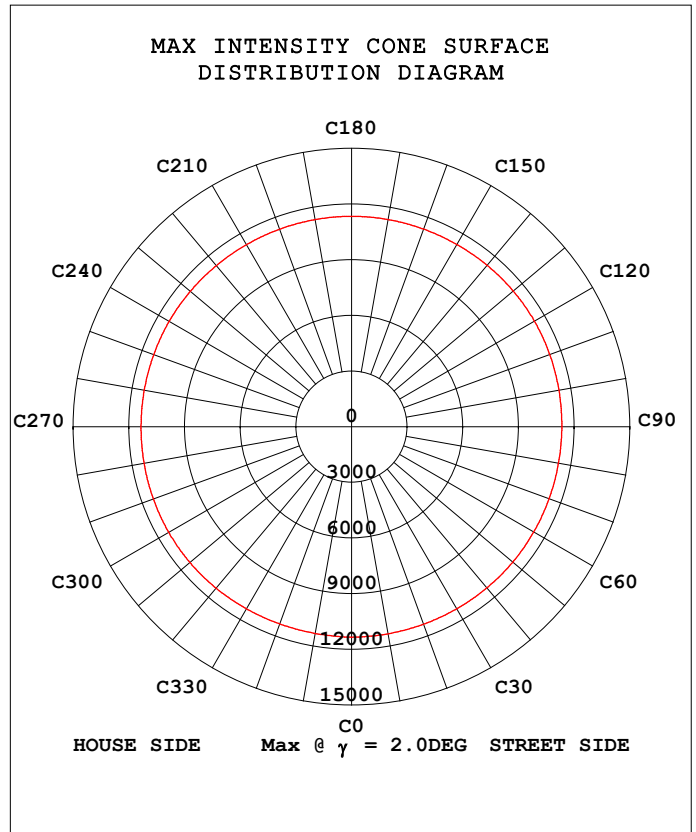
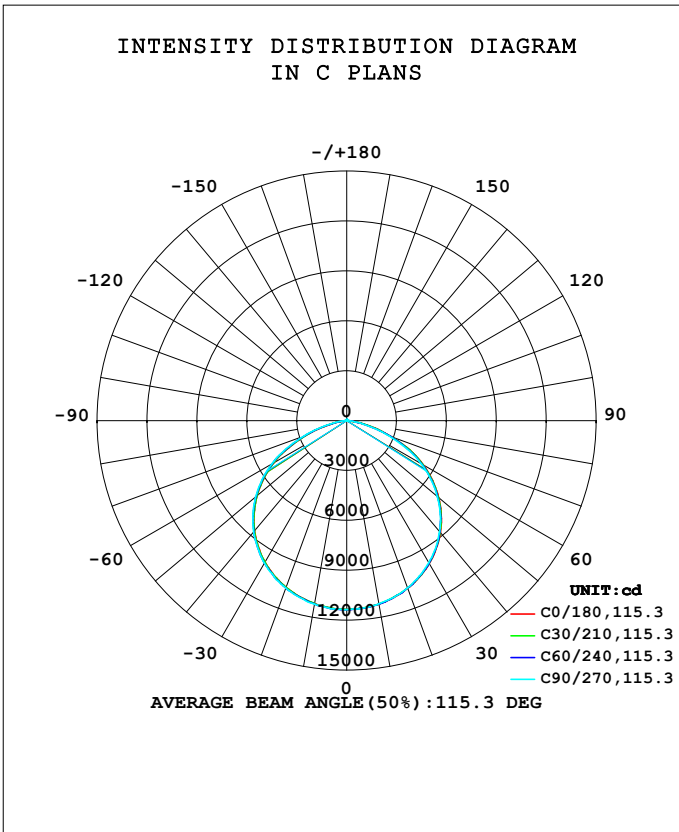


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:230.23V I:0.8242A P:185.35W PF:0.9768 Freq:49.99Hz Lamp Flux:32537.7x1 lm		
NAME: NIFO-233100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 175.55 lm/W
MODEL	233100	I _{max} (cd)	11385	η street_up (%)	0.3	
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	49.8	
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	32538	η house_up (%)	0.3	
NOMINAL FLUX (lm)	32537.7	MAXIMUM @ (C, γ)	120,2.0	η house_down (%)	49.6	
LAMPS INSIDE	1	η up (%)	0.6	76 FLASHAREA (m2)	0.05000	
TEST VOLTAGE (V)	230	η down (%)	99.4	SLI	23.077	

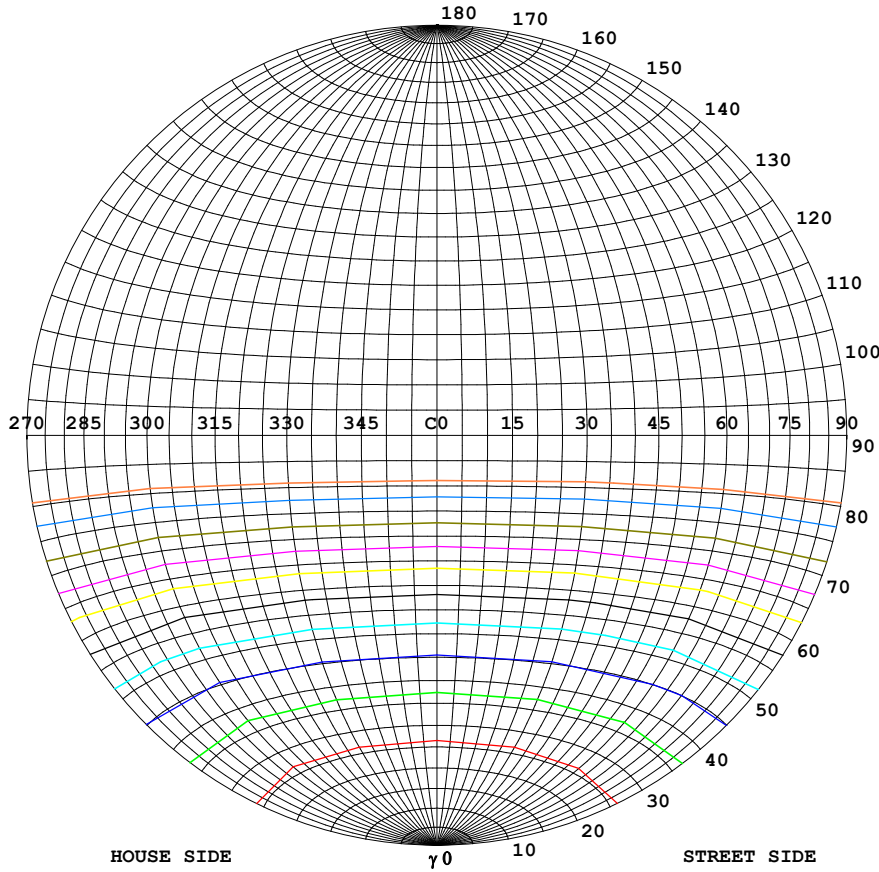


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: ADMIN
 Test Date: 2023-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity: 65.0%
 Test Distance: 9.345m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:230.23V I:0.8242A P:185.35W PF:0.9768 Freq:49.99Hz Lamp Flux:32537.7x1 lm		
NAME: NIFO-233100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:



Classification:

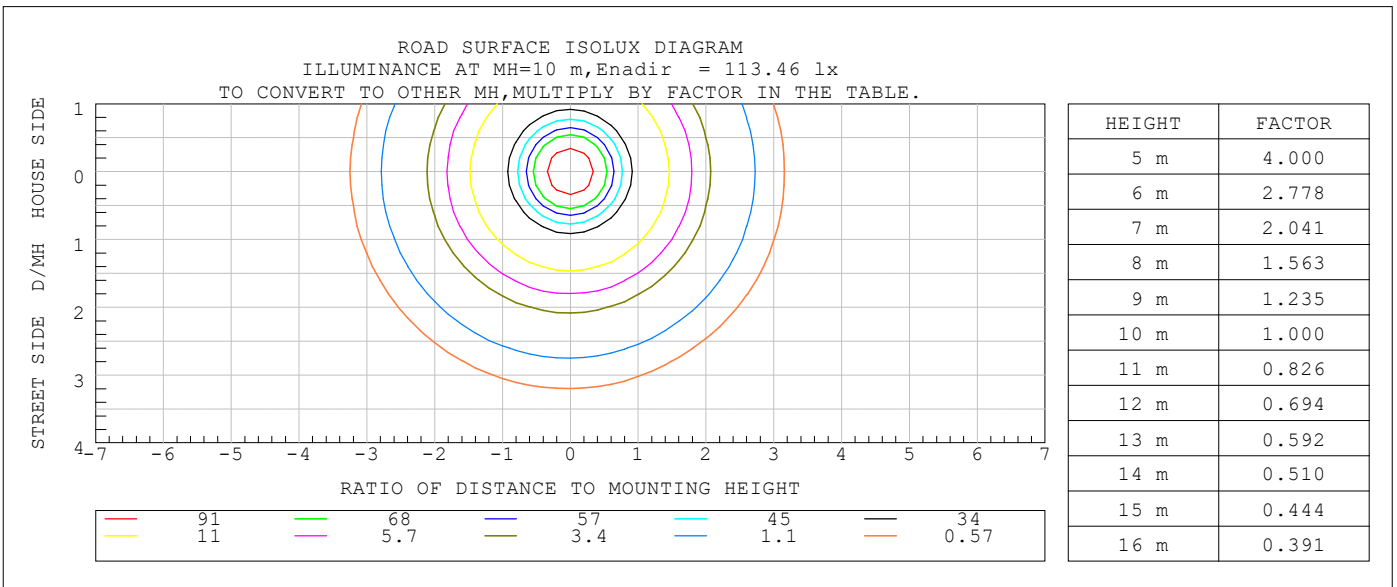
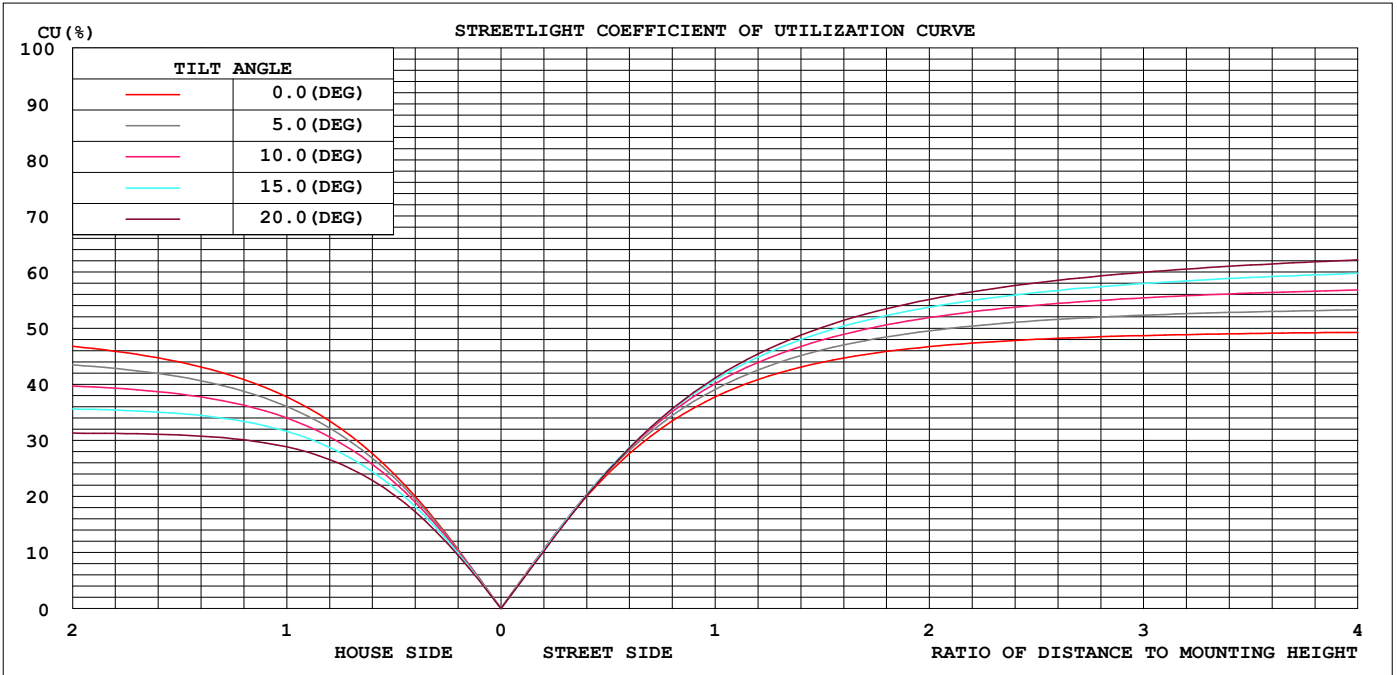
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:22.89cd/klm
 Max.At90:0.2280cd/klm
 Max.80-90:22.89cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	11385
90%	10247
80%	9108
70%	7970
60%	6831
50%	5693
40%	4554
30%	3416
20%	2277
10%	1139
5%	569

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: ADMIN
Test Date: 2023-07-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 9.345m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:230.23V I:0.8242A P:185.35W PF:0.9768 Freq:49.99Hz Lamp Flux:32537.7x1 lm		
NAME: NIFO-233100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

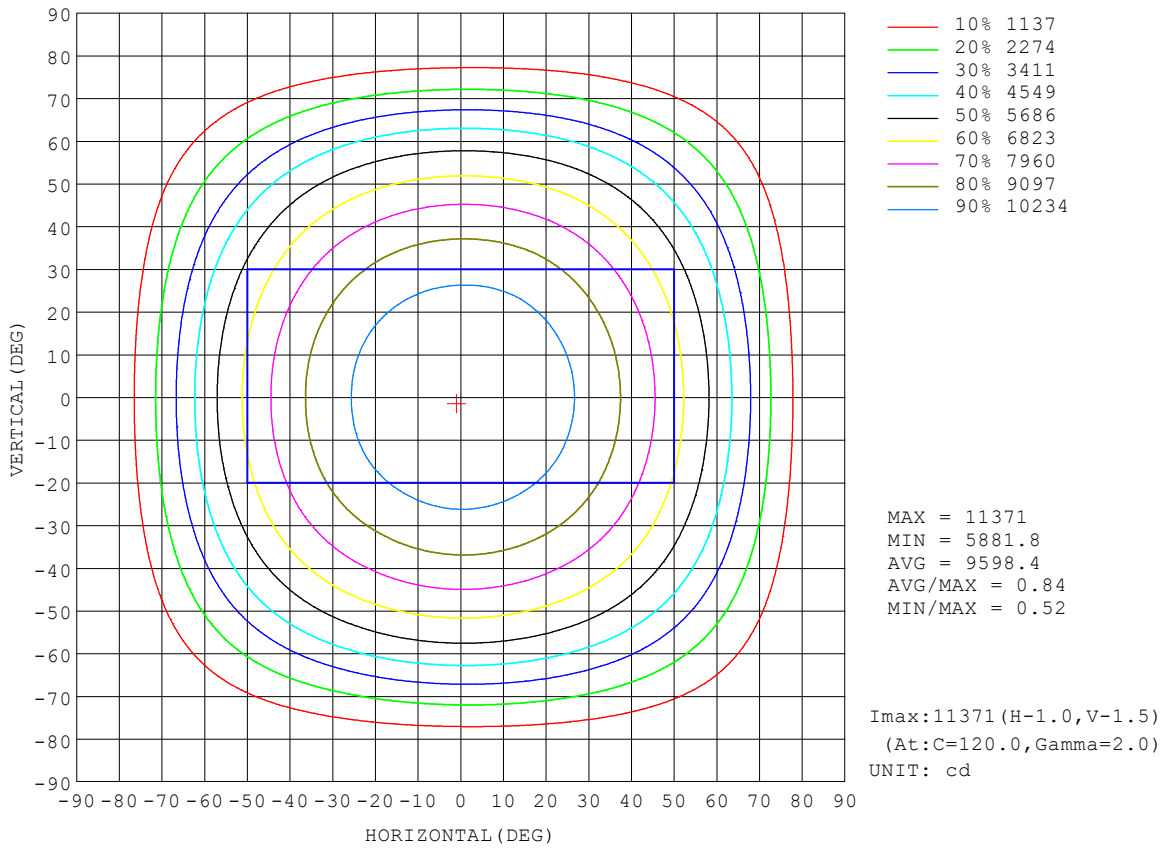
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1120	1119	1118	1118	1117	1118	1120	1120	0- 10	1076	1076	3.31,3.31
20	1072	1071	1069	1068	1067	1070	1072	1074	10- 20	3104	4180	12.8,12.8
30	992.4	991.6	987.6	984.9	982.5	986.5	989.7	992.6	20- 30	4767	8947	27.5,27.5
40	877.0	872.7	870.3	865.4	861.8	866.6	870.8	875.0	30- 40	5841	14788	45.4,45.4
50	722.7	718.2	712.6	707.3	703.6	708.5	715.7	720.3	40- 50	6140	20927	64.3,64.3
60	531.0	525.0	517.0	511.5	506.3	511.9	521.0	527.0	50- 60	5540	26467	81.3,81.3
70	290.3	283.0	272.8	266.0	262.0	265.9	276.4	283.6	60- 70	3950	30417	93.5,93.5
80	74.47	70.60	63.95	57.81	52.35	56.84	64.17	69.77	70- 80	1720	32137	98.8,98.8
90	0.7418	0.6606	0.5772	0.5964	0.7402	0.7237	0.7009	0.7180	80- 90	197.5	32335	99.4,99.4
100	1.186	1.203	1.235	1.266	1.457	1.433	1.396	1.372	90-100	10.44	32345	99.4,99.4
110	2.046	2.066	2.104	2.139	2.361	2.330	2.289	2.264	100-110	18.48	32364	99.5,99.5
120	2.957	2.975	3.013	3.049	3.279	3.251	3.211	3.188	110-120	26.34	32390	99.5,99.5
130	3.846	3.864	3.898	3.933	4.134	4.110	4.071	4.055	120-130	31.84	32422	99.6,99.6
140	4.667	4.683	4.712	4.739	4.879	4.859	4.833	4.818	130-140	33.92	32456	99.7,99.7
150	5.349	5.360	5.382	5.404	5.492	5.479	5.461	5.450	140-150	32.01	32488	99.8,99.8
160	5.900	5.907	5.922	5.942	5.988	5.980	5.971	5.963	150-160	26.28	32514	99.9,99.9
170	6.323	6.328	6.337	6.349	6.346	6.344	6.342	6.339	160-170	17.39	32532	100,100
180	6.483	6.483	6.487	6.493	6.480	6.484	6.490	6.493	170-180	6.117	32538	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

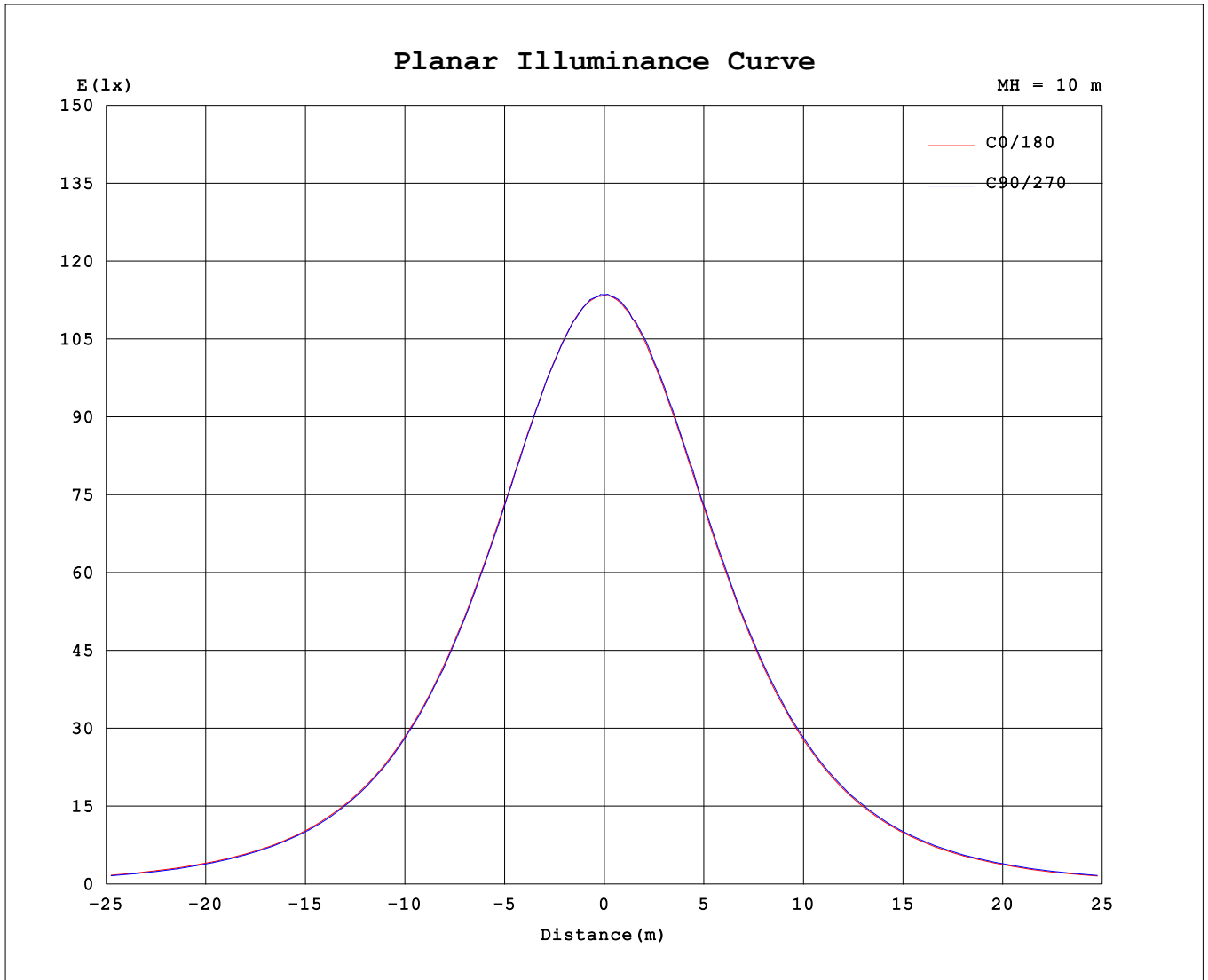
Test:U:230.23V I:0.8242A P:185.35W PF:0.9768 Freq:49.99Hz Lamp Flux:32537.7x1 lm		
NAME: NIFO-233100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks:

Planar Illuminance Curve



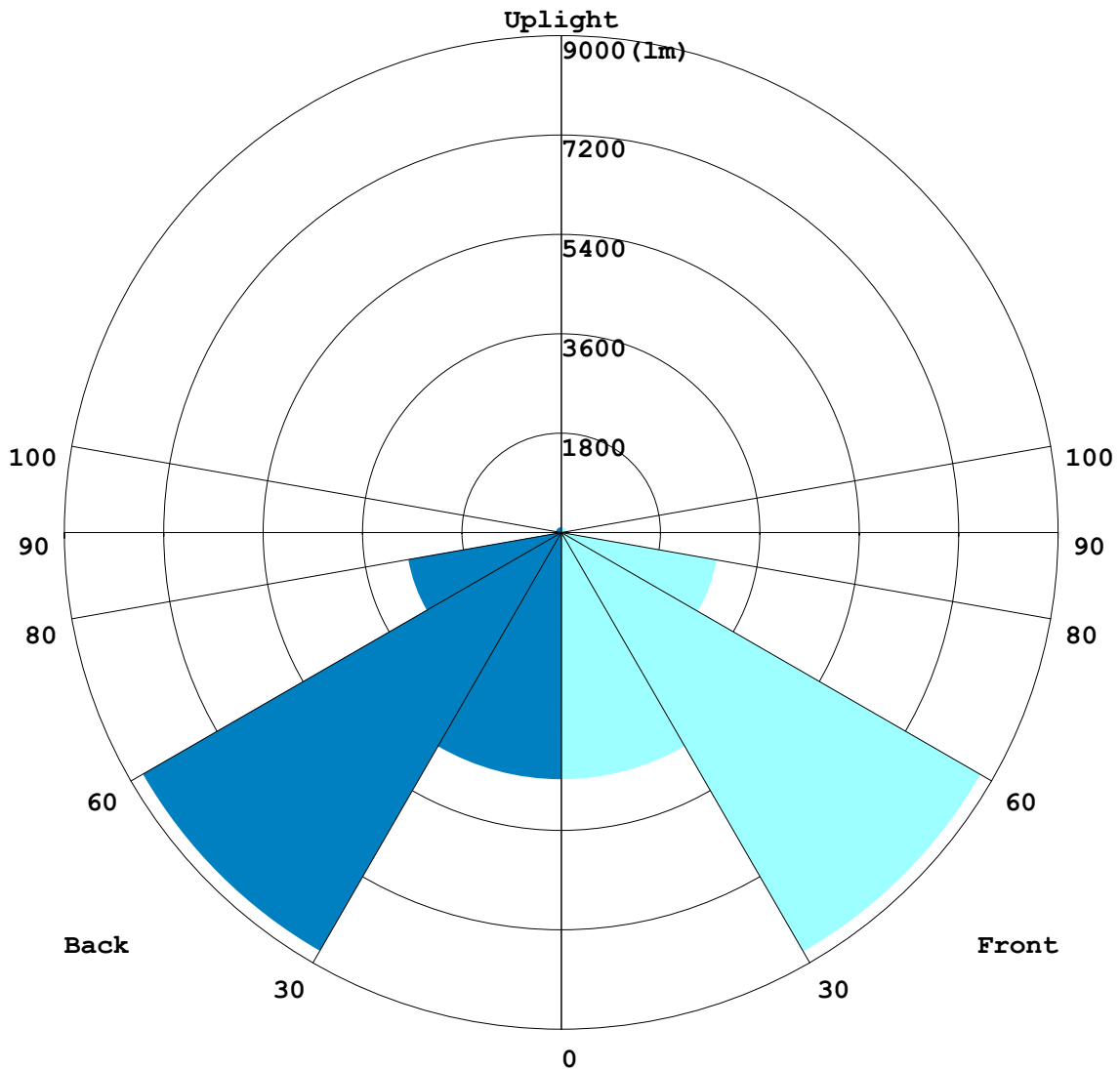
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: ADMIN
 Test Date: 2023-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity: 65.0%
 Test Distance: 9.345m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:230.23V I:0.8242A P:185.35W PF:0.9768 Freq:49.99Hz Lamp Flux:32537.7x1 lm		
NAME: NIFO-233100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:230.23V I:0.8242A P:185.35W PF:0.9768 Freq:49.99Hz Lamp Flux:32537.7x1 lm		
NAME: NIFO-233100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	4473.7	13.7
FM - Front-Medium(30-60)	8768.4	26.9
FH - Front-High(60-80)	2858.3	8.8
FVH - Front-Very High(80-90)	104.1	0.3
Total Forward Light	16303	50.1

BL - Back-Low(0-30)	4473	13.7
BM - Back-Medium(30-60)	8751.8	26.9
BH - Back-High(60-80)	2812.2	8.6
BVH - Back-Very High(80-90)	93.389	0.3
Total Back Light	16234	49.9

UL - Uplight-Low(90-100)	10.44	0.0
UH - Uplight-High(100-180)	192.38	0.6
Total Up Light	202.82	0.6

BUG(Back,Up,Glare) Rating	B5-U3-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	16130	104.03	16234
Street Side	16204	98.793	16303

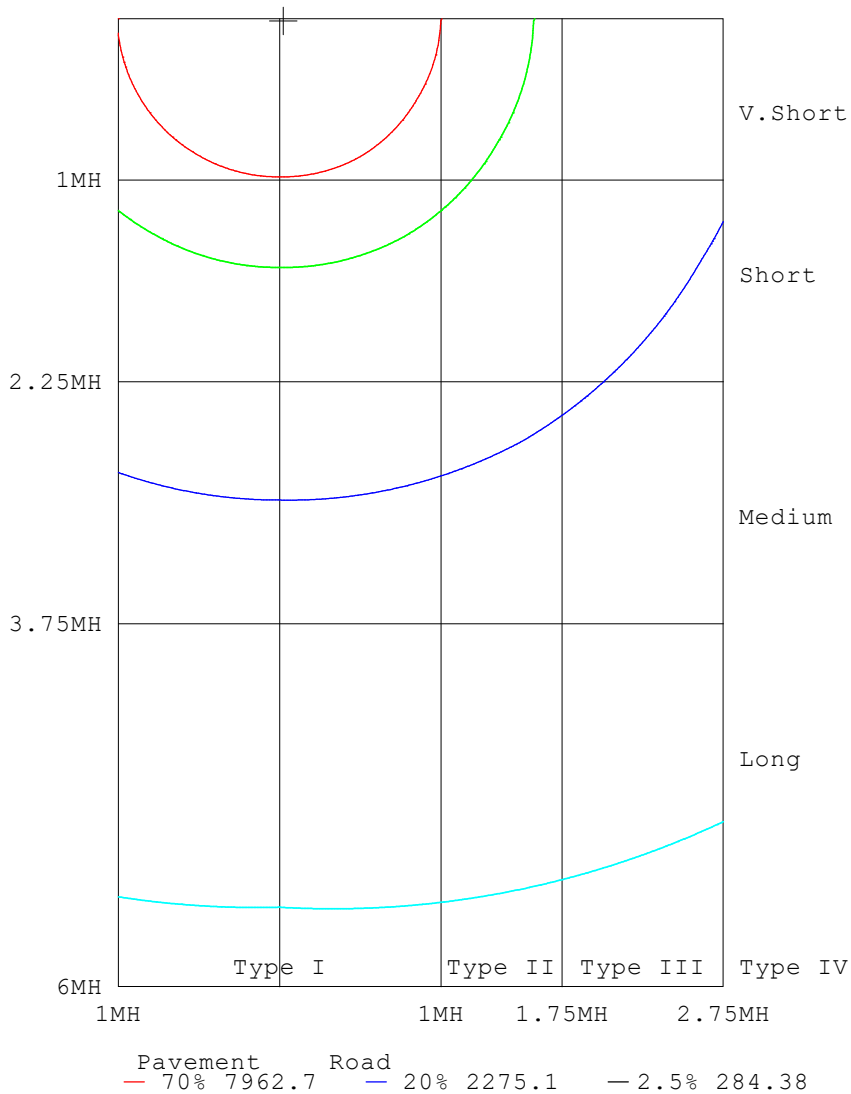
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:230.23V I:0.8242A P:185.35W PF:0.9768 Freq:49.99Hz Lamp Flux:32537.7x1 lm		
NAME: NIFO-233100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.23V I:0.8242A P:185.35W PF:0.9768 Freq:49.99Hz Lamp Flux:32537.7x1 lm		
NAME: NIFO-233100	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: BBT-LIGHTING	SUR.:	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135							
5	1131	1130	1133	1131	1133	1130	1131	1129	1134	1133	1132	1131							
10	1120	1119	1119	1118	1119	1118	1117	1117	1119	1120	1121	1120							
15	1101	1098	1100	1099	1099	1097	1096	1095	1098	1101	1103	1100							
20	1072	1072	1071	1069	1068	1069	1067	1068	1072	1072	1076	1072							
25	1037	1036	1034	1032	1033	1031	1029	1030	1034	1035	1039	1037							
30	992	991	992	988	985	985	982	983	990	990	994	992							
35	938	938	936	932	931	929	926	928	933	934	941	937							
40	877	875	871	870	865	865	862	863	870	871	876	874							
45	805	802	798	796	792	792	788	789	794	799	804	802							
50	723	721	715	713	707	707	704	704	713	716	721	720							
55	632	630	623	619	613	614	610	612	619	622	630	627							
60	531	529	521	517	512	511	506	507	516	521	528	526							
65	420	418	406	398	390	390	383	386	394	403	412	413							
70	290	285	281	273	267	265	262	261	270	276	284	283							
75	178	175	165	159	152	152	143	146	153	161	168	171							
80	74.5	73.0	68.2	63.9	58.2	57.4	52.4	55.0	58.7	64.2	69.7	69.8							
85	15.0	13.3	12.7	10.2	8.53	8.19	6.98	6.93	8.10	9.69	12.0	13.1							
90	0.74	0.71	0.61	0.58	0.60	0.60	0.74	0.73	0.71	0.70	0.70	0.73							
95	0.83	0.83	0.85	0.87	0.90	0.90	1.07	1.06	1.03	1.01	0.99	0.99							
100	1.19	1.19	1.22	1.24	1.27	1.27	1.46	1.45	1.42	1.40	1.37	1.37							
105	1.60	1.60	1.63	1.65	1.69	1.69	1.90	1.89	1.86	1.83	1.80	1.80							
110	2.05	2.05	2.08	2.10	2.14	2.14	2.36	2.35	2.31	2.29	2.26	2.26							
115	2.50	2.51	2.54	2.56	2.60	2.59	2.82	2.81	2.78	2.75	2.73	2.73							
120	2.96	2.96	2.99	3.01	3.05	3.05	3.28	3.27	3.24	3.21	3.19	3.19							
125	3.41	3.41	3.44	3.46	3.50	3.50	3.72	3.71	3.68	3.65	3.63	3.63							
130	3.85	3.85	3.88	3.90	3.93	3.93	4.13	4.12	4.10	4.07	4.06	4.06							
135	4.27	4.27	4.31	4.32	4.35	4.34	4.52	4.51	4.49	4.46	4.45	4.45							
140	4.67	4.67	4.70	4.71	4.74	4.74	4.88	4.87	4.85	4.83	4.82	4.82							
145	5.03	5.02	5.05	5.06	5.09	5.09	5.20	5.19	5.18	5.16	5.15	5.15							
150	5.35	5.35	5.37	5.38	5.41	5.40	5.49	5.48	5.47	5.46	5.45	5.45							
155	5.64	5.64	5.67	5.67	5.69	5.69	5.75	5.75	5.74	5.73	5.72	5.72							
160	5.90	5.90	5.92	5.92	5.95	5.94	5.99	5.98	5.98	5.97	5.97	5.96							
165	6.13	6.12	6.14	6.15	6.17	6.16	6.19	6.18	6.18	6.18	6.17	6.17							
170	6.32	6.32	6.34	6.34	6.35	6.34	6.35	6.34	6.35	6.34	6.34	6.33							
175	6.43	6.43	6.45	6.44	6.46	6.45	6.44	6.44	6.44	6.44	6.45	6.44							
180	6.48	6.48	6.49	6.49	6.50	6.49	6.48	6.48	6.49	6.49	6.50	6.49							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:ADMIN
 Test Date:2023-07-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:9.345m [K=1.0000]
 Remarks: