



Light Output Ratio:	100.0%	
Luminaire Power:	120.9 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.85	fine grid method.

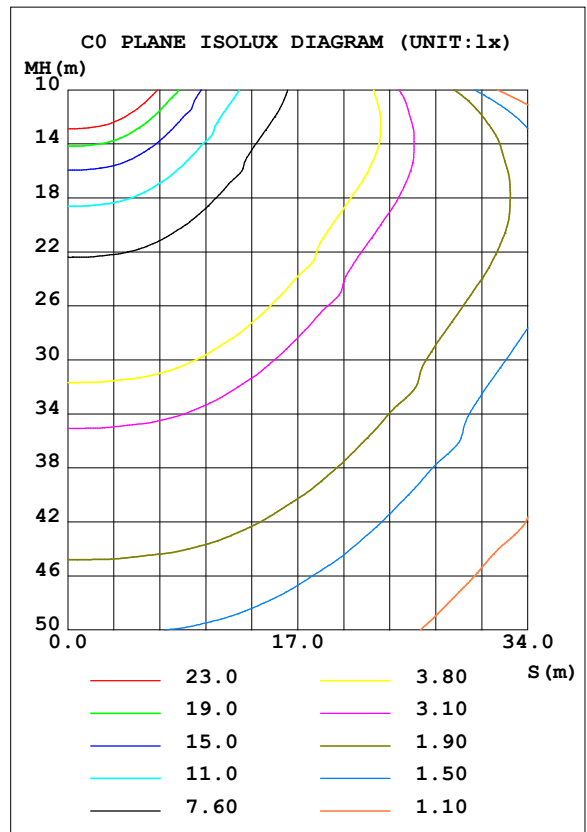
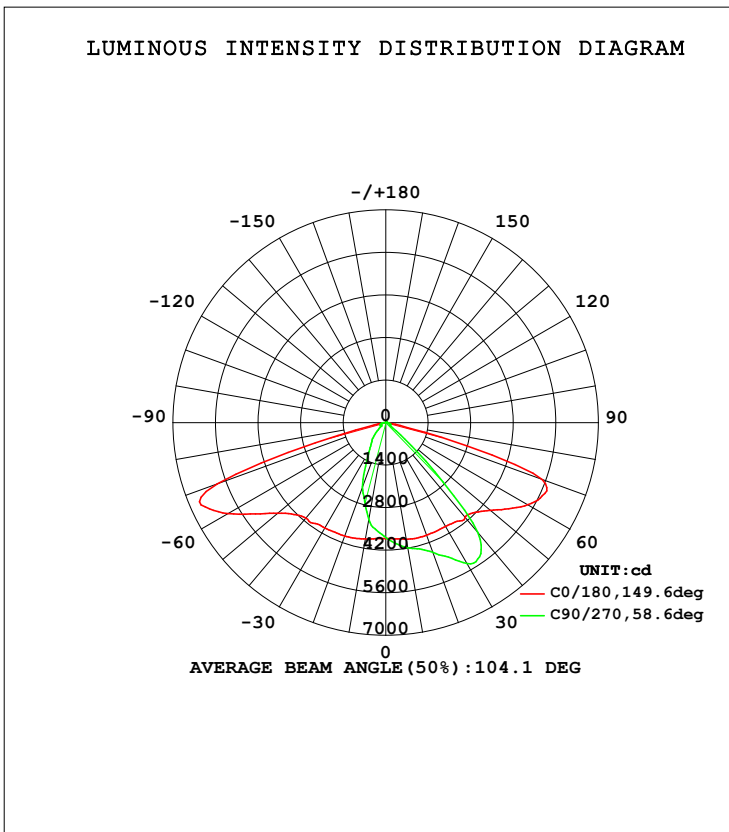
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZZJ
 Test Date: 2014-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.610m [K=1.0644]
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.7V I:0.5702A P:120.9W PF:0.9652 Lamp Flux:12751.6x1 lm		
NAME: LED Street Light	TYPE:LED	WEIGHT:8.4Kg
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 657*300*107mm	SERIAL No.:1
MFR.: AOK	SUR.:241mm*230mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.45 lm/W			
MODEL	AOK-120WiL	I _{max} (cd)	8152	S/MH (C0/180)	1.63
NOMINAL POWER (W)	120	LOR (%)	100.0	S/MH (C90/270)	0.72
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	12752	η UP, DN (C0-180)	0.1, 64.7
NOMINAL FLUX (lm)	12751.6	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.2, 35.0
LAMPS INSIDE	1	η up (%)	0.3	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220	η down (%)	99.7	CIBSE SHR MAX	0.85



C Range: 0 - 360DEG
 C Interval: 15.0DEG
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 Operators: ZZJ
 Test Date: 2014-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.610m [K=1.0644]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3894	4107	4188	4108	3888	3545	3235	3507	0- 10	362.7	362.7	2.84,2.84
20	3941	4346	4546	4326	3968	2989	2250	3031	10- 20	1059	1422	11.2,11.2
30	3946	4727	5355	4721	4006	2251	1103	2417	20- 30	1679	3101	24.3,24.3
40	4065	6128	4713	6231	4104	1046	664.6	1355	30- 40	2279	5380	42.2,42.2
50	4493	6963	637.4	7121	4637	388.3	259.3	585.0	40- 50	2528	7908	62,62
60	5407	755.1	162.0	1123	5993	172.6	202.3	214.3	50- 60	2278	10186	79.9,79.9
70	5485	139.7	136.3	134.5	5893	133.1	190.1	142.5	60- 70	1881	12067	94.6,94.6
80	207.5	93.49	73.70	75.04	133.7	89.58	131.0	99.46	70- 80	597.5	12664	99.3,99.3
90	2.080	0.9100	0.3070	0.5312	0.9055	0.3609	1.625	1.947	80- 90	53.43	12718	99.7,99.7
100	5.455	0.3111	0.3886	0.5099	4.740	0.4919	0.2940	0.3883	90-100	1.042	12719	99.7,99.7
110	9.888	0.4970	0.7713	0.9250	9.292	3.391	0.5433	2.735	100-110	2.632	12721	99.8,99.8
120	12.37	1.150	0.7082	2.152	11.78	8.622	1.307	7.474	110-120	4.569	12726	99.8,99.8
130	11.69	2.628	2.547	3.928	11.58	10.83	6.522	10.98	120-130	5.876	12732	99.8,99.8
140	10.47	4.529	2.845	5.392	10.52	11.25	10.35	12.40	130-140	6.153	12738	99.9,99.9
150	9.932	6.196	4.210	6.507	9.940	12.19	11.25	12.12	140-150	5.466	12744	99.9,99.9
160	9.815	7.639	6.603	7.851	9.806	11.32	11.88	11.41	150-160	4.301	12748	100,100
170	9.983	9.116	8.936	9.553	9.953	10.77	11.31	11.10	160-170	2.776	12751	100,100
180	10.13	10.28	10.43	10.51	10.13	10.28	10.44	10.52	170-180	0.9785	12752	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

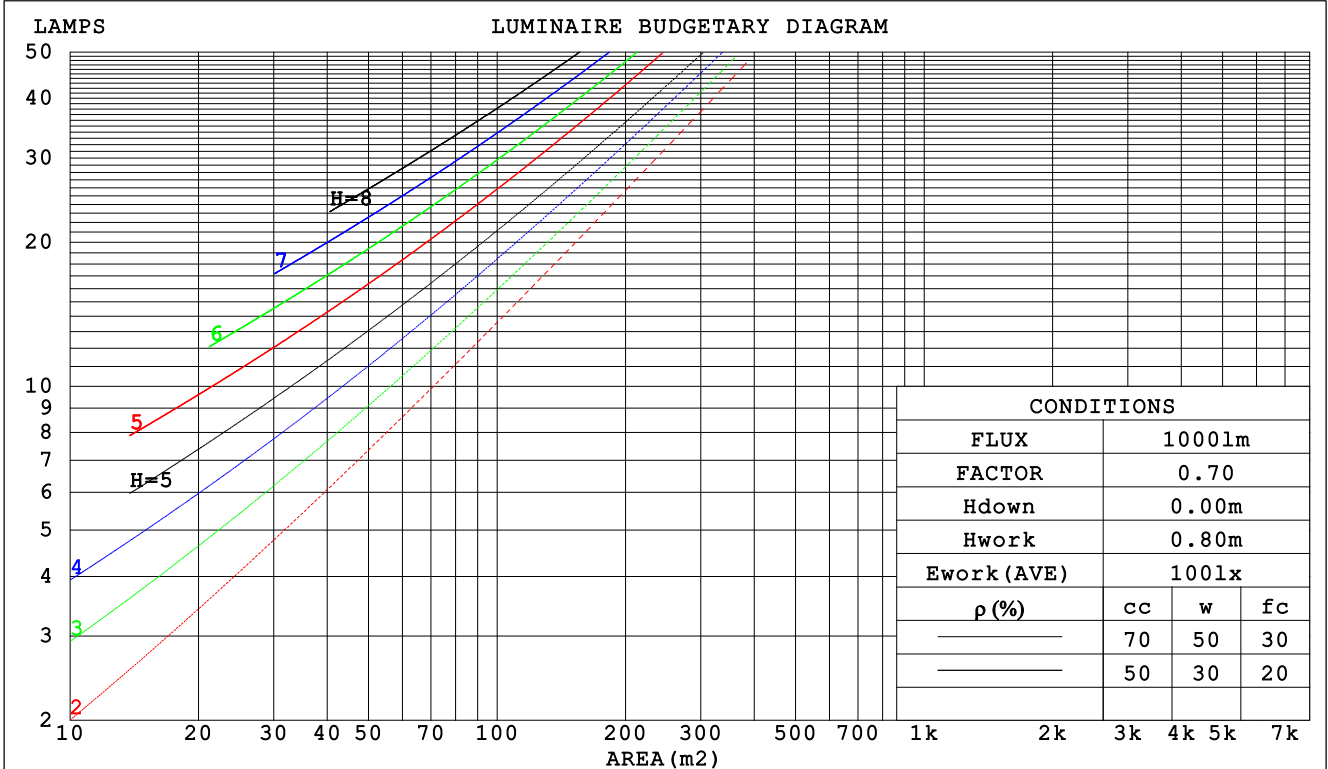
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.610m [K=1.0644]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:219.7V I:0.5702A P:120.9W PF:0.9652 Lamp Flux:12751.6x1 lm		
NAME: LED Street Light	TYPE:LED	WEIGHT:8.4Kg
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 657*300*107mm	SERIAL No.:1
MFR.: AOK	SUR.:241mm*230mm	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.94	.92	.89	.91	.89	.87	.85
2.0	.91	.84	.79	.89	.83	.78	.86	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.71	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.50	.44	.39	.37
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.35	.30	.41	.35	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.33	.27	.39	.32	.27	.38	.32	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.24	.23



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.610m [K=1.0644]
 Remarks:

WEC AND CCEC

Test:U:219.7V I:0.5702A P:120.9W PF:0.9652 Lamp Flux:12751.6x1 lm		
NAME: LED Street Light	TYPE:LED	WEIGHT:8.4Kg
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 657*300*107mm	SERIAL No.:1
MFR.: AOK	SUR.:241mm*230mm	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.293	.167	.053	.286	.163	.052	.273	.156	.050	.260	.150	.048	.249	.144	.047	
2.0	.285	.156	.048	.279	.154	.047	.267	.148	.046	.256	.144	.045	.246	.139	.044	
3.0	.268	.143	.043	.262	.141	.042	.252	.137	.041	.242	.133	.041	.233	.129	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.212	.112	.033	.204	.109	.033	
6.0	.216	.108	.031	.212	.107	.031	.204	.105	.030	.198	.103	.030	.191	.101	.030	
7.0	.201	.099	.028	.198	.098	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027	
8.0	.188	.092	.026	.185	.091	.026	.179	.089	.026	.173	.088	.025	.168	.086	.025	
9.0	.176	.085	.024	.174	.085	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.166	.079	.022	.163	.079	.022	.158	.078	.022	.154	.076	.022	.150	.075	.022	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.192	.192	.192	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.181	.158	.138	.155	.136	.119	.106	.093	.082	.061	.054	.048	.020	.017	.015	
2.0	.173	.134	.101	.149	.115	.087	.102	.080	.061	.059	.046	.036	.019	.015	.012	
3.0	.166	.116	.077	.142	.100	.066	.098	.070	.047	.056	.041	.027	.018	.013	.009	
4.0	.159	.103	.060	.136	.089	.052	.094	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.152	.093	.049	.131	.080	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.145	.084	.041	.125	.073	.036	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.078	.035	.119	.067	.030	.082	.047	.022	.048	.028	.013	.015	.009	.004	
8.0	.132	.072	.030	.114	.062	.027	.079	.044	.019	.046	.026	.011	.015	.008	.004	
9.0	.126	.067	.027	.109	.058	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.120	.063	.024	.104	.054	.021	.072	.038	.015	.042	.023	.009	.014	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.610m [K=1.0644]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:219.7V I:0.5702A P:120.9W PF:0.9652 Lamp Flux:12751.6x1 lm		
NAME: LED Street Light	TYPE:LED	WEIGHT:8.4Kg
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 657*300*107mm	SERIAL No.:1
MFR.: AOK	SUR.:241mm*230mm	PROTECTION ANGLE:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	33.1	34.6	33.3	34.8	35.0	24.5	26.1	24.8	26.3	26.5
3H	35.5	37.0	35.8	37.2	37.4	24.4	25.8	24.7	26.0	26.3
4H	35.8	37.1	36.1	37.4	37.6	24.3	25.6	24.6	25.9	26.1
6H	35.7	36.9	36.0	37.2	37.5	24.2	25.5	24.5	25.7	26.0
8H	35.6	36.8	36.0	37.1	37.4	24.2	25.4	24.5	25.7	26.0
12H	35.6	36.7	35.9	37.0	37.4	24.1	25.3	24.5	25.6	25.9
4H 2H	33.0	34.3	33.3	34.6	34.9	26.6	28.0	26.9	28.2	28.5
3H	35.4	36.6	35.8	36.9	37.2	26.4	27.6	26.8	27.9	28.2
4H	35.7	36.7	36.0	37.0	37.4	26.4	27.4	26.8	27.8	28.1
6H	35.6	36.5	36.0	36.9	37.2	26.3	27.3	26.7	27.6	28.0
8H	35.5	36.4	36.0	36.8	37.2	26.3	27.2	26.7	27.5	27.9
12H	35.5	36.3	35.9	36.7	37.1	26.3	27.1	26.7	27.4	27.9
8H 4H	35.5	36.4	35.9	36.8	37.1	26.5	27.4	26.9	27.7	28.1
6H	35.5	36.2	35.9	36.6	37.0	26.5	27.2	26.9	27.6	28.0
8H	35.4	36.1	35.9	36.5	36.9	26.5	27.1	26.9	27.5	28.0
12H	35.4	35.9	35.9	36.4	36.9	26.4	27.0	26.9	27.4	27.9
12H 4H	35.5	36.3	35.9	36.7	37.1	26.5	27.3	26.9	27.6	28.1
6H	35.4	36.0	35.9	36.5	36.9	26.4	27.1	26.9	27.5	28.0
8H	35.4	35.9	35.9	36.4	36.9	26.4	27.0	26.9	27.4	27.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.6					+ 2.4 / - 9.5				
1.5H	+ 1.4 / - 1.2					+ 1.9 / - 7.0				
2.0H	+ 2.1 / - 2.4					+ 4.5 / - 9.3				

CIE Pub.117 Corrected 12752 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.8)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.610m [K=1.0644]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:219.7V I:0.5702A P:120.9W PF:0.9652 Lamp Flux:12751.6x1 lm		
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MFR.: AOK	SUR.:241mm*230mm	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	64	56	74	63	56	72	65	56	48
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	92	86	97	90	85	93	87	83	75
3.00	103	96	91	101	94	90	96	92	87	79
4.00	107	101	97	104	100	95	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

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γ Range: 0 - 180DEG
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 Humidity:65.0%
 Test Distance:7.610m [K=1.0644]
 Remarks:

ISOCANDELA DIAGRAM

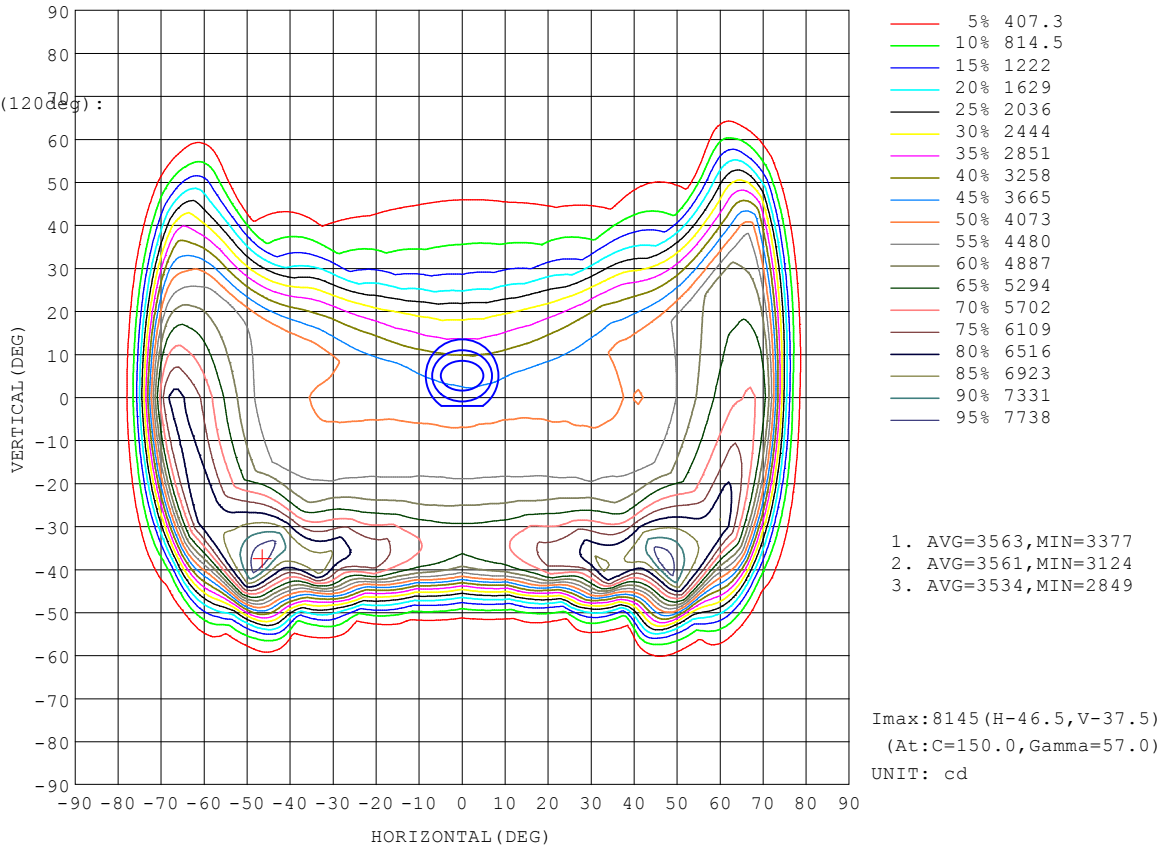
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MFR.: AOK	SUR.:241mm*230mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

6666.2 lm
%lum = 52.3%
%lamp = 52.3%

Conical surface Flux(120deg):

10186 lm
%lum = 79.9%
%lamp = 79.9%



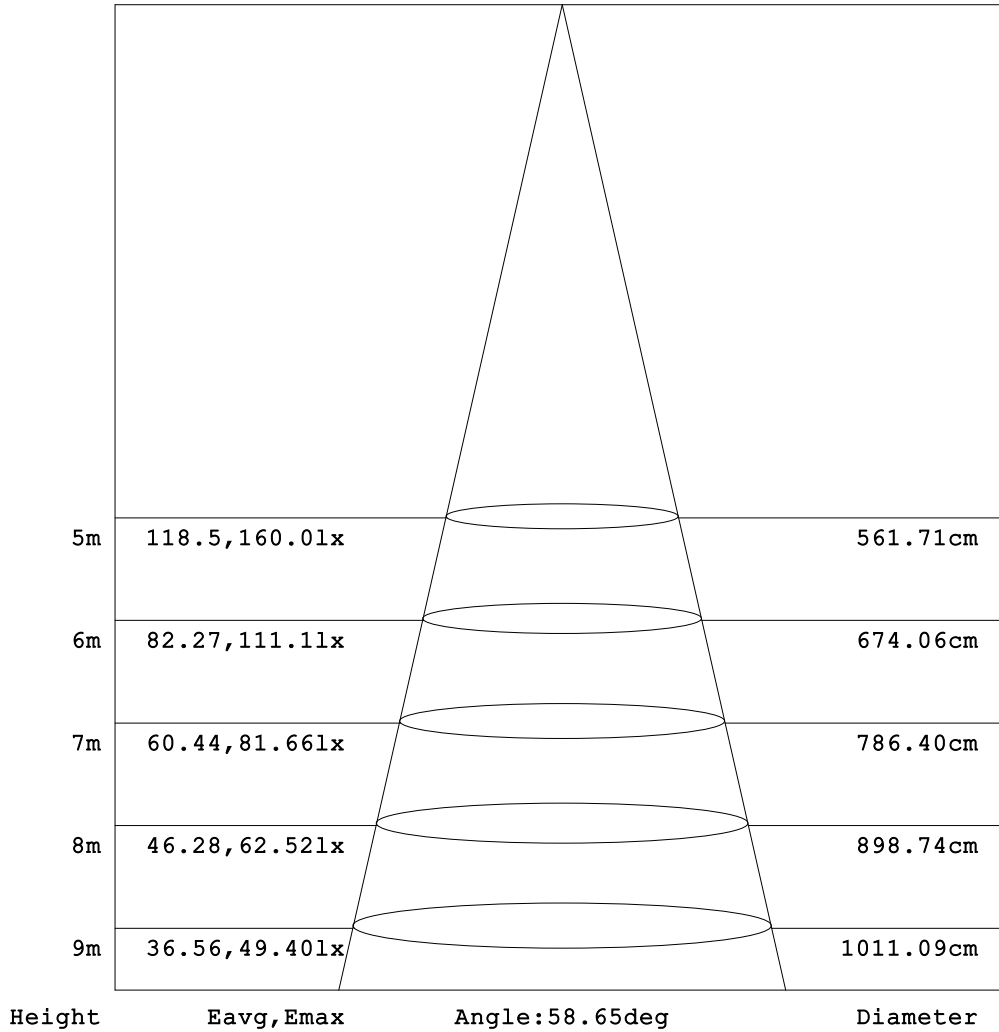
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Remarks:

AAI Figure

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NAME: LED Street Light	TYPE:LED	WEIGHT:8.4Kg
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 657*300*107mm	SERIAL No.:1
MFR.: AOK	SUR.:241mm*230mm	PROTECTION ANGLE:

Flux out:3101 lm



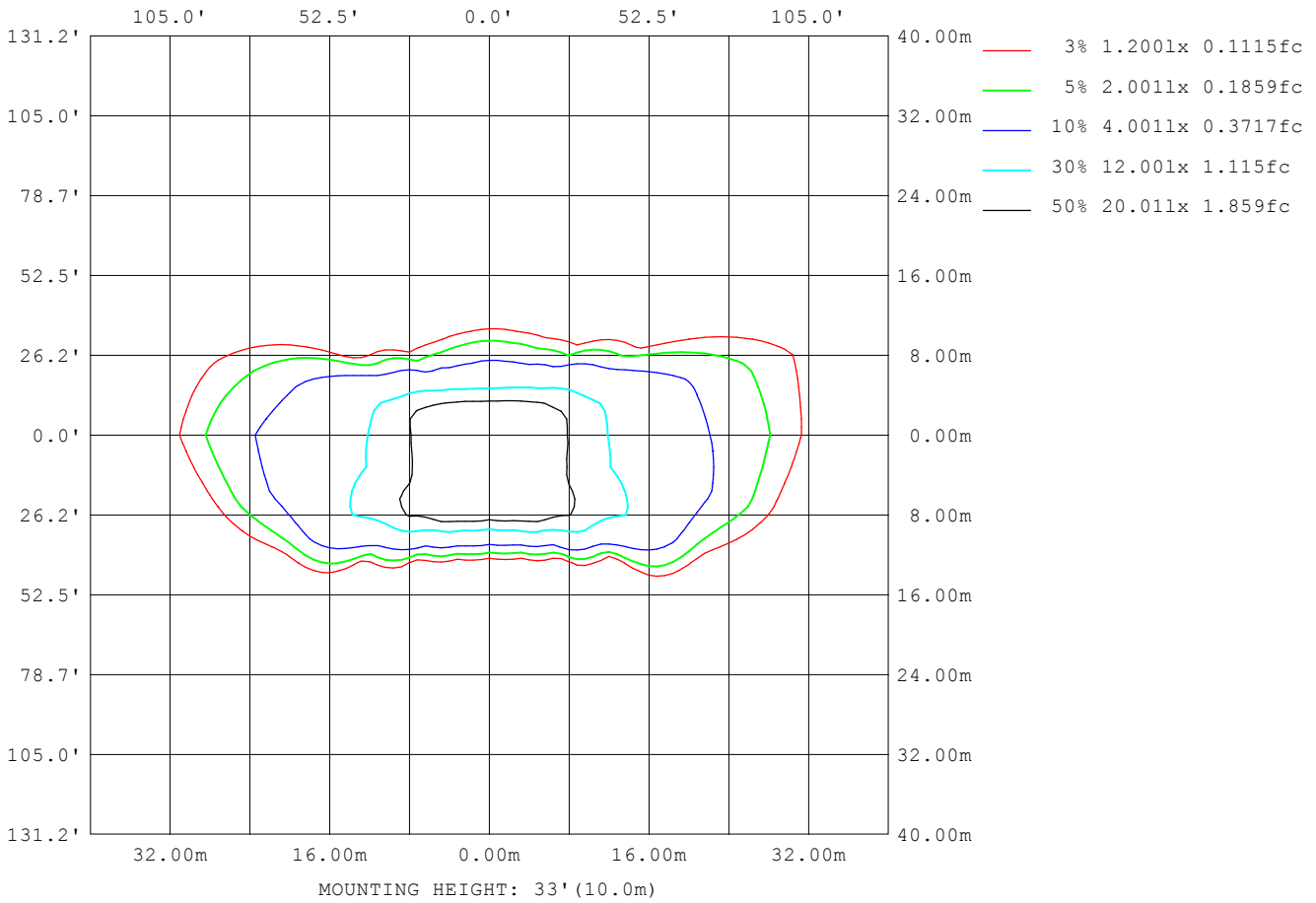
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 Test Speed: HIGH
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γ Range: 0 - 180DEG
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 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
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 Remarks:

ISOLUX DIAGRAM

Test:U:219.7V I:0.5702A P:120.9W PF:0.9652 Lamp Flux:12751.6x1 lm		
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SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 657*300*107mm	SERIAL No.:1
MFR.: AOK	SUR.:241mm*230mm	PROTECTION ANGLE:



C Range: 0 - 360DEG
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 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.610m [K=1.0644]
 Remarks:

LED Avg.L Report

Test:U:219.7V I:0.5702A P:120.9W PF:0.9652 Lamp Flux:12751.6x1 lm		
NAME: LED Street Light	TYPE:LED	WEIGHT:8.4Kg
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 657*300*107mm	SERIAL No.:1
MFR.: AOK	SUR.:241mm*230mm	PROTECTION ANGLE:

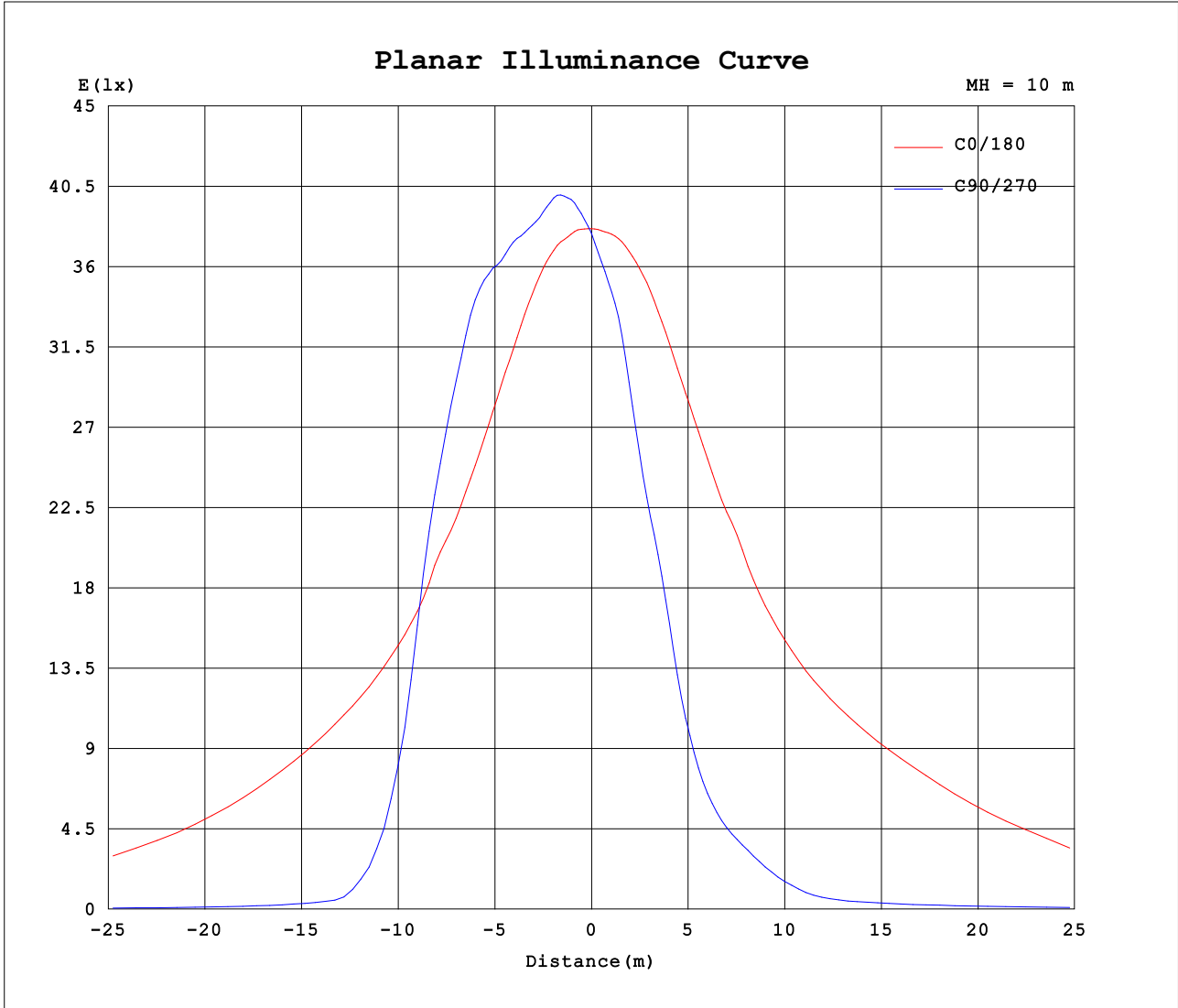
AvgL	cd/m2
L_0~180 (65) av	144771
L_0~180 (75) av	68310
L_0~180 (85) av	3222
L_90~270 (65) av	4129
L_90~270 (75) av	5301
L_90~270 (85) av	6192
L_45 (65) av	4972
L_45 (75) av	4475
L_45 (85) av	4101

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.610m [K=1.0644]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: ZZJ
 Test Date: 2014-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.610m [K=1.0644]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.7V I:0.5702A P:120.9W PF:0.9652 Lamp Flux:12751.6x1 lm		
NAME: LED Street Light	TYPE:LED	WEIGHT:8.4Kg
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 657*300*107mm	SERIAL No.:1
MFR.: AOK	SUR.:241mm*230mm	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3813	3809	3807	3801	3799	3788	3787	3776	3775	3769	3771	3770	3813	3809	3807	3801	3799	3788	3787
5	3840	3885	3929	3961	3987	3997	4004	3984	3963	3932	3897	3846	3833	3766	3699	3645	3603	3566	3557
10	3894	3980	4058	4107	4169	4178	4188	4172	4161	4108	4036	3951	3888	3769	3657	3545	3416	3280	3235
15	3936	4053	4154	4250	4275	4305	4300	4306	4304	4242	4134	4030	3941	3795	3643	3314	2975	2739	2691
20	3941	4077	4225	4346	4447	4518	4546	4521	4451	4326	4234	4075	3968	3841	3577	2989	2565	2306	2250
25	3946	4102	4260	4481	4695	4850	4882	4825	4675	4465	4287	4096	3979	3927	3447	2673	2088	1663	1590
30	3946	4105	4320	4727	5188	5342	5355	5355	5200	4721	4330	4107	4006	4091	3281	2251	1446	1134	1103
35	3985	4162	4457	5237	5905	5602	5388	5671	5951	5264	4474	4158	4052	4261	3121	1629	963	825	834
40	4065	4209	4692	6128	6233	5252	4713	5365	6295	6231	4667	4182	4104	4316	2818	1046	694	648	665
45	4180	4366	5241	6785	5770	3056	2282	3127	5753	6893	5377	4389	4276	4351	2252	652	463	433	446
50	4493	4782	6718	6963	2519	875	637	993	2644	7121	7059	4860	4637	4404	1506	388	277	247	259
55	4942	5418	7880	4235	459	225	205	222	567	4007	8057	5585	5236	4461	823	226	199	203	210
60	5407	6185	7866	755	199	174	162	170	196	1123	7744	6469	5993	4464	398	173	179	195	202
65	5685	6782	5308	239	155	155	148	150	146	284	4195	6600	6551	4167	192	150	168	188	200
70	5485	4590	850	140	138	151	136	141	127	134	541	3570	5893	3393	133	133	152	174	190
75	1908	621	164	118	119	134	115	122	106	106	135	372	1628	1346	107	116	135	154	160
80	207	136	97.2	93.5	89.6	92.5	73.7	84.8	76.4	75.0	88.0	79.5	134	156	80.6	89.6	107	116	131
85	35.2	54.2	72.1	40.0	36.3	42.0	40.3	33.7	23.7	23.2	41.0	36.6	21.0	58.8	35.3	29.5	33.8	53.2	67.7
90	2.08	4.15	1.95	0.91	0.45	0.31	0.31	1.68	0.45	0.53	0.63	1.57	0.91	0.53	0.40	0.36	0.30	0.28	1.63
95	3.16	2.06	0.44	0.25	0.27	0.28	0.33	0.37	0.43	0.49	1.12	2.95	2.49	1.60	0.74	0.36	0.30	0.24	0.21
100	5.45	3.53	0.84	0.31	0.34	0.36	0.39	0.41	0.44	0.51	2.03	4.75	4.74	3.76	2.10	0.49	0.35	0.31	0.29
105	7.90	5.10	1.51	0.38	0.40	0.43	0.47	0.46	0.48	0.64	3.23	6.54	7.16	6.54	4.48	1.39	0.42	0.38	0.38
110	9.89	6.49	2.36	0.50	0.47	0.49	0.77	0.51	0.53	0.93	4.48	8.13	9.29	9.09	7.18	3.39	0.73	0.46	0.54
115	11.6	7.87	3.27	0.73	0.55	0.57	1.11	0.59	0.67	1.43	5.49	9.39	11.1	11.3	9.47	6.01	1.87	0.79	1.67
120	12.4	8.88	4.13	1.15	0.70	0.68	0.71	0.73	0.92	2.15	6.09	9.67	11.8	12.6	11.0	8.62	4.04	1.79	1.31
125	12.4	9.23	4.94	1.79	0.98	0.90	1.23	0.99	1.33	3.03	6.48	9.51	11.9	13.1	11.5	10.3	6.62	3.81	2.86
130	11.7	9.10	5.69	2.63	1.42	1.24	2.55	1.37	1.93	3.93	6.71	9.29	11.6	13.2	11.8	10.8	8.89	6.38	6.52
135	11.0	8.94	6.33	3.58	2.10	1.66	2.44	1.86	2.75	4.74	6.87	9.13	11.0	12.6	12.4	10.8	10.1	8.61	8.83
140	10.5	8.83	6.85	4.53	2.96	2.34	2.84	2.63	3.66	5.39	7.06	9.06	10.5	11.8	12.7	11.2	10.4	10.1	10.3
145	10.1	8.80	7.27	5.41	3.94	3.20	3.12	3.54	4.62	5.94	7.34	9.07	10.2	11.1	12.3	12.0	10.9	10.6	10.7
150	9.93	8.86	7.64	6.20	4.98	4.29	4.21	4.62	5.52	6.51	7.73	9.13	9.94	10.7	11.7	12.2	11.7	11.2	11.3
155	9.85	9.02	8.03	6.94	6.02	5.48	5.42	5.72	6.34	7.14	8.18	9.25	9.85	10.4	11.1	11.8	12.0	11.8	11.8
160	9.81	9.17	8.41	7.64	7.04	6.67	6.60	6.75	7.22	7.85	8.65	9.38	9.81	10.3	10.8	11.3	11.7	11.9	11.9
165	9.85	9.37	8.85	8.36	8.03	7.85	7.84	7.92	8.24	8.70	9.20	9.63	9.85	10.3	10.6	11.0	11.4	11.6	11.7
170	9.98	9.67	9.37	9.12	9.01	8.96	8.94	8.98	9.26	9.55	9.80	9.96	9.95	10.2	10.5	10.8	11.0	11.2	11.3
175	10.1	9.95	9.84	9.77	9.80	9.81	9.82	9.85	10.0	10.1	10.2	10.2	10.1	10.3	10.4	10.6	10.7	10.9	11.0
180	10.1	10.2	10.2	10.3	10.4	10.4	10.4	10.5	10.5	10.5	10.5	10.4	10.1	10.2	10.2	10.3	10.4	10.4	10.4

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.610m [K=1.0644]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.7V I:0.5702A P:120.9W PF:0.9652 Lamp Flux:12751.6x1 lm		
NAME: LED Street Light	TYPE:LED	WEIGHT:8.4Kg
SPEC.:C470SP-Q2-P-03A 230V50HZ	DIM.: 657*300*107mm	SERIAL No.:1
MFR.: AOK	SUR.:241mm*230mm	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	3776	3775	3769	3771	3770														
5	3554	3581	3619	3674	3732														
10	3255	3373	3507	3625	3740														
15	2753	2981	3302	3596	3766														
20	2338	2615	3031	3534	3786														
25	1736	2181	2760	3459	3818														
30	1204	1609	2417	3379	3906														
35	882	1096	1924	3292	4062														
40	668	786	1355	3150	4184														
45	463	549	920	2824	4275														
50	270	339	585	2257	4441														
55	208	213	345	1579	4667														
60	198	186	214	936	4897														
65	191	175	167	468	4952														
70	175	158	142	204	4690														
75	153	139	123	126	3200														
80	120	116	99.5	97.9	396														
85	61.9	59.4	50.3	58.8	91.0														
90	2.50	2.06	1.95	4.10	2.91														
95	0.21	0.20	0.23	0.47	1.17														
100	0.27	0.26	0.39	1.57	3.14														
105	0.34	0.35	1.08	3.67	5.79														
110	0.43	0.69	2.74	6.26	8.39														
115	0.77	1.68	5.07	8.50	10.7														
120	1.72	3.61	7.47	10.3	12.7														
125	3.60	5.93	9.46	12.0	13.7														
130	5.91	8.13	11.0	13.0	13.5														
135	8.17	9.91	12.1	13.1	12.8														
140	10.0	11.2	12.4	12.8	12.0														
145	11.1	11.8	12.3	12.2	11.4														
150	11.6	12.0	12.1	11.7	10.9														
155	11.9	12.0	11.8	11.2	10.6														
160	11.9	11.7	11.4	10.9	10.5														
165	11.6	11.5	11.2	10.8	10.4														
170	11.3	11.3	11.1	10.8	10.5														
175	11.0	11.0	10.9	10.8	10.5														
180	10.5	10.5	10.5	10.4	10.4														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:ZZJ
 Test Date:2014-12-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.610m [K=1.0644]
 Remarks: