

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

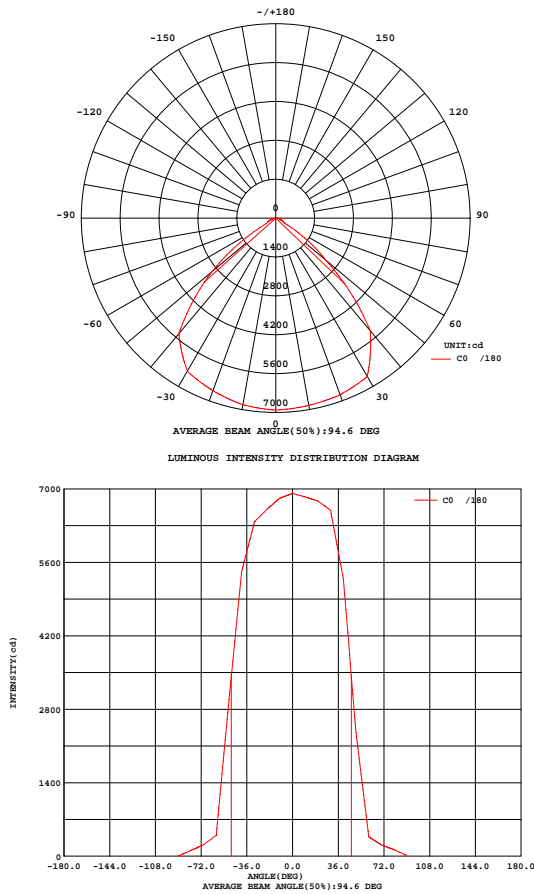


Fig. C0 / 180

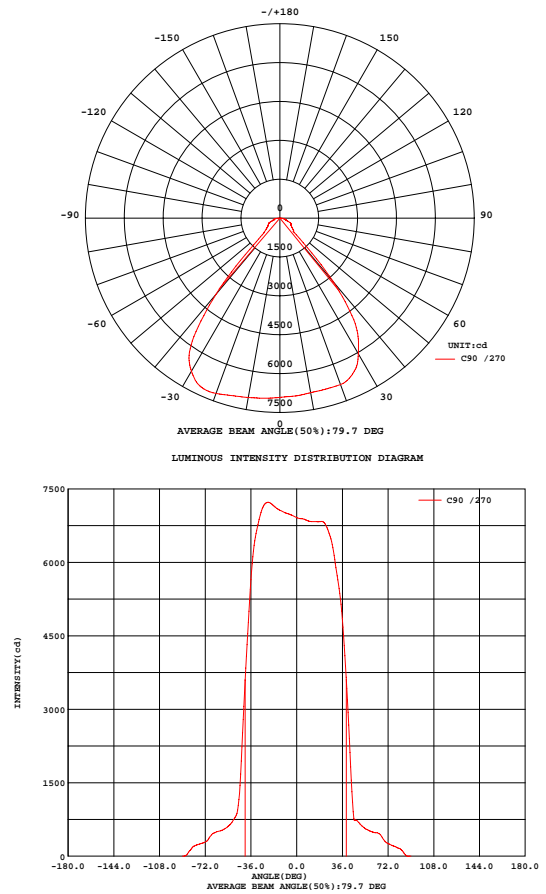


Fig. C90 / 270

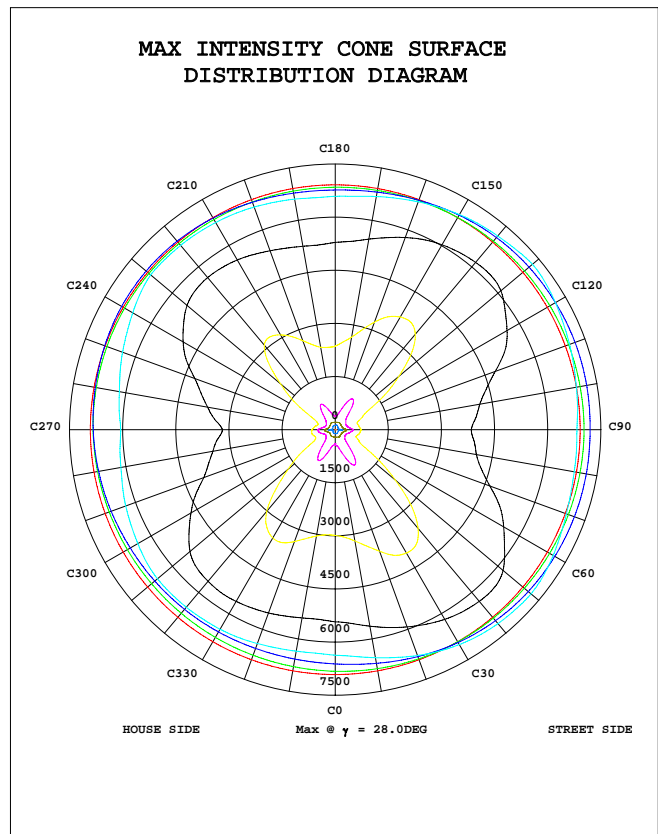
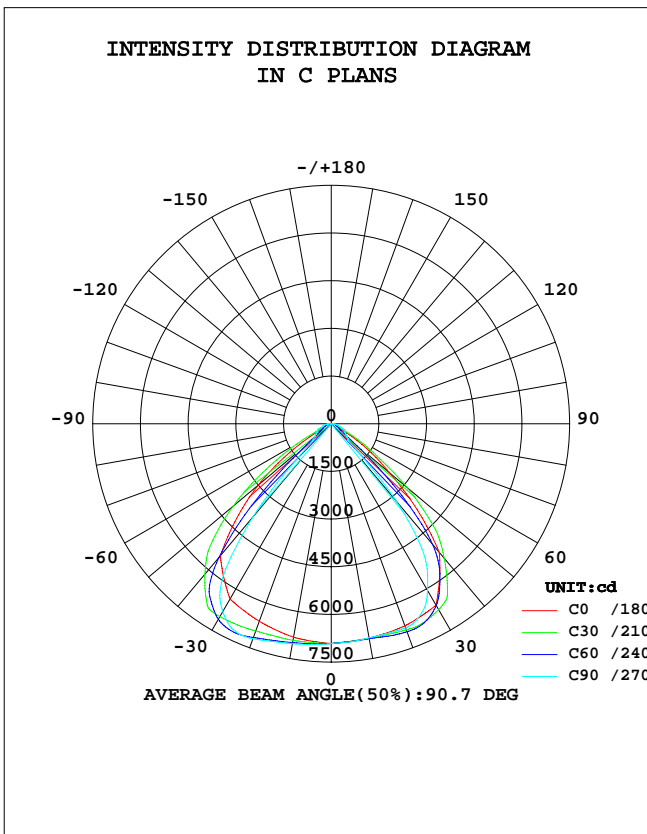
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Grace
Test Date:2015-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.253
Humidity:55.0%
Test Distance:10.200m [K=1.0000]
Remarks:

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.2V I:0.5400A P:116.9W PF:0.9820 Lamp Flux:13938x1 lm		
NAME: LED Tunnel Light	TYPE:Cool White	WEIGHT:6.2Kg
DIMENSION: 417*307*217mm	SPECIFICATION:	SERIAL No.:
MANUFACTURER: SPARK	SURFACE:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 119.23 lm/W			
MODEL	SPT-B120	I _{max} (cd)	7300	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	52.0
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13938	η house_up(%)	0.0
NOMINAL FLUX(lm)	13938	MAXIMUM @(C,γ)	130,28.0	η house_down(%)	48.0
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.0500
TEST VOLTAGE(V)	220.2	η down(%)	100.0	SLI	19.933



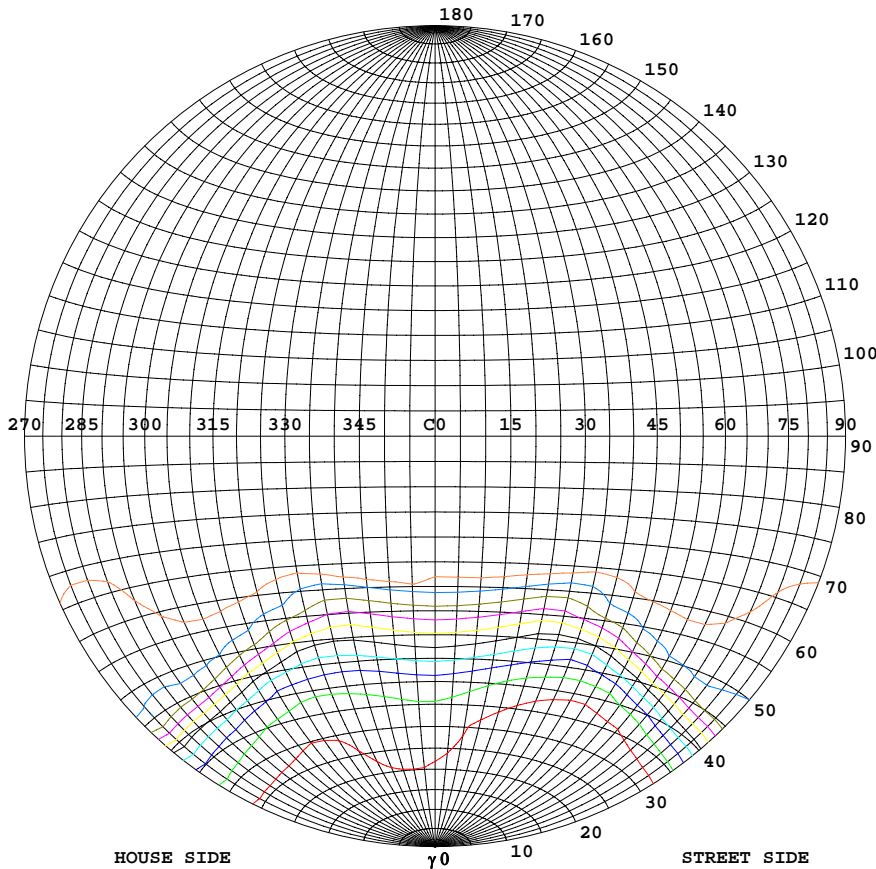
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Grace
 Test Date:2015-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.253
 Humidity:55.0%
 Test Distance:10.200m [K=1.0000]
 Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.2V I:0.5400A P:116.9W PF:0.9820 Lamp Flux:13938x1 lm		
NAME: LED Tunnel Light	TYPE:Cool White	WEIGHT:6.2Kg
DIMENSION: 417*307*217mm	SPECIFICATION:	SERIAL No.:
MANUFACTURER: SPARK	SURFACE:	PROTECTION ANGLE:



Classification:

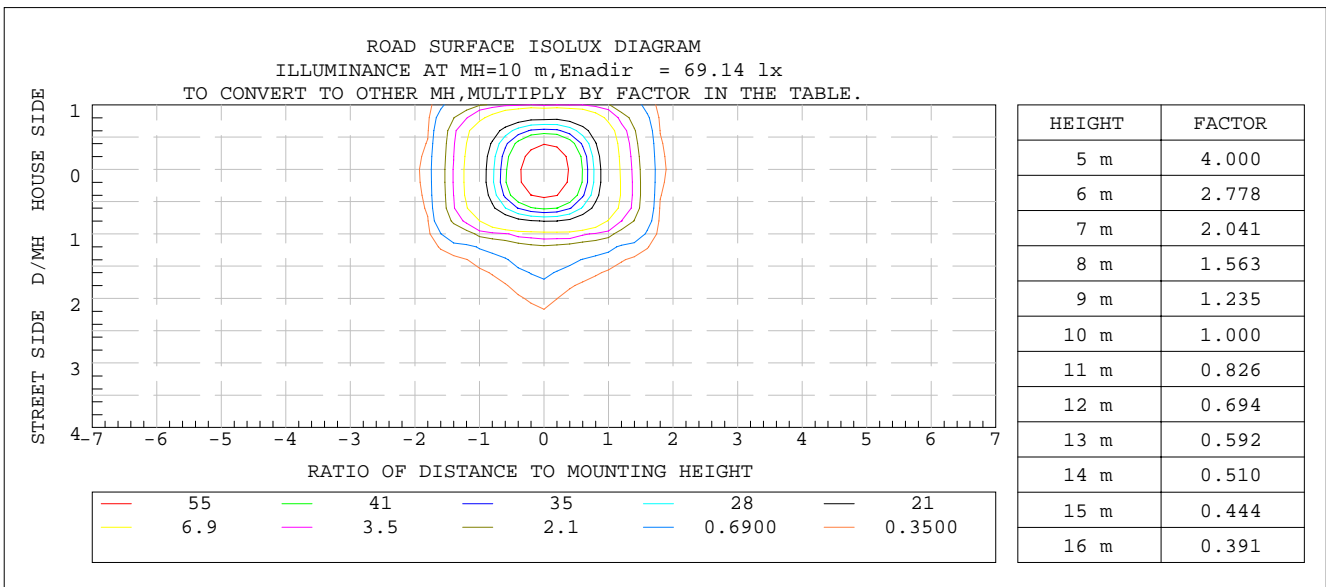
IES:Type I - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:15.30cd/klm
 Max.At90:0.7688cd/klm
 Max.80-90:15.30cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7300
90%	6570
80%	5840
70%	5110
60%	4380
50%	3650
40%	2920
30%	2190
20%	1460
10%	730
5%	365

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Grace
 Test Date:2015-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.253
 Humidity:55.0%
 Test Distance:10.200m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Grace
 Test Date: 2015-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V1.0.253
 Humidity: 55.0%
 Test Distance: 10.200m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.2V I:0.5400A P:116.9W PF:0.9820 Lamp Flux:13938x1 lm		
NAME: LED Tunnel Light	TYPE:Cool White	WEIGHT:6.2Kg
DIMENSION: 417*307*217mm	SPECIFICATION:	SERIAL No.:
MANUFACTURER: SPARK	SURFACE:	PROTECTION ANGLE:

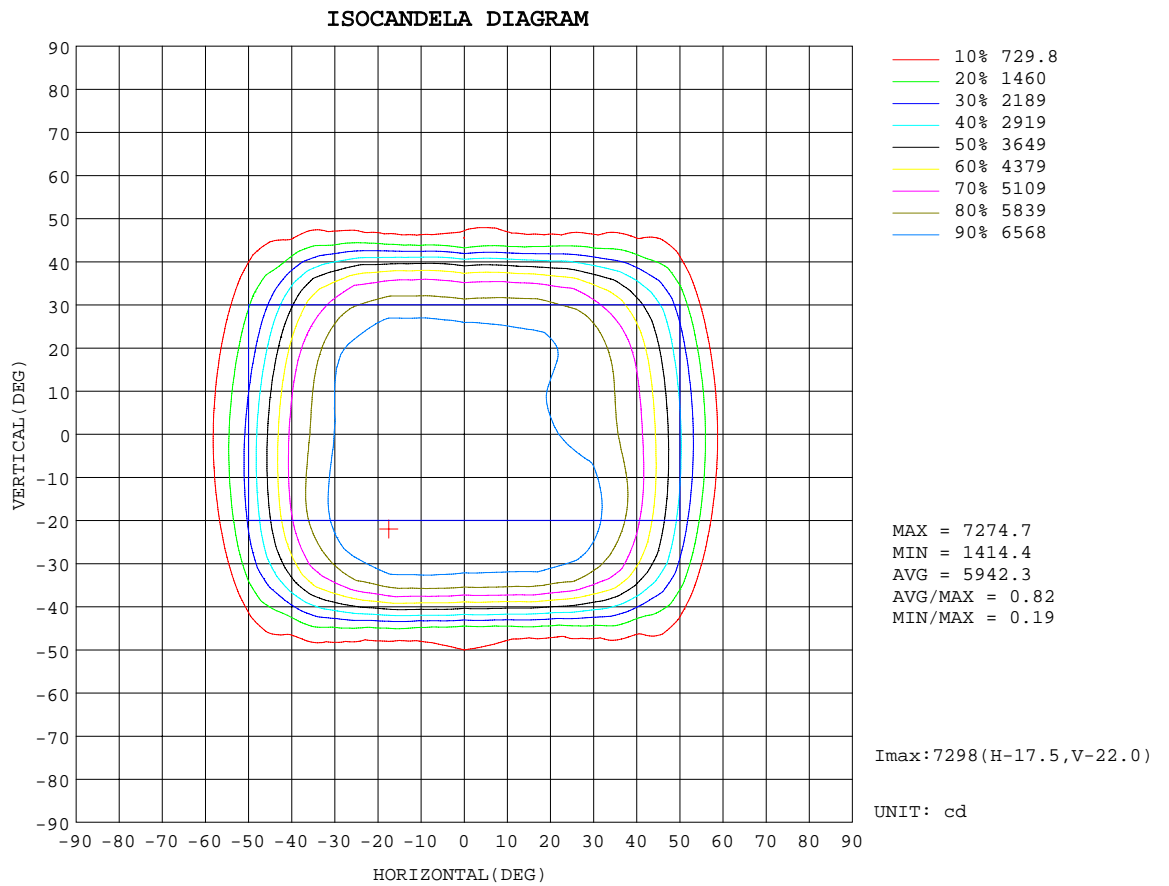
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
5	6868	6933	6976	6932	6880	6873	6888	6849	0- 5	165.0	165.0	1.18
10	6823	6957	7025	6963	6846	6865	6838	6767	5- 10	493.0	658.0	4.72
15	6719	7006	7092	7027	6807	6909	6832	6675	10- 15	816.5	1474	10.58
20	6615	7082	7197	7116	6769	6964	6834	6637	15- 20	1136	2610	18.73
25	6492	7206	7191	7238	6680	6997	6635	6630	20- 25	1448	4058	29.12
30	6369	7188	6824	7203	6591	6800	6058	6551	25- 30	1725	5783	41.49
35	5898	6897	5971	6845	5940	6307	5144	6201	30- 35	1909	7692	55.19
40	5427	6332	3841	6190	5289	5576	3189	5526	35- 40	1910	9602	68.89
45	4207	4996	1283	4903	3825	4402	774.5	4222	40- 45	1616	11218	80.48
50	2987	3035	730.4	3036	2361	2664	656.6	2365	45- 50	1114	12331	88.47
55	1694	1212	585.8	1282	1366	1074	548.4	950.3	50- 55	692.3	13024	93.44
60	401.2	400.1	517.5	433.2	370.4	382.5	491.7	382.9	55- 60	372.5	13396	96.11
65	308.9	281.8	475.0	293.3	292.0	264.9	459.3	266.7	60- 65	180.5	13577	97.41
70	216.6	215.4	325.7	216.3	213.6	197.8	291.7	196.0	65- 70	131.4	13708	98.35
75	163.5	160.2	259.5	166.2	168.9	151.7	222.1	142.6	70- 75	99.66	13808	99.07
80	110.4	105.3	213.3	113.0	124.2	99.90	165.8	89.53	75- 80	73.19	13881	99.59
85	56.18	51.97	82.14	57.31	67.36	48.72	47.29	41.30	80- 85	43.95	13925	99.91
90	1.986	1.849	2.125	0.6314	10.49	0.4181	0.3872	1.237	85- 90	13.06	13938	100.00
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:25.3DEG
 Operators:Grace
 Test Date:2015-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.253
 Humidity:55.0%
 Test Distance:10.200m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.2V I:0.5400A P:116.9W PF:0.9820 Lamp Flux:13938x1 lm		
NAME: LED Tunnel Light	TYPE:Cool White	WEIGHT:6.2Kg
DIMENSION: 417*307*217mm	SPECIFICATION:	SERIAL No.:
MANUFACTURER: SPARK	SURFACE:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Grace
 Test Date: 2015-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V1.0.253
 Humidity: 55.0%
 Test Distance: 10.200m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.5400A P:116.9W PF:0.9820 Lamp Flux:13938x1 lm		
NAME: LED Tunnel Light	TYPE:Cool White	WEIGHT:6.2Kg
DIMENSION: 417*307*217mm	SPECIFICATION:	SERIAL No.:
MANUFACTURER: SPARK	SURFACE:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914
5	6868	6875	6882	6890	6897	6904	6912	6919	6926	6933	6939	6945	6951	6956	6961	6965	6969	6972	6976
10	6823	6837	6853	6869	6888	6904	6919	6932	6945	6957	6969	6979	6989	6998	7006	7012	7017	7021	7025
15	6719	6745	6774	6808	6844	6878	6912	6945	6977	7006	7029	7045	7058	7069	7078	7084	7089	7090	7092
20	6615	6652	6699	6758	6819	6880	6939	6993	7040	7082	7114	7138	7157	7174	7186	7194	7197	7197	7197
25	6492	6544	6616	6704	6798	6894	6983	7074	7156	7206	7231	7240	7238	7228	7215	7204	7196	7193	7191
30	6369	6429	6538	6659	6787	6904	7007	7089	7149	7188	7215	7177	7105	7021	6946	6888	6850	6836	6824
35	5898	5981	6112	6275	6458	6650	6835	6979	6958	6897	6830	6744	6654	6494	6337	6209	6088	6027	5971
40	5427	5496	5635	5783	5927	6062	6185	6274	6327	6332	6186	5835	5492	5126	4646	4269	4048	3942	3841
45	4207	4296	4457	4669	4909	5151	5345	5490	5346	4996	4515	3899	3178	2606	2101	1680	1417	1353	1283
50	2987	3050	3190	3399	3652	3914	4021	3975	3638	3035	2217	1501	889	742	633	641	688	710	730
55	1694	1742	1853	2037	2288	2554	2505	2099	1638	1212	686	496	441	421	447	497	534	560	586
60	401	455	501	636	836	1063	1132	946	574	400	357	336	324	328	347	391	435	477	517
65	309	307	307	313	322	327	321	306	300	282	266	262	262	268	286	319	376	426	475
70	217	215	216	219	226	234	240	232	218	215	211	210	211	215	228	246	276	301	326
75	164	163	165	166	168	171	174	169	162	160	159	157	160	158	158	155	171	215	259
80	110	112	117	120	120	121	118	110	107	105	103	99.2	99.6	96.2	95.6	91.5	108	161	213
85	56.2	57.8	60.2	61.7	62.0	62.6	59.6	54.8	54.4	52.0	48.8	43.8	41.4	38.9	35.8	35.1	40.7	61.4	82.1
90	1.99	3.35	3.21	2.86	2.43	2.06	1.87	1.87	1.86	1.85	1.78	1.74	1.77	1.86	1.91	1.96	1.90	2.01	2.13

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Grace
 Test Date:2015-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.253
 Humidity:55.0%
 Test Distance:10.200m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:0.5400A P:116.9W PF:0.9820 Lamp Flux:13938x1 lm		
NAME: LED Tunnel Light	TYPE:Cool White	WEIGHT:6.2Kg
DIMENSION: 417*307*217mm	SPECIFICATION:	SERIAL No.:
MANUFACTURER: SPARK	SURFACE:	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	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914	6914				
5	6871	6866	6862	6858	6855	6852	6849	6847	6846	6846	6847	6849	6852	6857	6862				
10	6802	6792	6783	6777	6772	6769	6767	6767	6769	6771	6775	6779	6785	6794	6807				
15	6770	6750	6731	6712	6696	6682	6675	6671	6669	6670	6671	6673	6678	6686	6699				
20	6759	6733	6706	6682	6666	6652	6637	6622	6608	6595	6583	6575	6573	6578	6591				
25	6639	6647	6656	6662	6661	6651	6630	6603	6576	6550	6520	6491	6470	6461	6467				
30	6218	6296	6363	6436	6510	6552	6551	6545	6525	6506	6474	6427	6382	6351	6335				
35	5419	5526	5687	5865	5984	6093	6201	6317	6384	6291	6177	6061	5964	5899	5874				
40	3704	3952	4351	4705	5041	5355	5526	5588	5620	5599	5557	5508	5448	5399	5377				
45	1263	1535	2031	2591	3273	3786	4222	4546	4721	4730	4663	4530	4379	4260	4198				
50	635	598	617	771	1248	1738	2365	3011	3370	3530	3521	3360	3183	3050	2983				
55	513	454	410	418	455	589	950	1345	1763	2203	2282	2091	1893	1761	1698				
60	407	353	321	310	322	341	383	508	791	983	933	743	572	464	439				
65	333	282	253	246	249	252	267	278	273	279	282	281	281	288	299				
70	237	212	194	189	190	189	196	202	209	218	215	210	210	212	214				
75	148	140	135	135	136	138	143	145	151	161	160	159	160	161	162				
80	90.2	75.0	76.4	77.8	81.6	84.7	89.5	92.7	95.8	103	110	111	113	113	111				
85	26.2	23.1	23.1	26.7	30.4	36.5	41.3	45.0	47.0	50.8	55.8	56.9	57.6	57.4	56.8				
90	1.41	1.38	1.37	1.23	1.13	1.13	1.24	1.37	1.37	1.41	1.50	1.54	1.70	1.94	2.64				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Grace
 Test Date:2015-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.253
 Humidity:55.0%
 Test Distance:10.200m [K=1.0000]
 Remarks: