

DATE	PROJECT	FIRM	TYPE
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## PHOTOMETRY CHARACTERISTICS

Photometric testing done by an independent lab in accordance with current IES published Procedures. Lumen measurements comply with IES LM-79 - 08. Some IES files are generated by multiplying tested IES files with a calculated lumen values. IES data is available at [www.ecosenselighting.com](http://www.ecosenselighting.com)

## 80 CRI

### F380 5B LOW OUTPUT (29 WATTS)

	5°	10°	15°	20°	40°	60°	70°	90°	15° x 60°	30° x 60°	60° x 15°	60° x 30°
<b>2200K</b>												
Lumens	1,947	1,931	1,860	1,802	N/A	N/A	N/A	N/A	1,701	1,686	1,701	1,686
Efficacy	75	74	72	69	N/A	N/A	N/A	N/A	65	65	65	65
CBCP	112,217	28,490	17,582	7,654	N/A	N/A	N/A	N/A	3,286	2,942	3,286	2,942
<b>2700K</b>												
Lumens	2,246	2,228	2,146	2,080	2,924	2,049	2,278	2,020	1,962	1,946	1,962	1,946
Efficacy	86	86	83	80	101	71	79	70	75	75	75	75
CBCP	64,741	32,874	20,287	4,416	4,964	2,024	1,493	1,002	3,792	3,394	3,792	3,395
<b>3000K</b>												
Lumens	2,281	2,263	2,179	2,112	3,230	2,266	2,515	2,234	1,993	1,976	1,993	1,976
Efficacy	88	87	84	81	111	78	87	77	77	76	77	76
CBCP	131,473	33,379	20,599	8,967	5,480	2,239	1,649	1,107	3,850	3,446	3,850	3,447
<b>3500K</b>												
Lumens	2,461	2,442	2,352	2,279	3,303	2,316	2,571	2,284	2,150	2,132	2,150	2,132
Efficacy	95	94	90	88	114	80	89	79	83	82	83	82
CBCP	141,876	36,020	22,229	9,677	5,604	2,288	1,685	1,132	4,155	3,719	4,155	3,720
<b>4000K</b>												
Lumens	2,515	2,495	2,403	2,329	3,349	2,349	2,610	2,316	2,197	2,179	2,197	2,179
Efficacy	97	96	92	90	115	81	90	80	85	84	85	84
CBCP	144,975	36,807	22,715	9,888	5,681	2,321	1,711	1,148	4,245	3,800	4,245	3,801
<b>5000K</b>												
Lumens	2,594	2,573	2,478	2,401	3,384	2,374	2,636	2,341	2,266	2,247	2,266	2,247
Efficacy	100	99	95	92	117	82	91	81	87	86	87	86
CBCP	149,512	37,959	23,426	10,198	5,741	2,345	1,728	1,160	4,378	3,919	4,378	3,920
<b>6500K</b>												
Lumens	2,398	2,379	2,291	2,220	3,431	2,407	2,674	2,373	2,095	2,077	2,095	2,077
Efficacy	92	91	88	85	118	83	92	82	81	80	81	80
CBCP	138,224	35,093	21,657	9,428	5,820	2,378	1,753	1,176	4,048	3,623	4,048	3,623

### F380 5B MEDIUM OUTPUT (55 WATTS)

	5°	10°	15°	20°	40°	60°	70°	90°	15° x 60°	30° x 60°	60° x 15°	60° x 30°
<b>2200K</b>												
Lumens	3,372	3,344	3,221	3,121	N/A	N/A	N/A	N/A	2,945	2,921	2,945	2,921
Efficacy	65	64	62	60	N/A	N/A	N/A	N/A	57	56	57	56
CBCP	194,332	49,338	30,448	13,255	N/A	N/A	N/A	N/A	5,691	5,094	5,691	5,096
<b>2700K</b>												
Lumens	3,946	3,914	3,770	3,653	5,241	3,675	4,075	3,621	3,447	3,418	3,447	3,418
Efficacy	76	75	72	70	95	67	74	66	66	66	66	66
CBCP	227,422	57,739	35,633	15,512	89,01	3,630	2,671	1,795	6,660	5,961	6,660	5,963
<b>3000K</b>												
Lumens	3,997	3,965	3,819	3,701	5,786	4,057	4,504	3,999	3,492	3,463	3,492	3,463
Efficacy	77	76	73	71	105	74	82	73	67	67	67	67
CBCP	230,410	58,498	36,101	15,715	9,820	4,008	2,953	1,983	6,747	6,040	6,747	6,041
<b>3500K</b>												
Lumens	4,097	4,064	3,915	3,793	5,913	4,145	4,601	4,086	3,579	3,549	3,579	3,549
Efficacy	79	78	75	73	107	75	84	74	69	68	69	68
CBCP	236,165	59,959	37,003	16,108	10,035	4,095	3,016	2,026	6,916	6,191	6,916	6,192
<b>4000K</b>												
Lumens	4,262	4,228	4,072	3,946	5,999	4,208	4,671	4,149	3,723	3,692	3,723	3,692
Efficacy	82	81	78	76	109	76	85	75	72	71	72	71
CBCP	245,682	62,375	38,494	16,757	10,180	4,157	3,062	2,057	7,194	6,440	7,195	6,442
<b>5000K</b>												
Lumens	4,489	4,453	4,289	4,156	6,061	4,252	4,717	4,192	3,921	3,888	3,921	3,888
Efficacy	86	86	82	80	110	77	86	76	75	75	75	75
CBCP	258,741	65,691	40,540	17,648	10,286	4,200	3,092	2,078	7,577	6,782	7,577	6,784
<b>6500K</b>												
Lumens	4,188	4,154	4,001	3,877	6,147	4,311	4,786	4,250	3,658	3,627	3,658	3,627
Efficacy	81	80	77	75	112	78	87	77	70	70	70	70
CBCP	241,366	61,280	37,818	16,463	10,431	4,259	3,138	2,107	7,068	6,327	7,068	6,329

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1/4

DATE	PROJECT	FIRM	TYPE
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## 80 CRI

### F170 5B HIGH OUTPUT (84 WATTS)

	5'	10'	15'	20'	40'	60'	70'	90'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2200K</b>												
Lumens	4,347	4,312	4,153	4,024	N/A	N/A	N/A	N/A	3,797	3,765	3,797	3,765
Efficacy	56	56	53	52	N/A	N/A	N/A	N/A	49	48	49	48
CBCP	250,552	63,612	39,257	17,089	N/A	N/A	N/A	N/A	7,337	6,568	7,337	6,570
<b>2700K</b>												
Lumens	5,161	5,119	4,931	4,778	7,780	5,457	6,055	5,378	4,508	4,471	4,508	4,471
Efficacy	66	66	63	61	93	65	72	64	58	57	58	57
CBCP	297,475	75,525	46,609	20,290	13,210	5,390	3,969	2,666	8,711	7,798	8,711	7,800
<b>3000K</b>												
Lumens	5,301	5,258	5,065	4,908	8,593	6,028	6,692	5,943	4,631	4,592	4,631	4,592
Efficacy	68	67	65	63	102	72	80	71	59	59	59	59
CBCP	305,553	77,576	47,875	20,841	14,580	5,955	4,387	2,946	8,947	8,009	8,948	8,012
<b>3500K</b>												
Lumens	5,512	5,468	5,267	5,103	8,780	6,160	6,838	6,073	4,815	4,775	4,815	4,775
Efficacy	71	70	68	65	105	73	81	72	62	61	62	61
CBCP	317,727	80,667	49,782	21,671	14,897	6,085	4,483	3,010	9,304	8,329	9,304	8,331
<b>4000K</b>												
Lumens	5,756	5,710	5,499	5,329	8,910	6,250	6,940	6,162	5,028	4,986	5,028	4,986
Efficacy	74	73	71	68	106	74	83	73	64	64	64	64
CBCP	331,782	84,235	51,984	22,630	15,116	6,174	4,550	3,055	9,715	8,697	9,716	8,700
<b>5000K</b>												
Lumens	6,023	5,975	5,754	5,576	9,000	6,312	7,010	6,224	5,261	5,217	5,261	5,217
Efficacy	77	77	74	71	107	75	83	74	67	67	67	67
CBCP	347,164	88,140	54,394	23,679	15,269	6,236	4,596	3,085	10,166	9,100	10,166	9,103
<b>6500K</b>												
Lumens	5,501	5,457	5,256	5,093	9,130	6,407	7,112	6,317	4,805	4,765	4,805	4,765
Efficacy	71	70	67	65	109	76	85	75	62	61	62	61
CBCP	317,063	40,249	49,678	21,626	15,488	6,329	4,662	3,131	9,284	8,311	9,285	8,314

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2/4

DATE	PROJECT	FIRM	TYPE
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## PHOTOMETRY CHARACTERISTICS

Photometric testing done by an independent lab in accordance with current IES published Procedures. Lumen measurements comply with IES LM-79 - 08. Some IES files are generated by multiplying tested IES files with a calculated lumen values. IES data is available at [www.ecosenselighting.com](http://www.ecosenselighting.com)

## 90 CRI

### F380 LOW OUTPUT (29 WATTS)

	5'	10'	15'	20'	40'	60'	70'	90'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>												
Lumens	1,899	1,884	1,814	1,758	2,553	1,793	1,991	1,767	1,659	1,645	1,659	1,645
Efficacy	73	72	70	68	88	62	69	61	64	63	64	63
CBCP	109,450	27,788	17,149	7,465	4,333	1,771	1,305	876	3,205	2,869	3,205	2,870
<b>3000K</b>												
Lumens	2,004	1,988	1,915	1,856	2,823	1,982	2,200	1,955	1,751	1,736	1,751	1,736
Efficacy	77	76	74	71	97	68	76	67	67	67	67	67
CBCP	115,537	29,333	18,103	7,880	4,788	1,958	1,442	969	3,383	3,029	3,383	3,029
<b>3500K</b>												
Lumens	2,062	2,045	1,970	1,909	2,883	2,026	2,249	1,998	1,801	1,786	1,801	1,786
Efficacy	79	79	76	73	99	70	78	69	69	69	69	69
CBCP	118,857	30,176	18,623	8,107	4,890	2,002	1,474	990	3,480	3,116	3,481	3,117
<b>4000K</b>												
Lumens	2,095	2,078	2,001	1,939	2,927	2,053	2,281	2,024	1,830	1,815	1,830	1,815
Efficacy	81	80	77	75	101	71	79	70	70	70	70	70
CBCP	120,738	30,654	18,918	8,235	4,964	2,028	1,495	1,003	3,536	3,165	3,536	3,166

### F380 MEDIUM OUTPUT (55 WATTS)

	5'	10'	15'	20'	40'	60'	70'	90'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>												
Lumens	2,820	2,798	2,695	2,611	4,582	3,211	3,566	3,164	2,464	8,403	2,464	2,443
Efficacy	54	54	52	50	83	58	65	58	47	47	47	47
CBCP	162,571	41,275	25,472	11,088	7,780	3,172	2,338	1,569	4,761	2,131	4,761	4,263
<b>3000K</b>												
Lumens	3,252	3,226	3,107	3,011	5,058	3,549	3,941	3,499	2,841	2,817	2,841	2,817
Efficacy	62	62	60	58	92	65	72	64	55	54	55	54
CBCP	187,471	47,596	29,373	12,787	8,582	3,506	2,584	1,735	5,490	4,914	5,490	4,916
<b>3500K</b>												
Lumens	3,533	3,504	3,375	3,271	5,169	3,628	4,028	3,577	3,086	3,060	3,086	3,060
Efficacy	68	67	65	63	94	66	73	65	59	59	59	59
CBCP	203,628	51,699	31,905	13,889	8,770	3,584	2,641	1,773	5,963	5,338	5,963	5,339
<b>4000K</b>												
Lumens	3,598	3,569	3,438	3,331	5,247	3,680	4,087	3,629	3,143	3,117	3,143	3,117
Efficacy	69	69	66	64	95	67	74	66	60	60	60	60
CBCP	207,391	52,654	32,494	14,145	8,901	3,635	2,679	1,799	6,073	5,436	6,073	5,843

### F380 HIGH OUTPUT (84 WATTS)

	5'	10'	15'	20'	40'	60'	70'	90'	15' x 60'	30' x 60'	60' x 15'	60' x 30'
<b>2700K</b>												
Lumens	3,921	3,889	3,746	3,630	6,802	4,772	5,299	4,706	3,425	3,396	3,425	3,396
Efficacy	50	50	48	47	81	57	63	56	44	44	44	44
CBCP	225,983	57,374	35,408	15,413	11,537	13,217	3,474	2,333	6,617	5,924	6,618	5,925
<b>3000K</b>												
Lumens	4,138	4,104	3,953	3,831	7,519	5,278	5,864	5,206	3,614	3,584	3,614	3,584
Efficacy	53	53	51	49	90	63	70	62	46	46	46	46
CBCP	238,489	60,549	37,367	16,266	12,744	5,215	3,844	2,580	6,984	6,251	6,984	6,253
<b>3500K</b>												
Lumens	4,692	4,655	4,483	4,344	7,685	5,396	5,991	5,206	4,099	4,065	4,099	4,065
Efficacy	60	60	57	56	91	64	71	63	53	53	53	52
CBCP	59,429	68,669	42,378	18,448	13,025	5,331	3,928	2,638	7,920	7,090	7,921	7,092
<b>4000K</b>												
Lumens	270,472	4,939	4,757	4,609	7,799	5,473	6,079	5,399	4,349	4,313	4,349	4,313
Efficacy	64	63	61	59	93	65	72	64	56	55	56	55
CBCP	286,961	72,856	44,962	19,573	13,217	5,408	3,985	2,676	8,403	7,522	8,403	7,524

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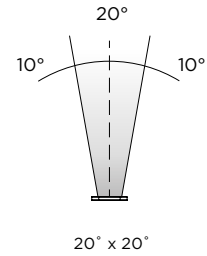
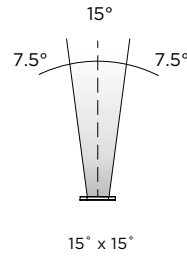
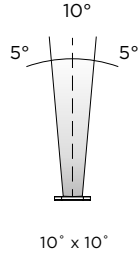
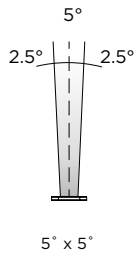
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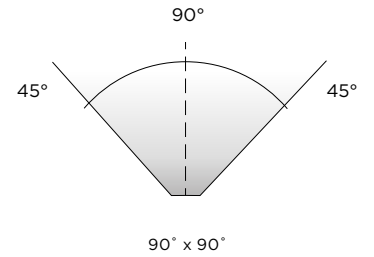
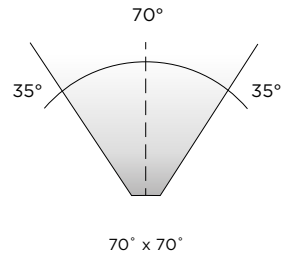
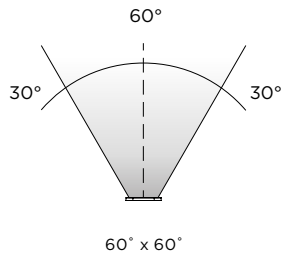
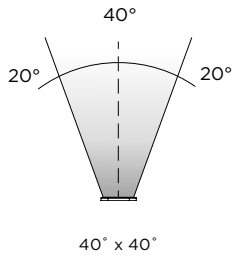
3/4

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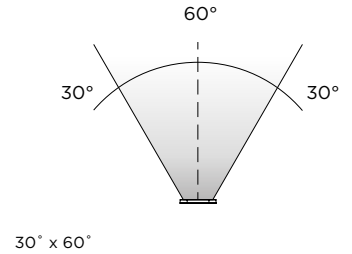
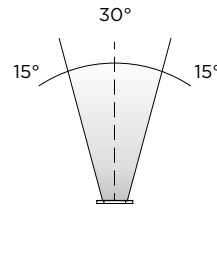
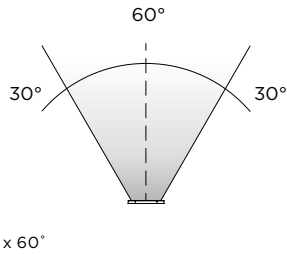
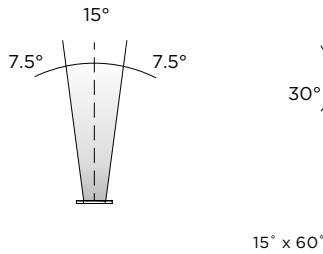
### Spot/Accent Light Distribution



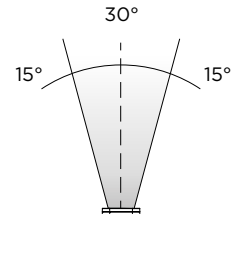
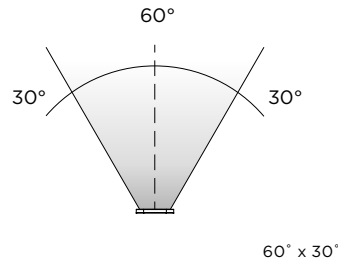
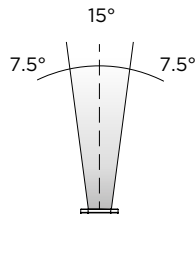
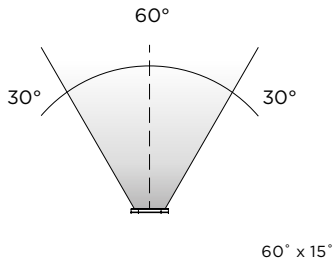
### Flood Light Distribution



### Horizontal Elliptical Light Distribution



### Vertical Elliptical Light Distribution



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