
260.0	230.05	0.257	57.0	0.9637
270.0	230.06	0.257	57.0	0.9636
280.0	230.06	0.257	57.0	0.9637
290.0	230.06	0.257	57.0	0.9636
300.0	230.06	0.257	57.0	0.9637
310.0	230.06	0.257	57.0	0.9636
320.0	230.06	0.257	57.0	0.9637
330.0	230.06	0.257	57.0	0.9637
340.0	230.06	0.257	57.0	0.9637
350.0	230.06	0.257	57.0	0.9637