

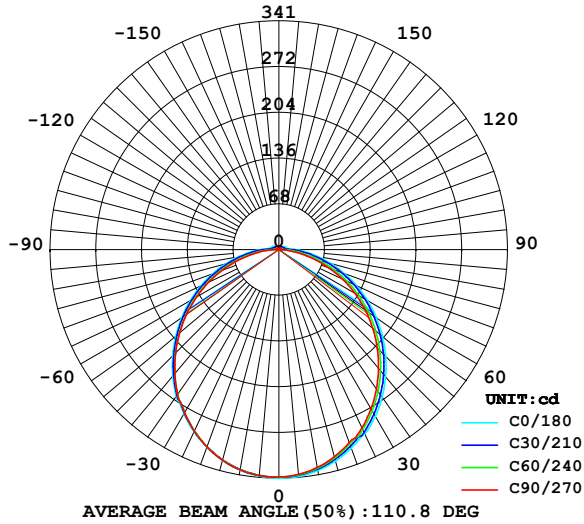
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 0000735

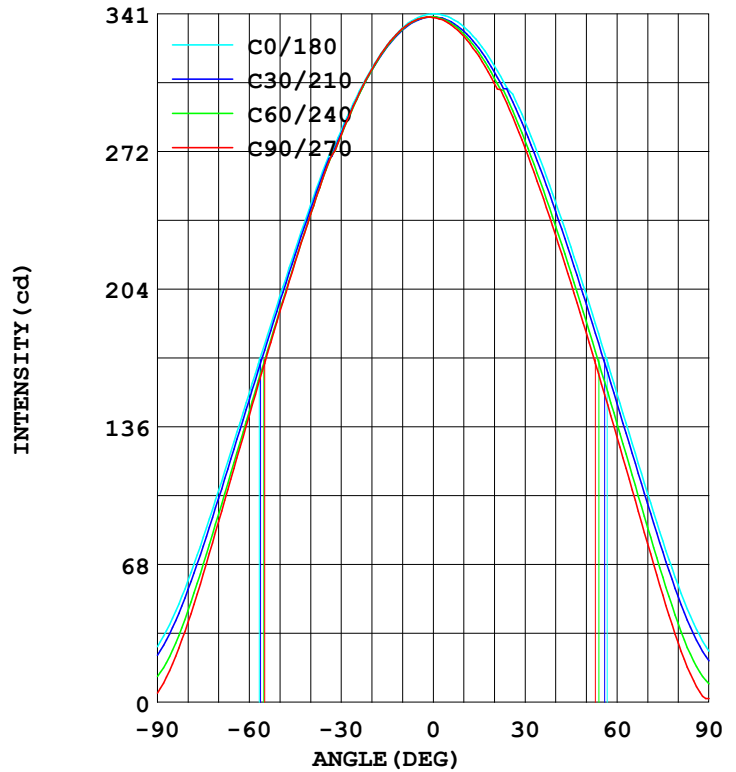
MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: LLFS8 BT60 CW 120D 24VDC IP44D	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE	DIMENSION: 1000X12.5X7mm SERIAL No.: ---	

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	LLFS8	Imax (cd)	340.5	S/MH (C0/180)	1.24
NOMINAL POWER (W)	12	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	991.76	$\eta$ UP (C0-180)	
NOMINAL FLUX (lm)	991.8	EFFICIENCY (lm/W)	DIRECT	$\eta$ DN (C0-180)	
LAMPS QUANTITY	1	$\eta$ up (%)	3.6	$\eta$ UP (C180-360)	
TEST VOLTAGE (V)	220.9	$\eta$ down (%)	96.4	$\eta$ DN (C180-360)	

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



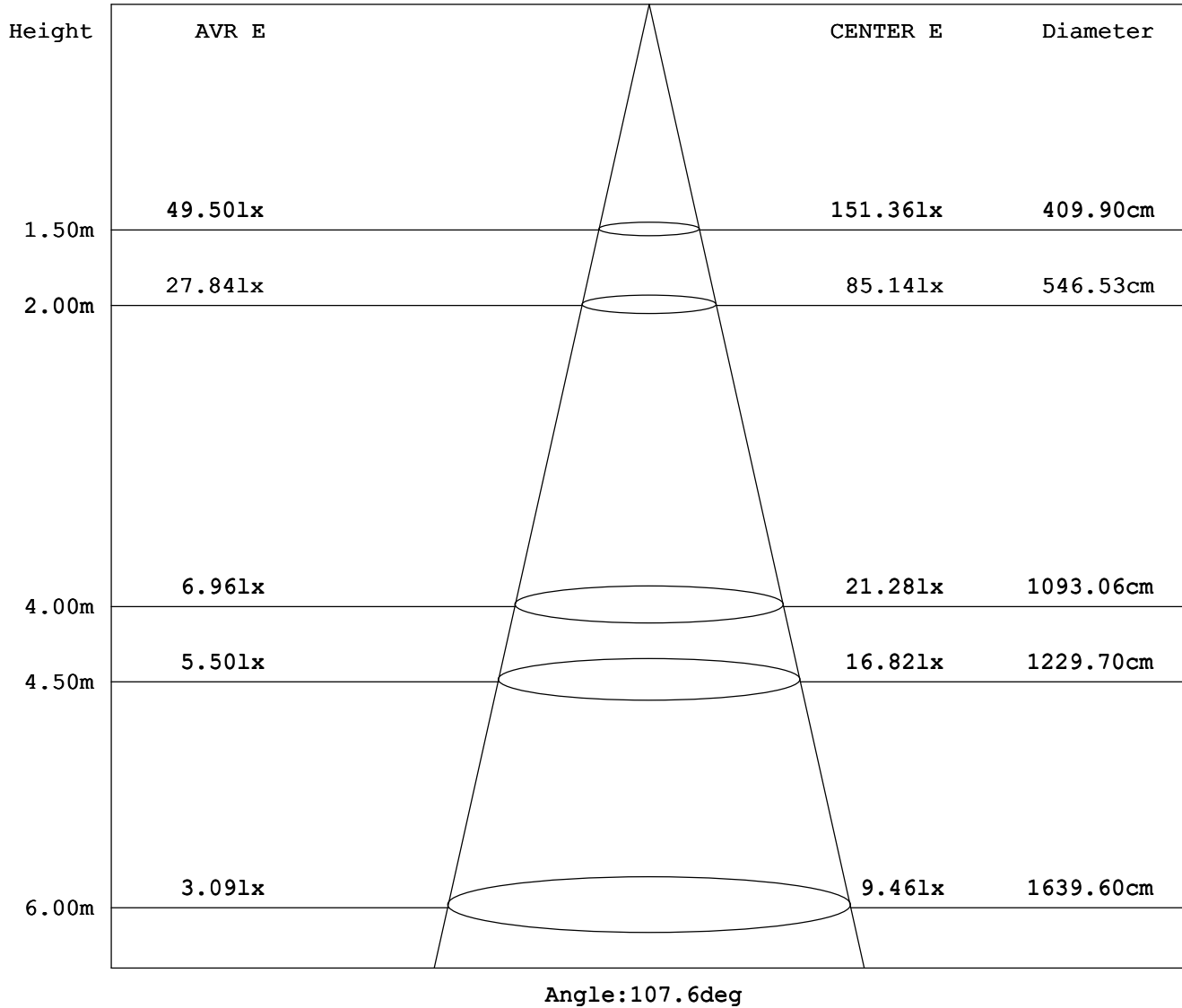
Test System: LSG-1600  
 Temperature: 25 DEG  
 Operators: FATMA KARA  
 Test Date: 08-21-2015

Test Set: 2.0 deg/s C-Gamma (TYPE C)  
 Humidity: 58%  
 Test Distance: 9.545 m  
 Remarks: LLFS8 BT60 CW 120D 24VDC IP44D

## AVERAGE AND CENTER E Figure

Report number: 0000735

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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	338.6	337.0	337.8	338.0	339.0	336.9	335.9	335.9	0- 5	8.078	8.078
10.0	333.4	331.8	333.1	333.7	334.1	331.5	329.3	329.8	5- 10	23.89	31.97
15.0	324.9	323.2	324.7	325.9	325.9	322.8	319.4	320.1	10- 15	38.76	70.73
20.0	313.6	311.1	313.1	314.8	314.8	310.9	306.1	307.4	15- 20	52.10	122.8
25.0	299.3	299.4	298.2	302.4	302.3	296.3	293.0	292.0	20- 25	63.59	186.4
30.0	282.7	281.7	280.5	286.8	287.1	279.1	274.2	274.3	25- 30	72.78	259.2
35.0	266.5	261.7	263.2	267.3	268.2	262.5	253.3	257.1	30- 35	79.39	338.6
40.0	245.8	240.2	241.1	246.1	247.2	241.5	230.8	235.6	35- 40	83.22	421.8
45.0	223.6	217.1	217.5	223.3	225.1	219.0	207.3	212.9	40- 45	84.11	505.9
50.0	200.7	193.1	193.0	199.4	201.6	195.4	182.6	189.2	45- 50	82.33	588.3
55.0	177.0	168.8	167.6	174.9	177.3	171.2	157.2	165.1	50- 55	78.06	666.3
60.0	152.7	143.7	141.7	149.7	152.8	146.3	131.4	140.2	55- 60	71.51	737.8
65.0	128.7	118.7	115.7	124.3	128.0	120.9	105.0	115.0	60- 65	62.99	800.8
70.0	104.6	94.11	89.37	99.30	103.3	95.93	78.53	90.28	65- 70	52.84	853.7
75.0	81.54	70.06	63.41	74.61	79.71	71.24	52.93	66.14	70- 75	41.60	895.3
80.0	60.13	47.92	39.26	51.56	57.85	48.46	29.33	44.27	75- 80	30.08	925.4
85.0	41.63	29.51	18.95	32.16	39.08	29.88	10.65	26.78	80- 85	19.46	944.8
90.0	27.51	16.58	4.464	17.85	25.32	16.85	1.822	15.21	85- 90	11.16	956.0
95.0	17.31	9.384	3.735	8.837	15.57	9.566	2.277	9.475	90- 95	6.237	962.2
100.0	13.30	7.288	3.644	6.468	12.20	7.470	2.368	8.017	95-100	4.409	966.6
105.0	10.93	6.468	4.008	5.830	9.839	6.741	2.277	6.833	100-105	3.593	970.2
110.0	10.93	5.648	3.644	5.284	9.748	6.013	2.550	5.830	105-110	3.150	973.4
115.0	10.47	4.919	3.370	4.919	9.475	5.648	2.459	5.193	110-115	2.881	976.3
120.0	9.657	4.190	3.097	4.555	9.019	4.737	2.459	4.464	115-120	2.635	978.9
125.0	8.017	4.099	2.915	4.373	7.835	4.737	2.459	4.373	120-125	2.300	981.2
130.0	6.195	4.099	2.824	4.373	5.739	4.737	2.550	4.373	125-130	1.930	983.1
135.0	5.921	3.917	2.915	4.373	5.557	4.555	2.642	4.190	130-135	1.722	984.9
140.0	5.648	3.735	2.915	4.190	5.375	4.464	2.642	3.917	135-140	1.534	986.4
145.0	5.375	3.188	2.915	4.099	5.193	4.373	2.733	3.644	140-145	1.331	987.7
150.0	5.010	3.097	3.006	4.008	4.919	4.099	2.824	3.553	145-150	1.131	988.9
155.0	4.646	3.097	3.006	3.826	4.646	3.462	2.915	3.279	150-155	0.929	989.8
160.0	3.735	3.279	3.097	3.370	4.464	3.462	3.006	3.097	155-160	0.722	990.5
165.0	3.644	3.006	3.097	3.006	3.553	3.097	3.006	3.006	160-165	0.534	991.0
170.0	3.279	3.097	3.097	3.188	3.097	3.279	3.097	3.188	165-170	0.374	991.4
175.0	3.279	3.097	3.188	3.188	3.370	3.097	3.097	3.188	170-175	0.227	991.6
180.0	3.279	3.097	3.188	3.006	3.279	3.097	3.097	3.097	175-180	0.075	991.7
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

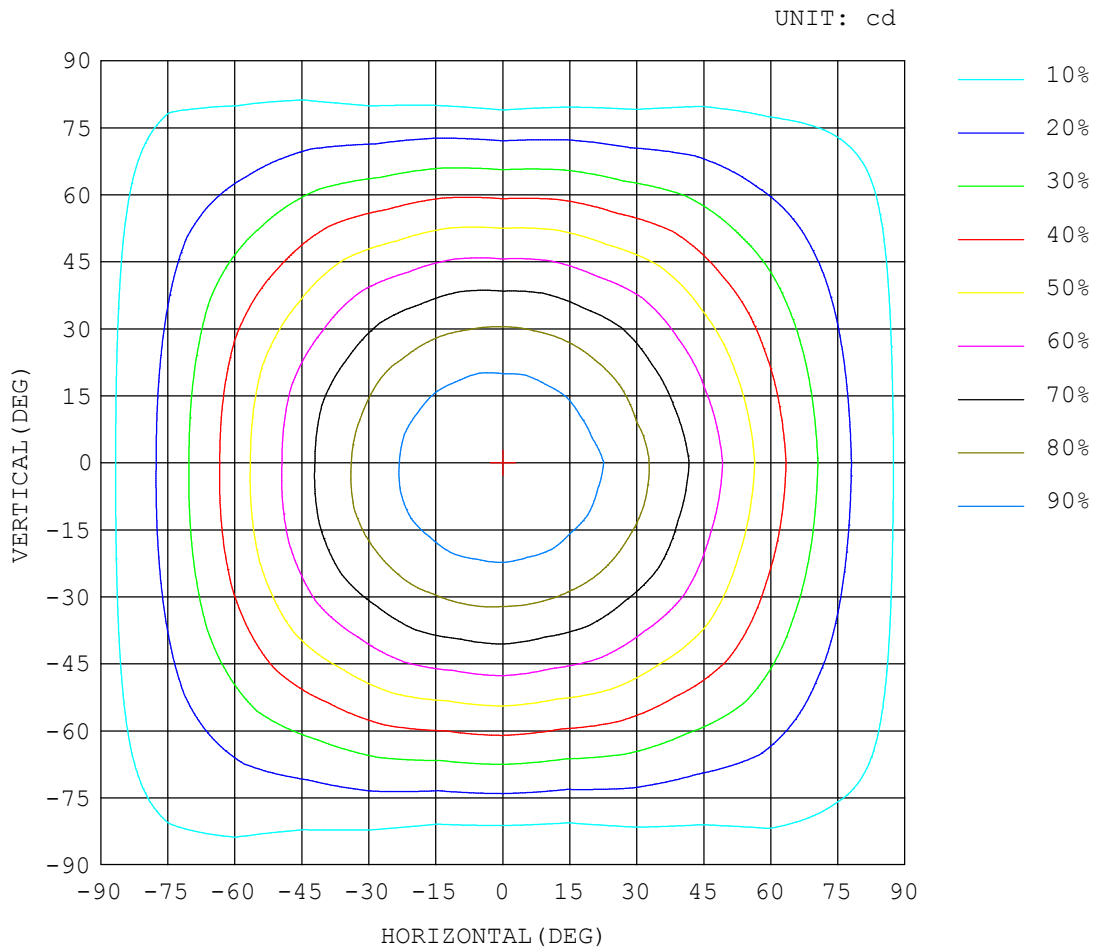
Test System: LSG-1600  
 Temperature: 25DEG  
 Operators: FATMA KARA  
 Test Date: 08-21-2015

Test Set: 2.0deg/s C-Gamma (TYPE C)  
 Humidity: 58%  
 Test Distance: 9.545 m  
 Remarks: LLFS8 BT60 CW 120D 24VDC IP44D

## ISOCANDELA DIAGRAM

Report number: 0000735

MANUFACTURER: Fiberli	Address: PSL ELEKTRONİK ANTALYA	
NAME: LLFS8 BT60 CW 120D 24VDC IP44D	TYPE: LED LINE	WEIGHT: ---
SPECIFICATION: LED LINE	DIMENSION: 1000X12.5X7mm SERIAL No.: ---	



Test System: LSG-1600  
Temperature: 25DEG  
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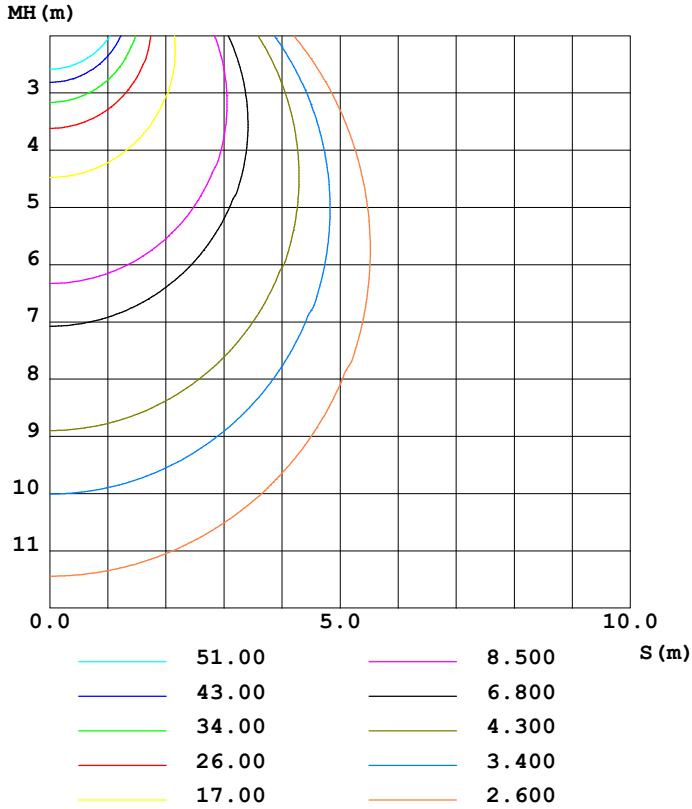
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## ISOLUX DIAGRAM

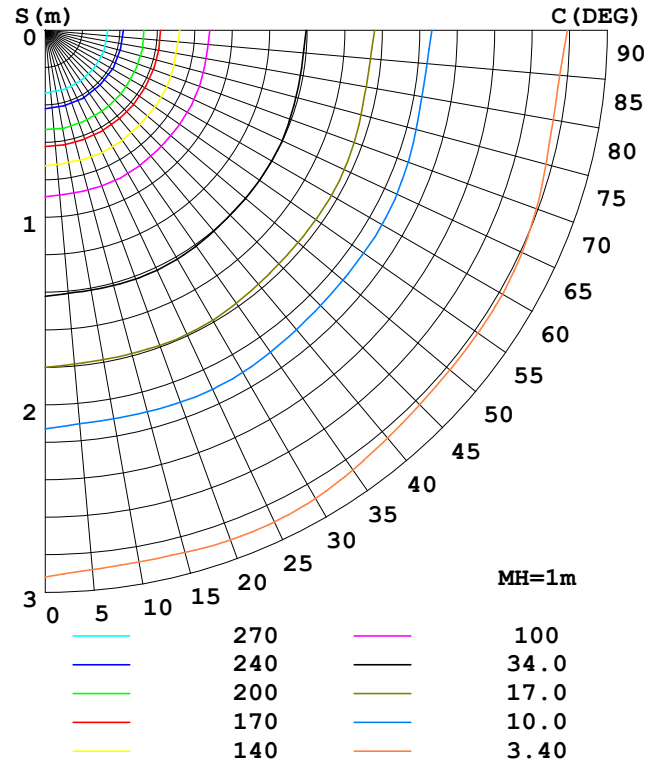
Report number: 0000735

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NAME: LLFS8 BT60 CW 120D 24VDC IP44D	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 IP44D	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	341	339	339	339	339	339	339	339	339	339	339	338	341	339	339
5.0	339	337	337	337	338	338	338	338	338	338	338	338	339	338	337
10.0	333	332	332	332	333	333	333	333	334	334	334	334	334	333	332
15.0	325	324	324	323	324	324	325	325	326	326	327	327	326	325	323
20.0	314	312	313	311	313	312	313	313	315	315	317	316	315	314	312
25.0	299	300	298	299	298	299	298	301	301	302	303	303	302	300	300
30.0	283	283	281	282	280	281	281	283	284	287	287	290	287	284	283
35.0	267	264	265	262	263	261	263	263	267	267	271	271	268	268	264
40.0	246	243	244	240	241	238	241	241	245	246	251	251	247	248	243
45.0	224	221	221	217	218	215	218	217	222	223	229	229	225	226	220
50.0	201	197	198	193	194	190	193	192	198	199	206	206	202	203	197
55.0	177	173	174	169	169	165	168	167	173	175	182	182	177	179	173
60.0	153	149	150	144	144	139	142	141	148	150	157	158	153	154	148
65.0	129	125	125	119	119	113	116	115	122	124	132	133	128	129	123
70.0	105	101	101	94.1	93.0	86.9	89.3	88.6	96.5	99.3	108	108	103	105	98.2
75.0	81.5	77.6	77.2	70.0	68.2	61.6	63.4	63.0	71.3	74.6	83.0	84.3	79.7	80.9	74.3
80.0	60.1	56.3	55.6	47.9	45.2	37.9	39.2	39.2	47.8	51.5	60.4	61.9	57.8	58.9	52.2
85.0	41.6	38.3	36.9	29.5	25.7	18.6	18.9	19.7	27.5	32.1	40.5	42.5	39.0	40.2	33.7
90.0	27.5	24.6	23.2	16.5	12.7	5.83	4.46	6.19	13.5	17.8	25.3	27.3	25.3	25.9	20.4
95.0	17.3	15.0	14.1	9.38	7.01	3.27	3.73	2.82	6.65	8.83	14.3	15.9	15.5	16.2	11.7
100.0	13.3	11.4	10.7	7.28	5.55	2.82	3.64	3.00	5.10	6.46	10.4	11.8	12.2	12.3	9.01
105.0	10.9	8.65	8.74	6.46	5.10	2.55	4.00	2.91	4.91	5.83	7.92	8.29	9.83	9.47	7.10
110.0	10.9	8.83	7.92	5.64	4.09	2.73	3.64	3.09	4.37	5.28	7.28	8.29	9.74	9.20	6.83
115.0	10.4	8.74	7.56	4.91	3.46	2.64	3.37	2.73	3.55	4.91	7.19	8.38	9.47	9.11	6.92
120.0	9.65	8.10	6.83	4.19	3.46	2.64	3.09	2.73	3.55	4.55	7.10	8.19	9.01	8.74	6.55
125.0	8.01	6.65	5.46	4.09	3.64	2.55	2.91	2.73	3.73	4.37	6.28	7.47	7.83	7.56	5.28
130.0	6.19	5.37	5.28	4.09	3.55	2.64	2.82	2.82	3.82	4.37	5.37	5.64	5.73	6.01	5.10
135.0	5.92	5.19	5.01	3.91	3.46	2.64	2.91	2.82	3.82	4.37	5.37	5.37	5.55	5.73	4.91
140.0	5.64	5.10	4.91	3.73	3.18	2.73	2.91	2.91	3.82	4.19	5.10	5.19	5.37	5.55	4.73
145.0	5.37	4.82	4.46	3.18	3.09	2.73	2.91	2.82	3.73	4.09	4.82	5.01	5.19	5.28	4.64
150.0	5.01	4.64	3.91	3.09	3.18	2.82	3.00	2.91	3.18	4.00	4.64	4.82	4.91	4.91	4.37
155.0	4.64	4.19	3.46	3.09	3.09	2.91	3.00	2.91	3.27	3.82	4.37	4.55	4.64	4.64	4.09
160.0	3.73	3.00	3.37	3.27	3.09	3.00	3.09	3.09	3.09	3.37	3.73	4.28	4.46	4.00	3.09
165.0	3.64	3.09	3.18	3.00	3.09	3.00	3.09	3.09	3.09	3.00	3.64	3.46	3.55	3.73	3.46
170.0	3.27	3.09	3.18	3.09	3.09	3.09	3.09	3.09	3.27	3.18	3.09	3.00	3.09	3.09	3.09
175.0	3.27	3.18	3.18	3.09	3.18	3.18	3.18	3.09	3.09	3.18	3.27	3.27	3.37	3.27	3.09
180.0	3.27	3.09	3.18	3.09	3.18	3.18	3.18	3.09	3.09	3.00	3.09	3.09	3.27	3.18	3.09

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## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 0000735

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UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	339	339	339	339	339	339	339	339	338
5.0	337	337	336	336	336	336	336	335	336
10.0	332	331	331	329	330	329	330	329	330
15.0	323	321	321	319	320	319	320	320	321
20.0	311	309	308	306	307	306	307	307	308
25.0	296	296	293	293	291	293	292	294	294
30.0	279	278	275	274	273	274	274	277	276
35.0	263	257	257	253	255	254	257	257	260
40.0	242	235	235	231	233	231	236	235	239
45.0	219	212	212	207	210	208	213	213	216
50.0	195	188	187	183	185	184	189	189	193
55.0	171	163	163	157	161	159	165	165	170
60.0	146	138	137	131	135	134	140	140	145
65.0	121	112	111	105	109	108	115	116	121
70.0	95.9	86.5	84.7	78.5	82.6	82.7	90.2	91.1	96.9
75.0	71.2	61.8	58.9	52.9	57.0	58.2	66.1	68.0	73.8
80.0	48.4	38.9	35.2	29.3	33.7	35.9	44.2	47.0	52.9
85.0	29.8	20.4	16.3	10.6	15.3	18.4	26.7	29.8	35.7
90.0	16.8	9.11	5.64	1.82	5.55	7.92	15.2	18.1	23.0
95.0	9.56	4.64	3.73	2.27	4.00	5.10	9.47	11.2	14.7
100.0	7.47	4.19	3.37	2.36	3.18	4.46	8.01	9.11	11.7
105.0	6.74	4.09	3.18	2.27	3.00	3.91	6.83	7.37	9.56
110.0	6.01	3.46	3.18	2.55	2.91	2.82	5.83	7.01	9.47
115.0	5.64	3.00	3.00	2.45	2.91	2.91	5.19	6.65	9.29
120.0	4.73	3.27	2.91	2.45	2.91	3.09	4.46	5.92	8.38
125.0	4.73	3.46	2.82	2.45	2.82	3.27	4.37	4.73	6.19
130.0	4.73	3.55	3.09	2.55	2.82	3.27	4.37	4.64	5.64
135.0	4.55	3.55	3.00	2.64	3.00	3.18	4.19	4.64	5.46
140.0	4.46	3.37	2.91	2.64	3.00	3.00	3.91	4.46	5.28
145.0	4.37	3.18	3.00	2.73	3.00	2.82	3.64	4.09	5.01
150.0	4.09	3.18	3.09	2.82	3.00	3.09	3.55	3.73	4.64
155.0	3.46	3.18	3.09	2.91	3.00	2.91	3.27	3.46	4.28
160.0	3.46	3.00	3.18	3.00	3.09	3.00	3.09	3.37	3.27
165.0	3.09	3.09	3.09	3.00	3.09	3.00	3.00	3.00	3.18
170.0	3.27	3.09	3.09	3.09	3.18	3.09	3.18	3.09	3.27
175.0	3.09	3.00	3.18	3.09	3.18	3.18	3.18	3.09	3.27
180.0	3.09	3.09	3.09	3.09	3.09	3.00	3.09	3.09	3.18

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