luminous intensity distribution data

LED lamp description		
Name:PAR38-24W	Dimension:D120mmXH118mm	Weight:480G
Tpye:PAR38 LED Light	Rated voltage:AC240V	Rated wattage:22.1W
LED Type:CREE LED	LED specifications:CREE LED	Standard of luminous flux:1360LM
LED quantity:12 PCS	Radiation buccofacial apraxia:	Test No:20100818003

units: cd

γ\c	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0.0	2614	2596	2552	2611	2567	2620	2570	2634	2551	2637	2555	2622	2553	2596	2562	2574	2562	2536	2614
3.6	2596	2614	2559	2592	2521	2565	2297	2564	2255	2566	2299	2572	2299	2565	2317	2576	2336	2504	2565
7.2	2161	2377	2108	2246	2056	2319	2070	2313	2064	2313	2051	2299	2072	2319	2082	2340	2055	2373	2342
10.8	1913	2144	1978	2116	1837	2091	1827	2090	1791	2060	1805	2070	1813	2083	1833	2083	1877	2126	2104
14.4	1651	1919	1591	1982	1552	1827	1510	1810	1456	1813	1516	1833	1531	1830	1562	1863	1583	1885	1945
18.0	1311	1601	1224	1569	1215	1537	1175	1516	1157	1520	1144	1518	1197	1552	1233	1591	1262	1614	1559
21.6	852.1	1275	839.6	1237	798.0	1201	783.2	1179	738.1	1145	753.9	1178	771.9	1220	817.6	1237	897.0	1301	1210
25.2	501.1	897.2	462.1	814.2	420.4	772.5	383.9	763.5	385.9	764.0	385.6	794.5	402.9	804.6	433.9	855.9	464.4	852.1	782.1
28.8	297.4	470.0	262.1	438.4	277.1	404.6	265.7	356.5	265.2	400.1	265.2	397.1	273.1	417.6	282.4	468.3	286.6	500.5	405.1
32.4	235.3	250.0	228.0	261.6	217.8	272.5	216.1	270.8	211.0	265.8	212.7	269.2	213.3	276.5	215.5	280.4	230.2	254.0	272.0
36.0	187.5	234.2	183.4	221.2	177.2	213.3	173.2	211.6	172.1	212.2	172.7	215.6	171.5	215.6	173.8	224.0	176.6	228.7	208.5
39.6	176.1	184.5	165.3	180.0	159.1	174.9	153.5	173.2	153.5	172.7	152.4	171.0	152.9	171.5	156.9	176.1	156.5	180.0	164.2
43.2	132.6	171.0	127.5	162.5	120.8	155.2	120.8	154.0	115.6	151.2	120.2	151.8	118.5	153.5	120.8	155.7	127.0	156.5	145.0
46.8	106.6	131.5	102.7	122.4	96.75	117.9	97.05	117.9	96.75	119.1	95.31	119.6	97.62	117.9	96.75	122.4	101.0	126.4	110.6
50.4	85.72	103.8	83.77	95.88	82.38	97.05	82.69	97.62	82.38	96.75	81.28	97.05	82.95	97.62	84.08	95.88	87.46	103.3	90.85
54.0	62.63	80.59	55.81	84.08	54.73	80.69	54.17	78.43	54.17	80.69	54.17	81.82	53.61	82.38	55.30	84.08	63.20	87.46	76.18
57.6	45.66	61.51	45.66	55.86	44.50	53.04	44.01	53.04	45.14	54.17	45.14	54.17	43.45	53.61	44.50	57.58	45.05	62.07	45.66
61.2	42.32	46.53	42.88	46.27	38.37	44.01	38.68	44.50	38.37	45.14	37.81	44.01	37.24	44.01	38.53	45.71	42.32	45.05	41.76
64.8	37.24	42.32	37.81	39.50	32.73	38.37	32.16	36.80	31.60	37.24	31.60	37.24	31.03	38.37	32.16	38.37	38.68	42.32	37.24
68.4	33.25	36.68	32.16	33.86	27.08	31.60	24.83	30.47	24.83	31.60	25.39	31.60	24.83	31.03	26.52	33.25	31.60	36.68	32.73
72.0	28.78	32.16	26.52	28.21	23.13	25.96	19.75	24.26	19.19	25.96	19.75	24.26	19.19	25.39	22.57	28.21	27.08	32.16	25.91
75.6	25.39	25.39	23.13	22.57	18.06	19.19	15.80	17.45	15.80	18.62	15.80	17.45	15.24	19.19	18.06	26.52	23.70	25.39	25.96
79.2	20.31	20.88	18.62	17.45	14.11	14.11	11.85	13.54	10.72	12.98	10.72	12.98	11.85	14.11	13.54	18.62	18.62	20.88	20.31
82.8	16.38	16.93	15.80	12.98	9.59	10.16	8.46	9.03	7.34	9.03	7.34	9.03	7.90	10.16	9.59	12.41	14.11	16.93	16.93
86.4	14.11	14.11	12.98	9.03	7.34	7.34	7.34	6.77	6.77	6.77	6.77	6.77	6.77	7.34	6.77	8.46	11.29	14.11	13.54
90.0	9.03	9.59	8.46	7.90	7.34	6.77	6.77	6.77	6.77	6.77	6.77	6.77	6.77	6.77	6.77	7.34	7.90	9.03	7.90