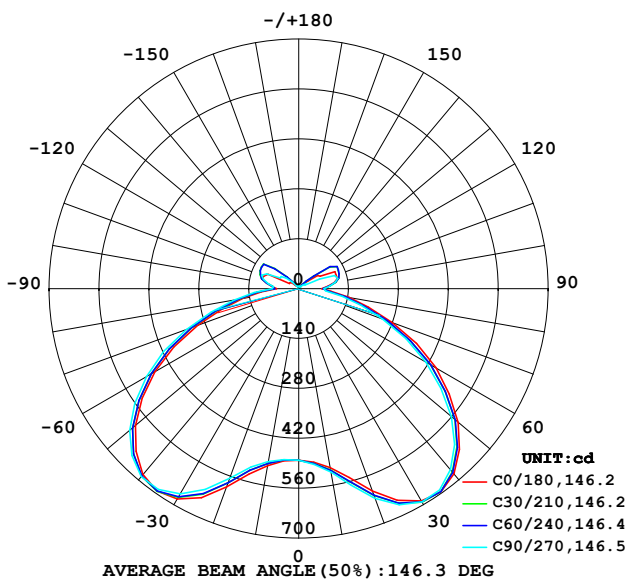
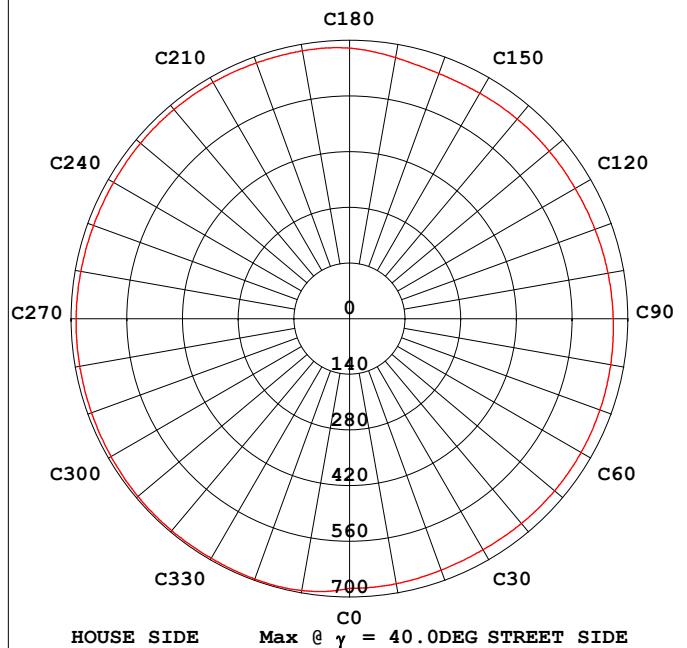


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.46V I:0.1766A P:38.745W PF:0.9952 Freq:49.99Hz Lamp Flux:3042.01x1 lm		
NAME: SKY1 38W 2700K	TYPE: STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JOLIET PHOTOELECTRIC	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.51 lm/W			
MODEL	COB	I _{max} (cd)	696.5	η street_up (%)	7.2
NOMINAL POWER (W)	38	LOR (%)	100.0	η street_down (%)	41.0
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3042	η house_up (%)	7.0
NOMINAL FLUX (lm)	3042.01	MAXIMUM @ (C, γ)	345,40.0	η house_down (%)	44.9
LAMPS INSIDE	1	η up (%)	14.2	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	219.5	η down (%)	85.8	SLI	19.877

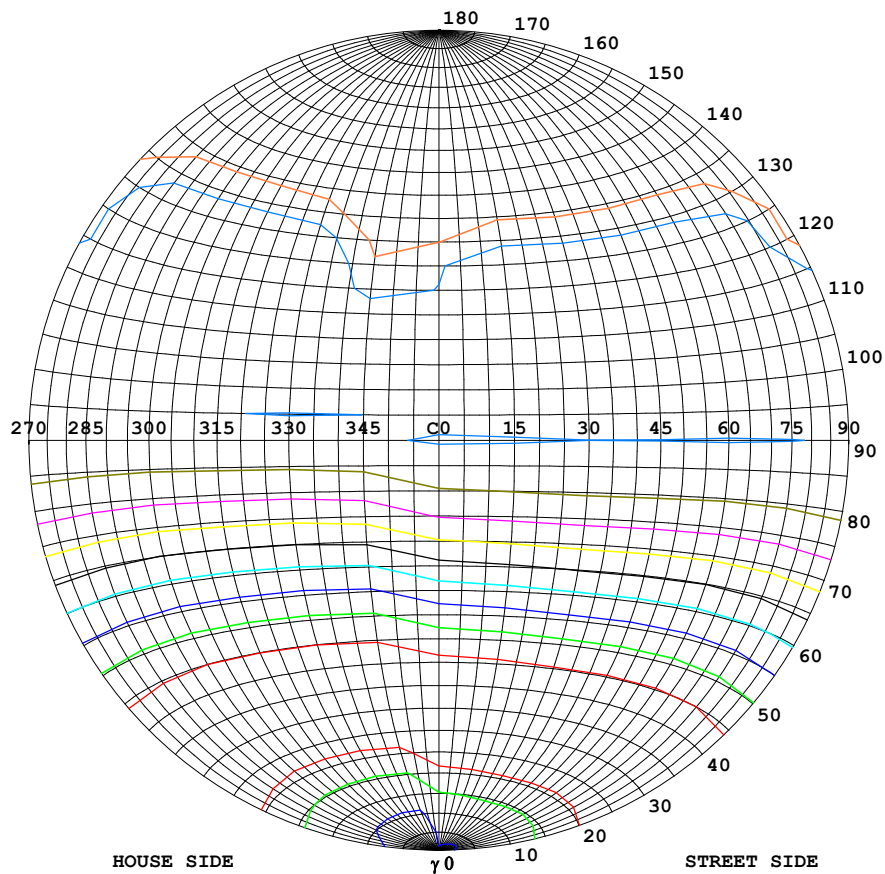
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:35.3℃
Operators:Mr.Z
Test Date:08 September 2023

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:9.150m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.46V I:0.1766A P:38.745W PF:0.9952 Freq:49.99Hz Lamp Flux:3042.01x1 lm		
NAME: SKY1 38W 2700K	TYPE: STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JOLIET PHOTOELECTRIC	SUR.:	Shielding Angle:



Classification:

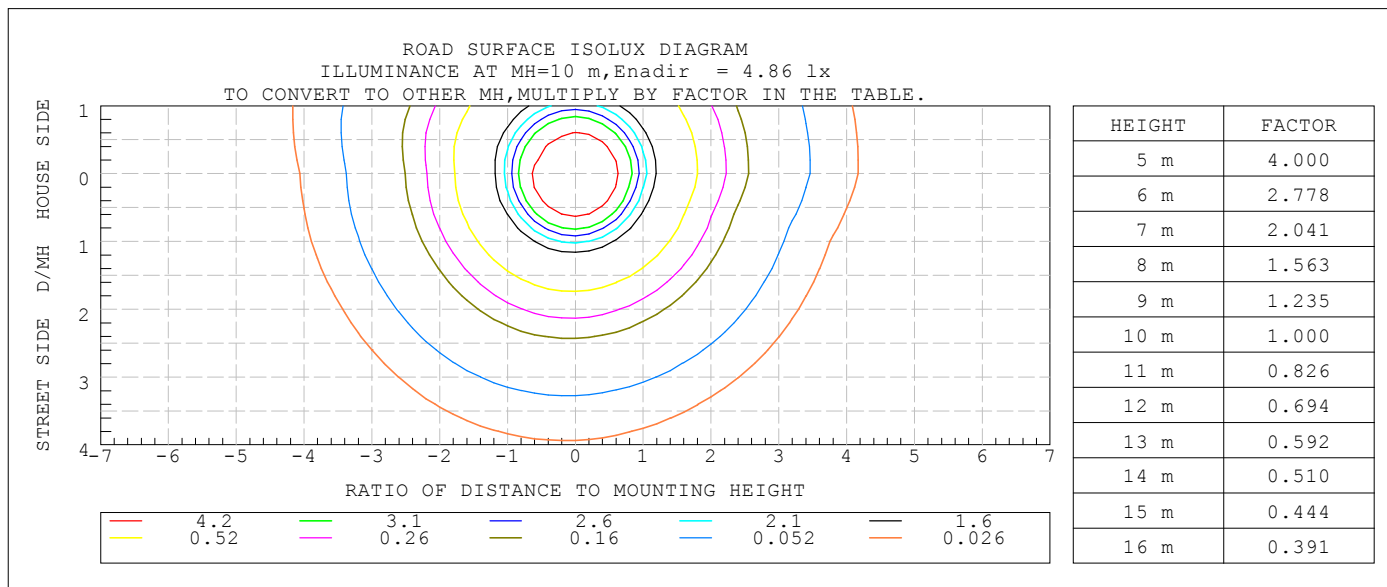
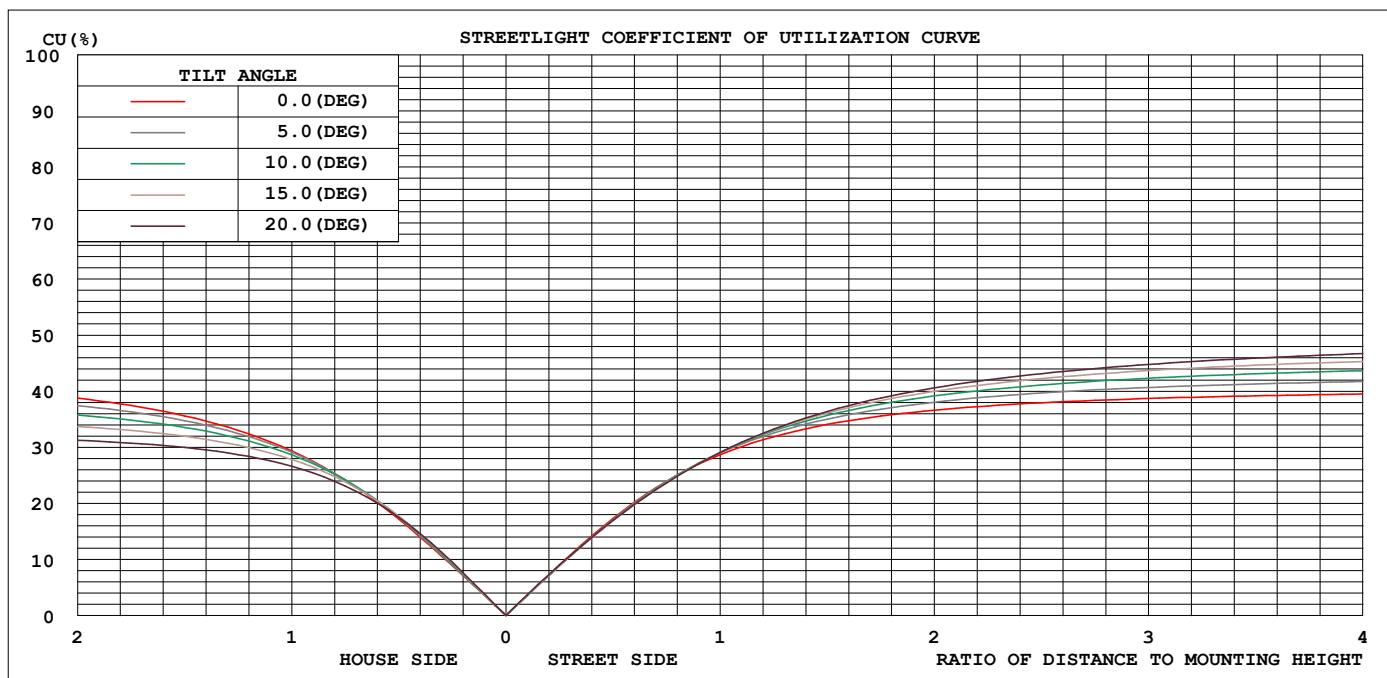
IES:Type VS - Very Short
 CIE:Narrow - Short
 IES:Semi cut-off
 CIE:Semi-cut-off
 Max.At80:63.25cd/klm
 Max.At90:27.56cd/klm
 Max.80-90:63.25cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	696
90%	627
80%	557
70%	488
60%	418
50%	348
40%	279
30%	209
20%	139
10%	70
5%	35

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:35.3°C
 Operators:Mr.Z
 Test Date:08 September 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:9.150m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 35.3°C
Operators: Mr.Z
Test Date: 08 September 2023

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.460
Humidity: 65.0%
Test Distance: 9.150m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.46V I:0.1766A P:38.745W PF:0.9952 Freq:49.99Hz Lamp Flux:3042.01x1 lm		
NAME: SKY1 38W 2700K	TYPE: STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JOLIET PHOTOELECTRIC	SUR.:	Shielding Angle:

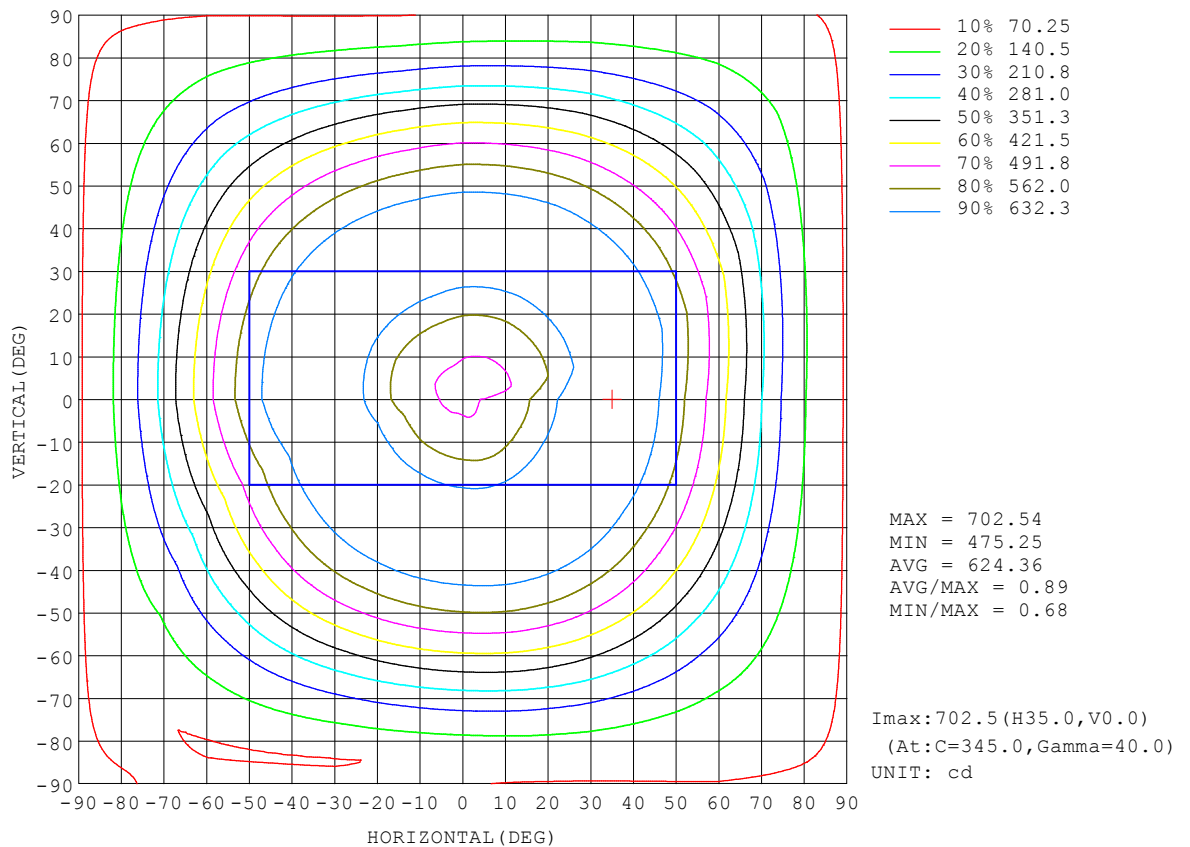
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	509.9	518.1	522.5	528.0	504.3	498.0	492.9	486.5	0- 10	47.18	47.18	1.55,1.55
20	603.7	617.8	626.1	636.0	591.8	579.7	566.1	554.4	10- 20	156.4	203.6	6.69,6.69
30	687.6	692.6	691.1	695.0	681.7	676.8	664.4	662.5	20- 30	298.5	502.1	16.5,16.5
40	677.6	673.0	663.0	656.0	680.6	687.0	687.7	695.6	30- 40	430.5	932.5	30.7,30.7
50	583.7	573.2	559.3	549.4	598.4	609.4	618.9	629.6	40- 50	493.0	1426	46.9,46.9
60	445.0	427.3	412.3	400.4	465.9	476.9	492.3	502.8	50- 60	468.4	1894	62.3,62.3
70	279.5	262.7	250.8	237.2	301.1	317.9	335.9	349.3	60- 70	369.5	2263	74.4,74.4
80	143.3	132.2	124.6	116.0	159.2	170.7	182.5	191.8	70- 80	231.1	2495	82,82
90	65.07	69.18	71.00	73.29	62.42	68.70	75.11	82.79	80- 90	115.7	2610	85.8,85.8
100	101.6	106.0	104.6	108.2	91.72	91.72	87.55	87.49	90-100	89.75	2700	88.8,88.8
110	112.6	121.2	107.7	120.6	104.6	116.1	111.5	114.1	100-110	114.9	2815	92.5,92.5
120	70.26	125.4	19.80	121.3	30.12	120.6	59.39	119.6	110-120	111.2	2926	96.2,96.2
130	33.98	55.13	15.86	47.73	25.45	88.21	46.19	102.3	120-130	76.74	3003	98.7,98.7
140	9.673	11.83	8.068	10.45	10.21	21.98	15.08	29.02	130-140	26.83	3030	99.6,99.6
150	6.420	6.264	6.307	6.384	6.693	7.728	7.332	8.323	140-150	6.390	3036	99.8,99.8
160	6.784	6.715	6.849	6.937	6.906	6.979	6.994	6.988	150-160	3.155	3039	99.9,99.9
170	7.563	7.482	7.674	7.692	7.564	7.498	7.630	7.569	160-170	2.051	3041	100,100
180	7.930	7.787	7.999	7.918	7.936	7.781	7.999	7.918	170-180	0.7388	3042	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:35.3°C
 Operators:Mr.Z
 Test Date:08 September 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:9.150m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

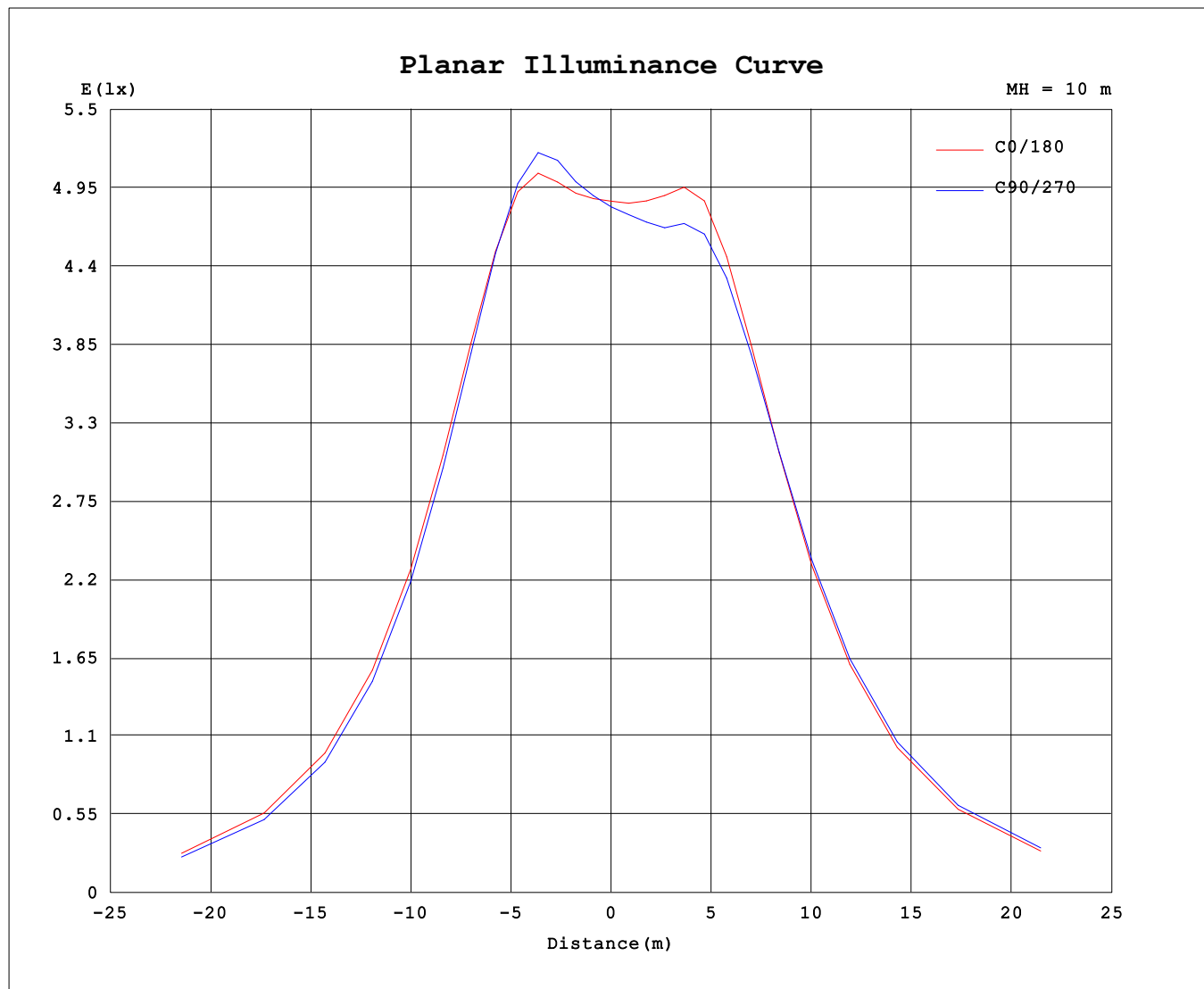
Test:U:220.46V I:0.1766A P:38.745W PF:0.9952 Freq:49.99Hz Lamp Flux:3042.01x1 lm		
NAME: SKY1 38W 2700K	TYPE: STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JOLIET PHOTOELECTRIC	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:35.3°C
Operators:Mr.Z
Test Date:08 September 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:9.150m [K=1.0000]
Remarks:

Planar Illuminance Curve



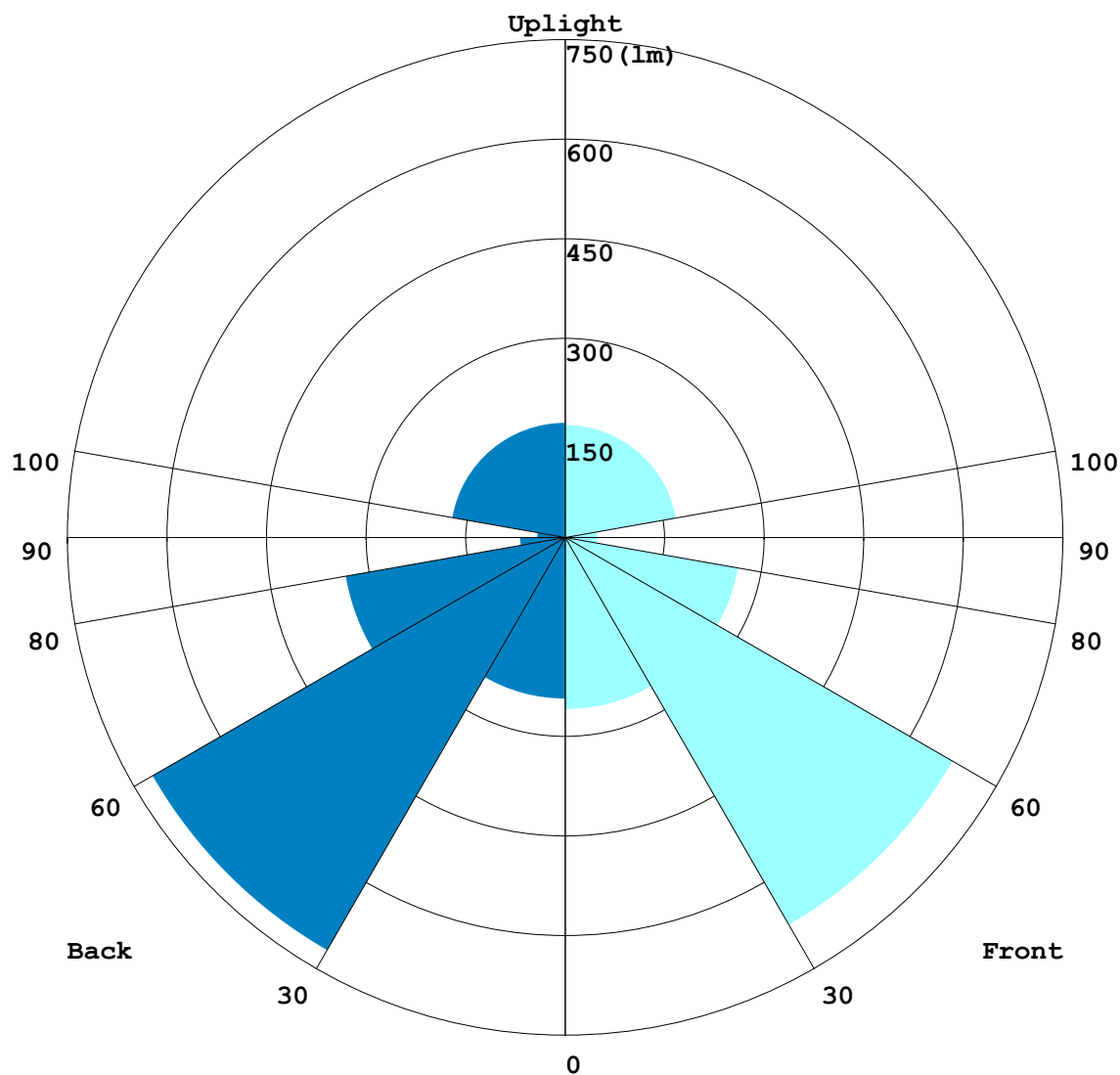
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 35.3°C
Operators: Mr.Z
Test Date: 08 September 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.460
Humidity: 65.0%
Test Distance: 9.150m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.46V I:0.1766A P:38.745W PF:0.9952 Freq:49.99Hz Lamp Flux:3042.01x1 lm		
NAME: SKY1 38W 2700K	TYPE: STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JOLIET PHOTOELECTRIC	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:35.3°C
Operators:Mr.Z
Test Date:08 September 2023

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:9.150m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.46V I:0.1766A P:38.745W PF:0.9952 Freq:49.99Hz Lamp Flux:3042.01x1 lm		
NAME: SKY1 38W 2700K	TYPE: STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JOLIET PHOTOELECTRIC	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	259.12	8.5
FM - Front-Medium(30-60)	673.98	22.2
FH - Front-High(60-80)	264.62	8.7
FVH - Front-Very High(80-90)	48.029	1.6
Total Forward Light	1463.3	48.1

BL - Back-Low(0-30)	242.98	8.0
BM - Back-Medium(30-60)	717.82	23.6
BH - Back-High(60-80)	336.01	11.0
BVH - Back-Very High(80-90)	67.691	2.2
Total Back Light	1578.7	51.9

UL - Uplight-Low(90-100)	89.747	3.0
UH - Uplight-High(100-180)	342	11.2
Total Up Light	431.75	14.2

BUG(Back,Up,Glare) Rating	B1-U3-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1364.5	214.24	1578.7
Street Side	1245.8	217.51	1463.3

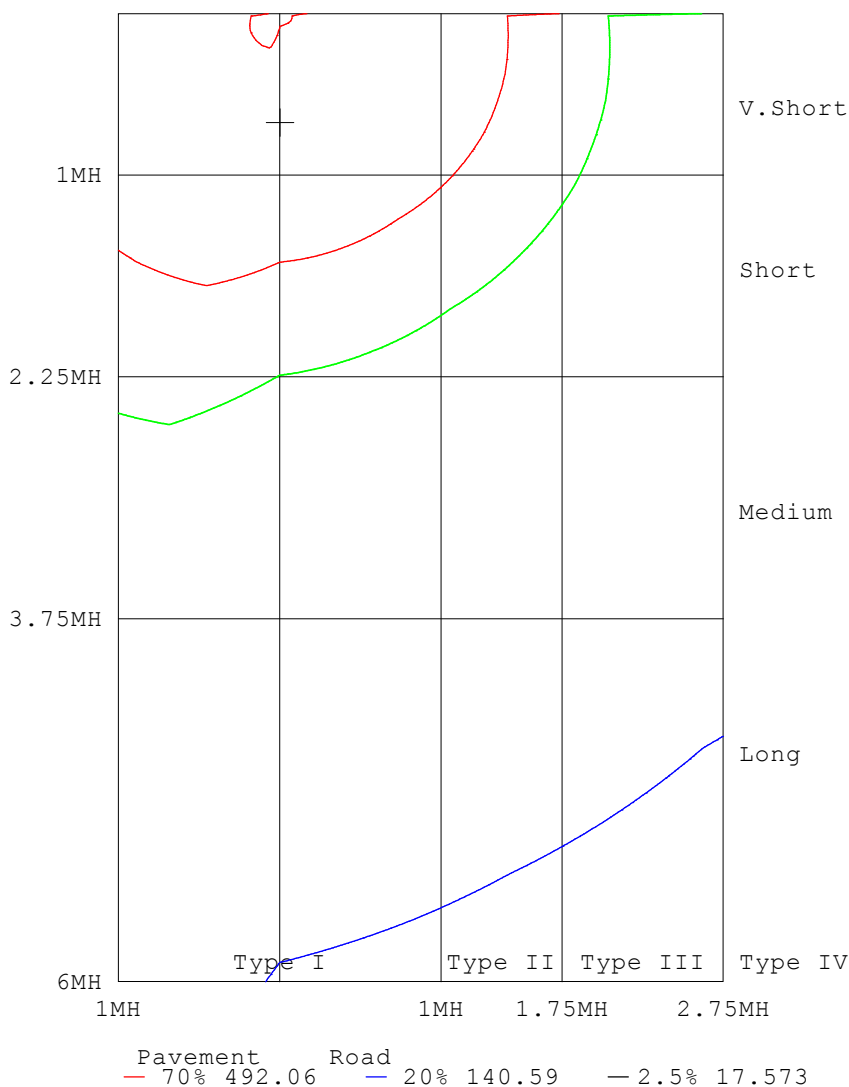
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:35.3℃
Operators:Mr.Z
Test Date:08 September 2023

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:9.150m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.46V I:0.1766A P:38.745W PF:0.9952 Freq:49.99Hz Lamp Flux:3042.01x1 lm		
NAME: SKY1 38W 2700K	TYPE: STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JOLIET PHOTOELECTRIC	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:35.3°C
Operators:Mr.Z
Test Date:08 September 2023

γ Range: 0 - 180DEG
γ Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:9.150m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.46V I:0.1766A P:38.745W PF:0.9952 Freq:49.99Hz Lamp Flux:3042.01x1 lm		
NAME: SKY1 38W 2700K	TYPE: STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JOLIET PHOTOELECTRIC	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	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
5	489	491	492	493	493	493	495	497	497	497	497	496	485	484	482	483	483	482	482
10	510	514	517	518	518	520	523	526	527	528	527	525	504	501	498	498	498	497	493
15	549	556	561	562	561	564	571	575	578	579	579	575	538	532	527	528	528	525	518
20	604	611	617	618	617	619	626	630	635	636	636	633	592	585	579	580	580	575	566
25	655	661	664	665	664	665	669	672	675	677	676	675	647	641	636	636	635	630	621
30	688	691	692	693	690	691	691	692	693	695	694	695	682	679	676	677	674	671	664
35	696	696	695	696	695	692	689	688	687	687	686	688	693	694	694	694	693	690	688
40	678	675	671	673	672	669	663	658	655	656	655	660	681	684	686	687	685	686	688
45	637	633	628	630	630	626	618	613	609	610	609	615	646	651	656	656	655	656	662
50	584	578	572	573	574	569	559	553	548	549	549	556	598	604	609	609	609	611	619
55	516	508	501	503	502	497	487	480	476	477	478	486	536	542	548	547	548	551	562
60	445	436	427	427	427	422	412	405	399	400	400	408	466	472	477	477	477	480	492
65	365	354	345	345	346	342	332	323	316	317	315	324	387	396	402	401	400	407	418
70	280	270	262	263	265	260	251	243	237	237	237	244	301	310	319	318	319	323	336
75	203	195	188	189	191	188	182	174	169	169	169	174	223	231	239	238	239	242	254
80	143	137	132	132	134	131	125	120	116	116	116	120	159	165	171	171	170	173	183
85	90.5	84.8	81.6	82.0	83.8	81.4	75.7	71.7	69.1	69.4	69.1	72.5	106	112	117	117	117	119	126
90	65.1	67.1	69.4	69.2	68.4	69.2	71.0	72.1	73.4	73.3	73.1	71.6	62.4	64.5	69.0	68.7	67.9	68.5	75.1
95	83.0	85.3	87.6	87.4	86.2	86.6	87.9	89.2	90.9	90.9	90.7	88.6	75.7	73.7	73.1	74.4	74.2	73.1	71.9
100	102	104	106	106	105	104	105	106	108	108	108	107	91.7	90.4	90.5	91.7	91.1	89.1	87.6
105	113	116	117	117	116	115	114	116	117	117	117	116	107	107	108	109	108	104	103
110	113	120	121	121	121	121	108	120	120	121	120	120	105	115	116	116	115	112	112
115	113	123	123	123	123	123	64.9	121	122	121	121	122	95.6	120	120	120	119	117	99.1
120	70.3	124	125	125	125	110	19.8	106	121	121	121	122	30.1	94.9	122	121	120	75.7	59.4
125	64.8	109	106	105	108	89.7	24.8	67.9	86.4	85.8	86.0	91.0	29.9	89.1	121	123	120	74.3	60.4
130	34.0	56.7	53.7	55.1	56.8	47.1	15.9	37.9	47.8	47.7	47.3	47.5	25.5	57.2	89.0	88.2	87.9	47.9	46.2
135	21.0	31.4	29.5	29.6	30.5	26.6	10.5	18.7	22.1	22.3	22.7	22.8	14.9	31.0	47.2	46.5	46.6	25.4	28.5
140	9.67	12.2	11.9	11.8	12.2	10.8	8.07	9.06	10.3	10.5	10.5	10.5	10.2	16.2	22.4	22.0	22.0	13.5	15.1
145	7.36	8.14	7.93	7.85	7.94	7.46	6.60	6.89	7.22	7.17	7.22	7.25	7.77	9.23	11.0	11.2	10.7	8.88	9.41
150	6.42	6.51	6.43	6.26	6.26	6.24	6.31	6.45	6.40	6.38	6.31	6.34	6.69	7.17	7.67	7.73	7.75	7.25	7.33
155	6.48	6.61	6.51	6.41	6.31	6.38	6.51	6.65	6.61	6.61	6.52	6.56	6.69	6.65	6.71	6.80	6.94	7.00	6.80
160	6.78	6.89	6.79	6.71	6.62	6.69	6.85	6.99	6.93	6.94	6.90	6.91	6.91	6.80	6.89	6.98	7.18	7.19	6.99
165	7.17	7.24	7.15	7.10	7.01	7.06	7.27	7.36	7.29	7.33	7.32	7.34	7.22	7.12	7.19	7.28	7.47	7.48	7.32
170	7.56	7.59	7.49	7.48	7.41	7.45	7.67	7.72	7.65	7.69	7.71	7.72	7.56	7.41	7.48	7.50	7.66	7.71	7.63
175	7.84	7.80	7.69	7.74	7.71	7.75	7.93	7.89	7.82	7.89	7.89	7.93	7.82	7.63	7.67	7.66	7.77	7.85	7.88
180	7.93	7.81	7.77	7.79	7.83	7.87	8.00	7.90	7.89	7.92	7.97	8.05	7.94	7.77	7.79	7.78	7.82	7.87	8.00

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:35.3℃

Operators:Mr.Z

Test Date:08 September 2023

γ Range: 0 - 180DEG

γ Interval: 5.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.460

Humidity:65.0%

Test Distance:9.150m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.46V I:0.1766A P:38.745W PF:0.9952 Freq:49.99Hz Lamp Flux:3042.01x1 lm		
NAME: SKY1 38W 2700K	TYPE: STREET LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JOLIET PHOTOELECTRIC	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	481	481	481	481	481													
5	480	479	479	479	479													
10	490	487	486	485	487													
15	514	510	510	508	511													
20	560	555	554	553	558													
25	616	611	612	613	619													
30	661	660	663	662	668													
35	687	688	692	691	694													
40	690	693	696	696	696													
45	666	670	672	672	671													
50	623	628	630	630	628													
55	567	572	573	574	570													
60	496	502	503	504	499													
65	424	429	431	431	426													
70	343	349	349	350	341													
75	260	267	266	266	254													
80	188	192	192	192	186													
85	131	135	134	133	127													
90	79.0	83.8	82.8	80.8	76.2													
95	70.7	70.2	70.6	69.3	70.3													
100	86.5	86.9	87.5	86.2	87.0													
105	104	105	106	105	104													
110	113	114	114	114	112													
115	117	117	118	119	96.6													
120	119	119	120	120	53.8													
125	120	121	121	118	39.3													
130	100	104	102	90.7	26.6													
135	51.6	54.6	53.3	46.0	15.3													
140	27.3	29.9	29.0	25.2	10.3													
145	11.8	12.4	12.3	10.9	8.30													
150	8.15	8.37	8.32	7.94	7.17													
155	6.81	6.80	6.87	6.96	6.98													
160	6.91	6.94	6.99	7.15	7.20													
165	7.21	7.24	7.30	7.47	7.52													
170	7.50	7.55	7.57	7.76	7.84													
175	7.75	7.79	7.80	7.90	8.01													
180	7.88	7.89	7.92	7.98	8.06													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:35.3℃
 Operators:Mr.Z
 Test Date:08 September 2023

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:9.150m [K=1.0000]
 Remarks: