

PROJECT NAME	
CATALOG NUMBER	
NOTES	
FIXTURE TYPE	

Description

The OKT 8inch LED Commercial Downlight are suitable for 100~347 VAC Input with fired-rated junction box, which delivers high lumens of exceptional 80+ CRI, Lifetime > 50000H with 3000K,3500K, 4000K, 5000K ES color temperature options. They can replace most manufacturers incandescent, CFL or H.I.D. fixtures with apertures of 7.72" min.to 8.26" max diameter, Easy replacement and installation can be carried out without removing existing fixture.

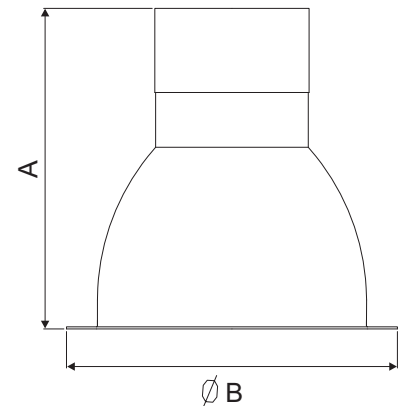
PERFORMANCE SUMMARY

Model	CE8-18W-XXX-347	CE8-27W-XXX-347	CE8-40W-XXX-347	CE8-50W-XXX-347
Efficacy	82 lm/w	82 lm/w	78 lm/w	80 lm/w
Rated Power	18 W	27 W	40 W	50 W
Delivered light output	1476 lm	2214 lm	3120 lm	4000 lm
Input Voltage	100-347V AC			
CRI	Ra>80			
CCT Options	3000K, 3500K, 4000K, 5000K			
THD	<20%			
PF	>0.9			
Standard Warranty	5 Years			
Standard Lifetime	Designed minimum 50,000 hours			
Mounting	Recessed, Retrofit			
Recommended Dimmers	DIVA-DVTV(LUTRON), NOVA T NTSTV-DV(LUTRON)			
Signal Current	<2mA			
Driver Efficiency	>87%			
Temperature Rating	Designed to operate in temperature 45°C and below room side and plenum side.			
UL Listed	YES			
Energy Star Listed	YES			
LM79 Report	YES			
Damp Rated	YES			

8inch Architectural LED Retrofit Downlight

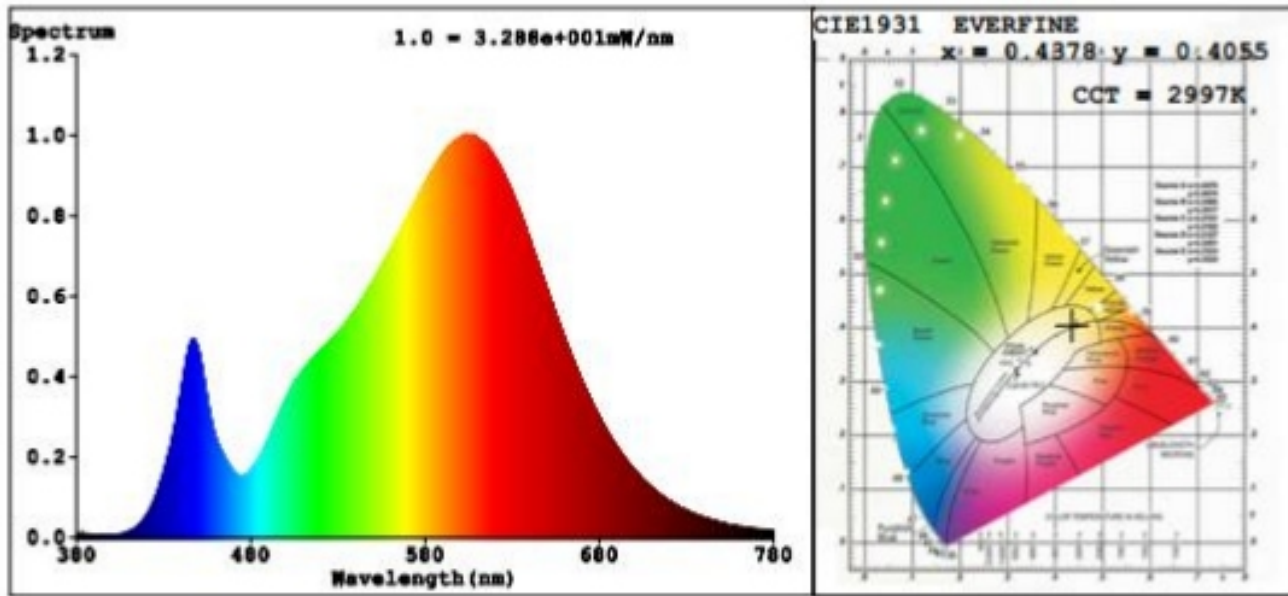


Dimension:

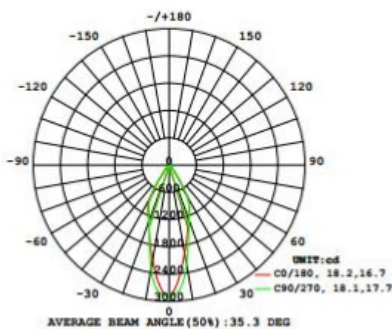


Item NO:	A	B
CE8-18W-XXX-347	8.20"	9.29"
CE8-27W-XXX-347	8.20"	9.29"
CE8-40W-XXX-347	8.20"	9.29"
CE8-50W-XXX-347	8.97"	9.29"

SPECTRAL POWER DISTRIBUTION & CHROMATICITY DIAGRAM



ZONAL LUMEN TABULATION



Zonal Lumen Summary		
Zone	Lumens	%Luminaire
0-30	1,188.6	77.3%
0-40	1,450.5	94.3%
0-60	1,528.5	99.4%
60-90	8.8	0.6%
70-100	3.4	0.2%
90-120	0	0%
0-90	1,537.3	100%
90-180	0.1	0%
0-180	1,537.4	100%

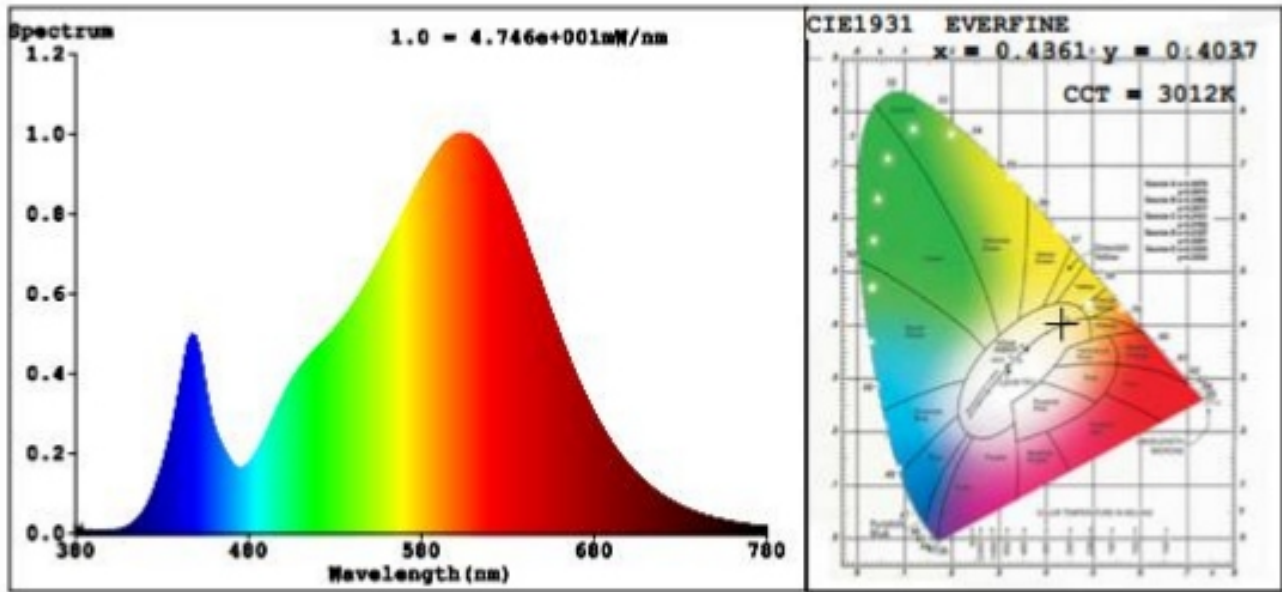
Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	238.0	15.5%	90-100	0	0%
10-20	461.7	30.0%	100-110	0	0%
20-30	489.0	31.8%	110-120	0	0%
30-40	261.9	17.0%	120-130	0.0	0%
40-50	64.9	4.2%	130-140	0.0	0%
50-60	13.1	0.9%	140-150	0.0	0%
60-70	5.5	0.4%	150-160	0.0	0%
70-80	2.7	0.2%	160-170	0.0	0%
80-90	0.6	0.0%	170-180	0.0	0%

UNIT: cd

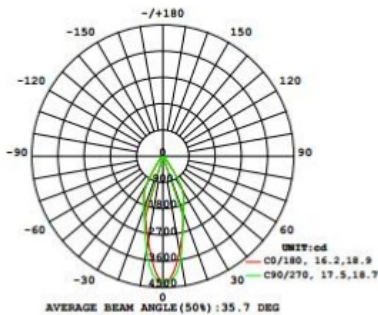
C (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338
0	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870
5	2495	2500	2574	2664	2741	2780	2756	2678	2623	2616	2684	2761	2786	2749	2674	2585
10	1971	1976	2044	2122	2216	2295	2292	2215	2128	2119	2223	2306	2312	2224	2137	2058
15	1557	1556	1578	1612	1657	1695	1709	1686	1678	1674	1699	1717	1709	1673	1630	1601
20	1239	1241	1248	1267	1287	1307	1317	1312	1322	1318	1315	1310	1308	1297	1279	1261
25	1043	1043	1045	1057	1071	1080	1087	1091	1102	1100	1091	1083	1085	1081	1069	1057
30	795	791	777	779	775	786	808	840	869	869	856	822	809	803	801	805
35	334	332	344	384	418	426	410	382	372	376	402	426	448	440	400	360
40	171	169	169	176	183	185	180	170	169	170	178	188	194	191	183	176
45	76.9	75.9	75.8	76.9	77.0	76.3	74.4	72.5	72.3	74.1	76.8	79.0	81.8	82.7	81.9	80.4
50	27.1	26.8	26.7	26.7	26.4	26.1	25.3	24.8	25.6	26.2	27.4	28.1	29.2	29.8	29.5	28.5
55	13.5	13.3	13.3	13.3	13.3	13.3	12.9	12.6	12.7	13.0	13.3	13.7	14.3	15.0	14.9	14.1
60	8.00	7.84	7.87	7.94	8.02	8.11	7.98	7.74	7.77	7.89	8.06	8.30	8.62	8.83	8.72	8.32
65	5.16	5.04	5.07	5.14	5.24	5.34	5.30	5.18	5.21	5.28	5.37	5.52	5.71	5.84	5.74	5.46
70	3.55	3.48	3.50	3.55	3.64	3.72	3.70	3.64	3.66	3.69	3.74	3.83	3.94	4.02	3.95	3.74
75	2.44	2.41	2.41	2.45	2.51	2.57	2.57	2.52	2.54	2.55	2.58	2.62	2.67	2.73	2.70	2.56
80	1.52	1.51	1.51	1.51	1.52	1.56	1.57	1.54	1.57	1.58	1.57	1.54	1.56	1.61	1.64	1.59
85	0.58	0.58	0.50	0.42	0.40	0.43	0.52	0.55	0.58	0.58	0.50	0.40	0.36	0.42	0.53	0.62



SPECTRAL POWER DISTRIBUTION & CHROMATICITY DIAGRAM



ZONAL LUMEN TABULATION



Zonal Lumen Summary		
Zone	Lumens	%Luminaire
0-30	1,802.2	77.4%
0-40	2,198.4	94.5%
0-60	2,313.8	99.4%
60-90	13.2	0.6%
70-100	5.0	0.2%
90-120	0	0%
0-90	2,327.1	100%
90-180	0.1	0%
0-180	2,327.2	100%

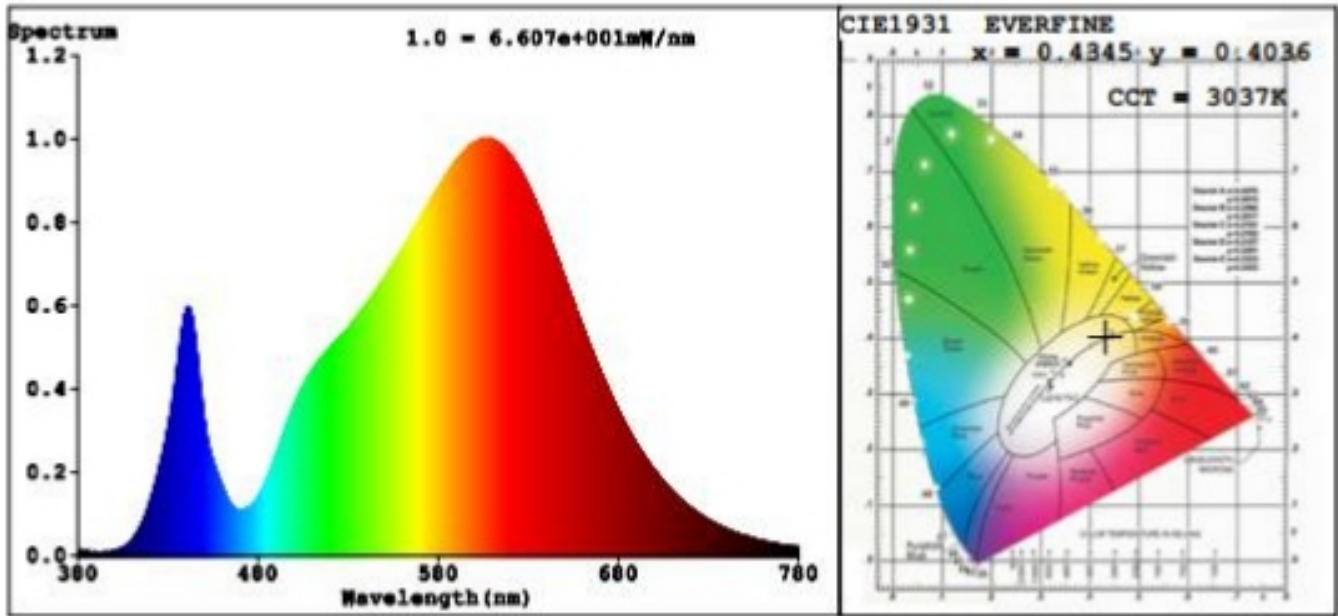
Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	358.9	15.4%	90-100	0	0%
10-20	703.1	30.2%	100-110	0	0%
20-30	740.2	31.8%	110-120	0.0	0%
30-40	396.1	17.0%	120-130	0.0	0%
40-50	95.9	4.1%	130-140	0.0	0%
50-60	19.5	0.8%	140-150	0.0	0%
60-70	8.2	0.4%	150-160	0.0	0%
70-80	4.1	0.2%	160-170	0.0	0%
80-90	0.9	0.0%	170-180	0.0	0%

UNIT: cd

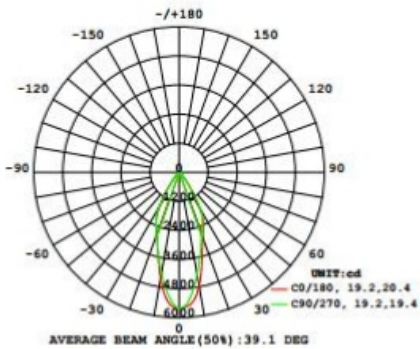
C (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338
0	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318
5	4027	4034	4124	4190	4175	4090	3960	3822	3759	3760	3832	3944	4059	4147	4177	4132
10	3312	3330	3533	3633	3539	3348	3176	3016	2929	2925	2995	3098	3245	3420	3526	3492
15	2621	2636	2707	2728	2657	2535	2429	2342	2296	2284	2310	2370	2455	2565	2653	2663
20	2062	2070	2071	2056	2027	1970	1906	1859	1837	1828	1844	1884	1932	1989	2037	2057
25	1702	1707	1698	1678	1668	1636	1592	1557	1551	1547	1551	1571	1609	1641	1676	1695
30	1360	1374	1360	1307	1261	1217	1180	1138	1116	1093	1101	1120	1135	1178	1251	1328
35	627	672	698	710	713	666	583	489	465	449	466	515	579	630	637	630
40	258	268	289	305	304	285	262	246	241	236	236	245	259	273	277	271
45	113	120	125	128	128	123	116	108	105	101	98.4	98.6	101	105	108	112
50	40.2	42.4	46.7	475.0	45.7	45.0	42.6	40.0	38.6	37.1	36.3	36.0	36.6	37.9	38.5	39.5
55	19.5	20.4	21.0	21.5	22.2	22.3	21.5	20.3	19.6	19.0	18.7	18.7	19.0	19.4	19.5	19.6
60	11.8	12.2	12.6	12.9	13.3	13.4	13.0	12.2	11.7	10.3	11.2	11.3	11.5	11.8	11.9	11.9
65	8.01	8.23	8.34	8.53	8.76	8.85	8.58	8.14	7.74	7.48	7.40	7.47	7.64	7.90	8.00	8.01
70	5.57	5.71	5.81	5.91	6.04	6.11	5.93	5.57	5.35	5.20	5.15	5.19	5.32	5.53	5.62	5.64
75	3.92	4.00	4.02	4.04	4.09	4.12	4.01	3.78	3.65	3.54	3.51	3.53	3.63	3.81	3.91	3.94
80	2.47	2.51	2.49	2.44	2.42	2.44	2.41	2.30	2.20	2.13	2.07	2.03	2.08	2.22	2.37	2.44
85	0.94	0.97	0.84	0.67	0.61	0.66	0.77	0.80	0.77	0.69	0.54	0.41	0.37	0.48	0.70	0.91



SPECTRAL POWER DISTRIBUTION & CHROMATICITY DIAGRAM



ZONAL LUMEN TABULATION



Zonal Lumen Summary		
Zone	Lumens	%Luminaire
0-30	2,490.1	77%
0-40	3,053.1	94.4%
0-60	3,216.5	99.4%
60-90	18.6	0.6%
70-100	7.1	0.2%
90-120	0	0%
0-90	3,235.1	100%
90-180	0.2	0%
0-180	3,235.3	100%

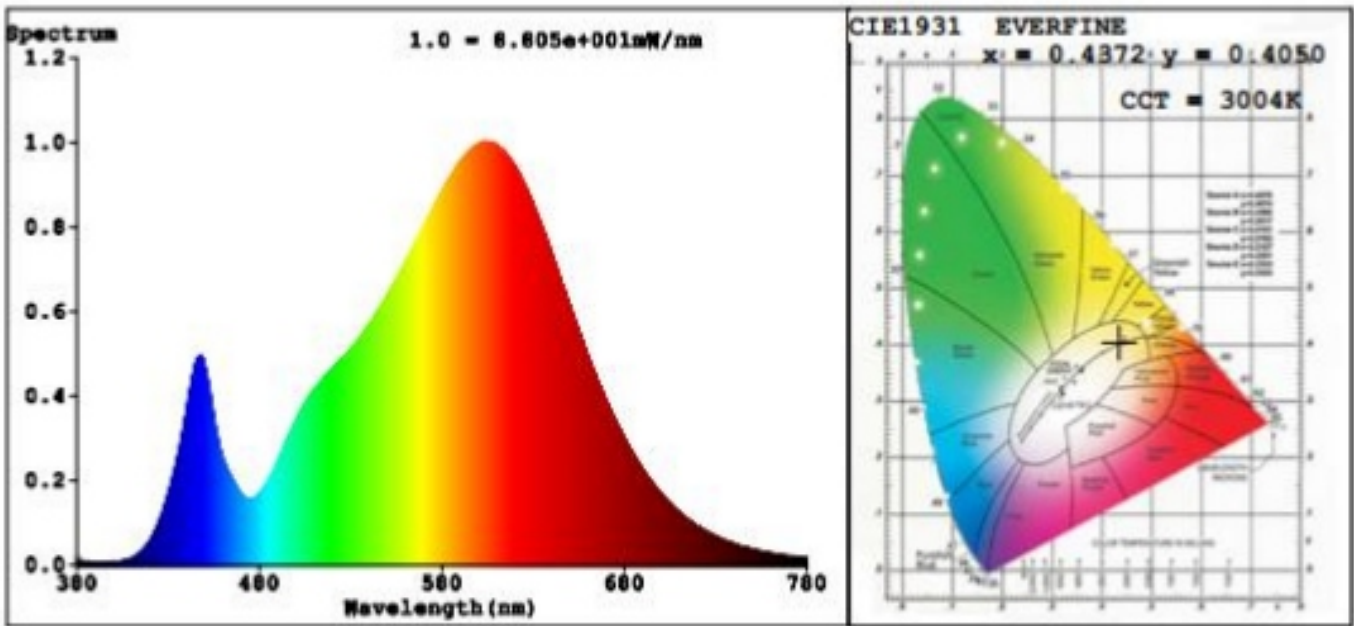
Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	478.1	14.8%	90-100	0	0%
10-20	974.4	30.1%	100-110	0	0%
20-30	1,037.6	32.1%	110-120	0	0%
30-40	563.0	17.4%	120-130	0.0	0%
40-50	135.8	4.2%	130-140	0.0	0%
50-60	27.7	0.9%	140-150	0.0	0%
60-70	11.6	0.4%	150-160	0.0	0%
70-80	5.8	0.2%	160-170	0.0	0%
80-90	1.3	0.0%	170-180	0.0	0%

UNIT: cd

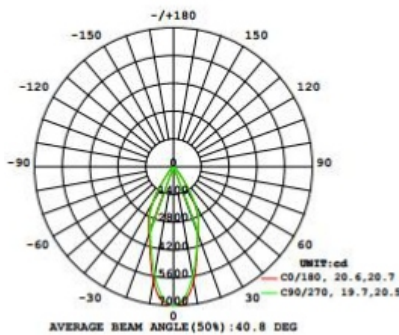
C (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338
0	5608	5608	5608	5608	5608	5608	5608	5608	5608	5608	5608	5608	5608	5608	5608	5608
5	5455	5446	5384	5282	5206	5216	5272	5315	5352	5368	5333	5220	5096	5087	5214	5372
10	4760	4687	4629	4432	4272	4284	4170	4390	4438	4528	4577	4421	4222	4244	4499	4761
15	3664	3630	3398	3502	3406	3384	3393	3395	3424	3468	3502	3441	3380	3411	3543	3670
20	2855	2851	2817	2780	2738	2708	2687	2693	2716	2728	2722	2708	2715	2736	2777	2822
25	2362	2364	2330	2313	2301	2277	2247	2247	2262	2262	2256	2266	2283	2303	2312	2328
30	1720	1741	1761	1759	1726	1694	1671	1621	1608	1594	1608	1649	1678	1718	1735	1733
35	988	990	914	854	835	796	781	823	885	875	836	794	766	794	842	921
40	400	404	400	389	377	372	372	373	380	383	377	357	339	341	366	395
45	161	165	165	165	164	161	159	158	168	165	161	150	147	151	160	165
50	60.3	61.3	61.1	60.7	60.3	60.0	59.9	60.3	58.8	58.9	57.9	57.0	55.0	56.3	56.8	56.8
55	28.4	28.8	28.7	28.3	28.0	27.8	28.2	28.5	29.3	29.4	28.9	28.6	28.1	28.1	28.1	28.3
60	17.2	17.6	17.5	17.1	16.7	16.5	16.6	16.8	17.5	17.8	17.7	17.4	17.2	17.1	17.2	17.3
65	11.5	11.7	11.7	11.4	11.0	10.8	10.9	11.0	11.4	11.6	11.6	11.5	11.4	11.3	11.3	11.5
70	8.06	8.20	8.12	7.87	7.70	7.55	7.55	7.65	7.89	8.08	8.08	7.99	7.92	7.88	7.90	7.98
75	5.51	5.59	5.50	5.35	5.24	5.15	5.14	5.25	5.43	5.56	5.53	5.43	5.38	5.37	5.42	5.50
80	3.43	3.46	3.36	3.18	3.11	3.08	3.15	3.23	3.36	3.38	3.22	3.05	3.01	3.07	3.24	3.40
85	1.33	1.30	1.05	0.82	0.76	0.83	1.03	1.19	1.25	1.15	0.85	0.57	0.48	0.64	0.97	1.30



SPECTRAL POWER DISTRIBUTION & CHROMATICITY DIAGRAM



ZONAL LUMEN TABULATION



Zonal Lumen Summary		
Zone	Lumens	%Luminaire
0-30	3,191.7	77.1%
0-40	3,910.5	94.4%
0-60	4,117.1	99.4%
60-90	24.6	0.6%
70-100	9.4	0.2%
90-120	0	0%
0-90	4,141.7	100%
90-180	0.2	0%
0-180	4,141.9	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	607.6	14.7%	90-100	0	0%
10-20	1,259.1	30.4%	100-110	0	0%
20-30	1,325.1	32.0%	110-120	0	0%
30-40	718.7	17.4%	120-130	0.0	0%
40-50	170.7	4.1%	130-140	0.0	0%
50-60	36.0	0.9%	140-150	0.0	0%
60-70	15.3	0.4%	150-160	0.0	0%
70-80	7.6	0.2%	160-170	0.0	0%
80-90	1.8	0.0%	170-180	0.0	0%

UNIT: cd

C (DEG) \ Y (DEG)	0	23	45	68	90	113	135	158	180	203	225	248	270	293	315	338
0	6988	6988	6988	6988	6988	6988	6988	6988	6988	6988	6988	6988	6988	6988	6988	6988
5	6730	6713	6655	6582	6587	6666	6735	6761	6764	6742	6680	6602	6593	6656	6707	6730
10	5857	5901	5810	5606	5577	5804	5952	5922	5841	5818	5713	5517	5508	5651	5731	5777
15	4580	4636	4587	4482	4468	4579	4664	4625	4566	4530	4449	4344	4343	4403	4462	4513
20	3599	3612	3588	3574	3570	3580	3599	3605	3588	3547	3496	3459	3458	3474	3514	3561
25	2951	2958	2967	2973	2973	2953	2945	2965	2960	2926	2905	2886	2882	2871	2890	2930
30	2073	2126	2189	2219	2226	2221	2177	2145	2145	2153	2140	2081	2066	2075	2090	2076
35	1130	1108	1088	1099	1122	1132	1157	1209	1213	1128	1055	1036	1024	1011	1069	1137
40	474	481	472	458	465	492	513	506	499	483	465	449	446	453	466	473
45	188	191	194	198	204	209	212	213	223	215	207	200	197	196	197	199
50	72.8	72.9	73.2	74.8	77.4	76.4	76.6	79.2	82.0	79.1	74.9	71.7	70.8	70.5	71.1	71.2
55	36.1	36.0	35.9	35.9	36.6	37.3	37.8	39.1	40.7	39.7	37.7	36.2	35.6	35.7	36.1	36.2
60	22.1	22.1	22.0	21.9	22.1	22.5	22.9	23.7	24.7	24.2	22.8	21.8	21.3	21.4	21.6	21.9
65	14.8	14.9	14.8	14.7	14.8	15.0	15.3	15.8	16.6	16.2	15.3	14.5	14.1	14.1	14.3	14.5
70	10.3	10.5	10.4	10.3	10.4	10.5	10.7	11.0	11.4	11.1	10.5	10.0	9.74	9.75	9.87	10.1
75	7.14	7.27	7.26	7.21	7.23	7.26	7.41	7.56	7.75	7.57	7.13	6.77	6.58	6.58	6.71	6.95
80	4.39	4.48	4.45	4.38	4.35	4.44	4.59	4.72	4.83	4.65	4.25	3.89	3.73	3.77	3.94	4.25
85	1.55	1.61	1.40	1.16	1.11	1.27	1.62	1.90	1.96	1.78	1.29	0.87	0.67	0.77	1.08	1.44

