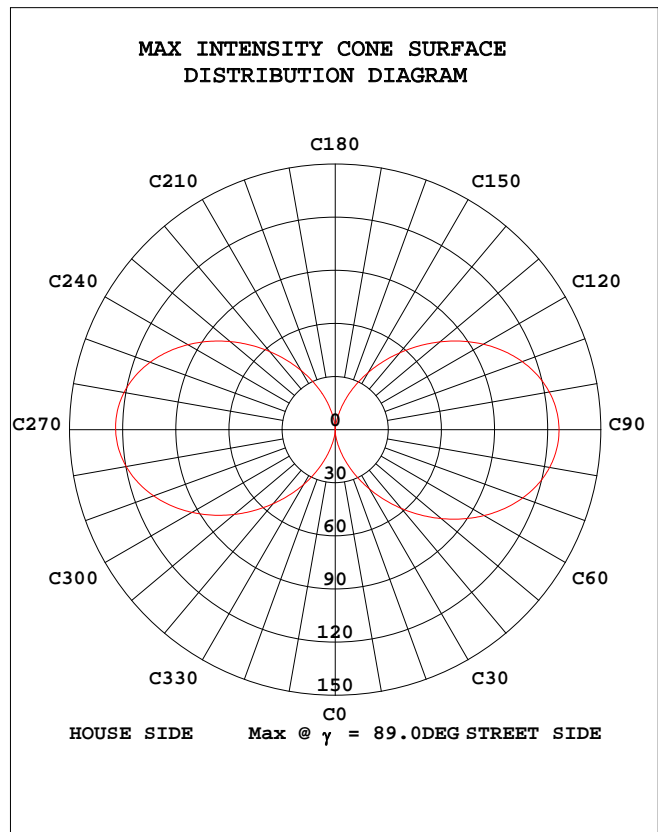
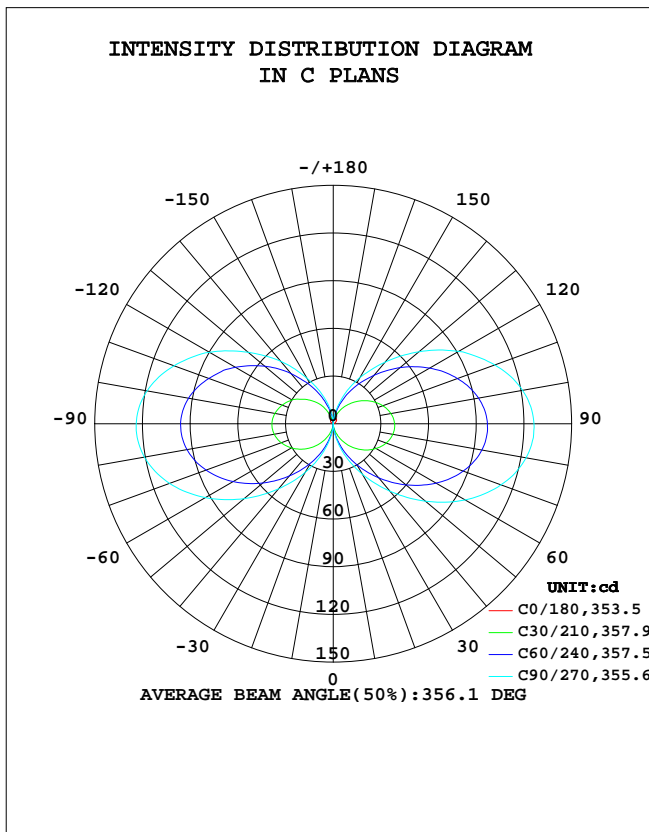


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.19V I:0.0719A P:14.066W PF:0.8881 Freq:50.01Hz Lamp Flux:556.416x1 lm		
NAME: B-03LED(410052)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 39.56 lm/W			
MODEL	XTE	I _{max} (cd)	126.4	η street_up(%)	24.7
NOMINAL POWER(W)	15	LOR(%)	100.0	η street_down(%)	25.8
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	556.4	η house_up(%)	24.5
NOMINAL FLUX(lm)	556.416	MAXIMUM @(C,γ)	90,89.0	η house_down(%)	25.0
LAMPS INSIDE	1	η up(%)	49.2	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.0	η down(%)	50.8	SLI	6.060



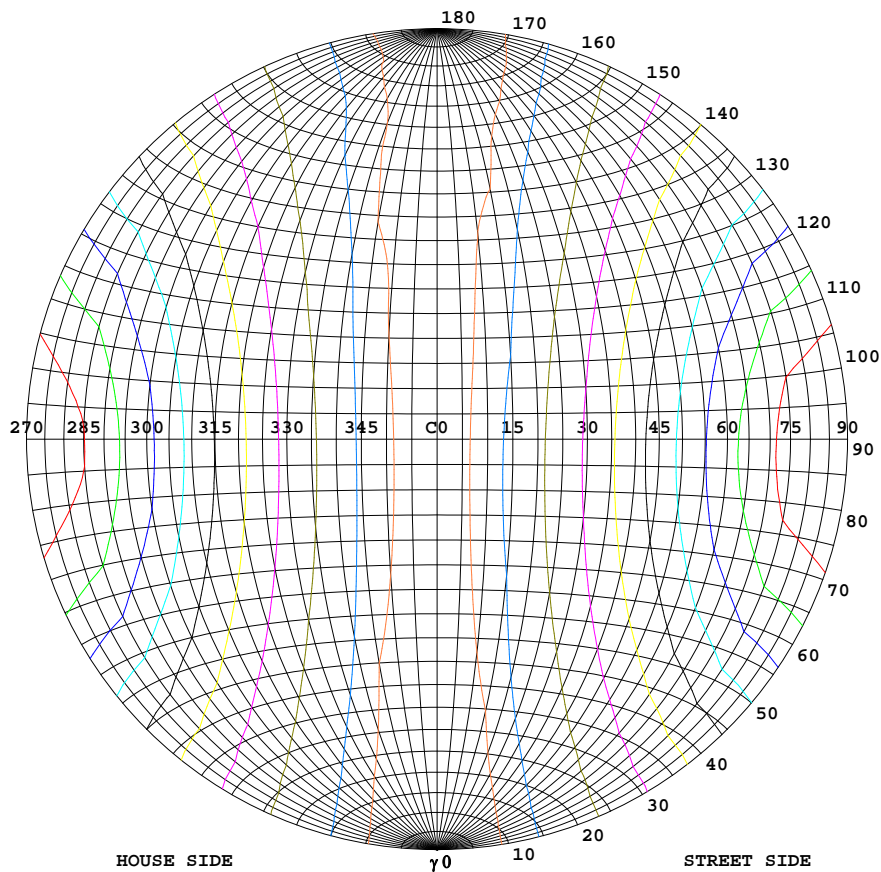
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 33.8DEG
 Operators:CS01
 Test Date:2019-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 39.7%
 Test Distance:1.859m [K=1.0000]
 Remarks: B-03LED-XTE 4000K PRILUX

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.19V I:0.0719A P:14.066W PF:0.8881 Freq:50.01Hz Lamp Flux:556.416x1 lm		
NAME: B-03LED(410052)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:



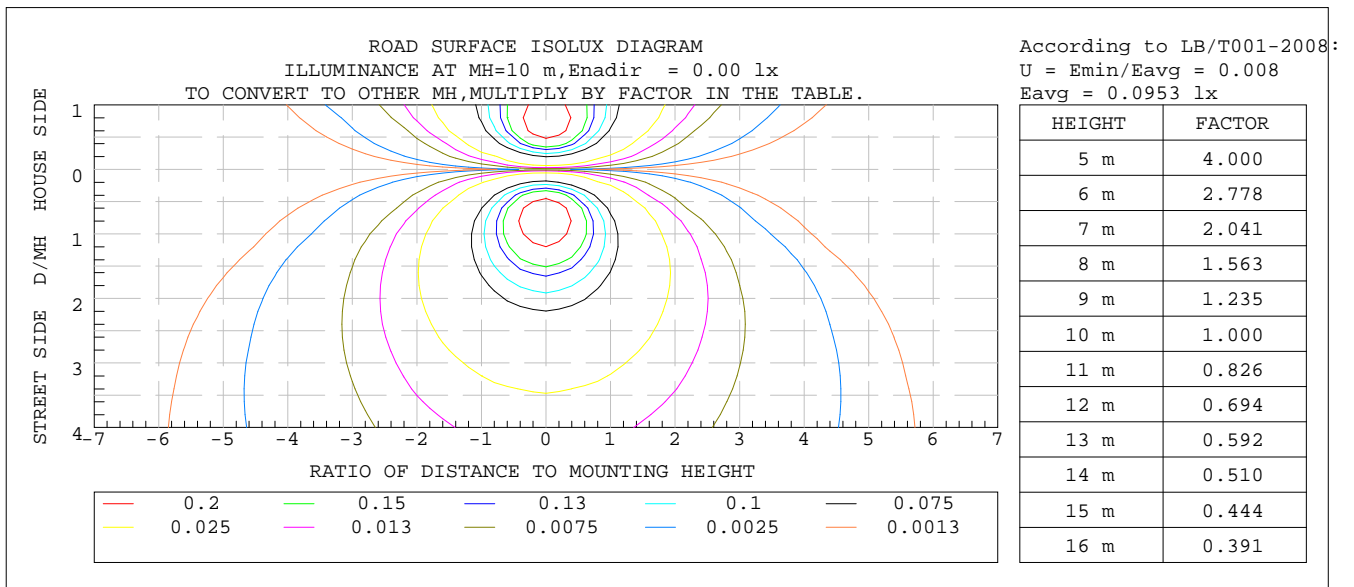
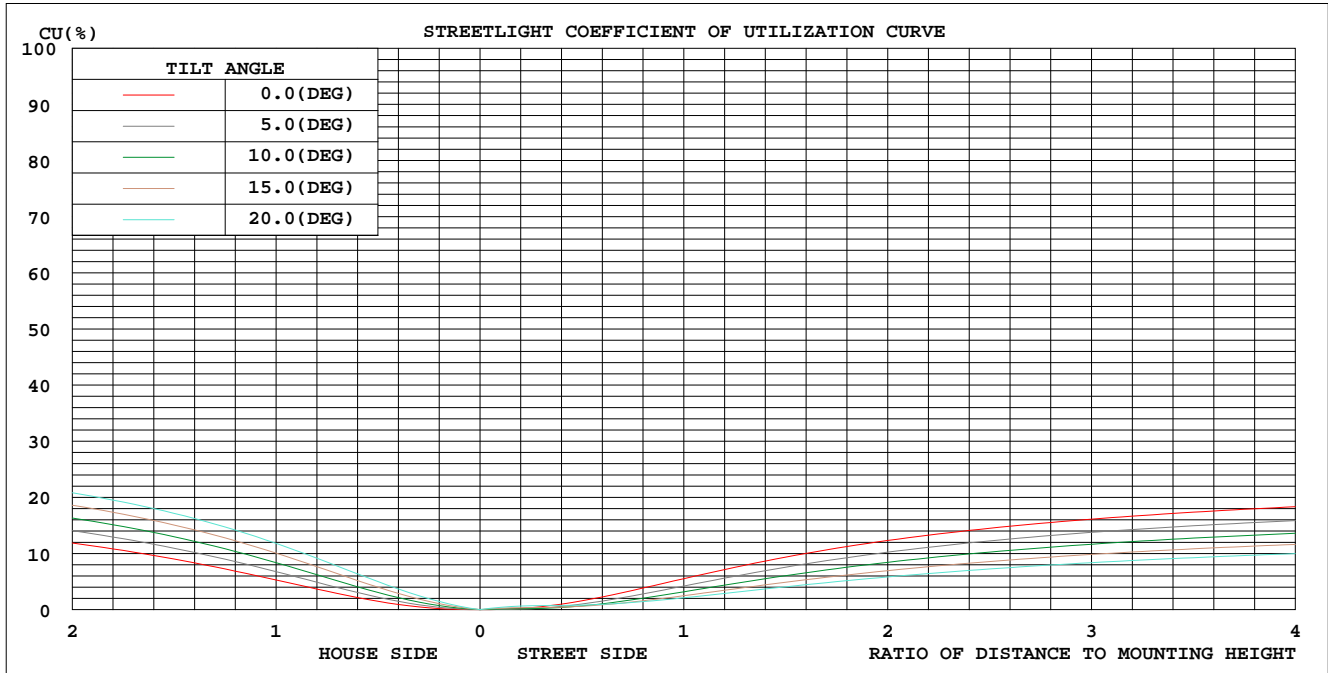
Classification:

IES:Type V - Very Short
 CIE:Narrow - Long
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:221.4cd/klm
 Max.At90:226.9cd/klm
 Max.80-90:227.1cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	126
90%	114
80%	101
70%	88
60%	76
50%	63
40%	51
30%	38
20%	25
10%	13
5%	6

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 33.8DEG
 Operators:CS01
 Test Date:2019-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 39.7%
 Test Distance:1.859m [K=1.0000]
 Remarks: B-03LED-XTE 4000K PRILUX

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 33.8DEG
Operators:CS01
Test Date:2019-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 39.7%
Test Distance:1.859m [K=1.0000]
Remarks: B-03LED-XTE 4000K PRILUX

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Test:U:220.19V I:0.0719A P:14.066W PF:0.8881 Freq:50.01Hz Lamp Flux:556.416x1 lm		
NAME: B-03LED(410052)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	0.3409	4.376	7.328	4.232	0.3310	3.902	6.729	3.733	0- 10	0.2068	0.2068	0.04,0.04
20	0.3178	12.48	20.48	12.14	0.3010	11.67	19.56	11.32	10- 20	2.170	2.377	0.43,0.43
30	0.2795	22.18	36.55	21.60	0.2610	21.15	35.29	20.60	20- 30	7.225	9.602	1.73,1.73
40	0.2312	32.65	55.37	31.85	0.2154	31.47	53.37	30.61	30- 40	15.64	25.24	4.54,4.54
50	0.1800	43.34	75.82	42.34	0.1649	42.04	73.33	40.77	40- 50	27.15	52.39	9.42,9.42
60	0.1241	53.38	95.89	52.17	0.1119	52.04	92.93	50.28	50- 60	40.64	93.03	16.7,16.7
70	0.0752	61.58	112.4	60.29	0.0749	60.38	109.7	58.10	60- 70	54.09	147.1	26.4,26.4
80	0.0530	66.78	123.2	65.49	0.0530	65.81	120.7	63.07	70- 80	64.90	212.0	38.1,38.1
90	0.0484	68.04	126.3	66.94	0.0516	67.52	124.0	64.48	80- 90	70.70	282.7	50.8,50.8
100	0.0833	65.12	121.0	64.29	0.1082	65.13	119.0	61.95	90-100	70.07	352.8	63.4,63.4
110	0.3958	58.58	108.2	58.31	0.5030	59.21	106.7	55.92	100-110	63.18	416.0	74.8,74.8
120	1.438	49.54	91.09	49.72	1.443	50.89	89.96	47.52	110-120	51.96	467.9	84.1,84.1
130	2.546	39.20	70.60	39.91	2.306	41.23	70.03	38.79	120-130	38.65	506.6	91,91
140	3.321	28.88	50.59	30.36	2.767	30.18	51.34	28.94	130-140	25.66	532.2	95.7,95.7
150	3.740	19.16	33.60	20.75	2.946	20.02	32.95	20.08	140-150	14.79	547.0	98.3,98.3
160	3.918	10.18	18.41	11.49	3.285	9.944	18.64	12.39	150-160	6.929	554.0	99.6,99.6
170	3.419	3.745	6.701	3.821	3.503	3.017	7.101	5.751	160-170	2.187	556.2	100,100
180	0	0	0	0	0	0	0	0	170-180	0.2640	556.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

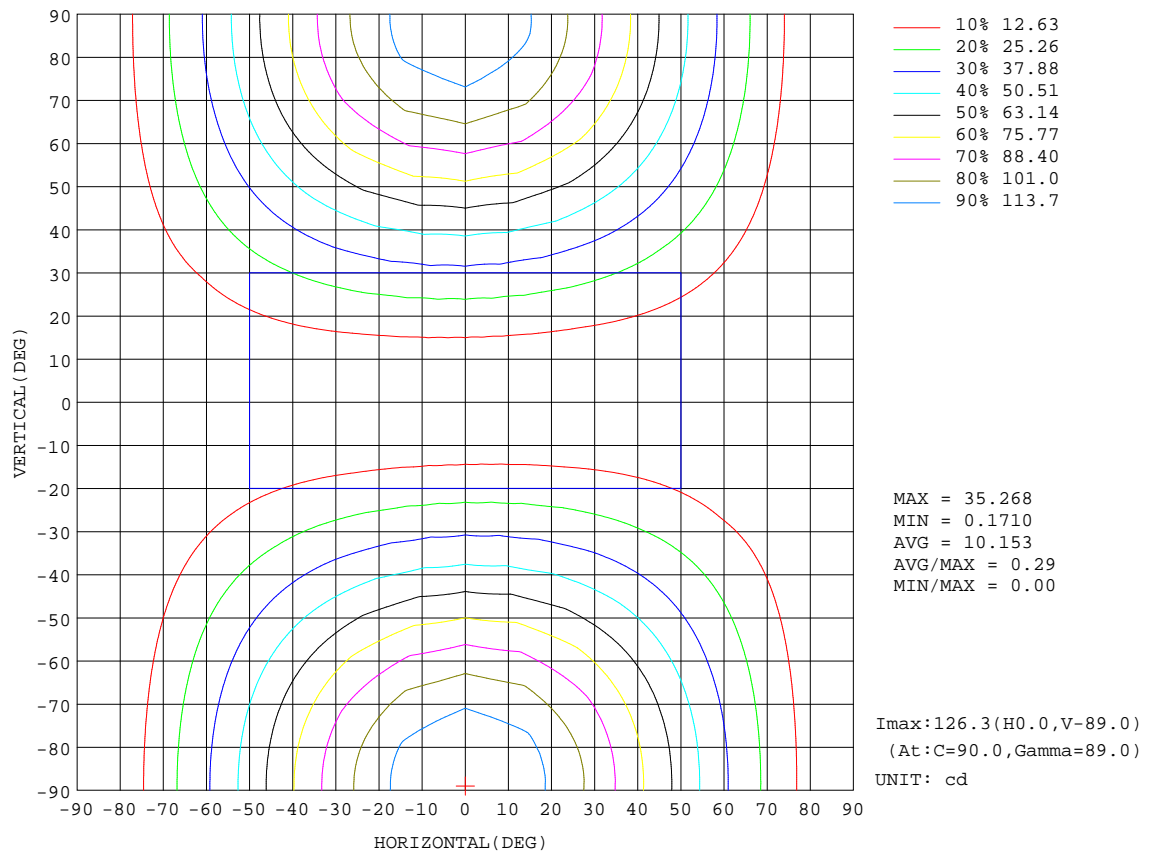
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 33.8DEG
 Operators:CS01
 Test Date:2019-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 39.7%
 Test Distance:1.859m [K=1.0000]
 Remarks: B-03LED-XTE 4000K PRILUX

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

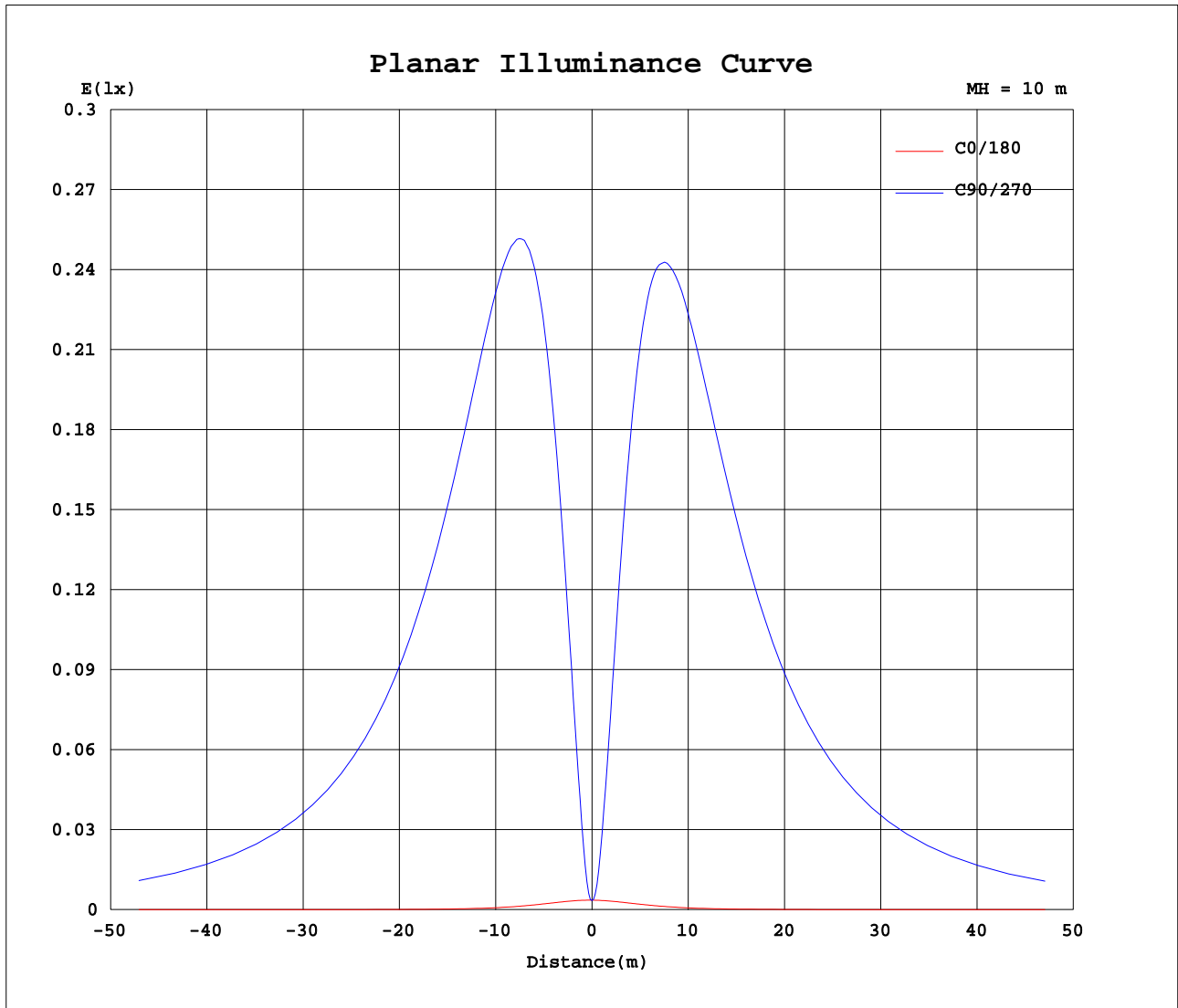
Test:U:220.19V I:0.0719A P:14.066W PF:0.8881 Freq:50.01Hz Lamp Flux:556.416x1 lm		
NAME: B-03LED(410052)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 33.8DEG
Operators: CS01
Test Date: 2019-08-28

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 39.7%
Test Distance: 1.859m [K=1.0000]
Remarks: B-03LED-XTE 4000K PRILUX

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 33.8DEG
 Operators: CS01
 Test Date: 2019-08-28

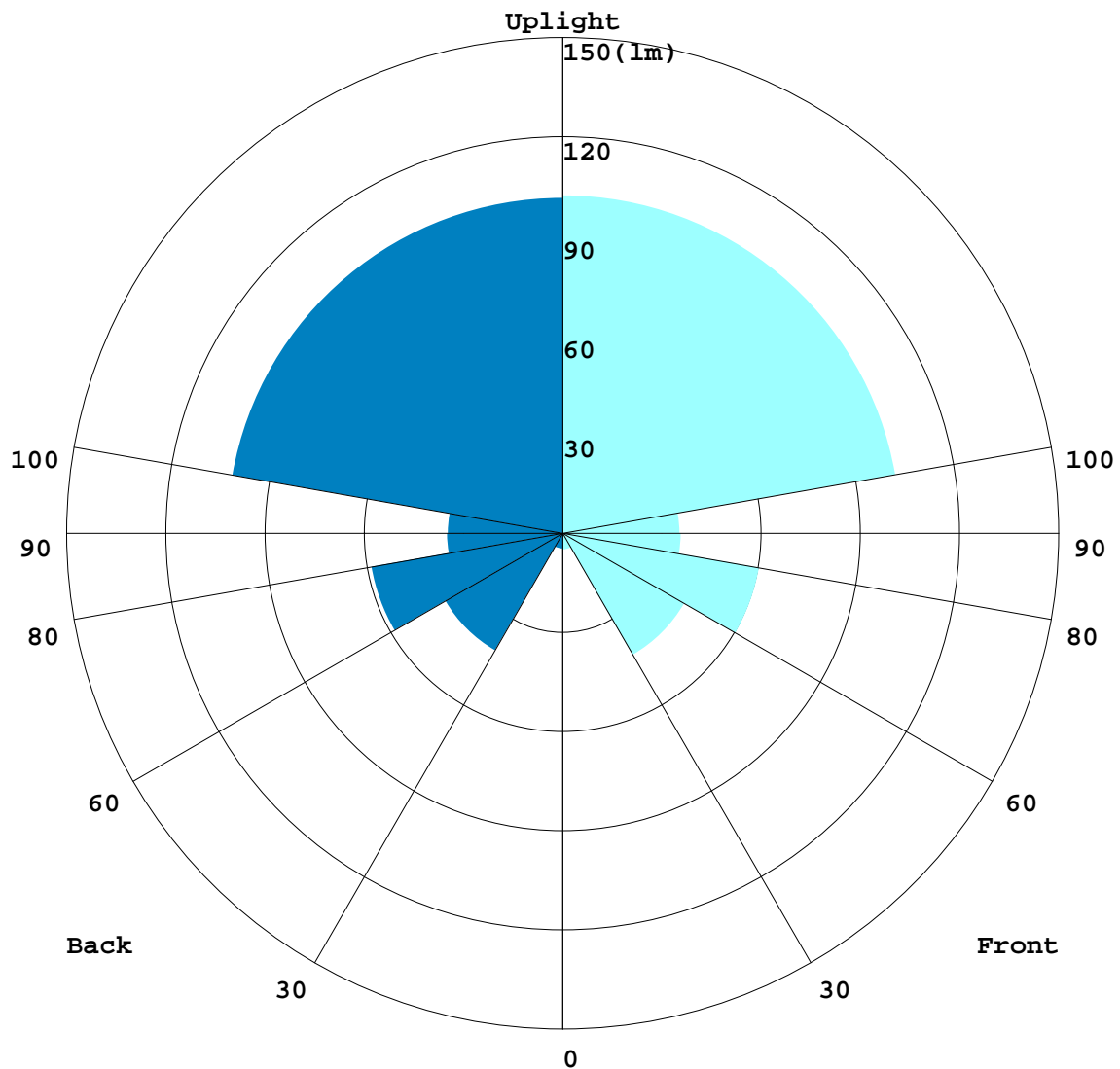
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 39.7%
 Test Distance: 1.859m [K=1.0000]
 Remarks: B-03LED-XTE 4000K PRILUX

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:220.19V I:0.0719A P:14.066W PF:0.8881 Freq:50.01Hz Lamp Flux:556.416x1 lm		
NAME: B-03LED(410052)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 33.8DEG
Operators:CS01
Test Date:2019-08-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 39.7%
Test Distance:1.859m [K=1.0000]
Remarks: B-03LED-XTE 4000K PRILUX

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:220.19V I:0.0719A P:14.066W PF:0.8881 Freq:50.01Hz Lamp Flux:556.416x1 lm		
NAME: B-03LED(410052)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4.9431	0.9
FM - Front-Medium(30-60)	42.477	7.6
FH - Front-High(60-80)	60.313	10.8
FVH - Front-Very High(80-90)	35.743	6.4
Total Forward Light	281.04	50.5

BL - Back-Low(0-30)	4.6587	0.8
BM - Back-Medium(30-60)	40.949	7.4
BH - Back-High(60-80)	58.669	10.5
BVH - Back-Very High(80-90)	34.958	6.3
Total Back Light	275.37	49.5

UL - Uplight-Low(90-100)	70.074	12.6
UH - Uplight-High(100-180)	203.63	36.6
Total Up Light	273.7	49.2

BUG(Back,Up,Glare) Rating	B0-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	139.24	136.14	275.37
Street Side	143.48	137.57	281.04

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 33.8DEG
 Operators:CS01
 Test Date:2019-08-28

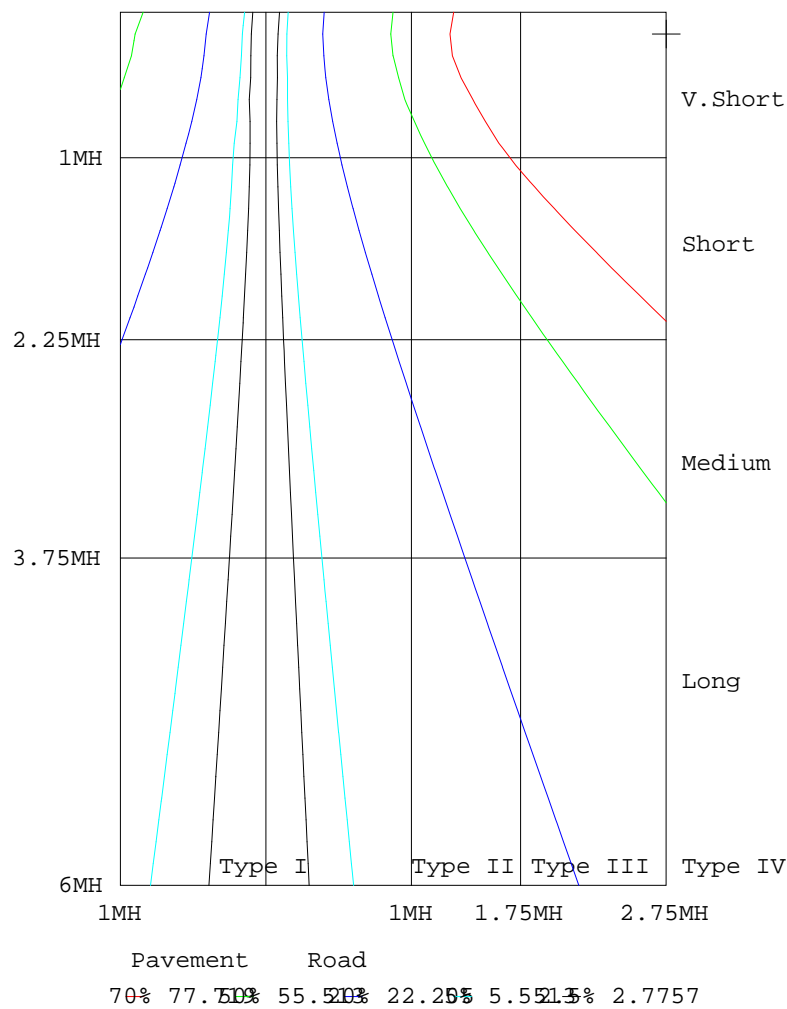
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 39.7%
 Test Distance:1.859m [K=1.0000]
 Remarks: B-03LED-XTE 4000K PRILUX

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:220.19V I:0.0719A P:14.066W PF:0.8881 Freq:50.01Hz Lamp Flux:556.416x1 lm		
NAME: B-03LED(410052)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 33.8DEG
Operators:CS01
Test Date:2019-08-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 39.7%
Test Distance:1.859m [K=1.0000]
Remarks: B-03LED-XTE 4000K PRILUX

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.19V I:0.0719A P:14.066W PF:0.8881 Freq:50.01Hz Lamp Flux:556.416x1 lm																			
NAME: B-03LED(410052)										TYPE:					WEIGHT:				
SPEC.:										DIM.:					SERIAL No.:				
MFR.: KLED										SUR.:					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	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
5	0.35	0.46	0.87	1.42	1.93	2.28	2.40	2.27	1.90	1.37	0.82	0.43	0.34	0.43	0.75	1.24	1.72	2.07	2.16
10	0.34	0.96	2.55	4.38	5.96	6.99	7.33	6.94	5.85	4.23	2.36	0.82	0.33	0.79	2.18	3.90	5.39	6.43	6.73
15	0.33	1.76	4.83	8.15	11.0	12.9	13.5	12.8	10.9	7.92	4.52	1.47	0.32	1.46	4.25	7.45	10.2	12.1	12.7
20	0.32	2.76	7.46	12.5	16.8	19.6	20.5	19.5	16.5	12.1	7.02	2.29	0.30	2.34	6.75	11.7	15.9	18.7	19.6
25	0.30	3.86	10.3	17.2	23.0	27.0	28.2	26.8	22.7	16.8	9.75	3.24	0.28	3.36	9.54	16.3	22.0	25.9	27.1
30	0.28	5.03	13.4	22.2	29.8	34.9	36.5	34.7	29.4	21.6	12.6	4.23	0.26	4.46	12.5	21.1	28.6	33.6	35.3
35	0.26	6.22	16.5	27.4	36.9	43.5	45.7	43.2	36.4	26.7	15.6	5.26	0.24	5.64	15.6	26.2	35.5	42.0	44.0
40	0.23	7.43	19.6	32.6	44.4	52.7	55.4	52.3	43.8	31.8	18.6	6.30	0.22	6.85	18.7	31.5	42.8	50.7	53.4
45	0.21	8.62	22.7	38.0	52.1	62.2	65.5	61.8	51.4	37.1	21.6	7.33	0.19	8.07	21.8	36.8	50.4	60.0	63.2
50	0.18	9.73	25.7	43.3	59.9	71.9	75.8	71.4	59.1	42.3	24.5	8.32	0.16	9.24	24.9	42.0	58.1	69.4	73.3
55	0.15	10.8	28.5	48.5	67.5	81.4	86.1	80.9	66.6	47.4	27.2	9.25	0.14	10.4	27.7	47.2	65.5	78.8	83.3
60	0.12	11.7	31.1	53.4	74.7	90.5	95.9	89.9	73.8	52.2	29.8	10.08	0.11	11.4	30.4	52.0	72.7	87.8	92.9
65	0.10	12.5	33.5	57.8	81.4	98.9	105	98.3	80.5	56.5	32.0	10.8	0.09	12.3	32.8	56.5	79.4	96.1	102
70	0.08	13.2	35.5	61.6	87.0	106	112	105	86.2	60.3	34.0	11.4	0.07	13.0	34.9	60.4	85.2	103	110
75	0.06	13.7	37.1	64.6	91.7	112	119	111	90.8	63.3	35.6	11.9	0.06	13.6	36.6	63.5	90.0	109	116
80	0.05	14.0	38.1	66.8	95.0	116	123	115	94.2	65.5	36.6	12.2	0.05	14.0	37.7	65.8	93.4	114	121
85	0.05	14.1	38.7	67.9	96.8	118	126	118	96.1	66.7	37.2	12.3	0.05	14.3	38.4	67.2	95.5	116	123
90	0.05	14.0	38.6	68.0	97.0	119	126	118	96.6	66.9	37.3	12.3	0.05	14.3	38.6	67.5	96.1	117	124
95	0.06	13.6	38.1	67.1	95.8	117	125	117	95.3	66.1	36.8	12.0	0.07	14.1	38.2	66.8	95.1	116	123
100	0.08	13.1	36.9	65.1	92.9	113	121	114	92.7	64.3	35.8	11.6	0.11	13.7	37.3	65.1	92.5	113	119
105	0.17	12.5	35.3	62.2	88.7	108	115	108	88.6	61.6	34.4	11.1	0.21	13.2	35.9	62.5	88.5	108	114
110	0.40	11.7	33.3	58.6	83.2	102	108	102	83.3	58.3	32.6	10.6	0.50	12.6	34.3	59.2	83.3	101	107
115	0.83	10.8	30.9	54.3	77.1	93.8	99.9	94.2	77.7	54.3	30.5	10.19	0.94	11.9	32.2	55.5	77.7	93.7	98.7
120	1.44	9.80	28.2	49.5	70.1	85.3	91.1	85.9	70.7	49.7	28.2	9.71	1.44	11.0	30.0	50.9	71.1	85.6	90.0
125	2.01	8.87	25.4	44.5	62.6	75.9	80.9	76.6	63.3	44.9	25.6	9.20	1.93	10.2	27.1	46.2	63.8	76.4	80.0
130	2.55	8.01	22.4	39.2	55.0	66.4	70.6	66.8	55.7	39.9	23.4	8.22	2.31	9.43	24.0	41.2	56.4	67.0	70.0
135	2.97	7.15	19.5	34.0	47.2	56.9	60.4	57.4	48.2	34.7	20.7	7.00	2.52	8.53	21.1	35.3	49.0	57.9	60.3
140	3.32	6.27	16.6	28.9	39.8	47.7	50.6	48.3	40.7	30.4	17.9	6.12	2.77	7.53	18.2	30.2	41.3	49.1	51.3
145	3.47	5.26	13.8	23.9	32.9	39.2	41.5	39.8	34.3	25.6	14.7	5.58	2.96	6.21	15.3	25.1	33.5	39.9	41.9
150	3.74	4.56	11.2	19.2	26.4	31.5	33.6	32.6	28.0	20.8	12.0	4.74	2.95	4.61	12.0	20.0	27.0	31.3	33.0
155	3.93	3.90	8.42	14.5	20.2	24.2	25.8	24.9	21.4	15.9	9.12	4.21	3.30	3.23	8.41	14.9	20.4	24.2	25.6
160	3.92	3.62	6.06	10.2	14.2	17.1	18.4	18.0	15.5	11.5	6.72	3.85	3.29	3.28	4.88	9.94	14.2	17.4	18.6
165	3.62	3.21	4.17	6.60	8.88	10.7	11.6	11.3	9.83	7.35	4.34	3.44	3.37	3.21	2.70	5.57	9.15	11.4	12.4
170	3.42	2.61	2.99	3.74	5.08	6.21	6.70	6.57	5.04	3.82	2.78	2.86	3.50	3.44	2.74	3.02	5.07	6.39	7.10
175	2.23	2.05	1.50	1.54	2.31	2.02	1.62	2.00	2.02	1.68	1.79	1.83	2.05	2.04	1.86	1.78	1.73	1.60	1.14
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: 33.8DEG
Operators:CS01
Test Date:2019-08-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 39.7%
Test Distance:1.859m [K=1.0000]
Remarks: B-03LED-XTE 4000K PRILUX

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.19V I:0.0719A P:14.066W PF:0.8881 Freq:50.01Hz Lamp Flux:556.416x1 lm		
NAME: B-03LED(410052)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	0.34	0.34	0.34	0.34	0.34														
5	2.04	1.68	1.18	0.70	0.41														
10	6.37	5.29	3.73	2.00	0.66														
15	12.1	10.10	7.21	3.95	1.16														
20	18.6	15.7	11.3	6.27	1.86														
25	25.8	21.8	15.8	8.91	2.68														
30	33.5	28.3	20.6	11.7	3.58														
35	41.8	35.2	25.6	14.6	4.55														
40	50.5	42.3	30.6	17.6	5.51														
45	59.6	49.7	35.7	20.5	6.52														
50	69.0	57.1	40.8	23.3	7.49														
55	78.2	64.4	45.6	26.0	8.41														
60	87.0	71.4	50.3	28.5	9.23														
65	95.2	77.8	54.4	30.7	9.96														
70	102	83.4	58.1	32.6	10.6														
75	108	87.9	61.0	34.1	11.0														
80	112	91.1	63.1	35.1	11.3														
85	115	93.0	64.3	35.7	11.4														
90	115	93.4	64.5	35.7	11.3														
95	114	92.2	63.7	35.2	11.1														
100	111	89.6	61.9	34.3	10.7														
105	106	85.6	59.3	32.8	10.21														
110	99.4	80.5	55.9	31.0	9.61														
115	91.9	74.7	51.9	29.0	9.01														
120	83.6	67.9	47.5	27.0	8.52														
125	74.4	60.9	43.2	24.6	7.85														
130	65.3	53.9	38.8	22.0	7.03														
135	56.6	47.2	33.7	19.3	6.30														
140	48.3	40.0	28.9	16.5	5.67														
145	39.5	33.4	24.4	13.9	5.17														
150	31.7	27.1	20.1	11.7	4.78														
155	24.6	21.4	16.2	9.92	4.83														
160	17.8	15.8	12.4	8.09	4.21														
165	12.2	11.0	9.04	5.69	3.05														
170	7.43	6.99	5.75	3.84	2.66														
175	1.20	1.48	1.65	1.77	1.70														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 33.8DEG
Operators:CS01
Test Date:2019-08-28

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 39.7%
Test Distance:1.859m [K=1.0000]
Remarks: B-03LED-XTE 4000K PRILUX