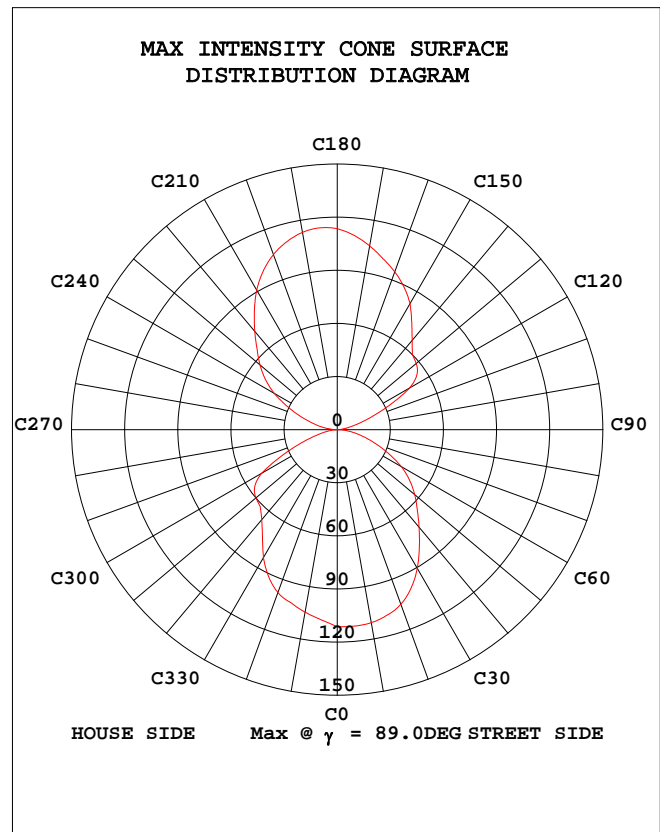
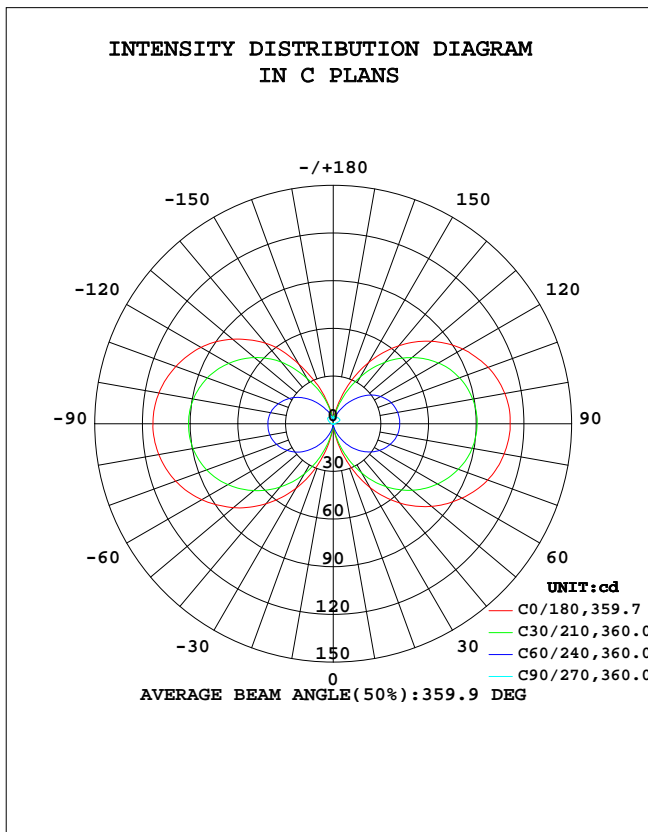


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.13V I:0.0710A P:13.668W PF:0.8744 Freq:50.01Hz Lamp Flux:566.116x1 lm		
NAME: B-15M SMD 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 41.42 lm/W			
MODEL	B-15M SMD 4000K	Imax(cd)	113.5	η street_up(%)	24.9
NOMINAL POWER(W)	14	LOR(%)	100.0	η street_down(%)	24.9
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	566.1	η house_up(%)	25.0
NOMINAL FLUX(lm)	566.116	MAXIMUM @(C, γ)	180,89.0	η house_down(%)	25.2
LAMPS INSIDE	1	η up(%)	49.9	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220.0	η down(%)	50.1	SLI	0.000



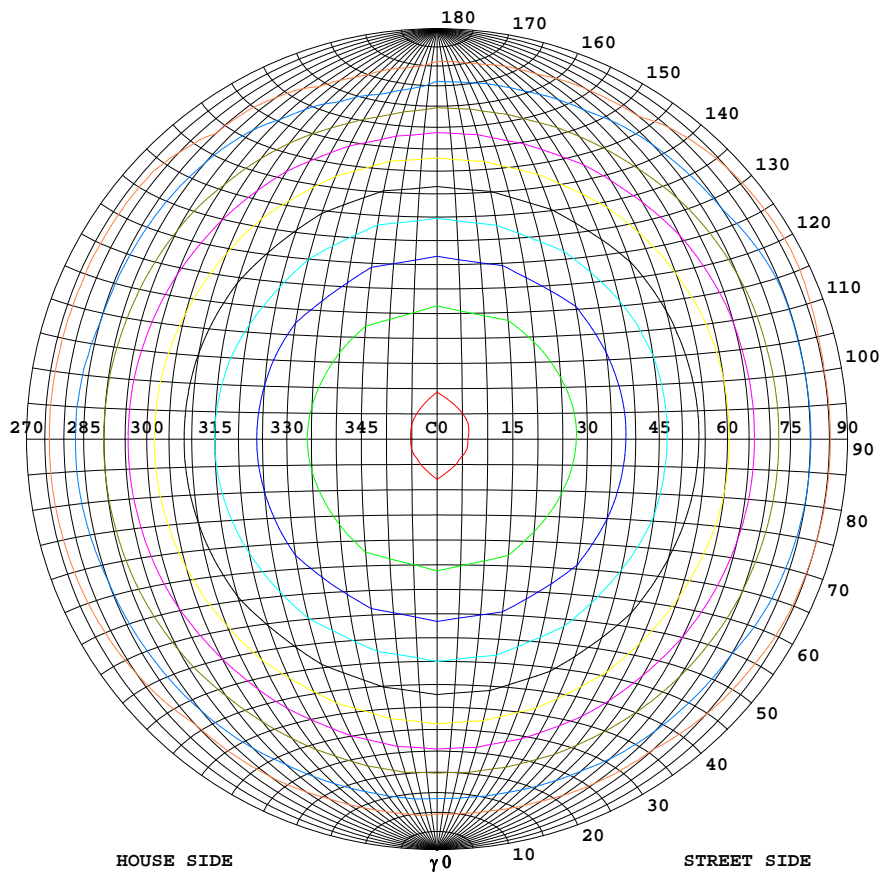
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 29.0DEG
Operators:CS01
Test Date:2021-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 50.2%
Test Distance:26.000m [K=1.0000]
Remarks: B-15M-14W(SMD 4000K)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.13V I:0.0710A P:13.668W PF:0.8744 Freq:50.01Hz Lamp Flux:566.116x1 lm		
NAME: B-15M SMD 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:



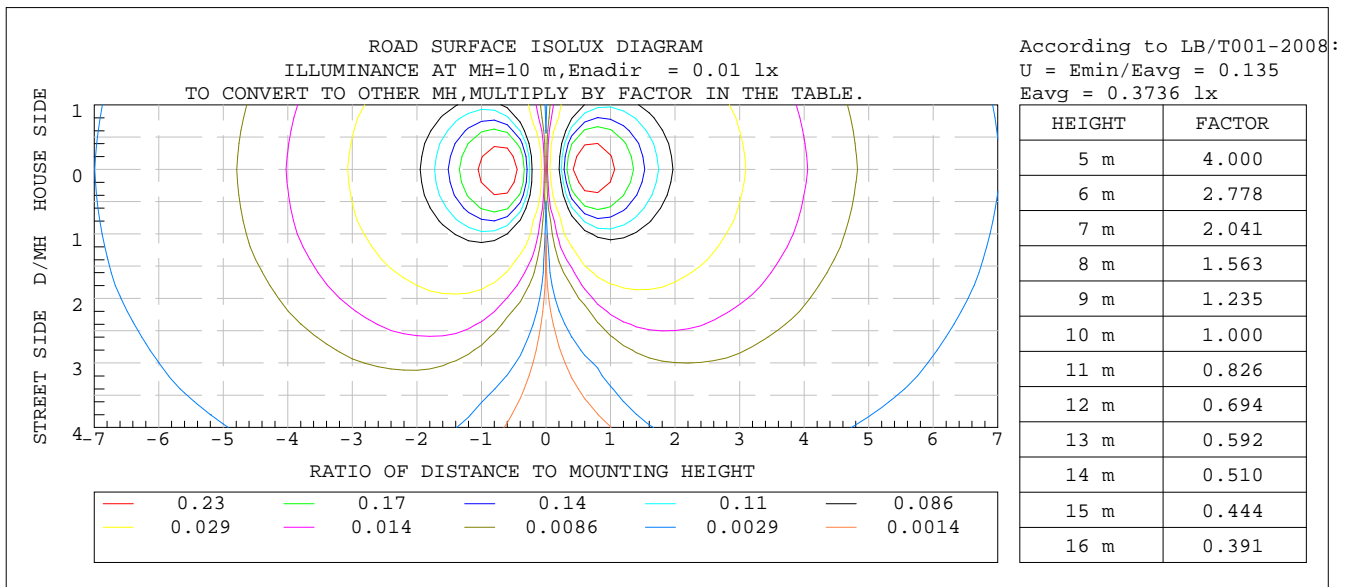
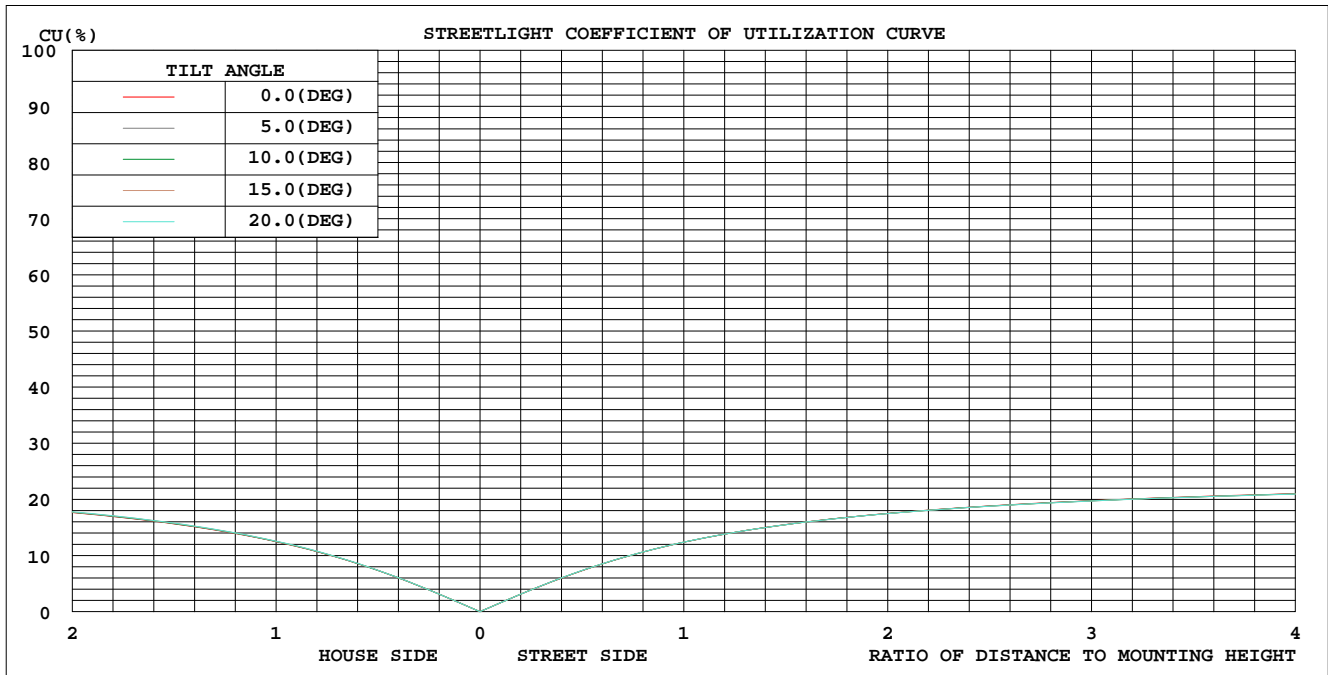
Classification:

IES:Type V - [SH=57.29]
 CIE:Narrow - Long
 IES:None cut-off
 CIE:Non-cut-off
 Max.At80:196.9cd/klm
 Max.At90:200.4cd/klm
 Max.80-90:200.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	113
90%	102
80%	91
70%	79
60%	68
50%	57
40%	45
30%	34
20%	23
10%	11
5%	6

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 29.0DEG
 Operators:CS01
 Test Date:2021-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 50.2%
 Test Distance:26.000m [K=1.0000]
 Remarks: B-15M-14W(SMD 4000K)

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 29.0DEG
Operators:CS01
Test Date:2021-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 50.2%
Test Distance:26.000m [K=1.0000]
Remarks: B-15M-14W(SMD 4000K)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Test:U:220.13V I:0.0710A P:13.668W PF:0.8744 Freq:50.01Hz Lamp Flux:566.116x1 lm		
NAME: B-15M SMD 4000K	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	6.722	2.899	0.5447	2.622	7.443	3.335	0.5570	3.070	0- 10	0.1806	0.1806	0.03,0.03
20	24.96	11.54	0.5447	10.61	26.20	11.98	0.5744	11.00	10- 20	2.257	2.438	0.43,0.43
30	46.38	23.26	0.5447	21.60	46.89	23.63	0.5934	21.80	20- 30	8.356	10.79	1.91,1.91
40	65.17	34.95	0.5447	32.67	65.62	35.04	0.6256	32.85	30- 40	18.14	28.94	5.11,5.11
50	80.91	44.85	0.5447	42.24	82.16	44.94	0.6578	42.52	40- 50	30.07	59.01	10.4,10.4
60	93.56	52.94	1.090	50.02	95.57	53.28	0.5470	50.75	50- 60	42.46	101.5	17.9,17.9
70	103.5	58.90	0.9533	55.74	105.5	59.36	0.5609	56.69	60- 70	53.68	155.1	27.4,27.4
80	109.2	62.61	0.7708	59.06	111.5	62.86	0.5748	60.35	70- 80	62.04	217.2	38.4,38.4
90	111.3	64.01	0.5708	60.13	113.5	64.01	0.5887	61.56	80- 90	66.46	283.6	50.1,50.1
100	109.6	63.04	0.5901	59.11	111.4	62.56	0.9543	60.46	90-100	66.49	350.1	61.8,61.8
110	103.8	59.60	3.082	55.70	105.4	58.62	2.004	56.83	100-110	62.07	412.2	72.8,72.8
120	94.07	53.68	4.979	50.19	96.06	52.07	3.272	50.56	110-120	53.78	466.0	82.3,82.3
130	80.76	45.04	4.943	41.85	82.79	43.59	4.541	42.41	120-130	42.54	508.5	89.8,89.8
140	64.11	34.25	4.912	27.34	66.15	32.73	5.095	32.41	130-140	29.81	538.3	95.1,95.1
150	44.49	22.14	4.450	17.62	43.34	20.94	4.994	20.37	140-150	17.46	555.8	98.2,98.2
160	23.58	10.76	3.940	9.275	22.44	11.81	4.991	8.334	150-160	7.786	563.6	99.6,99.6
170	6.967	3.389	2.681	3.090	6.658	4.364	3.904	3.145	160-170	2.259	565.8	100,100
180	0.0742	1.843	5.087	1.662	0.6846	1.607	4.634	2.450	170-180	0.2776	566.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

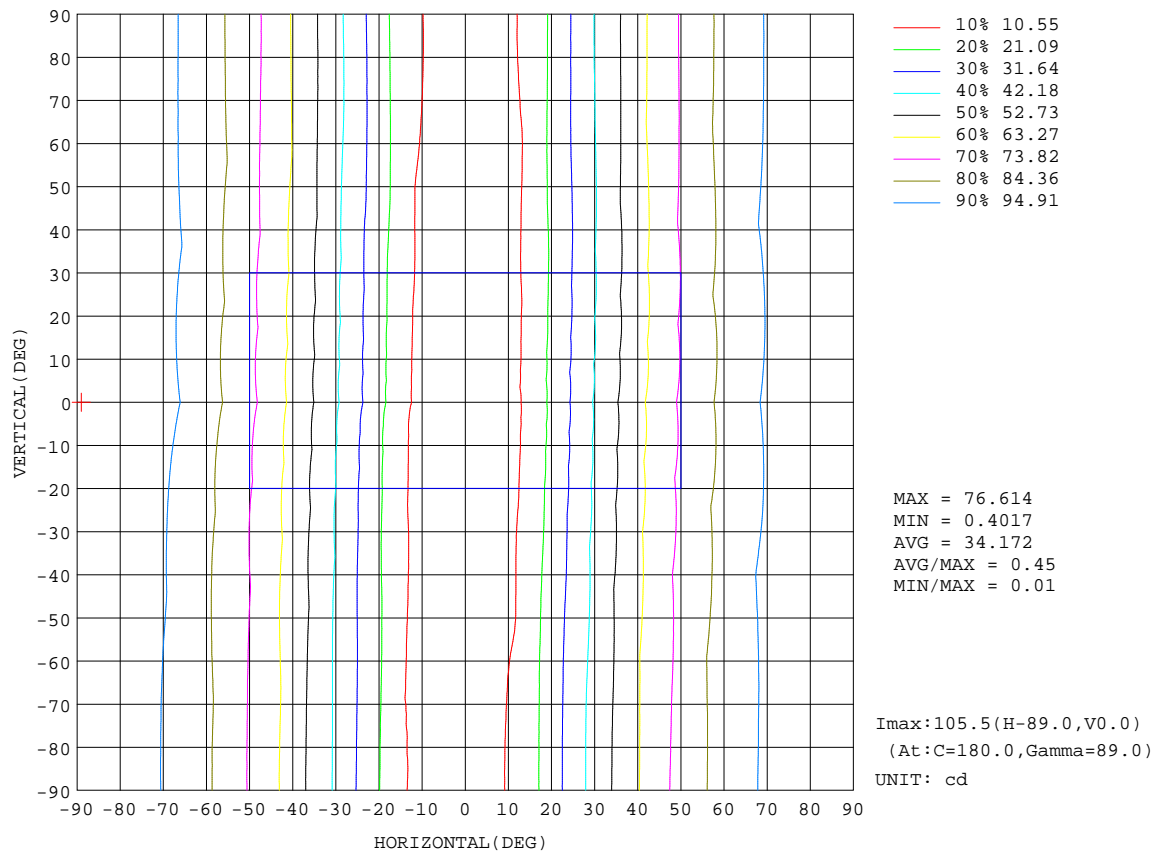
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 29.0DEG
 Operators:CS01
 Test Date:2021-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 50.2%
 Test Distance:26.000m [K=1.0000]
 Remarks: B-15M-14W(SMD 4000K)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

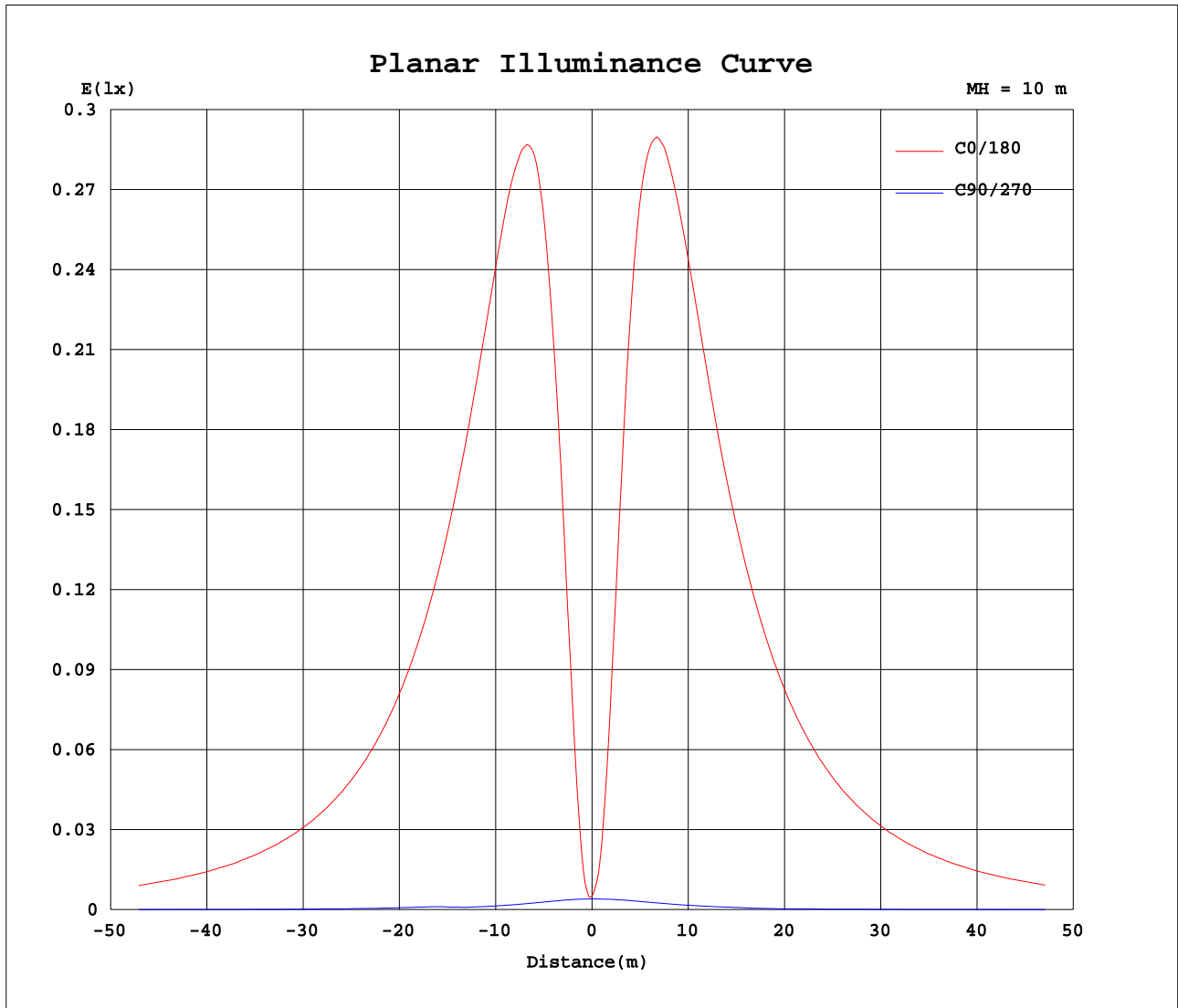
Test:U:220.13V I:0.0710A P:13.668W PF:0.8744 Freq:50.01Hz Lamp Flux:566.116x1 lm		
NAME: B-15M SMD 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 29.0DEG
Operators:CS01
Test Date:2021-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 50.2%
Test Distance:26.000m [K=1.0000]
Remarks: B-15M-14W(SMD 4000K)

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 29.0DEG
Operators: CS01
Test Date: 2021-05-08

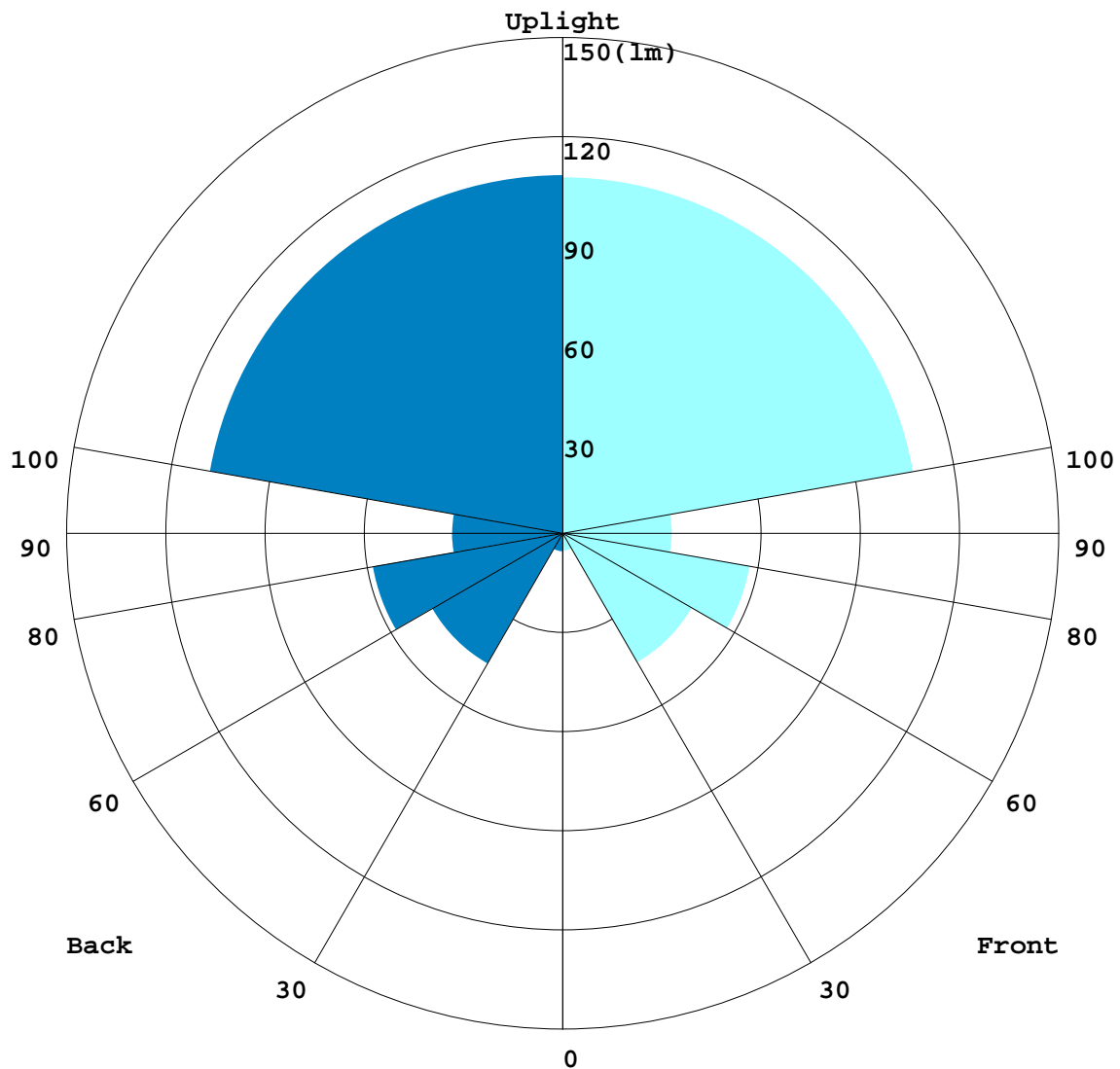
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 50.2%
Test Distance: 26.000m [K=1.0000]
Remarks: B-15M-14W(SMD 4000K)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LCS REPORT

Test:U:220.13V I:0.0710A P:13.668W PF:0.8744 Freq:50.01Hz Lamp Flux:566.116x1 lm		
NAME: B-15M SMD 4000K	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: 29.0DEG
Operators:CS01
Test Date:2021-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 50.2%
Test Distance:26.000m [K=1.0000]
Remarks: B-15M-14W(SMD 4000K)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

BUG REPORT

Test:U:220.13V I:0.0710A P:13.668W PF:0.8744 Freq:50.01Hz Lamp Flux:566.116x1 lm		
NAME: B-15M SMD 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: KLED	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5.3006	0.9
FM - Front-Medium(30-60)	45.15	8.0
FH - Front-High(60-80)	57.48	10.2
FVH - Front-Very High(80-90)	33.009	5.8
Total Forward Light	281.66	49.8

BL - Back-Low(0-30)	5.4931	1.0
BM - Back-Medium(30-60)	45.521	8.0
BH - Back-High(60-80)	58.237	10.3
BVH - Back-Very High(80-90)	33.45	5.9
Total Back Light	284.45	50.2

UL - Uplight-Low(90-100)	66.488	11.7
UH - Uplight-High(100-180)	215.99	38.2
Total Up Light	282.47	49.9

BUG(Back,Up,Glare) Rating	B0-U3-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	142.7	141.75	284.45
Street Side	140.94	140.72	281.66

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 29.0DEG
 Operators:CS01
 Test Date:2021-05-08

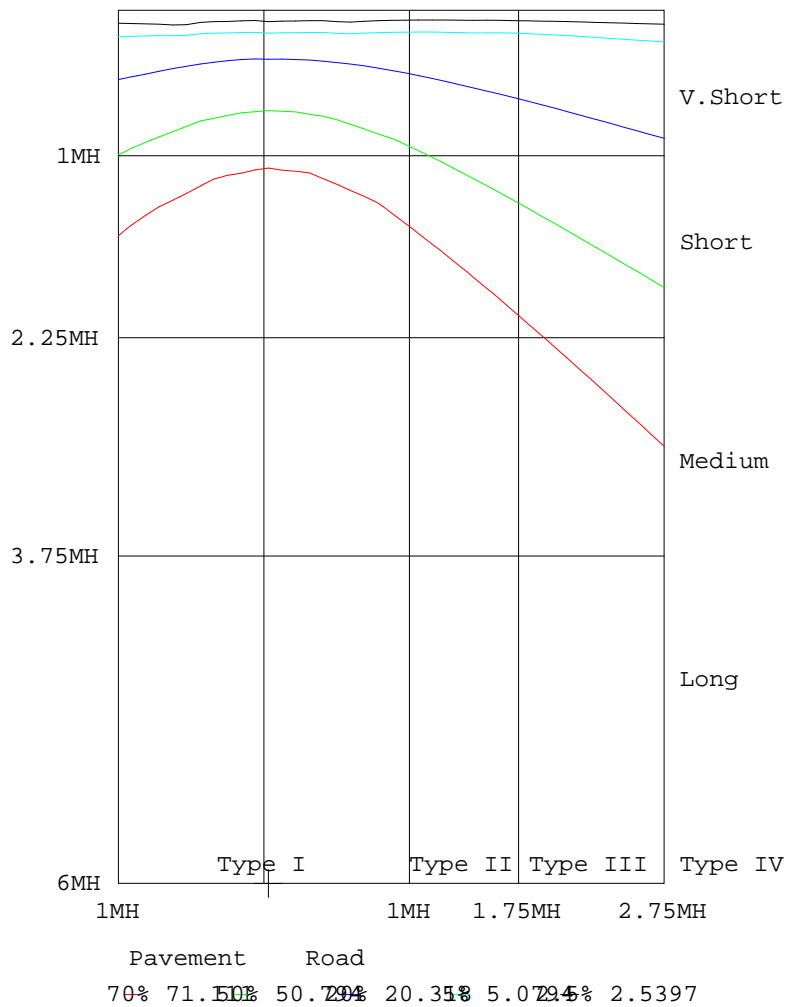
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 50.2%
 Test Distance:26.000m [K=1.0000]
 Remarks: B-15M-14W(SMD 4000K)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ROAD ISOCANDELA REPORT

Test:U:220.13V I:0.0710A P:13.668W PF:0.8744 Freq:50.01Hz Lamp Flux:566.116x1 lm		
NAME: B-15M SMD 4000K	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: 29.0DEG
 Operators:CS01
 Test Date:2021-05-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 50.2%
 Test Distance:26.000m [K=1.0000]
 Remarks: B-15M-14W(SMD 4000K)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.13V I:0.0710A P:13.668W PF:0.8744 Freq:50.01Hz Lamp Flux:566.116x1 lm																			
NAME: B-15M SMD 4000K										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	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
5	1.55	1.52	1.26	0.84	0.67	0.54	0.54	0.56	0.81	0.78	1.11	1.35	2.14	2.03	1.68	1.22	0.97	0.67	0.55
10	6.72	6.39	4.88	2.90	1.58	0.67	0.54	0.65	1.70	2.62	4.32	5.88	7.44	7.07	5.39	3.34	1.91	0.97	0.56
15	14.9	14.2	11.0	6.67	3.39	1.12	0.54	0.82	3.73	6.11	9.85	13.1	15.9	15.1	11.6	7.11	3.77	1.45	0.57
20	25.0	23.9	18.7	11.5	6.02	1.66	0.54	1.24	6.56	10.6	16.9	22.0	26.2	25.0	19.5	12.0	6.38	2.09	0.57
25	35.7	34.3	27.1	17.3	9.24	2.60	0.54	1.81	10.17	16.0	24.6	31.6	36.8	35.2	27.9	17.7	9.59	2.94	0.58
30	46.4	44.5	35.7	23.3	12.8	3.69	0.54	2.69	14.2	21.6	32.4	41.2	46.9	45.2	36.4	23.6	13.0	4.03	0.59
35	56.0	54.2	44.1	29.1	16.7	4.93	0.54	3.50	18.5	27.1	40.0	50.2	56.6	54.7	44.5	29.5	16.7	5.18	0.61
40	65.2	63.1	51.7	34.9	20.4	6.23	0.54	4.47	22.9	32.7	47.0	58.4	65.6	63.5	52.0	35.0	20.4	6.39	0.63
45	73.3	71.3	58.7	40.1	24.1	7.62	0.54	5.41	27.1	37.8	53.5	65.8	74.2	71.8	59.0	40.2	24.1	7.75	0.64
50	80.9	78.7	65.0	44.9	27.5	9.08	0.54	6.43	31.2	42.2	59.3	72.7	82.2	79.4	65.4	44.9	27.8	9.14	0.66
55	87.6	85.2	70.9	49.2	30.7	10.3	0.68	7.40	34.9	46.4	64.5	78.8	89.1	86.4	71.3	49.4	30.8	10.4	0.67
60	93.6	91.1	75.8	52.9	33.6	11.8	1.09	8.37	38.2	50.0	69.1	84.2	95.6	92.6	76.6	53.3	33.6	11.5	0.55
65	98.9	96.4	80.1	56.2	36.1	12.9	1.13	9.09	41.0	53.1	73.0	89.1	101	97.9	81.2	56.6	36.0	12.4	0.55
70	103	101	83.7	58.9	38.1	13.7	0.95	9.64	43.3	55.7	76.4	93.1	106	102	84.8	59.4	38.0	13.3	0.56
75	107	104	86.7	61.1	39.8	14.5	0.77	10.0	45.1	57.6	79.0	96.1	109	106	87.6	61.4	39.5	13.8	0.57
80	109	106	88.8	62.6	41.0	15.0	0.77	10.4	46.4	59.1	80.8	98.2	111	108	89.6	62.9	40.6	14.3	0.57
85	111	108	90.0	63.6	41.6	15.3	0.58	10.6	47.1	59.8	81.8	99.5	113	109	90.8	63.7	41.1	14.5	0.58
90	111	108	90.5	64.0	41.8	15.4	0.57	10.5	47.3	60.1	82.3	100	113	110	91.0	64.0	41.1	14.4	0.59
95	111	108	90.3	63.9	41.7	15.4	0.58	10.4	46.9	60.0	82.0	99.8	113	109	90.7	63.5	40.9	14.3	0.73
100	110	107	89.1	63.0	41.2	15.1	0.59	10.2	46.1	59.1	80.9	98.5	111	108	89.3	62.6	40.1	13.7	0.95
105	107	105	87.3	61.6	40.2	14.6	1.68	9.76	44.7	57.6	79.2	96.3	109	105	87.3	60.9	38.7	13.1	1.41
110	104	101	84.6	59.6	38.8	14.2	3.08	9.58	43.0	55.7	76.6	93.2	105	102	84.4	58.6	36.8	12.2	2.00
115	99.2	96.7	81.2	57.0	36.8	13.5	4.53	8.98	40.6	53.4	73.4	89.3	101	97.7	80.6	55.6	34.6	11.3	2.68
120	94.1	91.5	76.5	53.7	34.4	12.3	4.98	8.07	37.6	50.2	69.6	84.5	96.1	92.6	76.0	52.1	31.9	10.2	3.27
125	87.8	85.3	71.1	49.6	31.5	11.0	4.96	7.34	33.1	46.4	64.7	79.1	90.1	86.7	70.8	48.0	29.0	9.02	3.91
130	80.8	78.2	64.8	45.0	28.0	9.72	4.94	6.65	28.0	41.9	59.0	72.5	82.8	79.6	64.8	43.6	25.6	7.74	4.54
135	72.8	70.3	58.0	39.8	24.0	8.14	4.93	5.78	23.4	35.4	52.7	65.1	74.7	71.9	58.1	38.5	22.0	6.56	5.01
140	64.1	61.7	50.5	34.2	19.9	6.78	4.91	4.65	19.5	27.3	45.1	57.3	66.2	63.3	50.7	32.7	18.4	5.54	5.10
145	54.6	52.5	42.5	28.2	16.1	5.60	4.72	3.87	15.6	21.3	35.0	47.3	55.9	53.4	41.9	26.5	14.8	4.81	4.99
150	44.5	42.8	34.0	22.1	12.2	4.48	4.45	3.36	12.0	17.6	26.4	35.8	43.3	41.8	32.8	20.9	11.6	4.36	4.99
155	33.9	32.5	25.6	16.1	8.96	3.54	4.09	2.93	8.81	13.3	20.6	26.5	31.8	30.9	25.1	16.2	9.39	4.18	4.99
160	23.6	22.5	17.2	10.8	6.26	2.94	3.94	2.86	6.86	9.27	14.4	19.0	22.4	22.0	18.0	11.8	7.41	4.05	4.99
165	14.0	13.2	10.6	6.83	4.28	2.57	4.26	2.63	5.10	6.04	8.99	11.7	13.3	13.2	11.2	7.98	5.41	3.57	4.54
170	6.97	7.06	5.45	3.39	2.43	1.79	2.68	1.75	2.97	3.09	4.71	6.44	6.66	6.93	5.92	4.36	3.27	2.75	3.90
175	2.89	2.95	2.05	1.63	1.55	1.54	2.32	1.57	2.02	1.61	2.47	2.86	2.66	2.57	2.30	2.32	2.06	2.34	3.59
180	0.07	0.98	1.36	1.84	3.34	3.61	5.09	3.37	3.45	1.66	0.74	1.05	0.68	0.80	0.71	1.61	1.91	2.60	4.63

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 29.0DEG
Operators:CS01
Test Date:2021-05-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 50.2%
Test Distance:26.000m [K=1.0000]
Remarks: B-15M-14W(SMD 4000K)

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.13V I:0.0710A P:13.668W PF:0.8744 Freq:50.01Hz Lamp Flux:566.116x1 lm		
NAME: B-15M SMD 4000K	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	0.54	0.54	0.54	0.54	0.54														
5	0.67	1.25	1.22	1.55	1.87														
10	0.94	2.19	3.07	4.82	6.42														
15	1.24	4.25	6.49	10.3	13.6														
20	1.64	7.13	11.0	17.3	22.5														
25	2.30	10.66	16.3	24.8	31.9														
30	3.06	14.6	21.8	32.5	41.1														
35	3.93	18.9	27.4	39.9	49.7														
40	4.84	23.2	32.9	46.9	57.9														
45	5.92	27.6	37.9	53.4	65.5														
50	6.98	31.9	42.5	59.4	72.6														
55	7.98	35.7	46.8	64.8	79.0														
60	9.04	39.2	50.8	69.7	84.8														
65	9.88	42.3	54.0	74.0	89.7														
70	10.5	44.8	56.7	77.4	93.9														
75	11.1	46.7	58.8	80.1	97.1														
80	11.5	48.2	60.4	82.0	99.2														
85	11.8	49.1	61.3	83.1	101														
90	11.8	49.3	61.6	83.5	101														
95	11.7	49.0	61.3	83.1	101														
100	11.3	48.1	60.5	82.0	99.3														
105	10.7	46.5	59.1	80.2	97.1														
110	10.00	44.4	56.8	77.5	94.0														
115	9.37	41.8	53.9	73.9	89.7														
120	8.73	38.7	50.6	69.7	85.2														
125	8.03	35.2	46.8	65.0	79.6														
130	7.37	31.6	42.4	59.6	73.3														
135	6.43	27.2	37.7	53.5	66.1														
140	5.59	22.9	32.4	46.7	58.1														
145	4.95	18.2	26.6	39.3	49.4														
150	4.20	13.5	20.4	31.1	39.6														
155	3.53	9.02	14.1	22.3	29.6														
160	3.33	6.03	8.33	13.6	19.6														
165	3.27	4.54	5.08	7.89	9.39														
170	2.63	3.54	3.14	4.18	5.46														
175	2.42	2.99	2.27	2.33	2.57														
180	3.08	3.81	2.45	1.82	1.73														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 29.0DEG
Operators:CS01
Test Date:2021-05-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 50.2%
Test Distance:26.000m [K=1.0000]
Remarks: B-15M-14W(SMD 4000K)