

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: ALL-PRO

Report Number: P22739

Luminaire Tested: **FSS1530LPCES**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P22739
Test Lab: INNOVATION CENTER P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: ALL-PRO
Catalog Number: FSS1530LPCE
Description: SMALL SINGLE LED FLOOD D2D BRONZE ENERGY STAR FIXTURE
Light Source: 5000K LEDS

Ballast/Driver: (1) ELECTRONIC DRIVER

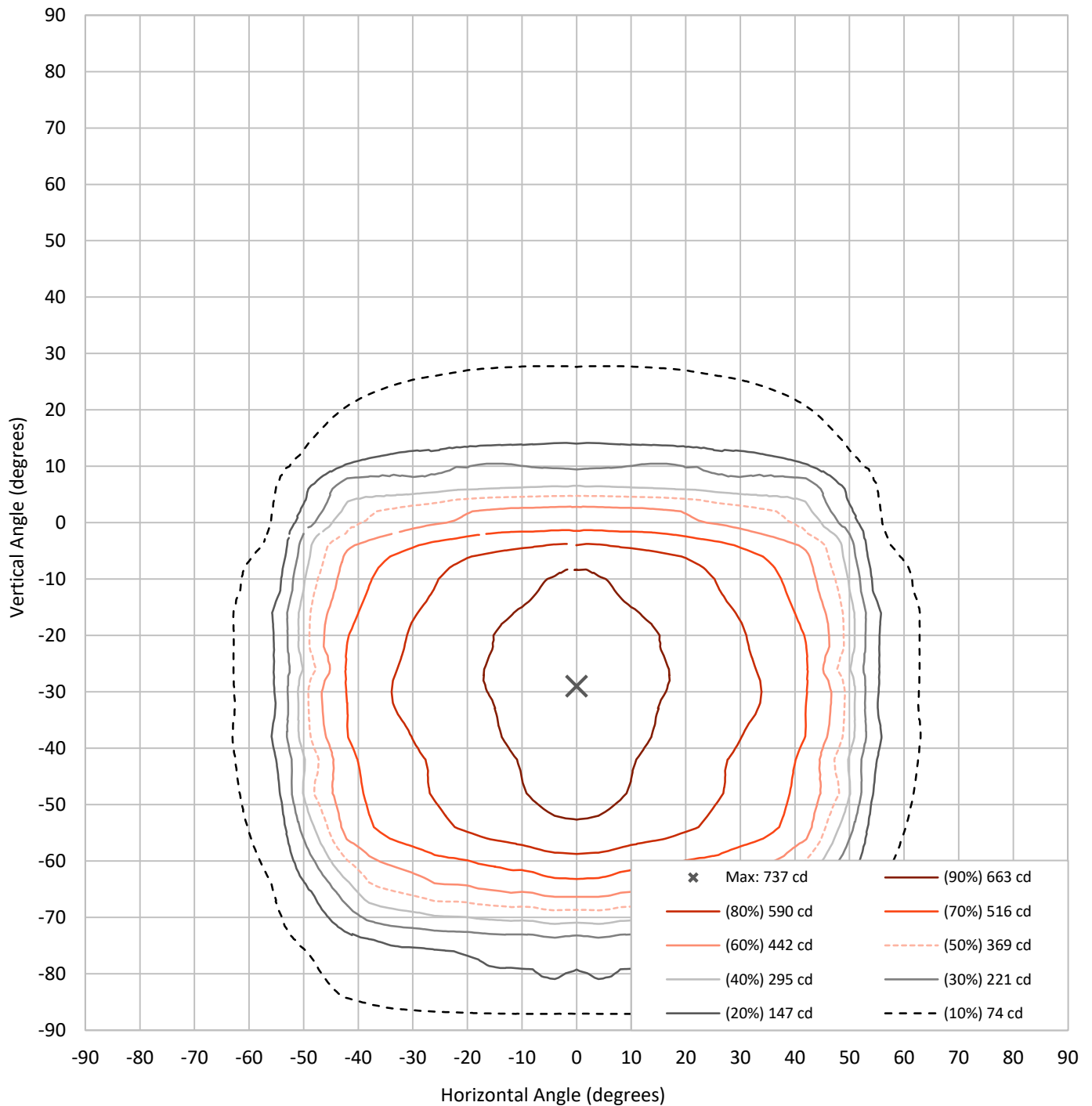
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	1316.6 lumens	Max Intensity:	737 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -29°V
Efficacy:	63.0 lumens/watt		
Luminous Opening:	Rectangular (W 0.4' x L: 0.25' x H: 0')		
Beam Angle (50%):	98.4°H x 73.4°V	Field Angle (10%):	125.6°H x 114.7°V
Beam Lumens:	998 lumens	Field Lumens:	1268 lumens
Beam Efficiency:	75.8%	Field Efficiency:	96.3%
Input Watts (W):	20.9		
Input Voltage (V):	120.12		
Input Current (Ain):	0.184		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	24 HR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



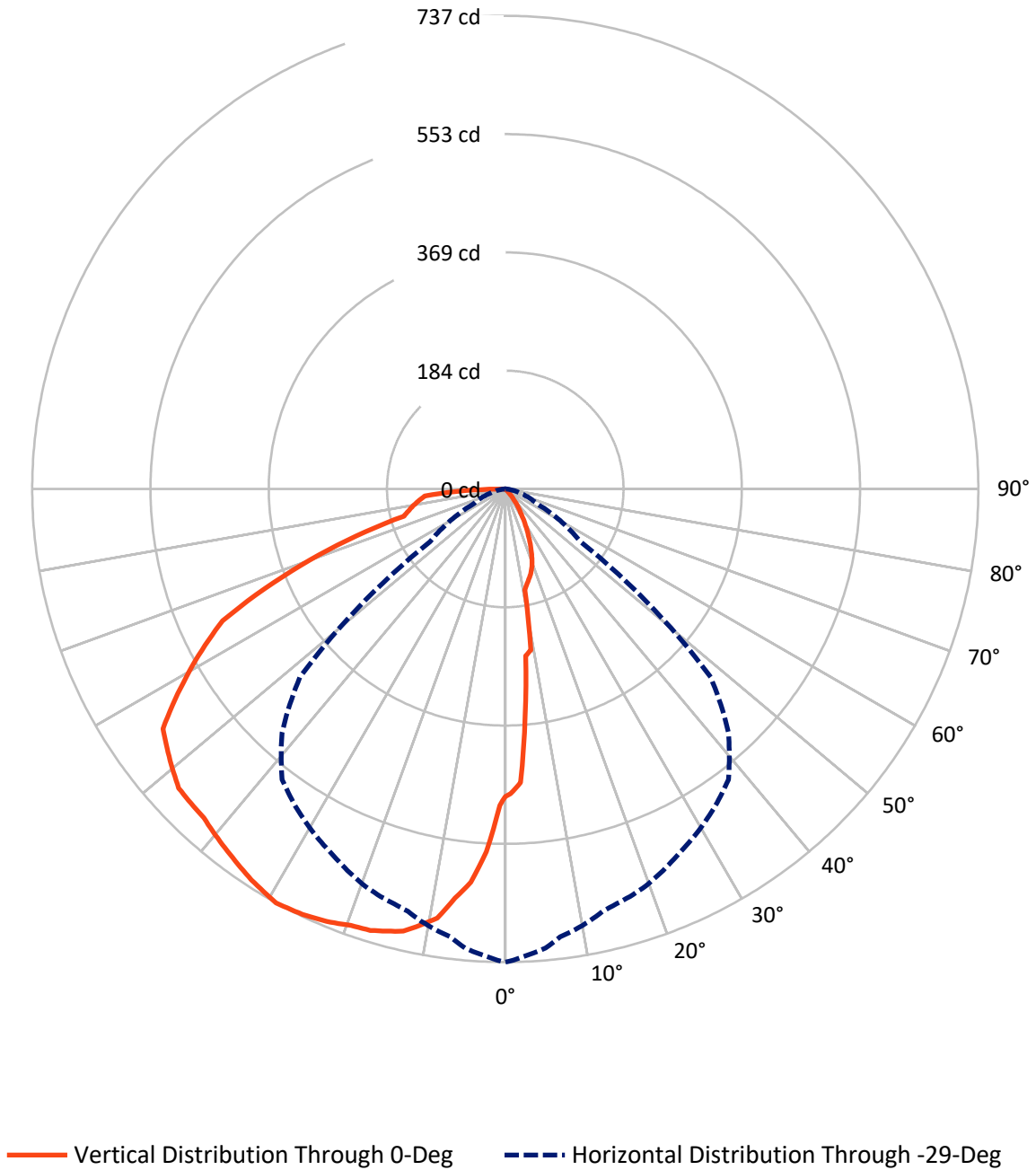
REPORT NUMBER: P22739
CATALOG NUMBER: FSS1530LPCES

Iso-Candela Plot



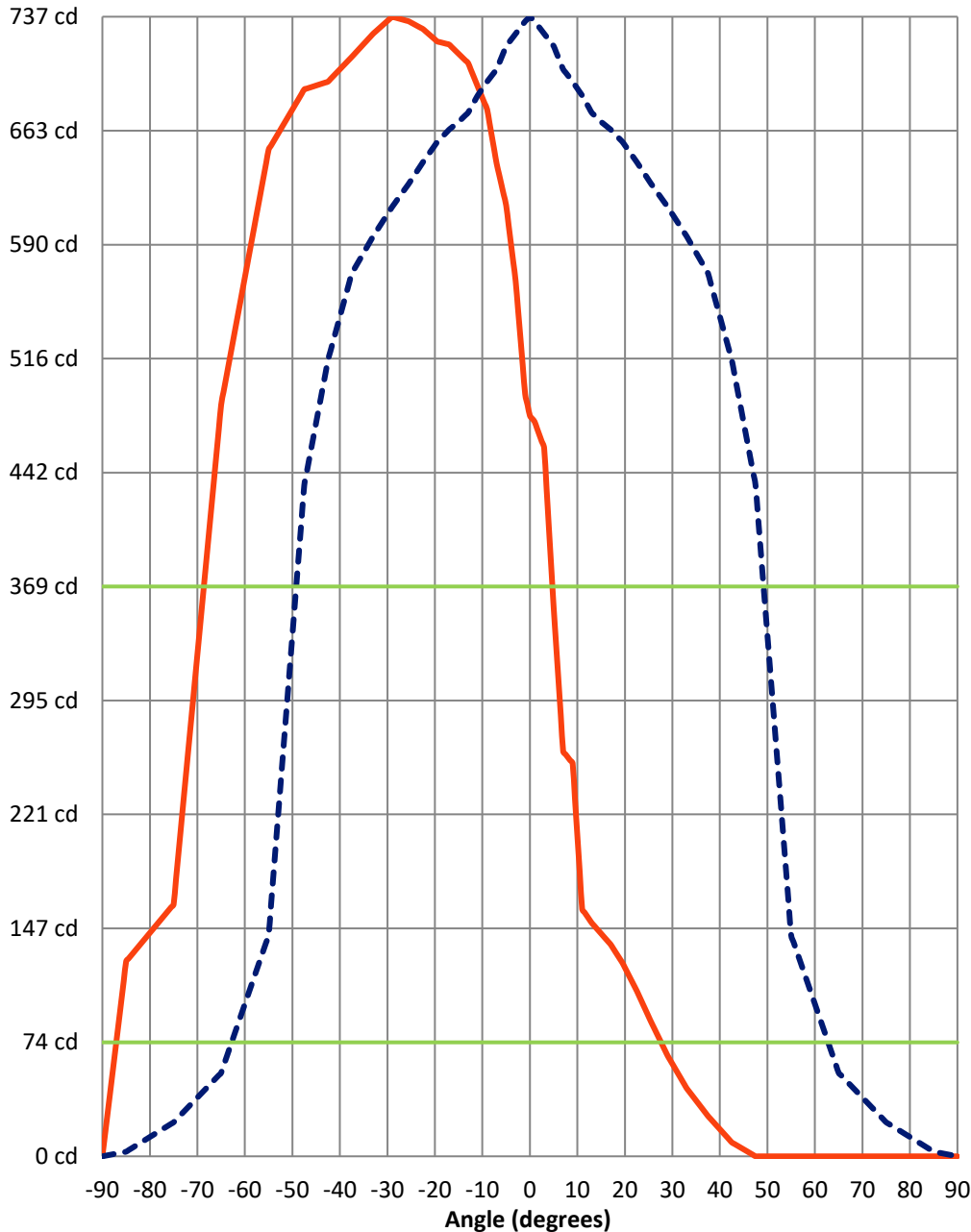
REPORT NUMBER: P22739
CATALOG NUMBER: FSS1530LPCES

Luminous Intensity Polar Plot



REPORT NUMBER: P22739
 CATALOG NUMBER: FSS1530LPCES

Luminous Intensity Plot



Beam:
 H Angle: 98.4°
 V Angle: 73.4°
 Lumens: 998
 Efficiency: 75.8%

Field:
 H Angle: 125.6°
 V Angle: 114.7°
 Lumens: 1268
 Efficiency: 96.3%

Spill:
 Lumens: 48.6
 Efficiency: 3.7%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through -29-Deg



REPORT NUMBER: P22739
 CATALOG NUMBER: FSS1530LPCES

FIELD
 BEAM

CANDELA DISTRIBUTION:

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	1	2	2	2	2	2	3	3
75°	0	0	0	0	0	0	0	0	1	1	1
65°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	1	1	1	1	1	1
42.5°	9	10	10	10	10	10	10	10	10	10	9
37.5°	26	26	26	26	26	26	26	25	25	25	24
33°	44	45	45	45	45	44	44	44	43	43	42
29°	65	66	66	66	66	66	65	65	64	63	63
25.5°	87	88	88	88	88	88	87	86	86	85	83
22.5°	107	108	108	108	108	107	107	106	105	104	102
19.5°	125	126	126	125	125	125	124	123	122	120	118
17°	137	137	137	137	136	136	135	134	132	131	128
15°	144	144	144	144	143	142	141	140	139	137	135
13°	151	152	152	151	151	150	149	148	146	145	143
11°	160	164	165	170	177	187	200	219	213	226	199
9°	254	257	259	258	256	253	251	252	249	244	239
7°	262	261	262	263	262	261	260	258	257	254	251
5°	355	347	348	346	344	341	340	338	338	335	329
3°	458	463	463	460	458	456	455	450	445	439	431
1°	475	475	474	472	469	470	471	468	464	459	452
0°	479	479	481	479	476	475	475	474	469	465	458
-1°	493	496	499	497	494	493	494	493	488	484	476
-3°	566	571	573	565	561	561	558	556	552	546	538
-5°	615	620	624	616	610	606	602	598	594	588	582
-7°	642	648	643	638	629	620	617	612	608	602	597
-9°	677	682	665	659	651	641	637	631	626	621	613
-11°	692	693	675	673	661	650	645	638	632	626	619
-13°	707	703	690	674	666	654	648	643	634	627	620
-15°	713	711	709	689	679	668	660	653	645	638	629
-17°	719	717	720	700	691	681	670	662	656	650	639
-19.5°	721	722	722	704	694	686	678	671	664	657	649
-22.5°	729	726	723	710	696	689	678	670	664	659	649
-25.5°	734	732	721	714	698	689	680	673	668	664	654
-29°	737	734	726	718	703	695	686	675	669	664	656
-33°	726	725	723	711	703	692	681	671	663	654	645
-37.5°	711	713	710	707	700	691	681	669	658	649	641
-42.5°	695	694	692	691	681	670	662	650	640	631	622
-47.5°	690	690	691	684	676	667	656	648	639	632	620
-55°	651	649	649	645	639	630	620	614	610	603	596
-65°	486	484	484	482	471	457	462	465	447	454	434
-75°	163	164	173	182	163	161	163	160	165	157	154
-85°	126	126	125	128	127	127	126	125	124	123	120
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P22739
 CATALOG NUMBER: FSS1530LPCES

CANDELA DISTRIBUTION (continued):

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0	0	0	0	0	0	0	0	0	0	0
85°	3	3	3	3	3	3	3	3	2	2	2
75°	2	2	2	2	2	2	2	2	2	2	2
65°	1	1	1	1	2	2	2	2	2	2	2
55°	0	0	0	1	1	1	1	2	2	2	2
47.5°	1	1	1	2	2	2	2	2	2	2	2
42.5°	9	8	8	8	8	7	6	5	3	2	2
37.5°	23	23	21	20	18	16	13	9	5	3	2
33°	40	39	37	34	32	27	23	15	8	4	2
29°	60	58	55	51	47	40	33	22	11	4	2
25.5°	80	77	74	69	62	53	43	29	15	5	2
22.5°	99	95	91	84	76	66	53	36	18	6	2
19.5°	115	111	105	98	89	77	63	43	22	7	2
17°	125	120	114	107	98	86	70	49	25	8	2
15°	132	127	121	114	104	92	76	53	27	9	2
13°	139	135	129	122	111	98	82	57	30	10	2
11°	208	179	198	188	160	124	87	61	32	10	2
9°	232	222	214	231	213	182	105	65	34	11	2
7°	246	237	228	219	238	254	166	68	36	12	2
5°	327	305	294	284	269	270	172	71	39	13	2
3°	414	402	391	374	356	306	183	73	40	13	2
1°	440	429	417	398	375	314	217	76	42	14	2
0°	445	438	425	405	381	348	231	77	43	15	2
-1°	462	454	440	421	396	329	264	78	44	15	2
-3°	523	511	493	474	446	410	322	81	46	16	2
-5°	570	559	537	514	490	444	337	85	47	17	3
-7°	586	572	554	531	503	457	340	101	48	17	3
-9°	601	586	568	544	514	467	368	115	50	18	3
-11°	606	591	575	548	520	470	376	117	51	19	3
-13°	609	595	579	555	527	479	393	117	52	19	3
-15°	617	604	586	563	536	487	407	154	52	20	3
-17°	628	615	595	571	544	496	418	150	53	20	3
-19.5°	637	623	602	577	552	508	421	145	54	21	3
-22.5°	635	622	605	582	559	514	423	144	54	21	3
-25.5°	638	622	608	588	565	518	367	146	54	22	3
-29°	643	629	614	595	571	515	434	143	54	22	3
-33°	636	624	609	593	567	509	431	133	54	22	4
-37.5°	628	615	598	575	549	513	416	157	54	22	4
-42.5°	611	596	583	563	536	495	356	135	53	21	4
-47.5°	609	597	582	559	532	485	396	120	52	20	4
-55°	586	575	559	539	512	462	298	98	49	18	4
-65°	429	431	402	381	360	254	163	74	41	15	4
-75°	151	147	141	141	122	111	82	58	31	11	3
-85°	116	112	106	97	85	71	58	39	20	8	3
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P22739
CATALOG NUMBER: FSS1530LPCES

CANDELA DISTRIBUTION (continued):

	90°
90°	0
85°	0
75°	0
65°	0
55°	0
47.5°	0
42.5°	0
37.5°	0
33°	0
29°	0
25.5°	0
22.5°	0
19.5°	0
17°	0
15°	0
13°	0
11°	0
9°	0
7°	0
5°	0
3°	0
1°	0
0°	0
-1°	0
-3°	0
-5°	0
-7°	0
-9°	0
-11°	0
-13°	0
-15°	0
-17°	0
-19.5°	0
-22.5°	0
-25.5°	0
-29°	0
-33°	0
-37.5°	0
-42.5°	0
-47.5°	0
-55°	0
-65°	0
-75°	0
-85°	0
-90°	0

(END OF REPORT)