

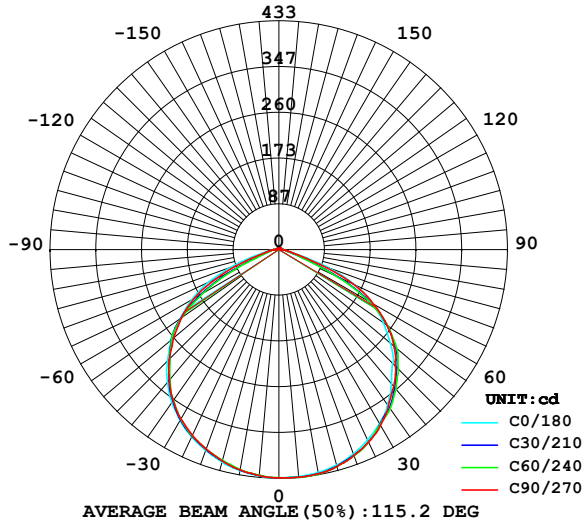
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 0000735

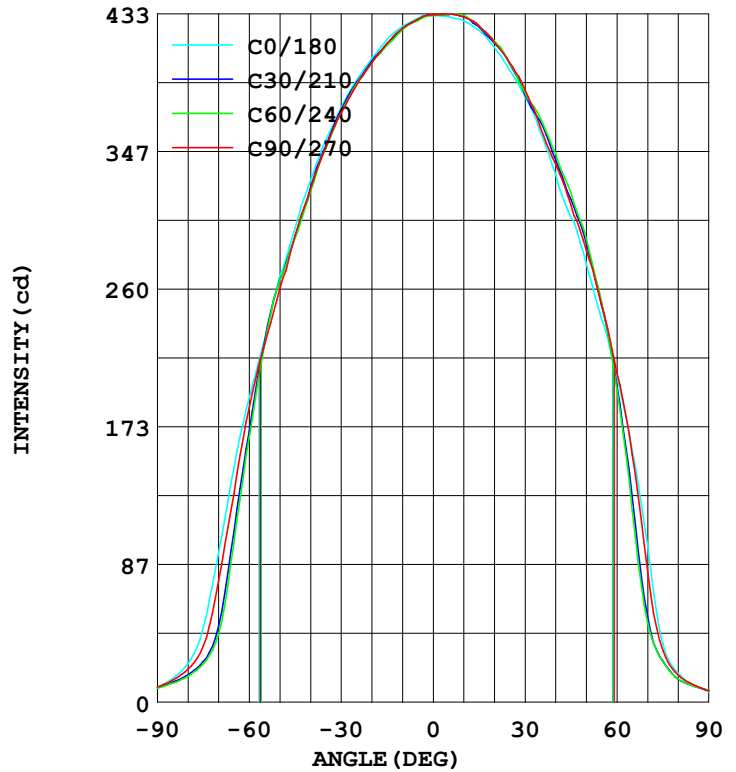
MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: LLFS8 BT60 CW 120D 24VDC IP44S	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE	DIMENSION: 1000X12.5X7mm SERIAL No.: ---	

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	LLFS8	Imax (cd)	433.3	S/MH (C0/180)	1.29
NOMINAL POWER (W)	12	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	1207.1	$\eta$ UP (C0-180)	
NOMINAL FLUX (lm)	1207.2	EFFICIENCY (lm/W)	DIRECT	$\eta$ DN (C0-180)	
LAMPS QUANTITY	1	$\eta$ up (%)	1.9	$\eta$ UP (C180-360)	
TEST VOLTAGE (V)	220.8	$\eta$ down (%)	98.1	$\eta$ DN (C180-360)	

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



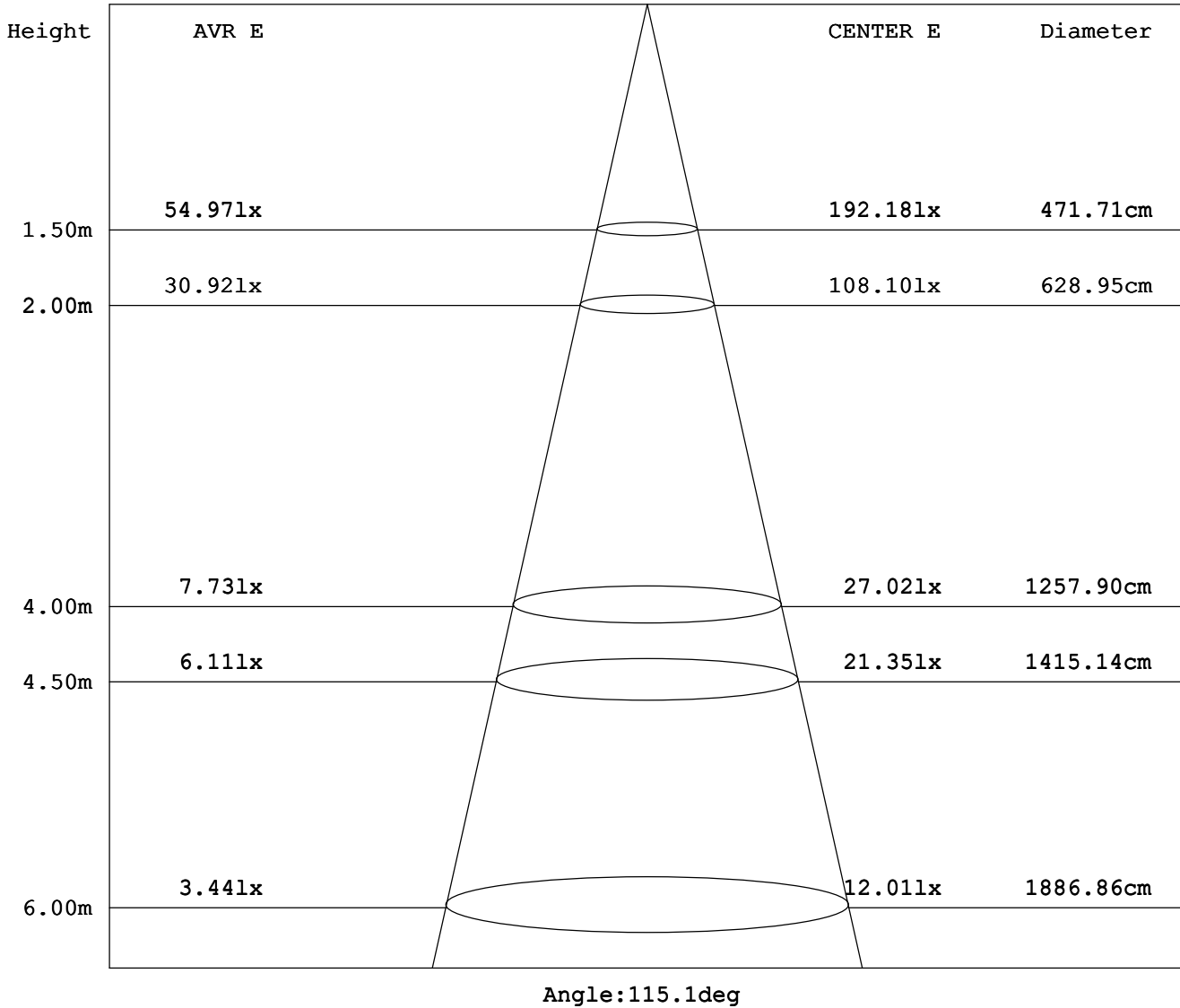
Test System: LSG-1600  
 Temperature: 25 DEG  
 Operators: FATMA KARA  
 Test Date: 08-21-2015

Test Set: 2.0 deg/s C-Gamma (TYPE C)  
 Humidity: 55%  
 Test Distance: 9.545 m  
 Remarks: LLFS8 BT60 CW 120D 24VDC IP44S

## AVERAGE AND CENTER E Figure

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## ZONAL FLUX DIAGRAM

Report number: 0000735

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
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SPECIFICATION: LED LINE	DIMENSION: 1000X12.5X7mm	SERIAL No.: ---

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total
5.0	430.3	428.6	429.7	430.9	431.3	433.1	432.7	431.8	0- 5	10.31	10.31
10.0	425.1	422.8	423.8	426.4	428.6	432.1	431.2	427.5	5- 10	30.67	40.99
15.0	416.9	412.9	414.5	418.7	422.5	425.8	425.4	420.5	10- 15	50.14	91.13
20.0	405.0	401.3	402.3	408.1	412.0	416.4	415.1	410.0	15- 20	68.10	159.2
25.0	391.1	388.2	388.2	393.7	397.6	403.1	402.5	396.0	20- 25	84.07	243.3
30.0	373.9	370.6	370.8	375.6	381.4	384.7	385.2	379.0	25- 30	97.37	340.6
35.0	353.6	347.7	348.9	354.4	358.6	369.0	361.8	357.3	30- 35	107.4	448.1
40.0	328.4	319.7	322.8	327.7	332.0	347.0	338.4	331.7	35- 40	113.9	562.0
45.0	298.6	293.8	293.8	300.3	305.0	323.3	312.5	301.5	40- 45	116.3	678.4
50.0	268.1	263.5	259.8	265.3	275.8	293.0	284.3	269.3	45- 50	114.9	793.4
55.0	228.4	219.4	225.3	226.3	241.3	257.1	250.5	231.8	50- 55	108.7	902.1
60.0	191.6	159.8	185.6	183.5	204.5	203.7	207.2	189.1	55- 60	96.14	998.3
65.0	147.4	92.74	131.1	139.4	158.5	126.0	155.7	144.0	60- 65	76.73	1075
70.0	94.20	37.90	76.43	96.57	98.85	53.93	82.99	100.1	65- 70	51.43	1126
75.0	46.73	21.41	35.34	57.57	36.80	28.51	32.79	59.76	70- 75	29.29	1156
80.0	24.32	14.48	20.77	27.33	18.31	16.49	16.94	27.60	75- 80	15.48	1171
85.0	14.94	10.38	13.84	9.384	10.84	11.66	11.02	9.384	80- 85	8.199	1179
90.0	9.566	7.652	9.475	2.459	6.559	8.564	7.197	3.462	85- 90	4.708	1184
95.0	6.104	5.375	6.377	2.186	3.826	6.104	4.282	3.188	90- 95	2.963	1187
100.0	4.828	4.373	5.010	2.368	3.097	4.828	3.279	3.097	95-100	2.248	1189
105.0	4.282	3.735	4.282	3.006	2.915	3.917	2.915	3.006	100-105	1.914	1191
110.0	3.826	3.553	3.917	2.915	2.915	3.644	2.824	3.279	105-110	1.748	1193
115.0	3.553	3.462	3.735	2.824	2.915	3.644	2.915	3.097	110-115	1.645	1195
120.0	3.553	3.370	3.644	2.824	2.915	3.553	2.915	3.188	115-120	1.565	1196
125.0	3.553	3.370	3.644	2.915	3.006	3.462	3.006	3.188	120-125	1.502	1198
130.0	3.735	3.462	3.735	3.006	3.188	3.370	3.097	3.188	125-130	1.438	1199
135.0	3.826	3.644	3.826	3.097	3.279	3.462	3.279	3.279	130-135	1.376	1201
140.0	3.826	3.735	3.826	3.188	3.370	3.644	3.462	3.370	135-140	1.299	1202
145.0	3.826	3.917	3.735	3.279	3.462	3.735	3.553	3.462	140-145	1.194	1203
150.0	3.735	3.917	3.735	3.370	3.553	3.826	3.553	3.462	145-150	1.065	1204
155.0	3.735	3.917	3.553	3.370	3.553	3.917	3.462	3.553	150-155	0.924	1205
160.0	3.553	3.735	3.735	3.462	3.644	4.008	3.462	3.553	155-160	0.759	1206
165.0	3.553	3.735	3.644	3.462	3.462	3.735	3.462	3.644	160-165	0.593	1206
170.0	3.644	3.644	3.644	3.553	3.553	3.644	3.553	3.644	165-170	0.425	1207
175.0	3.644	3.644	3.644	3.553	3.553	3.735	3.553	3.644	170-175	0.258	1207
180.0	3.644	3.644	3.644	3.644	3.644	3.644	3.553	3.644	175-180	0.086	1207
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

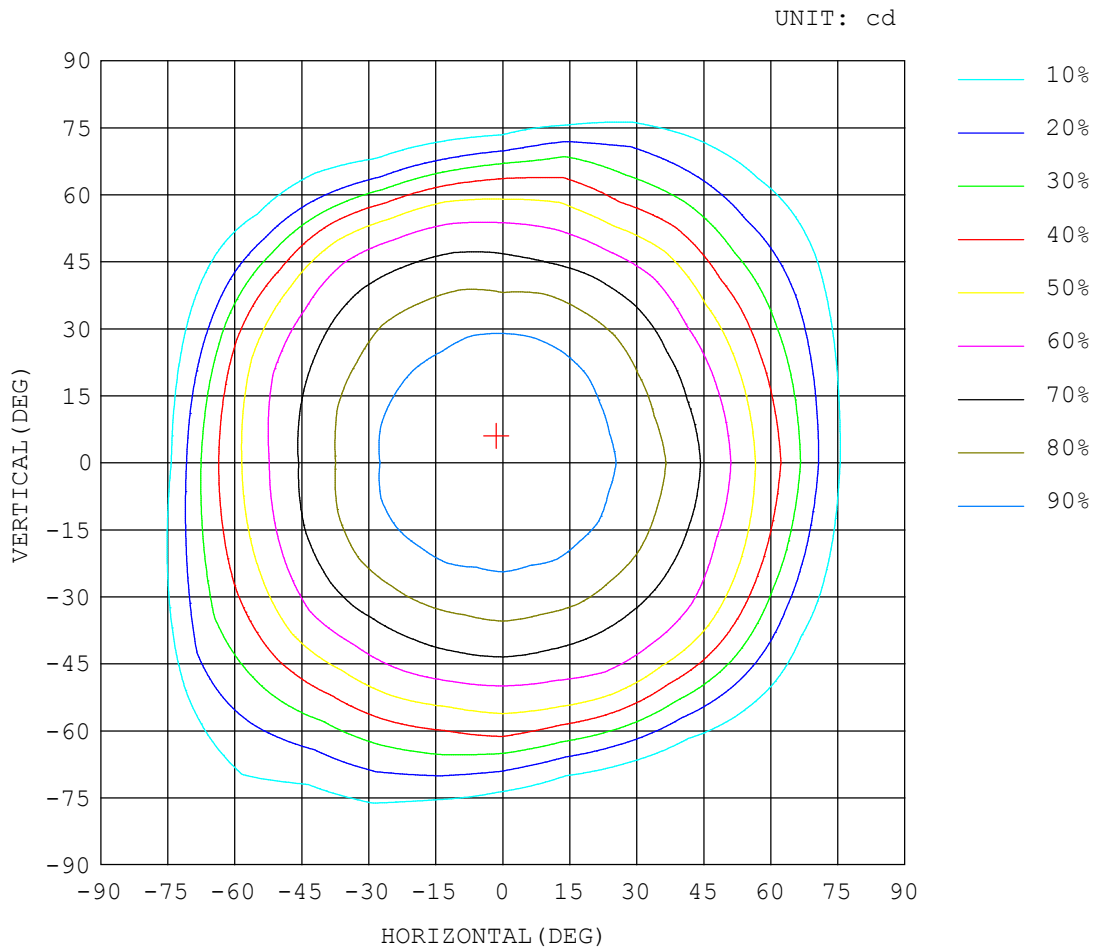
Test System: LSG-1600  
 Temperature: 25DEG  
 Operators: FATMA KARA  
 Test Date: 08-21-2015

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity: 55%  
 Test Distance: 9.545 m  
 Remarks: LLFS8 BT60 CW 120D 24VDC IP44S

## ISOCANDELA DIAGRAM

Report number: 0000735

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: LLFS8 BT60 CW 120D 24VDC IP44S	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE	DIMENSION: 1000X12.5X7mm SERIAL No.: ---	



Test System: LSG-1600  
Temperature: 25 DEG  
Operators: FATMA KARA  
Test Date: 08-21-2015

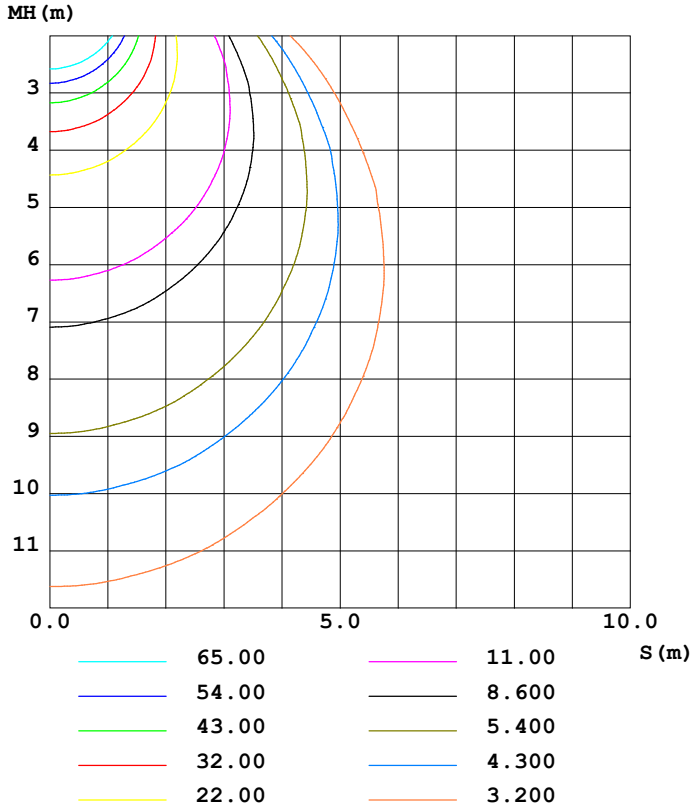
Test Set: 2.0 deg/s C-Gamma (TYPE C)  
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## ISOLUX DIAGRAM

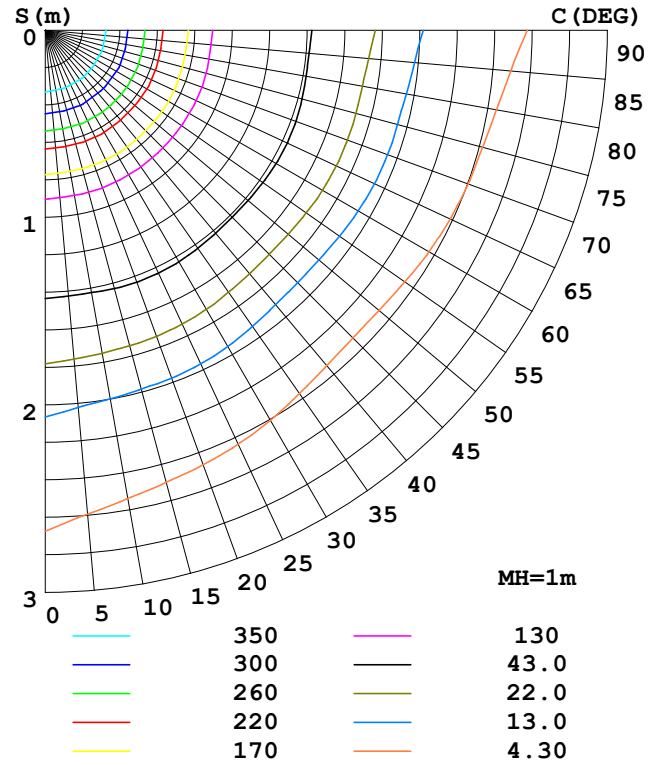
Report number: 0000735

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: LLFS8 BT60 CW 120D 24VDC IP44S	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE	DIMENSION: 1000X12.5X7mm SERIAL No.: ---	

C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



PLANAR ISOLUX DIAGRAM (UNIT: lx)



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## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000735

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: LLFS8 BT60 CW 120D 24VDC IP44S	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE	DIMENSION: 1000X12.5X7mm	SERIAL No.: ---

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	432	432	432	432	432	432	432	432	433	433	433	433	432	432	432
5.0	430	429	429	429	429	429	430	430	431	431	431	431	431	432	433
10.0	425	424	424	423	423	423	424	424	426	426	427	428	429	430	431
15.0	417	414	414	413	413	413	415	415	417	419	421	423	423	424	425
20.0	405	403	403	401	402	401	402	403	406	408	411	413	412	414	415
25.0	391	389	390	388	389	386	388	387	392	394	398	402	398	402	402
30.0	374	372	373	371	371	369	371	368	373	376	382	384	381	384	382
35.0	354	351	350	348	349	346	349	347	350	354	361	363	359	360	366
40.0	328	324	324	320	321	320	323	322	324	328	337	338	332	341	341
45.0	299	294	293	294	292	290	294	294	295	300	308	310	305	313	316
50.0	268	260	266	264	266	259	260	260	264	265	275	278	276	285	289
55.0	228	226	227	219	225	222	225	221	226	226	240	239	241	253	250
60.0	192	180	171	160	167	169	186	180	184	184	197	202	205	209	199
65.0	147	122	107	92.7	100	108	131	140	142	139	154	162	159	151	129
70.0	94.2	62.3	47.9	37.9	43.0	49.2	76.4	93.8	101	96.5	111	125	98.8	73.6	54.2
75.0	46.7	28.3	25.6	21.4	24.1	23.7	35.3	50.1	62.7	57.5	72.0	79.4	36.8	31.2	25.7
80.0	24.3	17.3	17.2	14.4	16.3	15.5	20.7	23.5	31.9	27.3	40.7	28.5	18.3	18.0	14.4
85.0	14.9	11.7	12.5	10.3	11.9	11.0	13.8	12.9	14.3	9.38	15.0	12.4	10.8	12.4	10.2
90.0	9.56	8.10	9.20	7.65	8.83	7.74	9.47	7.28	6.65	2.45	5.19	6.28	6.55	8.65	7.37
95.0	6.10	5.28	6.46	5.37	6.37	5.37	6.37	4.46	4.46	2.18	3.55	3.37	3.82	5.64	4.91
100.0	4.82	4.09	5.19	4.37	5.19	4.28	5.01	3.55	3.91	2.36	3.27	2.91	3.09	4.37	3.73
105.0	4.28	3.46	4.28	3.73	4.28	3.55	4.28	3.27	3.37	3.00	3.64	2.91	2.91	3.73	3.00
110.0	3.82	3.27	4.00	3.55	4.09	3.37	3.91	3.00	3.27	2.91	3.64	2.73	2.91	3.55	3.00
115.0	3.55	3.18	3.82	3.46	3.91	3.27	3.73	2.82	3.18	2.82	3.46	2.64	2.91	3.55	3.09
120.0	3.55	3.18	3.73	3.37	3.73	3.27	3.64	2.91	3.27	2.82	3.27	2.82	2.91	3.46	3.09
125.0	3.55	3.27	3.73	3.37	3.73	3.27	3.64	3.09	3.37	2.91	3.27	3.00	3.00	3.37	3.09
130.0	3.73	3.46	3.73	3.46	3.73	3.46	3.73	3.27	3.37	3.00	3.37	3.18	3.18	3.46	3.09
135.0	3.82	3.55	3.82	3.64	3.82	3.55	3.82	3.46	3.46	3.09	3.27	3.37	3.27	3.55	3.18
140.0	3.82	3.64	4.00	3.73	4.00	3.73	3.82	3.27	3.37	3.18	3.37	3.46	3.37	3.64	3.37
145.0	3.82	3.82	4.00	3.91	4.09	3.82	3.73	3.18	3.46	3.27	3.46	3.37	3.46	3.64	3.55
150.0	3.73	3.82	4.09	3.91	4.19	3.73	3.73	3.27	3.46	3.37	3.55	3.37	3.55	3.64	3.64
155.0	3.73	3.64	4.00	3.91	4.09	3.64	3.55	3.55	3.55	3.37	3.64	3.46	3.55	3.73	3.73
160.0	3.55	3.64	3.64	3.73	3.73	3.64	3.73	3.37	3.55	3.46	3.64	3.46	3.64	3.64	3.64
165.0	3.55	3.46	3.55	3.73	3.64	3.55	3.64	3.46	3.64	3.46	3.64	3.46	3.46	3.82	3.64
170.0	3.64	3.55	3.64	3.64	3.73	3.55	3.64	3.55	3.55	3.55	3.64	3.64	3.55	3.55	3.46
175.0	3.64	3.55	3.64	3.64	3.64	3.55	3.64	3.55	3.64	3.55	3.64	3.55	3.55	3.73	3.64
180.0	3.64	3.55	3.64	3.64	3.64	3.55	3.64	3.55	3.55	3.64	3.64	3.55	3.64	3.64	3.55

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SPECIFICATION: LED LINE	DIMENSION: 1000X12.5X7mm	SERIAL No.: ---

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	432	432	432	432	432	433	433	433	433
5.0	433	433	433	433	432	432	432	431	431
10.0	432	432	432	431	430	428	428	426	425
15.0	426	426	426	425	425	422	421	418	417
20.0	416	416	417	415	416	413	410	406	405
25.0	403	402	405	403	403	400	396	391	389
30.0	385	383	386	385	386	383	379	373	370
35.0	369	368	367	362	365	361	357	350	348
40.0	347	345	345	338	339	334	332	323	323
45.0	323	320	319	313	308	305	302	294	292
50.0	293	291	290	284	278	273	269	257	261
55.0	257	252	255	251	246	234	232	218	221
60.0	204	197	208	207	211	189	189	175	180
65.0	126	121	141	156	170	149	144	131	135
70.0	53.9	50.1	64.8	82.9	120	112	100	88.2	93.3
75.0	28.5	25.5	29.6	32.7	53.4	70.6	59.7	50.1	52.9
80.0	16.4	14.5	17.7	16.9	22.7	26.0	27.6	22.0	25.0
85.0	11.6	10.2	12.2	11.0	13.0	9.65	9.38	7.47	12.4
90.0	8.56	7.47	8.83	7.19	7.74	4.00	3.46	2.82	6.65
95.0	6.10	5.10	5.92	4.28	4.73	2.55	3.18	2.27	4.64
100.0	4.82	3.91	4.46	3.27	3.91	2.64	3.09	2.18	4.00
105.0	3.91	3.09	3.64	2.91	3.64	2.36	3.00	2.45	3.64
110.0	3.64	3.00	3.46	2.82	3.37	2.55	3.27	2.64	3.18
115.0	3.64	3.09	3.55	2.91	3.18	2.55	3.09	2.64	3.27
120.0	3.55	3.09	3.46	2.91	3.18	2.73	3.18	2.73	3.46
125.0	3.46	3.09	3.37	3.00	3.37	2.91	3.18	2.82	3.55
130.0	3.37	3.00	3.37	3.09	3.46	3.09	3.18	2.91	3.55
135.0	3.46	3.18	3.55	3.27	3.55	3.00	3.27	3.00	3.55
140.0	3.64	3.37	3.64	3.46	3.64	3.18	3.37	3.09	3.55
145.0	3.73	3.55	3.73	3.55	3.64	3.37	3.46	3.18	3.46
150.0	3.82	3.64	3.82	3.55	3.55	3.27	3.46	3.27	3.37
155.0	3.91	3.64	3.82	3.46	3.64	3.46	3.55	3.37	3.55
160.0	4.00	3.64	3.64	3.46	3.46	3.46	3.55	3.46	3.46
165.0	3.73	3.64	3.82	3.46	3.55	3.55	3.64	3.46	3.55
170.0	3.64	3.46	3.55	3.55	3.64	3.46	3.64	3.46	3.55
175.0	3.73	3.64	3.64	3.55	3.55	3.55	3.64	3.55	3.64
180.0	3.64	3.64	3.64	3.55	3.64	3.55	3.64	3.55	3.55

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