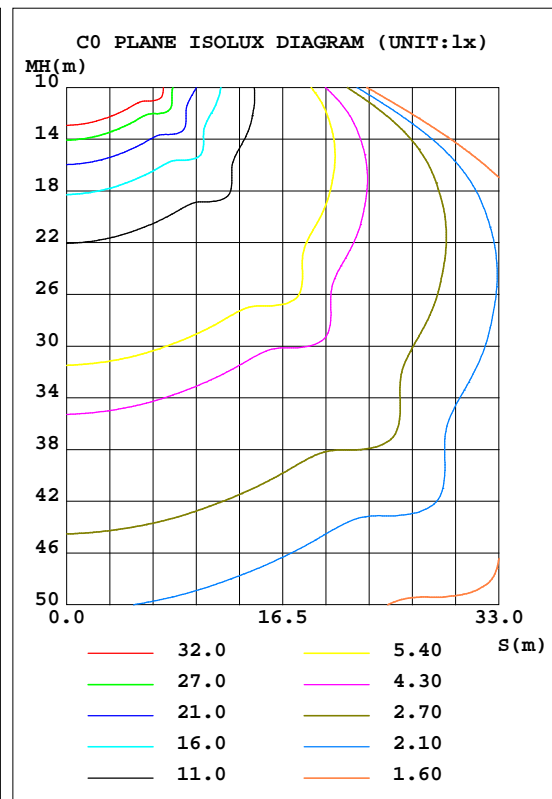
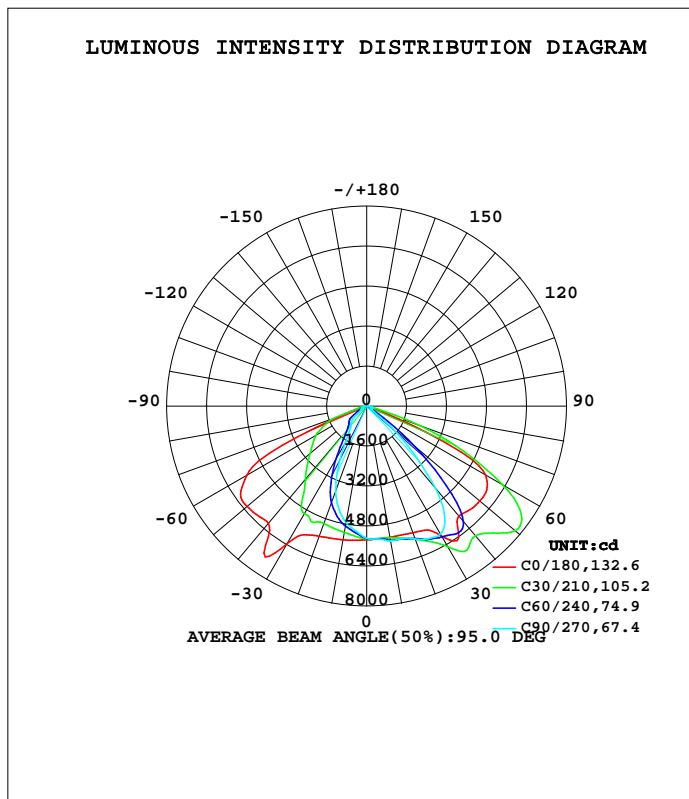


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm		
NAME:LED STREET LIGHT	TYPE:IP66	WEIGHT:
SPEC.:PHILIPS 3030 4000K	DIM.:	SERIAL No.:BLD20181119P02
MFR.: QINHAN LIGHTING	SUR.:0.28*0.08*3	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.84 lm/W			
MODEL	QH-STL-LD90S-100W	Imax(cd)	7935	S/MH(C0/180)	1.71
NOMINAL POWER(W)	100	LOR(%)	100.0	S/MH(C90/270)	0.78
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	15535	η UP, DN(C0-180)	0.3,61.1
NOMINAL FLUX(lm)	15534.6	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.3,38.3
LAMPS INSIDE	1	η up(%)	0.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	99.4	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:HUA
 Test Date:2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:50%
 Test Distance:12.280m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5333	5424	5483	5467	5435	5018	4740	4902	0- 10	499.6	499.6	3.22,3.22
20	5396	5735	5656	5885	5545	4575	3637	4388	10- 20	1456	1956	12.6,12.6
30	6016	6449	5911	6876	6354	3521	1783	3304	20- 30	2323	4279	27.5,27.5
40	5753	6938	4274	7276	6121	1919	985.1	1778	30- 40	3041	7320	47.1,47.1
50	5909	6358	1023	7124	6251	1181	486.2	1090	40- 50	3130	10449	67.3,67.3
60	5485	1913	219.8	2866	5539	1000.0	258.3	896.9	50- 60	2765	13214	85.1,85.1
70	707.6	233.3	189.0	359.3	744.5	597.1	196.4	584.0	60- 70	1766	14981	96.4,96.4
80	108.1	98.95	144.2	103.6	101.3	111.4	117.9	107.5	70- 80	388.9	15370	98.9,98.9
90	34.44	32.01	30.79	32.07	29.99	26.40	24.64	26.79	80- 90	77.71	15447	99.4,99.4
100	22.46	11.56	3.203	11.50	17.06	11.07	2.611	12.17	90-100	19.50	15467	99.6,99.6
110	40.15	11.48	3.399	10.95	31.99	12.59	6.097	13.85	100-110	13.78	15481	99.7,99.7
120	26.23	12.89	7.172	11.73	20.52	13.81	11.28	15.21	110-120	14.39	15495	99.7,99.7
130	22.19	15.53	13.57	13.67	17.96	15.00	19.10	17.59	120-130	13.51	15508	99.8,99.8
140	22.84	18.26	18.81	15.78	19.77	16.75	23.04	20.04	130-140	13.28	15522	99.9,99.9
150	24.28	20.53	19.94	17.75	22.70	20.28	22.67	22.57	140-150	12.30	15534	100,100
160	0	0	0	0	0	0	0	0	150-160	0.5642	15535	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15535	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15535	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 8891.7 lm

%lum = 57.2%
%lamp = 57.2%

Conical surface Flux(120deg): 13214 lm

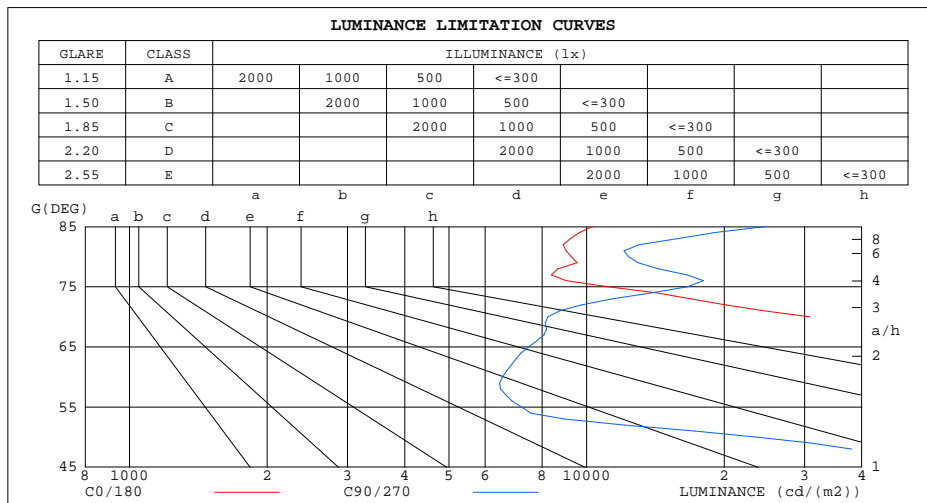
%lum = 85.1%
%lamp = 85.1%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:27DEG
Operators:HUA
Test Date:2018-11-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
Humidity:50%
Test Distance:12.280m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm		
NAME:LED STREET LIGHT	TYPE:IP66	WEIGHT:
SPEC.:PHILIPS 3030 4000K	DIM.:	SERIAL No.:BLD20181119P02
MFR.: QINHAN LIGHTING	SUR.:0.28*0.08*3	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	10296	24615
80	9262	12353
75	11146	16630
70	30787	8224
65	125070	7468
60	163258	6543
55	152087	7216
50	136790	23672
45	123223	54689

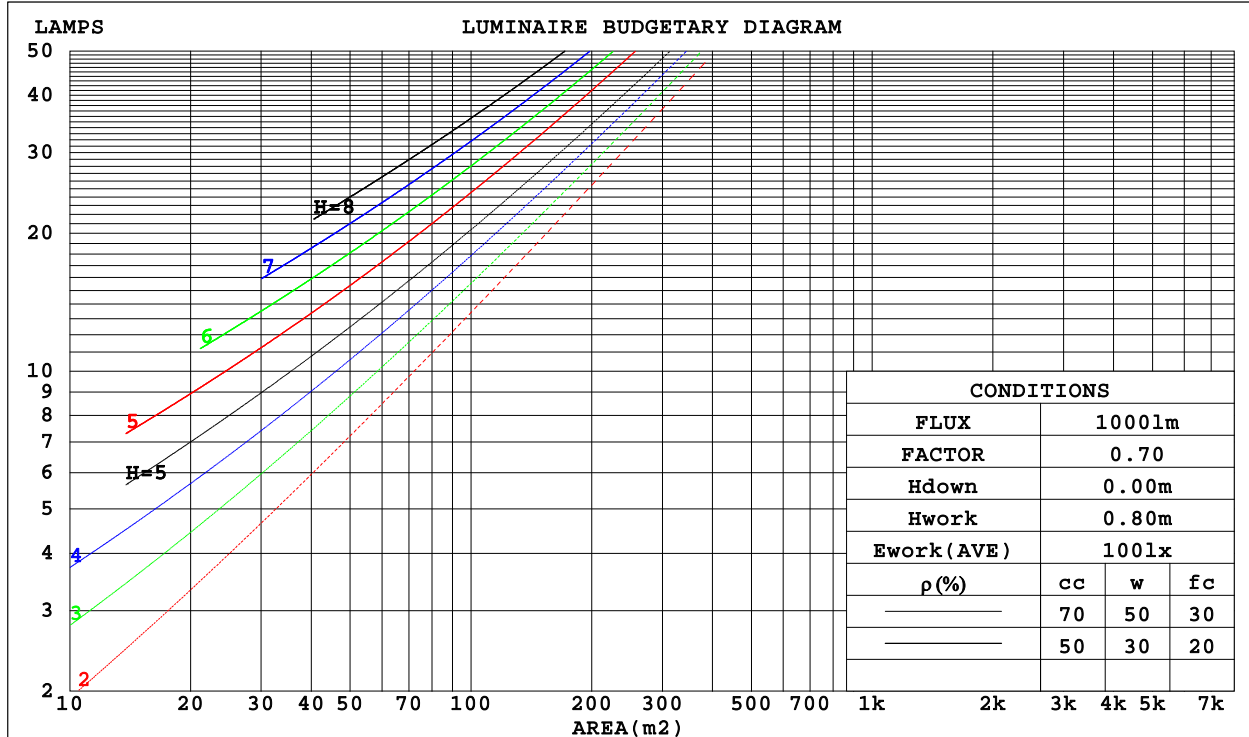
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: HUA
 Test Date: 2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity: 50%
 Test Distance: 12.280m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm		
NAME:LED STREET LIGHT	TYPE:IP66	WEIGHT:
SPEC.:PHILIPS 3030 4000K	DIM.:	SERIAL No.:BLD20181119P02
MFR.: QINHAN LIGHTING	SUR.:0.28*0.08*3	Shielding 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	.99
1.0	1.06	1.02	.98	1.03	.90	.97	.99	.96	.94	.95	.93	.91	.91	.90	.88	.86
2.0	.93	.87	.81	.91	.85	.80	.87	.83	.78	.84	.80	.77	.81	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.69	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.55	.49	.62	.54	.49	.59	.53	.48	.58	.52	.48	.46
6.0	.58	.50	.43	.57	.49	.43	.55	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.38	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.40	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:HUA
 Test Date:2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:50%
 Test Distance:12.280m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm		
NAME:LED STREET LIGHT	TYPE:IP66	WEIGHT:
SPEC.:PHILIPS 3030 4000K	DIM.:	SERIAL No.:BLD20181119P02
MFR.: QINHAN LIGHTING	SUR.:0.28*0.08*3	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.273	.155	.049	.266	.152	.048	.253	.145	.046	.241	.139	.045	.229	.133	.043	
2.0	.267	.146	.045	.261	.144	.044	.249	.138	.043	.238	.133	.042	.228	.129	.041	
3.0	.253	.135	.040	.247	.132	.040	.237	.128	.039	.227	.124	.038	.218	.121	.037	
4.0	.237	.123	.036	.232	.122	.036	.223	.118	.035	.214	.115	.035	.206	.112	.034	
5.0	.222	.113	.033	.217	.112	.033	.209	.109	.032	.202	.106	.032	.194	.104	.031	
6.0	.207	.104	.030	.204	.103	.030	.196	.101	.029	.189	.098	.029	.183	.096	.029	
7.0	.194	.096	.027	.191	.095	.027	.184	.093	.027	.178	.091	.027	.172	.089	.026	
8.0	.182	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.024	.162	.083	.024	
9.0	.171	.083	.023	.169	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023	
10.0	.162	.078	.022	.159	.077	.021	.154	.076	.021	.150	.074	.021	.145	.073	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.195	.195	.195	.166	.166	.166	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.182	.161	.142	.156	.138	.122	.107	.095	.084	.061	.055	.049	.020	.018	.016	
2.0	.173	.136	.105	.148	.117	.091	.102	.081	.064	.059	.047	.037	.019	.015	.012	
3.0	.166	.119	.081	.142	.102	.070	.097	.071	.049	.056	.041	.029	.018	.013	.010	
4.0	.158	.105	.064	.136	.091	.056	.093	.063	.039	.054	.037	.023	.017	.012	.008	
5.0	.151	.095	.053	.130	.082	.046	.090	.057	.032	.052	.034	.019	.017	.011	.006	
6.0	.145	.086	.044	.124	.075	.039	.086	.052	.027	.050	.031	.016	.016	.010	.005	
7.0	.138	.079	.038	.119	.069	.033	.082	.048	.024	.048	.028	.014	.015	.009	.005	
8.0	.132	.074	.034	.114	.064	.029	.079	.045	.021	.046	.026	.012	.015	.009	.004	
9.0	.126	.069	.030	.109	.060	.026	.075	.042	.019	.044	.025	.011	.014	.008	.004	
10.0	.121	.064	.027	.104	.056	.024	.072	.039	.017	.042	.023	.010	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:HUA
 Test Date:2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:50%
 Test Distance:12.280m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm										
NAME:LED STREET LIGHT					TYPE:IP66			WEIGHT:		
SPEC.:PHILIPS 3030 4000K					DIM.:			SERIAL No.:BLD20181119P02		
MFR.: QINHAN LIGHTING					SUR.:0.28*0.08*3			Shielding 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	33.7	35.1	33.9	35.3	35.5	25.1	26.6	25.4	26.8	27.0
3H	34.2	35.5	34.5	35.8	36.0	25.0	26.3	25.3	26.6	26.8
4H	34.1	35.4	34.4	35.6	35.9	25.0	26.3	25.3	26.5	26.8
6H	34.0	35.2	34.3	35.5	35.8	25.0	26.2	25.3	26.5	26.8
8H	33.9	35.1	34.3	35.4	35.7	25.0	26.1	25.3	26.4	26.7
12H	33.9	35.0	34.3	35.3	35.6	25.1	26.2	25.4	26.5	26.8
4H 2H	33.6	34.8	33.9	35.1	35.4	27.1	28.3	27.4	28.6	28.9
3H	34.2	35.4	34.6	35.7	36.0	26.9	28.0	27.3	28.3	28.6
4H	34.2	35.2	34.6	35.5	35.8	26.9	27.9	27.3	28.2	28.6
6H	34.1	35.0	34.5	35.3	35.7	26.9	27.8	27.3	28.1	28.5
8H	34.1	34.9	34.5	35.2	35.6	26.9	27.7	27.3	28.1	28.5
12H	34.0	34.8	34.4	35.1	35.6	26.9	27.7	27.4	28.1	28.5
8H 4H	34.0	34.9	34.5	35.2	35.6	27.1	27.9	27.5	28.2	28.6
6H	34.0	34.6	34.4	35.0	35.5	27.1	27.7	27.5	28.2	28.6
8H	33.9	34.5	34.4	35.0	35.4	27.1	27.7	27.6	28.1	28.6
12H	33.9	34.4	34.4	34.9	35.3	27.2	27.7	27.7	28.1	28.6
12H 4H	34.0	34.7	34.4	35.1	35.5	27.0	27.8	27.5	28.2	28.6
6H	33.9	34.5	34.4	34.9	35.4	27.1	27.6	27.5	28.1	28.5
8H	33.9	34.4	34.4	34.9	35.3	27.1	27.6	27.6	28.0	28.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 1.0					+ 2.1 / - 5.5				
1.5H	+ 2.0 / - 2.2					+ 1.9 / - 3.4				
2.0H	+ 1.5 / - 3.3					+ 4.4 / - 6.9				

CIE Pub.117 Corrected 15535 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.5)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:HUA
 Test Date:2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:50%
 Test Distance:12.280m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm		
NAME:LED STREET LIGHT	TYPE:IP66	WEIGHT:
SPEC.:PHILIPS 3030 4000K	DIM.:	SERIAL No.:BLD20181119P02
MFR.: QINHAN LIGHTING	SUR.:0.28*0.08*3	Shielding Angle:

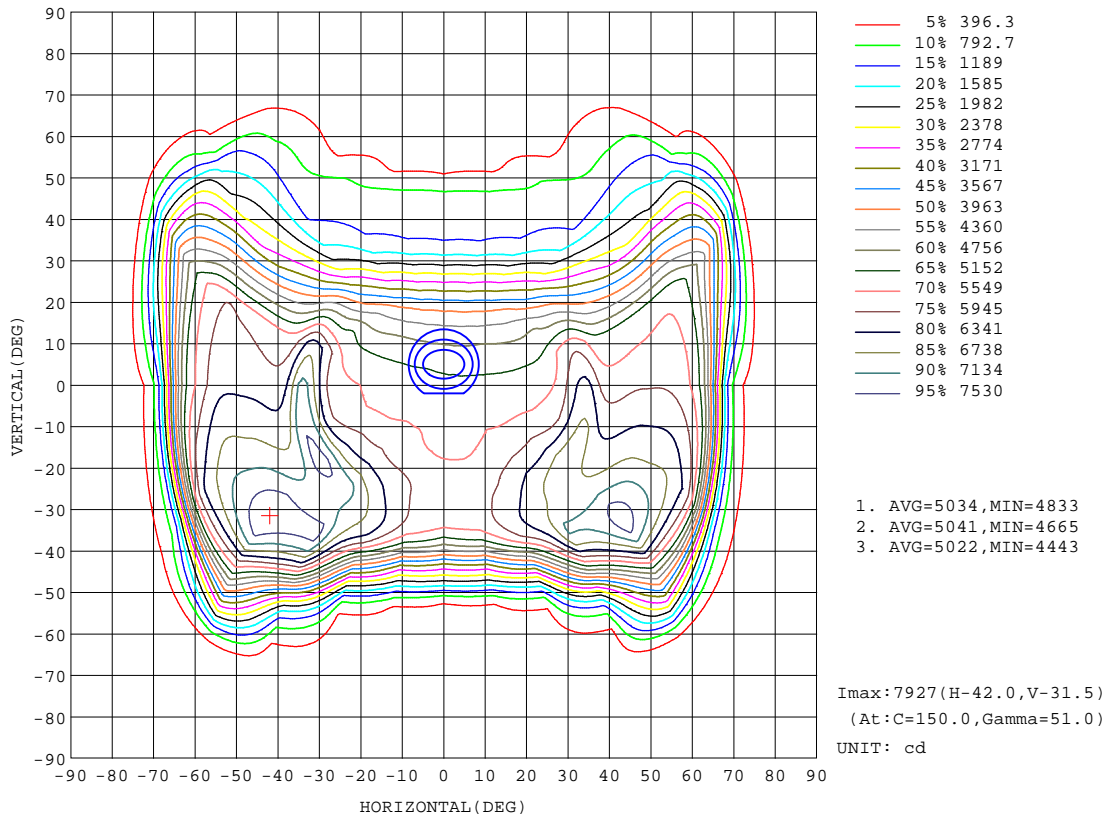
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	47	40	58	47	40	56	46	40	33
0.80	69	58	51	68	57	50	66	56	50	43
1.00	78	67	60	77	67	60	75	68	60	53
1.25	85	75	69	84	75	68	81	73	67	60
1.50	90	81	75	89	80	74	86	78	73	66
2.00	97	89	83	95	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	77
3.00	104	98	93	102	96	92	98	93	89	81
4.00	108	103	98	105	101	97	101	97	94	86
5.00	110	106	102	107	104	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:HUA
 Test Date:2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:50%
 Test Distance:12.280m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm		
NAME:LED STREET LIGHT	TYPE:IP66	WEIGHT:
SPEC.:PHILIPS 3030 4000K	DIM.:	SERIAL No.:BLD20181119P02
MFR.: QINHAN LIGHTING	SUR.:0.28*0.08*3	Shielding Angle:



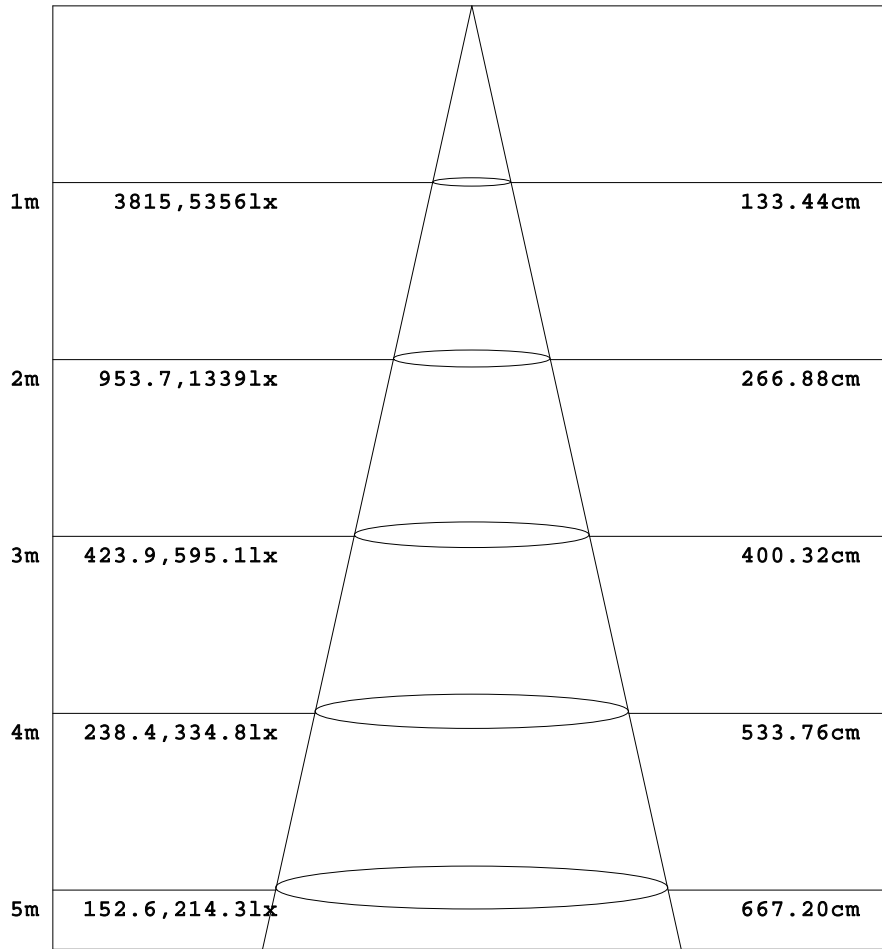
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:HUA
 Test Date:2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:50%
 Test Distance:12.280m [K=1.0000]
 Remarks:

AAI Figure

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm		
NAME:LED STREET LIGHT	TYPE:IP66	WEIGHT:
SPEC.:PHILIPS 3030 4000K	DIM.:	SERIAL No.:BLD20181119P02
MFR.: QINHAN LIGHTING	SUR.:0.28*0.08*3	Shielding Angle:

Flux out:5452 lm



Height Eavg, Emax Angle:67.42deg Diameter

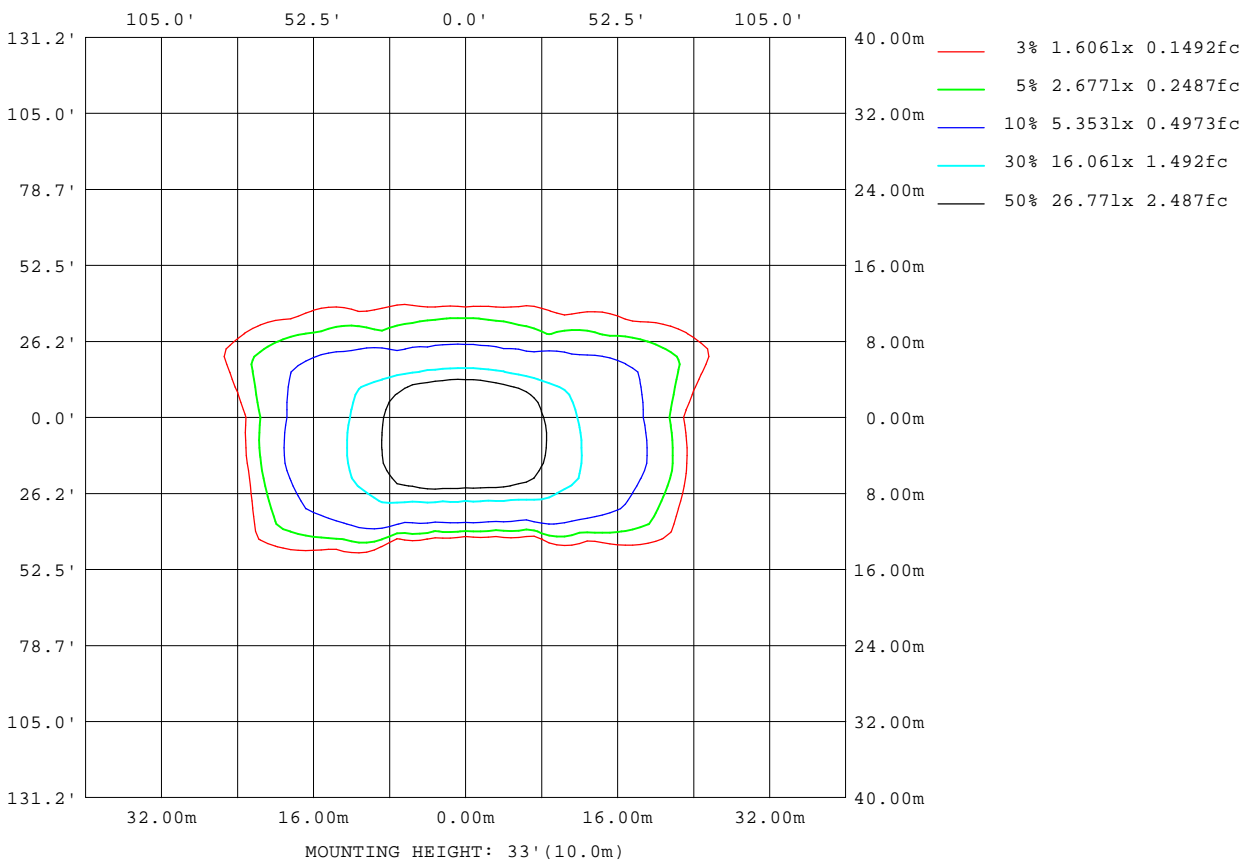
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:HUA
 Test Date:2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:50%
 Test Distance:12.280m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm		
NAME:LED STREET LIGHT	TYPE:IP66	WEIGHT:
SPEC.:PHILIPS 3030 4000K	DIM.:	SERIAL No.:BLD20181119P02
MFR.: QINHAN LIGHTING	SUR.:0.28*0.08*3	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: HUA
 Test Date: 2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity: 50%
 Test Distance: 12.280m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm		
NAME:LED STREET LIGHT	TYPE:IP66	WEIGHT:
SPEC.:PHILIPS 3030 4000K	DIM.:	SERIAL No.:BLD20181119P02
MFR.: QINHAN LIGHTING	SUR.:0.28*0.08*3	Shielding Angle:

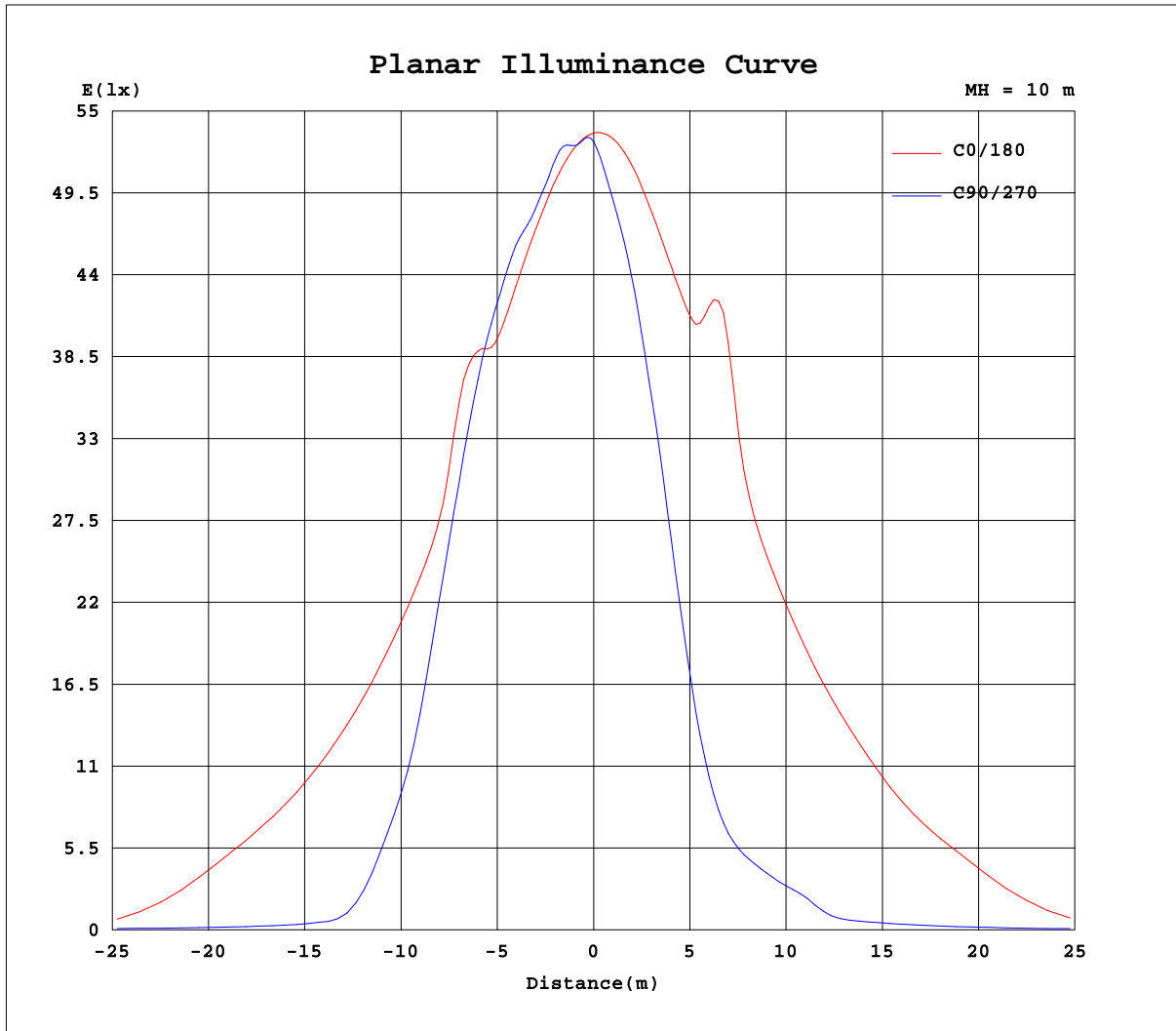
AvgL	cd/m2
L_0~180(65)av	127969
L_0~180(75)av	11926
L_0~180(85)av	10220
L_90~270(65)av	7604
L_90~270(75)av	12673
L_90~270(85)av	25422
L_45(65)av	29779
L_45(75)av	11776
L_45(85)av	10187

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:HUA
 Test Date:2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:50%
 Test Distance:12.280m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 27DEG
 Operators: HUA
 Test Date: 2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity: 50%
 Test Distance: 12.280m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm		
NAME:LED STREET LIGHT	TYPE:IP66	WEIGHT:
SPEC.:PHILIPS 3030 4000K	DIM.:	SERIAL No.:BLD20181119P02
MFR.: QINHAN LIGHTING	SUR.:0.28*0.08*3	Shielding 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	5353	5346	5319	5333	5308	5300	5296	5288	5285	5300	5276	5292	5353	5346	5319	5333	5308	5300	5296
5	5333	5353	5328	5342	5321	5327	5333	5335	5338	5364	5349	5362	5391	5328	5231	5170	5090	5044	5022
10	5333	5355	5350	5424	5446	5467	5483	5489	5483	5467	5408	5417	5435	5307	5137	5018	4880	4785	4740
15	5344	5402	5464	5552	5511	5482	5493	5535	5609	5646	5536	5470	5475	5290	5068	4847	4573	4367	4281
20	5396	5496	5676	5735	5631	5618	5656	5676	5759	5885	5761	5569	5545	5327	5005	4575	4123	3777	3637
25	5481	5647	5981	6043	5886	5758	5856	5873	6126	6229	6114	5753	5686	5508	5138	4199	3387	2888	2722
30	6016	6137	6500	6449	6039	5808	5911	5891	6352	6876	6834	6379	6354	6271	4970	3521	2488	1952	1783
35	6423	6833	7025	6724	6244	5651	5449	5784	6579	7275	7689	7496	7175	6224	4466	2687	1666	1279	1183
40	5753	6323	6771	6938	6034	4705	4274	4831	6383	7276	7136	6600	6121	5644	3822	1919	1209	1032	985
45	5855	6508	7185	7170	4512	2887	2599	2963	4937	7636	7542	6765	6190	5765	3374	1446	1023	887	843
50	5909	6682	7755	6358	2519	1308	1023	1406	2916	7124	7935	6925	6251	5886	2968	1181	917	640	486
55	5862	6753	7559	4464	814	297	278	327	1092	5436	7658	6972	6164	5942	2639	1074	716	306	300
60	5485	6451	6258	1913	287	225	220	226	321	2866	6401	6493	5539	5608	2347	1000	349	265	258
65	3552	4763	4286	605	222	198	212	196	225	1084	4721	4444	3717	4849	1911	891	269	220	220
70	708	1176	2183	233	190	224	189	212	195	359	2524	885	744	3327	1257	597	209	177	196
75	194	309	279	147	145	160	289	162	149	160	387	303	221	1124	354	259	150	163	152
80	108	132	95.6	98.9	108	118	144	114	109	104	97.9	135	101	193	165	111	102	103	118
85	60.3	73.1	66.3	63.2	66.3	73.1	144	72.8	66.6	63.5	67.7	72.7	59.4	81.0	66.7	56.2	54.7	67.5	154
90	34.4	42.6	39.1	32.0	30.8	27.8	30.8	27.5	29.8	32.1	40.2	45.4	30.0	35.9	34.4	26.4	25.3	25.9	24.6
95	28.3	26.8	19.0	15.3	14.6	14.8	15.5	14.1	13.9	15.2	19.8	27.6	26.3	26.5	18.5	12.1	6.84	2.84	1.34
100	22.5	22.6	17.2	11.6	6.89	4.08	3.20	4.01	6.59	11.5	16.4	20.7	17.1	19.3	16.5	11.1	6.97	3.53	2.61
105	27.4	25.0	16.9	11.7	6.99	3.49	2.45	3.41	6.75	11.4	16.5	22.8	20.8	20.0	16.1	12.4	8.25	4.64	4.10
110	40.2	26.8	16.2	11.5	7.20	4.03	3.40	3.83	6.63	11.0	16.0	27.5	32.0	23.7	17.1	12.6	8.96	6.10	6.10
115	32.9	21.7	16.0	12.0	8.12	5.11	4.59	4.77	7.32	11.1	15.0	21.2	31.2	21.6	16.7	13.4	10.3	7.87	8.14
120	26.2	21.1	16.3	12.9	9.42	6.61	7.17	6.12	8.47	11.7	14.9	19.7	20.5	19.3	16.1	13.8	11.8	9.88	11.3
125	24.4	21.0	17.0	14.1	11.0	8.43	9.67	7.80	9.87	12.6	15.2	19.8	20.3	19.0	16.1	14.4	13.3	12.0	14.5
130	22.2	20.7	18.2	15.5	12.7	10.5	13.6	9.68	11.3	13.7	15.6	18.3	18.0	17.8	16.3	15.0	14.5	14.2	19.1
135	22.2	21.4	19.3	16.9	14.2	12.7	17.0	11.7	12.6	14.7	16.3	18.5	18.5	18.1	16.8	15.6	15.5	16.1	21.7
140	22.8	22.3	20.3	18.3	15.8	14.8	18.8	13.6	14.0	15.8	17.1	19.1	19.8	19.2	18.0	16.8	16.5	17.4	23.0
145	23.5	23.1	21.3	19.5	17.3	16.7	19.1	15.6	15.5	16.8	18.1	19.9	21.3	20.9	19.8	18.3	17.8	18.9	22.4
150	24.3	23.8	22.2	20.5	18.9	18.6	19.9	17.6	16.9	17.8	19.0	20.6	22.7	22.5	21.6	20.3	19.5	20.5	22.7
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:HUA
 Test Date:2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:50%
 Test Distance:12.280m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.4722A P:102.3W PF:0.9846 Lamp Flux:15534.6x1 lm		
NAME:LED STREET LIGHT	TYPE:IP66	WEIGHT:
SPEC.:PHILIPS 3030 4000K	DIM.:	SERIAL No.:BLD20181119P02
MFR.: QINHAN LIGHTING	SUR.:0.28*0.08*3	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	5288	5285	5300	5276	5292														
5	5014	5033	5090	5129	5214														
10	4745	4801	4902	4992	5146														
15	4311	4471	4705	4890	5096														
20	3713	3997	4388	4789	5103														
25	2844	3283	3963	4792	5203														
30	1909	2397	3304	4515	5740														
35	1242	1589	2478	4020	5637														
40	1006	1152	1778	3474	5192														
45	865	981	1331	3009	5246														
50	641	875	1090	2591	5358														
55	303	698	981	2285	5470														
60	262	336	897	2059	5340														
65	221	261	804	1710	4768														
70	180	211	584	1169	3512														
75	152	154	253	338	1184														
80	99.3	103	108	145	181														
85	65.6	55.7	55.8	64.6	81.2														
90	28.4	23.9	26.8	34.5	36.2														
95	3.34	7.56	12.6	18.9	26.5														
100	4.06	7.95	12.2	18.3	20.6														
105	5.25	9.44	13.9	18.1	21.6														
110	6.75	9.99	13.9	18.6	26.4														
115	8.68	11.6	14.7	18.0	23.0														
120	10.8	13.0	15.2	17.5	21.0														
125	12.9	14.7	16.2	18.0	20.1														
130	15.0	16.4	17.6	18.7	19.1														
135	17.1	18.0	18.9	19.4	19.2														
140	18.9	19.4	20.0	20.4	20.1														
145	20.2	20.7	21.2	21.6	21.4														
150	21.3	21.8	22.6	23.0	23.0														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:27DEG
 Operators:HUA
 Test Date:2018-11-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.350
 Humidity:50%
 Test Distance:12.280m [K=1.0000]
 Remarks: