



Integrating Sphere Test Report

Relevant Standards
IES LM-79-2008
ANSI C78.377-2008, ANSI C82.77
CIE 13.3-1995, CIE 15-2004

Prepared For
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Catalog Number
POINT 2044 / 4044

Project Number
6012-000171
Test Number
28160

Test Date

2012-02-02

Prepared By

A handwritten signature in black ink, appearing to read 'Eric M. Gaudreau'.

Eric Gaudreau, Technician

Approved By

A handwritten signature in black ink, appearing to read 'Zachary Mooney'.

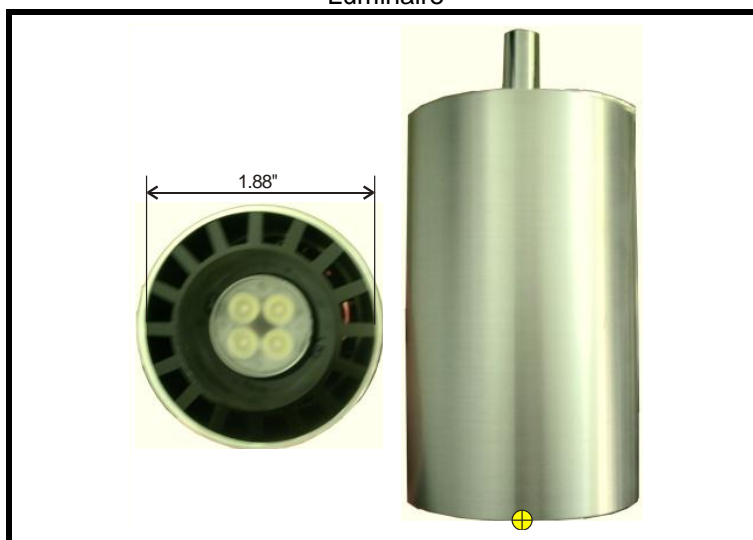
Zachary Mooney, Project Coordinator

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Spun aluminum housing, machined black enamel aluminum lower reflector, frosted plastic optic / enclosure
Catalog Number: POINT 2044 / 4044
Lamp: Four white LEDs
Mounting: Pendant
Ballast/Driver: One Lightech LED 36 CC 700 PU

Luminaire



Summary of Results

Radiant Flux:	1841 mW
Luminous Flux:	572.1 Lumens
Luminaire Efficacy:	55.9 Lumens/Watt
CCT:	3852 K
CRI (Ra):	82.9
Chromaticity (x):	0.3863
Chromaticity (y):	0.3782
Chromaticity (u):	0.2284
Chromaticity (v):	0.3354
Duv:	-0.0012

Test Conditions

Test Temperature:	24.3 °C
Voltage:	120.0 VAC
Current:	0.08792 A
Power:	10.24 W
Power Factor:	0.971
Frequency:	60 Hz
Current THD:	17.0 %

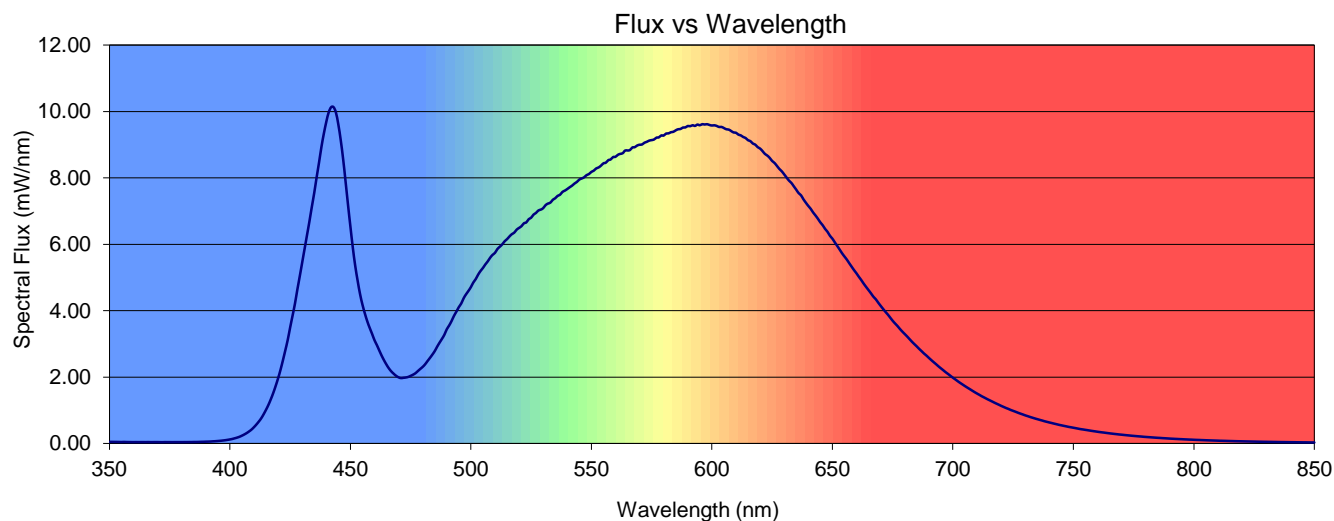
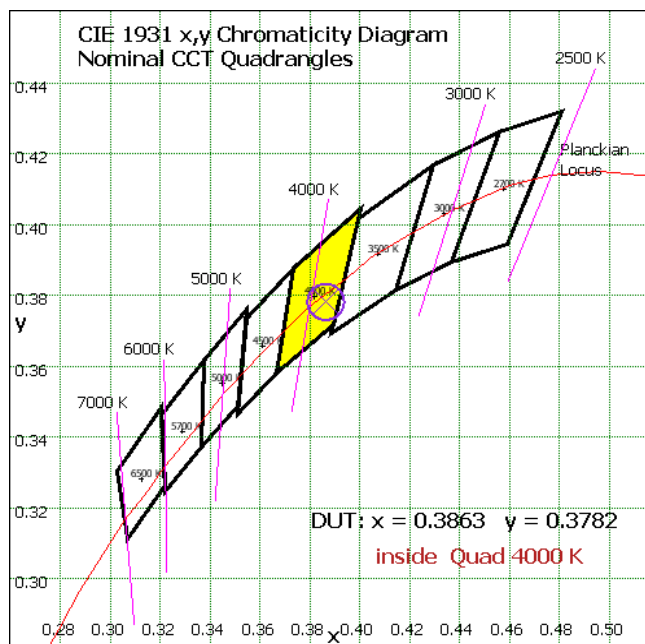
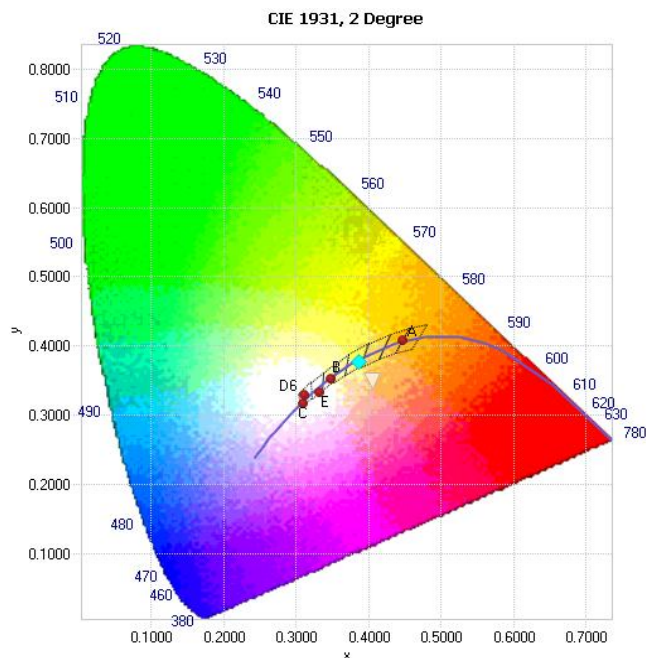


Chromaticity Coordinates

x	y	u	v	u'	v'	Duv
0.3863	0.3782	0.2284	0.3354	0.2284	0.5031	-0.0012

Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
82.9	82.5	86.3	89.4	84.0	82.6	81.9	86.1	71.0	24.0	67.9	84.3	69.4	82.6	93.7





Spectral Power Distribution

λ (nm)	mW/nm	λ (nm)	mW/nm	λ (nm)	mW/nm	λ (nm)	mW/nm	λ (nm)	mW/nm	λ (nm)	mW/nm	λ (nm)	mW/nm
350	0.0493	422	2.50	494	3.97	566	8.84	638	7.35	710	1.51	782	0.187
351	0.0498	423	2.81	495	4.11	567	8.91	639	7.25	711	1.47	783	0.182
352	0.0487	424	3.12	496	4.22	568	8.92	640	7.16	712	1.42	784	0.177
353	0.0481	425	3.49	497	4.37	569	8.97	641	7.07	713	1.39	785	0.172
354	0.0463	426	3.85	498	4.49	570	9.00	642	6.96	714	1.35	786	0.167
355	0.0443	427	4.21	499	4.60	571	9.00	643	6.87	715	1.31	787	0.162
356	0.0476	428	4.64	500	4.71	572	9.06	644	6.77	716	1.28	788	0.158
357	0.0449	429	5.04	501	4.85	573	9.09	645	6.66	717	1.24	789	0.153
358	0.0436	430	5.45	502	4.95	574	9.12	646	6.57	718	1.20	790	0.149
359	0.0422	431	5.87	503	5.08	575	9.14	647	6.46	719	1.17	791	0.145
360	0.0417	432	6.28	504	5.20	576	9.16	648	6.37	720	1.14	792	0.141
361	0.0424	433	6.69	505	5.29	577	9.21	649	6.26	721	1.10	793	0.137
362	0.0419	434	7.13	506	5.39	578	9.22	650	6.17	722	1.07	794	0.133
363	0.0423	435	7.55	507	5.49	579	9.28	651	6.06	723	1.04	795	0.130
364	0.0429	436	8.02	508	5.59	580	9.27	652	5.95	724	1.01	796	0.126
365	0.0419	437	8.47	509	5.68	581	9.33	653	5.84	725	0.984	797	0.122
366	0.0436	438	8.94	510	5.74	582	9.34	654	5.73	726	0.957	798	0.119
367	0.0414	439	9.34	511	5.86	583	9.37	655	5.63	727	0.928	799	0.116
368	0.0421	440	9.69	512	5.93	584	9.39	656	5.54	728	0.901	800	0.113
369	0.0428	441	9.97	513	6.00	585	9.43	657	5.43	729	0.876	801	0.109
370	0.0423	442	10.1	514	6.09	586	9.46	658	5.32	730	0.848	802	0.107
371	0.0412	443	10.1	515	6.15	587	9.47	659	5.22	731	0.825	803	0.104
372	0.0398	444	9.97	516	6.23	588	9.52	660	5.12	732	0.801	804	0.101
373	0.0421	445	9.61	517	6.30	589	9.52	661	5.02	733	0.778	805	0.0981
374	0.0416	446	9.13	518	6.35	590	9.56	662	4.92	734	0.755	806	0.0958
375	0.0418	447	8.56	519	6.44	591	9.56	663	4.81	735	0.734	807	0.0929
376	0.0408	448	7.89	520	6.49	592	9.58	664	4.72	736	0.713	808	0.0905
377	0.0418	449	7.20	521	6.54	593	9.57	665	4.62	737	0.694	809	0.0885
378	0.0414	450	6.54	522	6.63	594	9.60	666	4.52	738	0.672	810	0.0856
379	0.0418	451	5.90	523	6.66	595	9.58	667	4.42	739	0.653	811	0.0830
380	0.0417	452	5.36	524	6.76	596	9.62	668	4.35	740	0.635	812	0.0815
381	0.0422	453	4.90	525	6.80	597	9.61	669	4.25	741	0.617	813	0.0791
382	0.0426	454	4.50	526	6.89	598	9.62	670	4.15	742	0.599	814	0.0772
383	0.0436	455	4.19	527	6.94	599	9.59	671	4.06	743	0.582	815	0.0748
384	0.0437	456	3.92	528	7.02	600	9.58	672	3.97	744	0.563	816	0.0729
385	0.0456	457	3.68	529	7.04	601	9.58	673	3.89	745	0.548	817	0.0706
386	0.0461	458	3.48	530	7.09	602	9.56	674	3.79	746	0.533	818	0.0691
387	0.0475	459	3.30	531	7.18	603	9.53	675	3.70	747	0.518	819	0.0674
388	0.0504	460	3.11	532	7.23	604	9.53	676	3.62	748	0.502	820	0.0657
389	0.0520	461	2.96	533	7.25	605	9.50	677	3.54	749	0.489	821	0.0642
390	0.0554	462	2.80	534	7.34	606	9.46	678	3.45	750	0.476	822	0.0626
391	0.0569	463	2.64	535	7.39	607	9.45	679	3.37	751	0.461	823	0.0611
392	0.0605	464	2.50	536	7.46	608	9.41	680	3.30	752	0.447	824	0.0594
393	0.0655	465	2.37	537	7.49	609	9.37	681	3.23	753	0.434	825	0.0579
394	0.0699	466	2.26	538	7.58	610	9.36	682	3.15	754	0.423	826	0.0565
395	0.0758	467	2.17	539	7.62	611	9.30	683	3.07	755	0.412	827	0.0549
396	0.0818	468	2.10	540	7.66	612	9.28	684	2.99	756	0.400	828	0.0536
397	0.0897	469	2.04	541	7.72	613	9.23	685	2.93	757	0.388	829	0.0518
398	0.0986	470	1.99	542	7.77	614	9.20	686	2.85	758	0.376	830	0.0511
399	0.110	471	1.97	543	7.83	615	9.13	687	2.78	759	0.366	831	0.0499
400	0.122	472	1.98	544	7.88	616	9.11	688	2.71	760	0.355	832	0.0487
401	0.138	473	1.99	545	7.95	617	9.03	689	2.65	761	0.345	833	0.0474
402	0.157	474	2.01	546	7.98	618	9.00	690	2.58	762	0.335	834	0.0463
403	0.178	475	2.04	547	8.02	619	8.93	691	2.52	763	0.326	835	0.0451
404	0.203	476	2.07	548	8.08	620	8.88	692	2.45	764	0.316	836	0.0437
405	0.237	477	2.12	549	8.11	621	8.81	693	2.39	765	0.307	837	0.0427
406	0.274	478	2.18	550	8.18	622	8.72	694	2.33	766	0.298	838	0.0421
407	0.316	479	2.24	551	8.22	623	8.67	695	2.27	767	0.289	839	0.0407
408	0.366	480	2.31	552	8.28	624	8.60	696	2.21	768	0.281	840	0.0398
409	0.422	481	2.38	553	8.31	625	8.51	697	2.15	769	0.273	841	0.0390
410	0.493	482	2.48	554	8.37	626	8.45	698	2.09	770	0.266	842	0.0383
411	0.572	483	2.58	555	8.44	627	8.36	699	2.04	771	0.258	843	0.0369
412	0.661	484	2.68	556	8.46	628	8.27	700	1.98	772	0.250	844	0.0362
413	0.760	485	2.78	557	8.53	629	8.20	701	1.93	773	0.243	845	0.0349
414	0.881	486	2.92	558	8.55	630	8.11	702	1.88	774	0.236	846	0.0346
415	1.02	487	3.04	559	8.62	631	8.01	703	1.83	775	0.229	847	0.0339
416	1.17	488	3.15	560	8.63	632	7.92	704	1.78	776	0.223	848	0.0329
417	1.34	489	3.28	561	8.69	633	7.85	705	1.73	777	0.216	849	0.0320
418	1.52	490	3.44	562	8.72	634	7.75	706	1.68	778	0.211	850	0.0315
419	1.73	491	3.56	563	8.74	635	7.65	707	1.64	779	0.204		
420	1.96	492	3.69	564	8.82	636	7.54	708	1.59	780	0.198		
421	2.22	493	3.85	565	8.82	637	7.47	709	1.55	781	0.193		