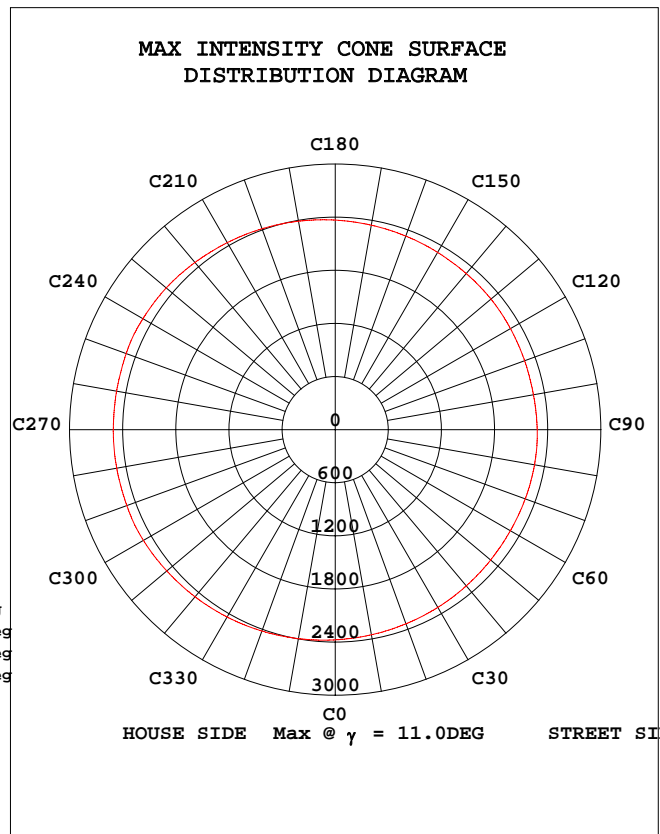
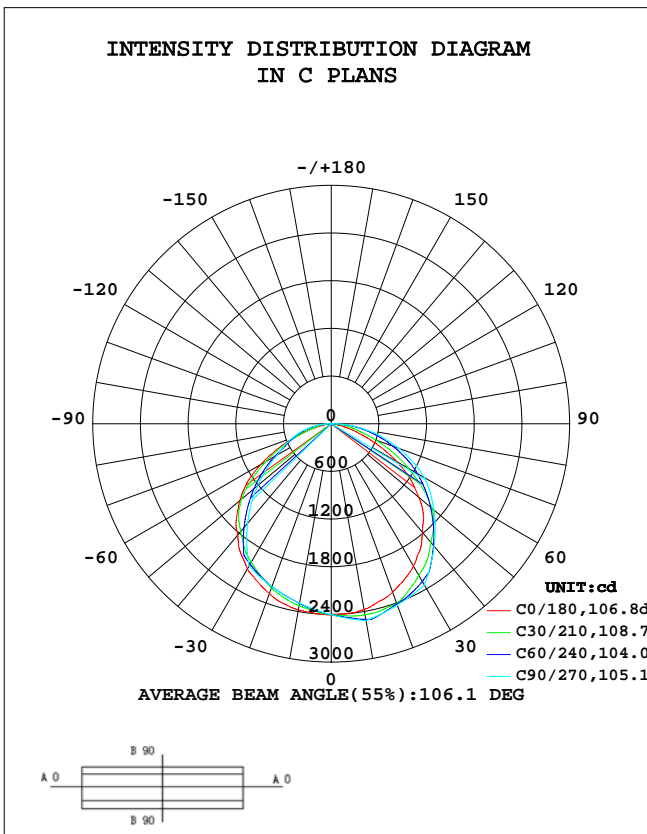


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:120.3V I:0.5104A P:61.15W PF:0.9961 Lamp Flux:6948.43x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.62 lm/W			
MODEL	KLWPF060	I _{max} (cd)	2516	η street_up(%)	0.0
NOMINAL POWER(W)	62	LOR(%)	100.0	η street_down(%)	44.9
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	6948	η house_up(%)	0.0
NOMINAL FLUX(lm)	6948.43	MAXIMUM @(C,γ)	245,11.0	η house_down(%)	55.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.05000
TEST VOLTAGE(V)	120.3	η down(%)	100.0	SLI	20.337



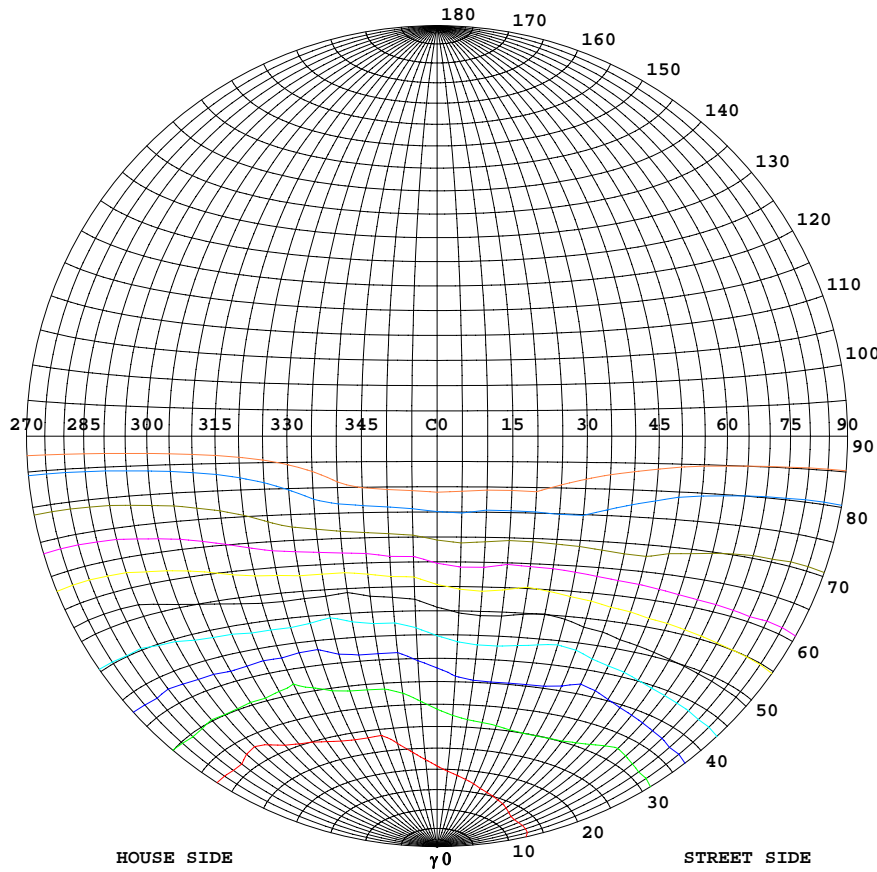
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: 01
 Test Date: 2017-01-13

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=1.0000]
 Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:120.3V I:0.5104A P:61.15W PF:0.9961 Lamp Flux:6948.43x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:



Classification:

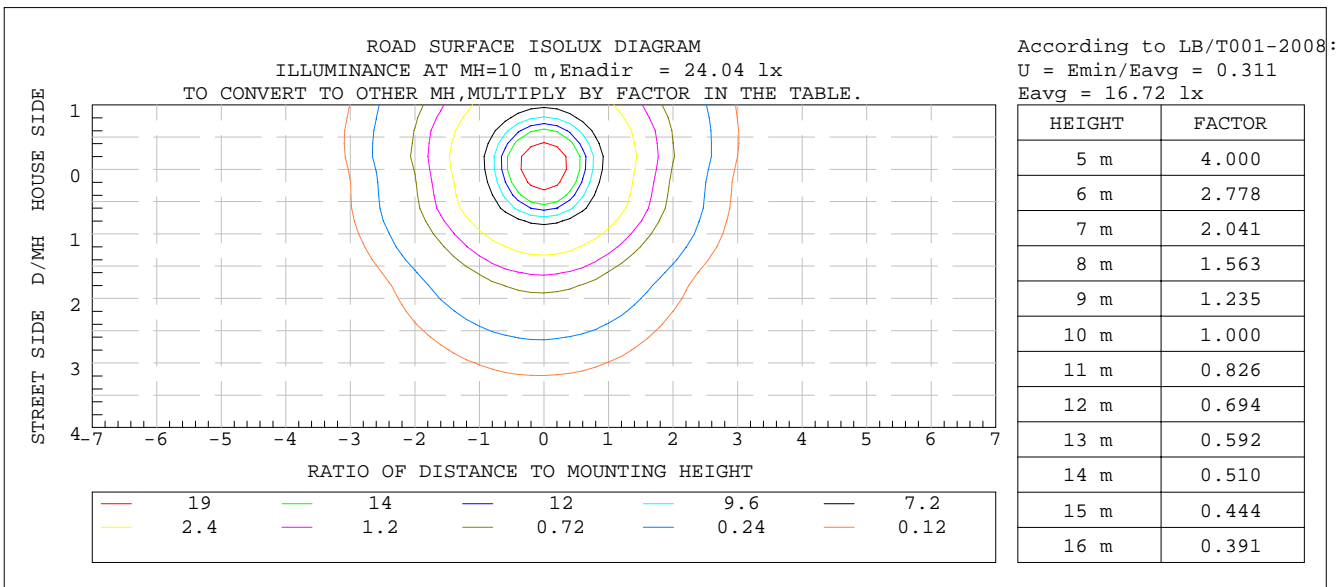
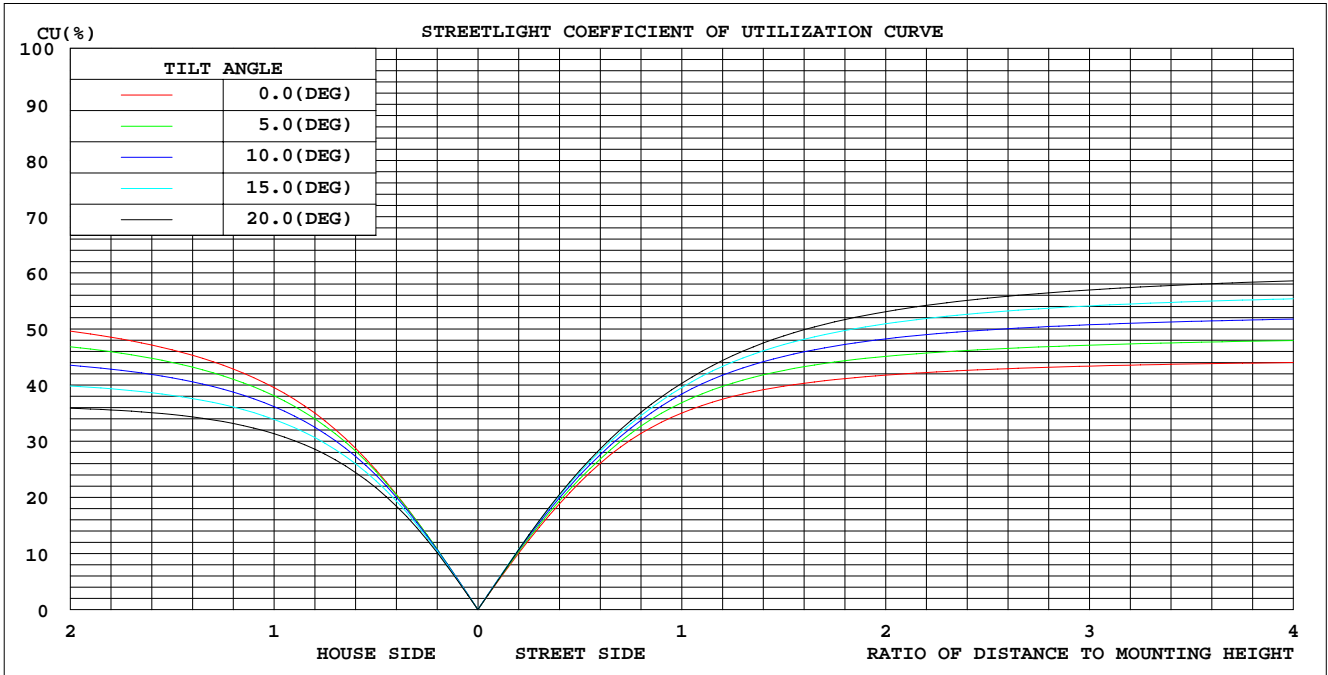
IES:Type II - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:65.62cd/klm
 Max.At90:0.2591cd/klm
 Max.80-90:65.62cd/klm
 NRB 5101:Limited[5.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2516
90%	2264
80%	2012
70%	1761
60%	1509
50%	1258
40%	1006
30%	755
20%	503
10%	252
5%	126

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:01
 Test Date:2017-01-13

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:%
 Test Distance:9.190m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: 01
Test Date: 2017-01-13

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: %
Test Distance: 9.190m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:120.3V I:0.5104A P:61.15W PF:0.9961 Lamp Flux:6948.43x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

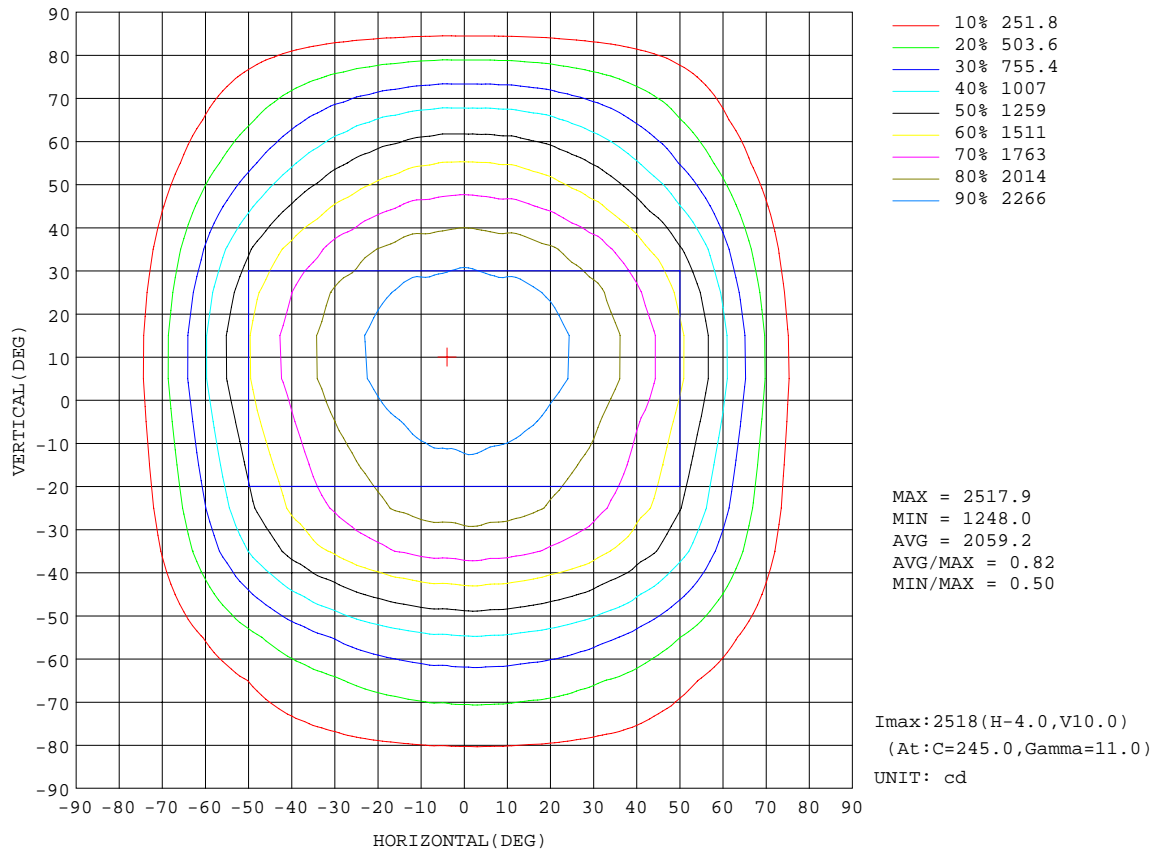
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	2394	2360	2348	2357	2397	2440	2459	2438	0- 5	57.40	57.40	0.83,0.83
10	2379	2306	2292	2312	2374	2476	2515	2467	5- 10	171.3	228.7	3.29,3.29
15	2340	2254	2236	2246	2317	2479	2472	2483	10- 15	281.3	510.0	7.34,7.34
20	2275	2185	2181	2164	2257	2405	2429	2420	15- 20	382.5	892.6	12.8,12.8
25	2195	2105	2125	2089	2168	2326	2386	2345	20- 25	472.9	1365	19.7,19.7
30	2112	2015	2069	1993	2069	2242	2343	2263	25- 30	551.4	1917	27.6,27.6
35	1988	1927	1854	1899	1945	2145	2179	2163	30- 35	612.2	2529	36.4,36.4
40	1831	1818	1638	1771	1786	2024	2014	2060	35- 40	645.5	3175	45.7,45.7
45	1688	1584	1423	1529	1643	1830	1850	1861	40- 45	653.3	3828	55.1,55.1
50	1501	1341	1208	1299	1440	1603	1686	1647	45- 50	637.7	4466	64.3,64.3
55	1293	1112	992.2	1057	1217	1385	1521	1427	50- 55	596.6	5062	72.9,72.9
60	1030	876.8	776.7	809.3	952.2	1164	1357	1206	55- 60	532.3	5594	80.5,80.5
65	736.8	635.7	647.4	572.2	672.1	936.0	1131	979.4	60- 65	447.1	6041	86.9,86.9
70	471.9	445.4	518.1	389.6	417.1	716.7	905.3	760.1	65- 70	351.1	6393	92.92
75	253.8	323.5	388.7	282.2	220.0	519.2	679.4	555.6	70- 75	256.6	6649	95.7,95.7
80	96.51	210.2	259.4	183.2	82.13	337.2	453.5	362.2	75- 80	171.2	6820	98.2,98.2
85	9.288	104.0	130.0	90.39	5.747	167.1	227.6	178.8	80- 85	96.64	6917	99.5,99.5
90	1.013	0.7388	0.6622	0.5265	0.5943	1.359	1.766	1.070	85- 90	31.44	6948	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:01
 Test Date:2017-01-13

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:%
 Test Distance:9.190m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

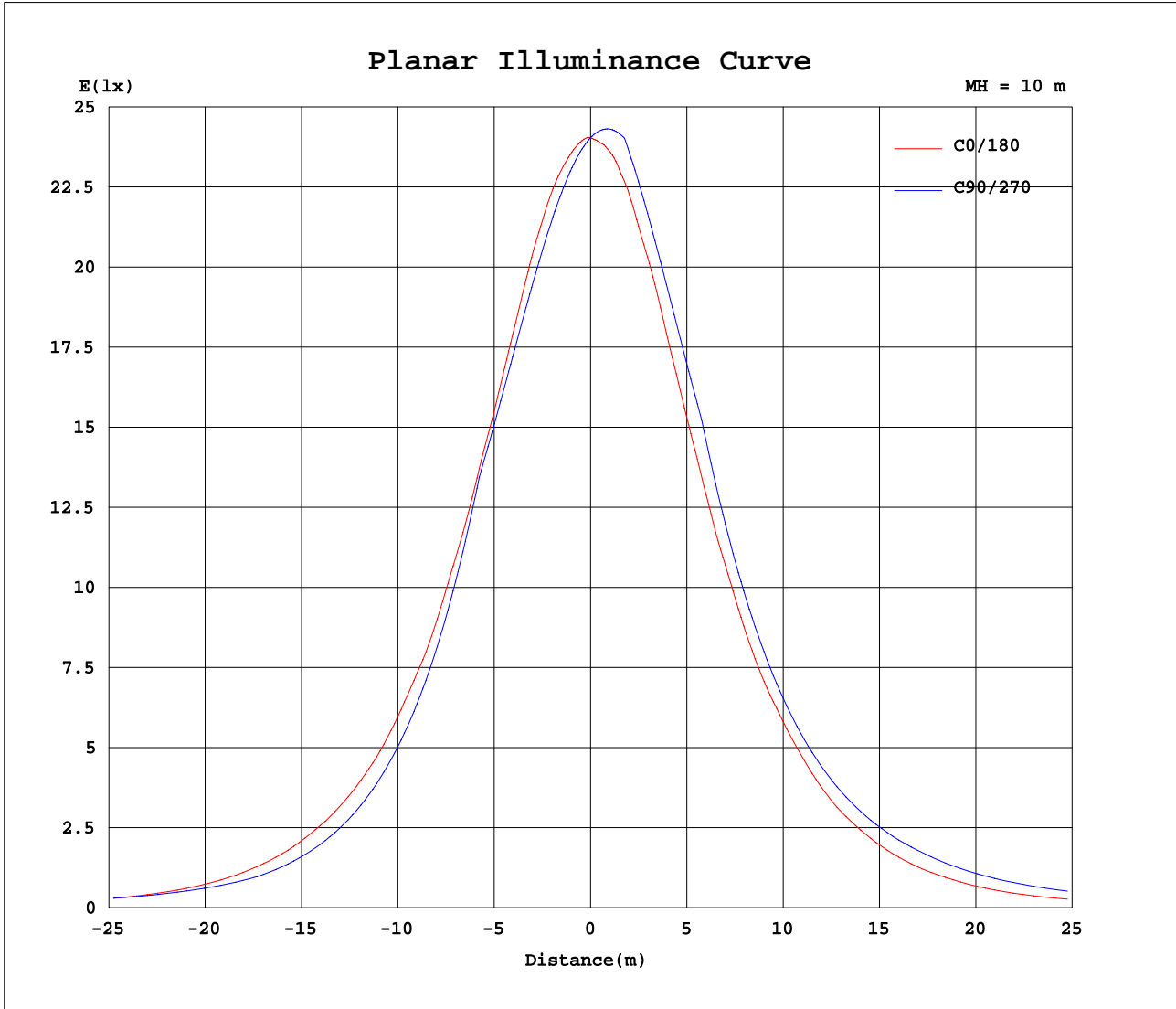
Test:U:120.3V I:0.5104A P:61.15W PF:0.9961 Lamp Flux:6948.43x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: 01
 Test Date: 2017-01-13

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: 01
 Test Date: 2017-01-13

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance: 9.190m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.5104A P:61.15W PF:0.9961 Lamp Flux:6948.43x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) \ y (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404
5	2394	2389	2385	2380	2376	2372	2368	2365	2362	2360	2358	2356	2355	2354	2353	2352	2351	2349	2348
10	2379	2369	2359	2350	2342	2334	2326	2319	2312	2306	2301	2298	2296	2296	2296	2296	2296	2295	2292
15	2340	2326	2312	2300	2288	2280	2272	2265	2259	2254	2249	2243	2238	2233	2234	2238	2240	2241	2236
20	2275	2256	2239	2226	2215	2206	2199	2194	2188	2185	2183	2181	2181	2177	2173	2175	2183	2186	2181
25	2195	2172	2152	2136	2123	2114	2107	2102	2104	2105	2109	2111	2112	2117	2116	2112	2123	2130	2125
30	2112	2083	2060	2043	2028	2017	2012	2011	2013	2015	2024	2032	2042	2048	2057	2056	2059	2075	2069
35	1988	1954	1928	1908	1898	1897	1908	1916	1921	1927	1937	1949	1927	1907	1886	1872	1854	1862	1854
40	1831	1797	1777	1769	1769	1770	1771	1786	1818	1818	1773	1736	1708	1688	1670	1658	1641	1646	1638
45	1688	1650	1628	1615	1606	1614	1651	1667	1616	1584	1551	1516	1488	1469	1453	1442	1429	1430	1423
50	1501	1456	1430	1424	1443	1474	1472	1433	1386	1341	1321	1292	1268	1250	1234	1224	1216	1214	1208
55	1293	1240	1216	1222	1248	1264	1224	1174	1146	1112	1080	1066	1046	1030	1017	1007	1003	999	992
60	1030	977	961	981	1022	988	951	924	892	877	851	835	820	812	802	789	789	784	777
65	737	697	701	739	723	712	692	669	649	636	624	610	623	638	645	645	653	651	647
70	472	446	465	476	471	459	447	425	414	445	471	483	497	507	514	515	522	521	518
75	254	244	266	264	260	247	248	274	300	323	347	360	370	379	385	386	391	391	389
80	96.5	105	109	108	114	135	156	175	193	210	229	239	246	252	256	257	261	261	259
85	9.29	17.7	20.3	36.6	51.5	63.5	75.0	85.7	94.8	104	114	119	123	126	128	129	131	131	130
90	1.01	1.15	1.04	0.61	0.62	0.96	0.93	0.87	0.80	0.74	0.76	0.76	0.76	0.76	0.72	0.72	0.71	0.70	0.66

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:01
Test Date:2017-01-13

y Range: 0 - 90DEG
y Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Humidity: %
Test Distance:9.190m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.5104A P:61.15W PF:0.9961 Lamp Flux:6948.43x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404
5	2346	2345	2345	2345	2346	2348	2349	2353	2357	2361	2365	2369	2373	2377	2382	2387	2392	2397	2402
10	2288	2286	2285	2288	2292	2295	2300	2306	2312	2315	2320	2324	2330	2338	2346	2355	2364	2374	2384
15	2229	2225	2228	2231	2237	2241	2241	2243	2246	2249	2252	2255	2261	2268	2279	2290	2303	2317	2333
20	2169	2166	2169	2176	2175	2174	2171	2167	2164	2169	2175	2181	2188	2196	2207	2221	2237	2257	2279
25	2109	2108	2114	2113	2108	2099	2090	2092	2089	2083	2082	2082	2087	2096	2110	2125	2145	2168	2195
30	2049	2049	2055	2048	2033	2023	2019	2003	1993	1985	1983	1979	1981	1987	2001	2017	2040	2069	2105
35	1839	1850	1865	1873	1885	1915	1927	1912	1899	1881	1869	1858	1855	1859	1869	1887	1912	1945	1984
40	1625	1638	1647	1651	1671	1683	1708	1741	1771	1764	1745	1739	1725	1715	1716	1730	1752	1786	1832
45	1411	1424	1426	1430	1446	1459	1482	1504	1529	1580	1625	1587	1574	1553	1551	1568	1598	1643	1702
50	1197	1208	1206	1211	1219	1232	1248	1264	1299	1332	1374	1424	1399	1377	1369	1374	1395	1440	1509
55	982	991	987	989	995	1005	1015	1028	1057	1084	1117	1149	1198	1176	1149	1143	1165	1217	1298
60	767	772	768	767	771	776	777	796	809	836	856	888	919	945	915	892	903	952	1042
65	638	636	624	613	599	580	554	558	572	587	608	631	646	662	670	634	631	672	758
70	510	508	498	488	475	458	434	412	390	359	368	388	405	413	413	401	389	417	470
75	383	381	372	365	354	338	322	304	282	256	230	200	200	214	218	218	207	220	248
80	255	254	248	243	235	223	213	200	183	164	145	124	104	84.7	80.3	84.4	85.2	82.1	93.5
85	128	127	124	121	117	111	106	98.9	90.4	80.3	69.9	59.1	48.3	37.6	23.1	7.99	9.87	5.75	10.8
90	0.63	0.63	0.62	0.61	0.59	0.54	0.53	0.53	0.53	0.58	0.60	0.60	0.59	0.44	0.44	0.61	0.68	0.59	1.14

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:01
 Test Date:2017-01-13

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity: %
 Test Distance:9.190m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.5104A P:61.15W PF:0.9961 Lamp Flux:6948.43x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEC) γ (DEC)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404
5	2407	2413	2418	2423	2428	2433	2437	2440	2443	2445	2449	2452	2454	2455	2457	2458	2459	2460	2459
10	2395	2406	2417	2427	2440	2452	2464	2476	2485	2492	2499	2506	2509	2511	2514	2514	2515	2515	2512
15	2350	2368	2388	2409	2432	2455	2477	2479	2475	2473	2474	2474	2471	2472	2470	2471	2472	2471	2468
20	2304	2331	2360	2388	2407	2400	2398	2405	2414	2419	2415	2413	2417	2417	2421	2425	2429	2426	2418
25	2226	2261	2296	2310	2312	2318	2324	2326	2332	2349	2363	2362	2356	2363	2367	2377	2386	2379	2367
30	2146	2191	2211	2208	2204	2214	2228	2242	2254	2265	2292	2312	2306	2303	2311	2329	2343	2331	2312
35	2028	2072	2072	2086	2100	2112	2114	2145	2172	2189	2180	2192	2186	2159	2160	2168	2179	2168	2157
40	1890	1922	1934	1941	1949	1985	2021	2024	2011	2011	2002	2001	2016	2001	1998	2005	2014	2004	1996
45	1772	1759	1760	1782	1822	1848	1829	1830	1812	1817	1820	1821	1839	1841	1835	1842	1850	1842	1835
50	1571	1579	1592	1629	1654	1629	1611	1603	1617	1613	1632	1646	1654	1676	1671	1681	1686	1680	1674
55	1334	1343	1385	1420	1396	1386	1383	1385	1403	1419	1442	1462	1477	1505	1508	1521	1521	1518	1513
60	1063	1098	1148	1134	1128	1131	1143	1164	1184	1223	1250	1275	1305	1332	1347	1362	1357	1358	1354
65	768	813	836	844	857	874	899	936	977	1019	1043	1071	1099	1112	1126	1137	1131	1134	1133
70	493	523	544	572	594	621	665	717	762	799	825	854	877	887	901	910	905	908	907
75	269	283	308	332	370	423	474	519	560	590	616	639	655	663	676	683	679	682	681
80	102	112	139	185	228	267	304	337	368	390	409	425	436	442	451	456	454	455	455
85	12.0	34.8	59.7	84.9	109	130	149	167	183	195	205	213	218	221	226	229	228	228	228
90	1.16	1.15	1.24	1.32	1.39	1.37	1.36	1.36	1.40	1.44	1.53	1.63	1.70	1.77	1.80	1.80	1.77	1.67	1.56

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:01
 Test Date:2017-01-13

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.276
 Humidity:%
 Test Distance:9.190m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.3V I:0.5104A P:61.15W PF:0.9961 Lamp Flux:6948.43x1 lm		
NAME: LED WALL PACK	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: KiLi-LED Lighting Limited	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404	2404				
5	2458	2456	2453	2450	2446	2442	2438	2433	2429	2424	2419	2414	2409	2404	2399				
10	2508	2502	2497	2492	2486	2477	2467	2459	2450	2440	2430	2420	2409	2399	2389				
15	2465	2466	2466	2467	2471	2477	2483	2484	2467	2447	2427	2408	2390	2373	2356				
20	2414	2410	2410	2417	2423	2423	2420	2422	2427	2431	2407	2377	2349	2322	2297				
25	2357	2353	2363	2366	2357	2351	2345	2340	2337	2335	2336	2321	2286	2252	2222				
30	2300	2306	2312	2297	2280	2269	2263	2249	2236	2231	2231	2239	2223	2183	2145				
35	2158	2186	2192	2192	2205	2192	2163	2149	2137	2133	2124	2116	2122	2075	2028				
40	2004	2020	2015	2019	2033	2033	2060	2048	2031	1996	1983	1973	1962	1935	1878				
45	1848	1847	1840	1846	1837	1849	1861	1873	1888	1858	1825	1803	1807	1814	1743				
50	1686	1673	1668	1656	1648	1646	1647	1649	1666	1676	1661	1640	1616	1616	1566				
55	1519	1501	1492	1467	1455	1445	1427	1422	1411	1446	1470	1435	1410	1399	1371				
60	1348	1333	1307	1279	1255	1231	1206	1181	1181	1174	1187	1210	1164	1133	1121				
65	1129	1123	1099	1081	1055	1019	979	948	925	906	896	885	872	824	822				
70	902	897	875	857	832	799	760	716	666	636	608	580	563	539	524				
75	676	671	654	636	618	587	556	513	458	398	353	329	309	298	278				
80	450	447	434	422	409	386	362	328	289	244	196	147	122	111	104				
85	226	224	217	211	204	192	179	161	140	115	90.2	63.4	37.5	12.5	12.4				
90	1.50	1.40	1.27	1.18	1.11	1.10	1.07	1.05	1.05	1.14	1.15	1.19	1.23	1.25	1.29				

C Range: 0 - 360DEG	γ Range: 0 - 90DEG
C Interval: 5.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.276
Temperature: 20DEG	Humidity: %
Operators: 01	Test Distance: 9.190m [K=1.0000]
Test Date: 2017-01-13	Remarks: