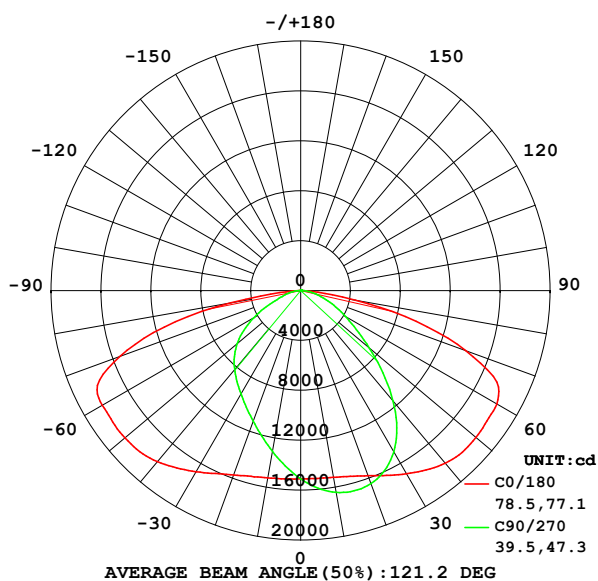
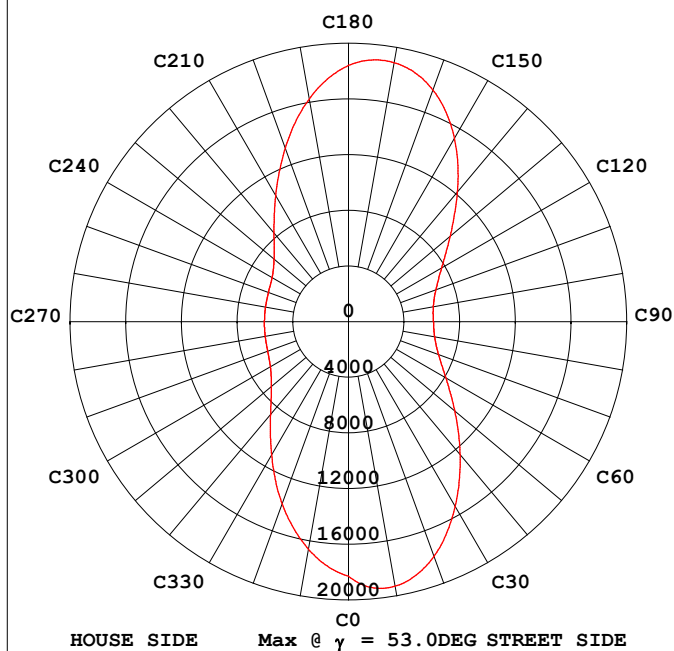


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:117.95V I:3.7884A P:446.44W PF:0.9991 Freq:60.01Hz Lamp Flux:52424.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 117.43 lm/W			
MODEL		I _{max} (cd)	18416	η street_up (%)	0.2
NOMINAL POWER (W)	450	LOR (%)	100.0	η street_down (%)	55.6
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	52424	η house_up (%)	0.1
NOMINAL FLUX (lm)	52424.3	MAXIMUM @ (C, γ)	180,53.0	η house_down (%)	44.1
LAMPS INSIDE	1	η up (%)	0.3	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)	120	η down (%)	99.7	SLI	25.741

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
Operators:DAMIN
Test Date:2024-03-19

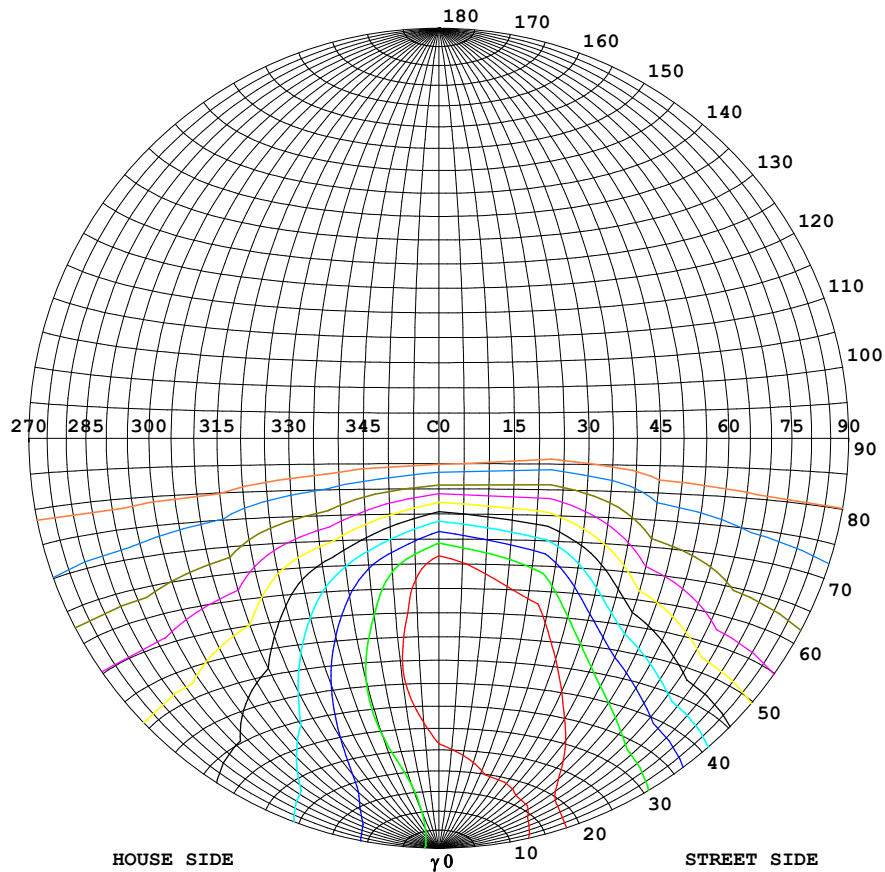
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:117.95V I:3.7884A P:446.44W PF:0.9991 Freq:60.01Hz

Lamp Flux:52424.3x1 lm

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



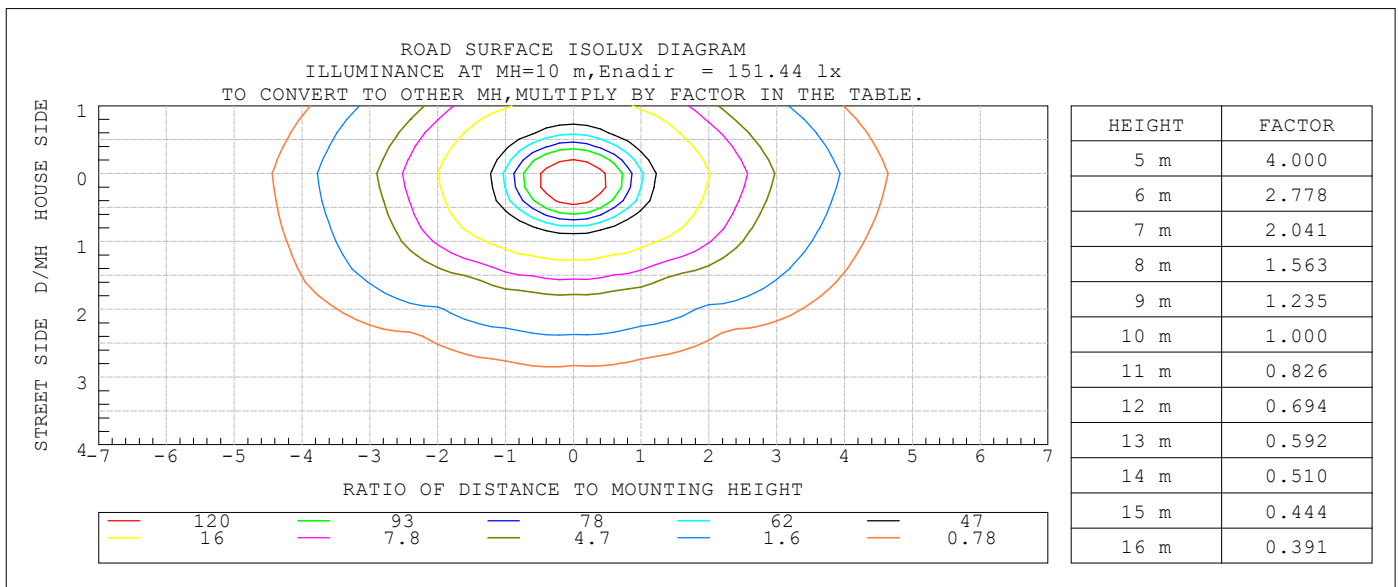
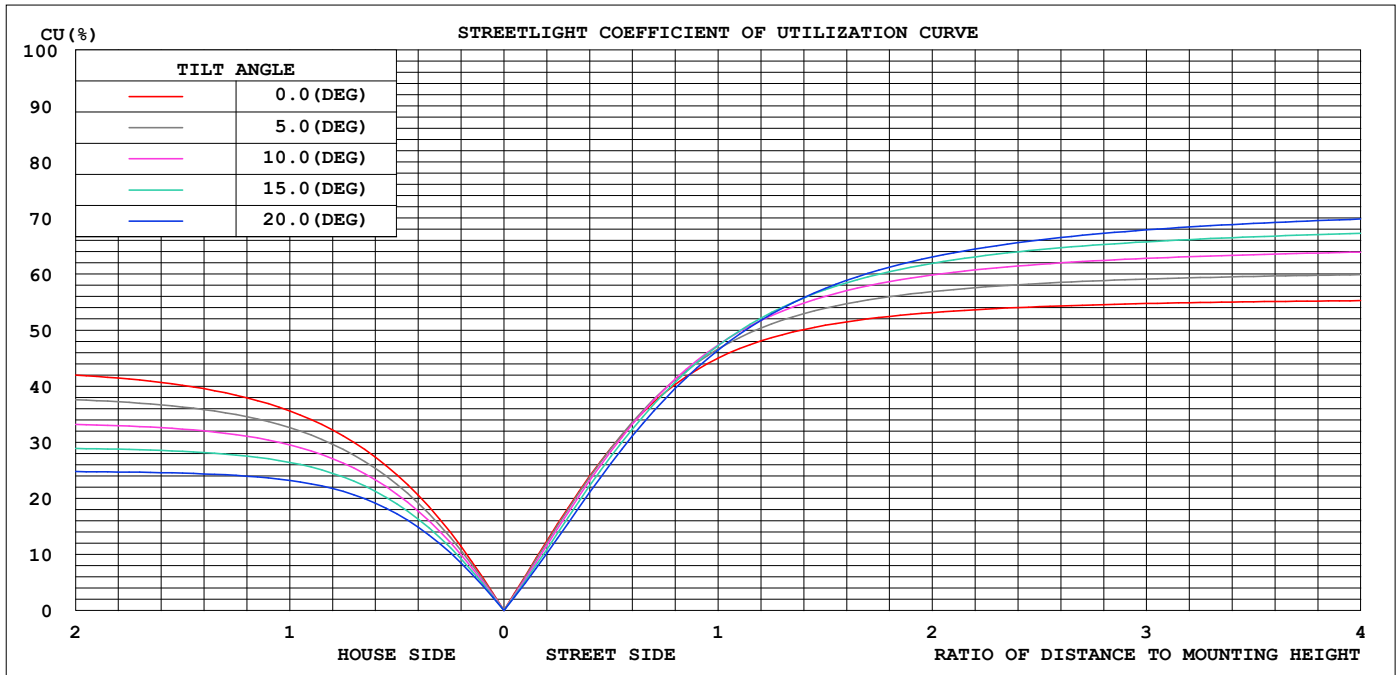
Classification:

IES:Type II - Short
CIE:Narrow - Short
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:108.6cd/klm
Max.At90:0.5276cd/klm
Max.80-90:108.6cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	18416
90%	16574
80%	14733
70%	12891
60%	11049
50%	9208
40%	7366
30%	5525
20%	3683
10%	1842
5%	921

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
Operators:DAMIN
Test Date:2024-03-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1°C
Operators:DAMIN
Test Date:2024-03-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:117.95V I:3.7884A P:446.44W PF:0.9991 Freq:60.01Hz Lamp Flux:52424.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

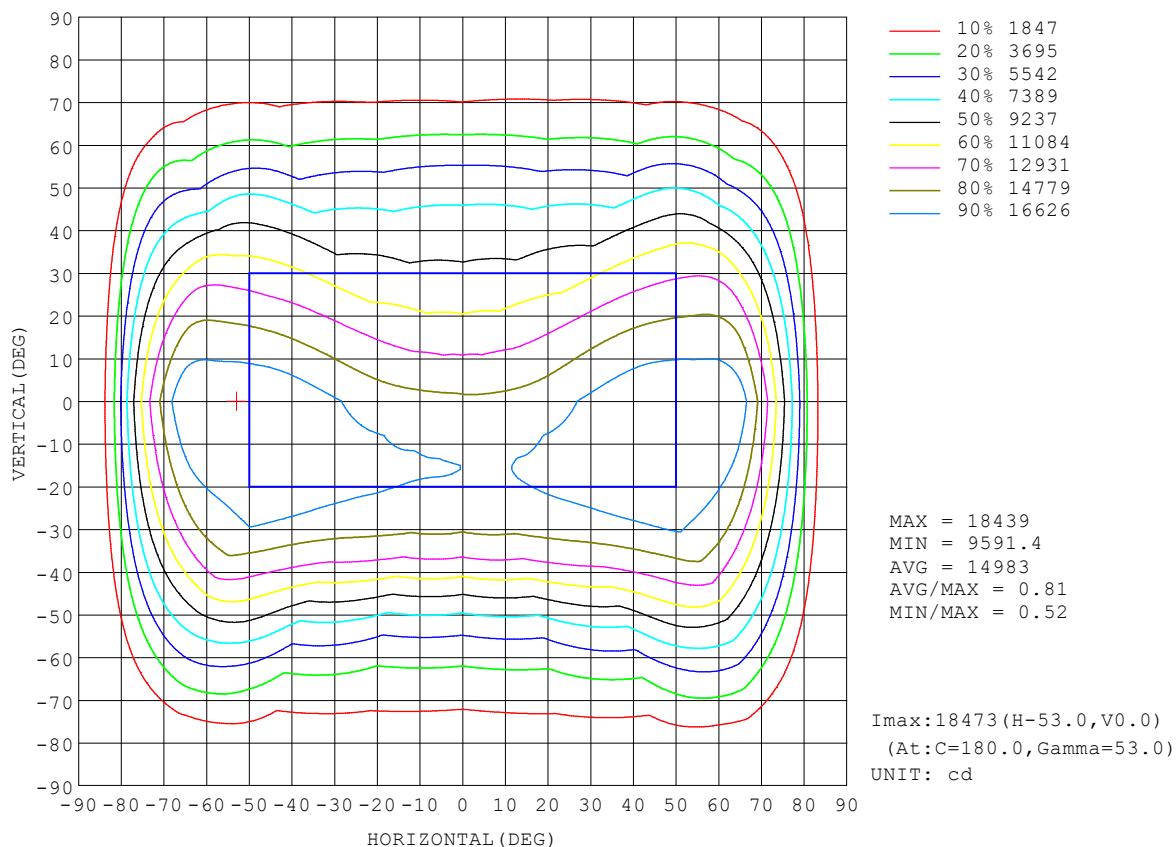
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1520	1613	1642	1623	1525	1375	1309	1379	0- 10	1436	1436	2.74,2.74
20	1579	1665	1647	1679	1572	1245	1115	1267	10- 20	4209	5644	10.8,10.8
30	1696	1659	1493	1660	1676	1123	958.7	1158	20- 30	6721	12365	23.6,23.6
40	1805	1532	1152	1514	1789	983.0	824.6	1025	30- 40	8688	21053	40.2,40.2
50	1834	1237	722.2	1199	1838	817.3	666.3	851.6	40- 50	9624	30678	58.5,58.5
60	1817	809.8	413.2	762.6	1838	581.3	431.2	605.9	50- 60	9244	39922	76.2,76.2
70	1407	418.1	218.9	388.3	1539	300.9	185.9	312.6	60- 70	7527	47449	90.5,90.5
80	445.8	140.2	93.25	125.9	569.1	88.17	78.26	89.35	70- 80	4080	51529	98.3,98.3
90	2.766	0.9570	0.6554	0.8753	0.8808	0.3081	0.2124	0.3545	80- 90	746.5	52275	99.7,99.7
100	3.240	1.230	0.8700	1.249	0.4617	0.1982	0.1884	0.1797	90-100	8.814	52284	99.7,99.7
110	3.821	1.932	1.414	1.878	0.9000	0.3470	0.3676	0.4402	100-110	11.94	52296	99.8,99.8
120	4.071	2.380	1.939	2.420	2.360	1.235	0.9592	1.134	110-120	16.62	52312	99.8,99.8
130	4.347	3.248	2.391	3.011	3.321	2.256	1.767	2.444	120-130	22.01	52334	99.8,99.8
140	4.941	4.110	3.114	3.533	3.851	3.081	2.660	3.367	130-140	24.51	52359	99.9,99.9
150	5.262	4.854	3.855	3.909	3.842	3.463	3.553	3.599	140-150	23.54	52382	99.9,99.9
160	6.122	5.727	4.625	4.525	4.977	4.511	4.492	4.066	150-160	19.90	52402	100,100
170	7.380	6.787	5.617	5.495	7.491	6.765	5.708	5.739	160-170	15.76	52418	100,100
180	7.254	6.574	5.434	5.697	7.397	6.691	5.499	5.790	170-180	6.143	52424	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
Operators:DAMIN
Test Date:2024-03-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ISOCANDELA DIAGRAM

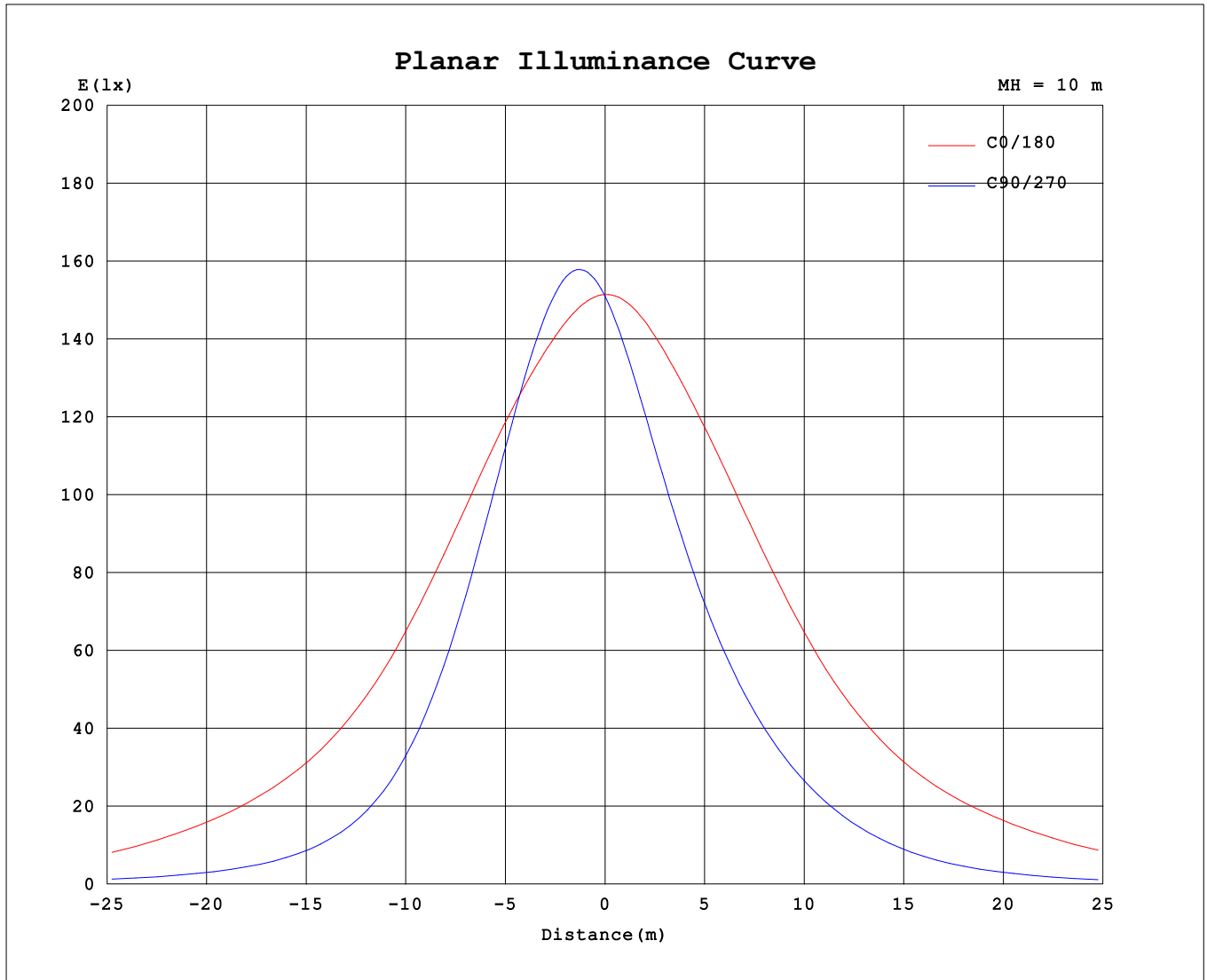
Test:U:117.95V I:3.7884A P:446.44W PF:0.9991 Freq:60.01Hz Lamp Flux:52424.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1°C
Operators: DAMIN
Test Date: 2024-03-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance: 26.000m [K=0.4205]
Remarks:

Planar Illuminance Curve



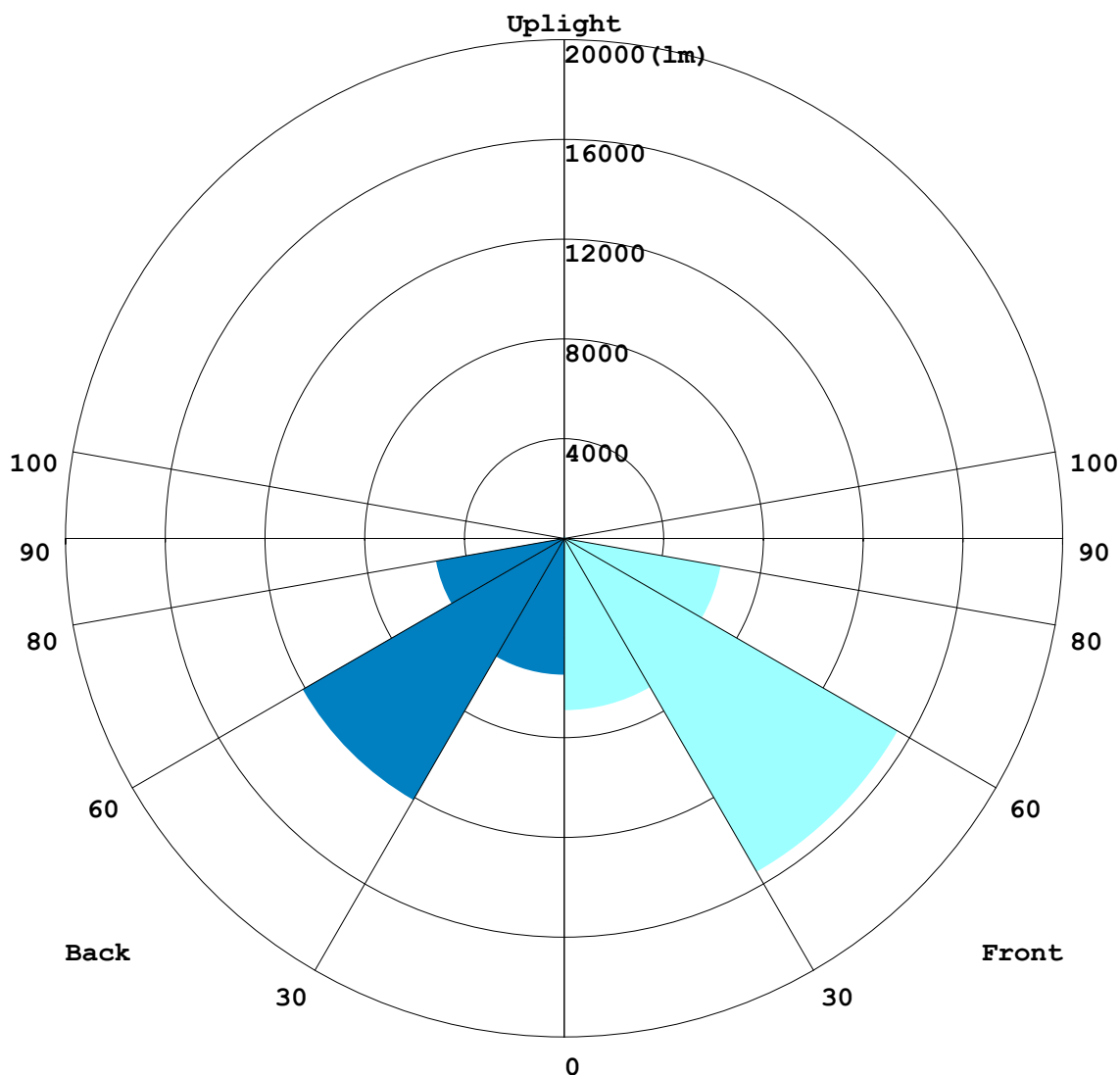
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 27.1°C
 Operators:DAMIN
 Test Date:2024-03-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
 Humidity: 100.0%
 Test Distance:26.000m [K=0.4205]
 Remarks:

LCS REPORT

Test:U:117.95V I:3.7884A P:446.44W PF:0.9991 Freq:60.01Hz Lamp Flux:52424.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
Operators:DAMIN
Test Date:2024-03-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

BUG REPORT

Test:U:117.95V I:3.7884A P:446.44W PF:0.9991 Freq:60.01Hz Lamp Flux:52424.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	6890.6	13.1
FM - Front-Medium(30-60)	15449	29.5
FH - Front-High(60-80)	6382.4	12.2
FVH - Front-Very High(80-90)	448.63	0.9
Total Forward Light	29262	55.8

BL - Back-Low(0-30)	5474.8	10.4
BM - Back-Medium(30-60)	12108	23.1
BH - Back-High(60-80)	5224.1	10.0
BVH - Back-Very High(80-90)	297.91	0.6
Total Back Light	23162	44.2

UL - Uplight-Low(90-100)	8.8138	0.0
UH - Uplight-High(100-180)	140.43	0.3
Total Up Light	149.25	0.3

BUG(Back,Up,Glare) Rating	B5-U3-G5
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	23104	57.443	23162
Street Side	29171	91.804	29262

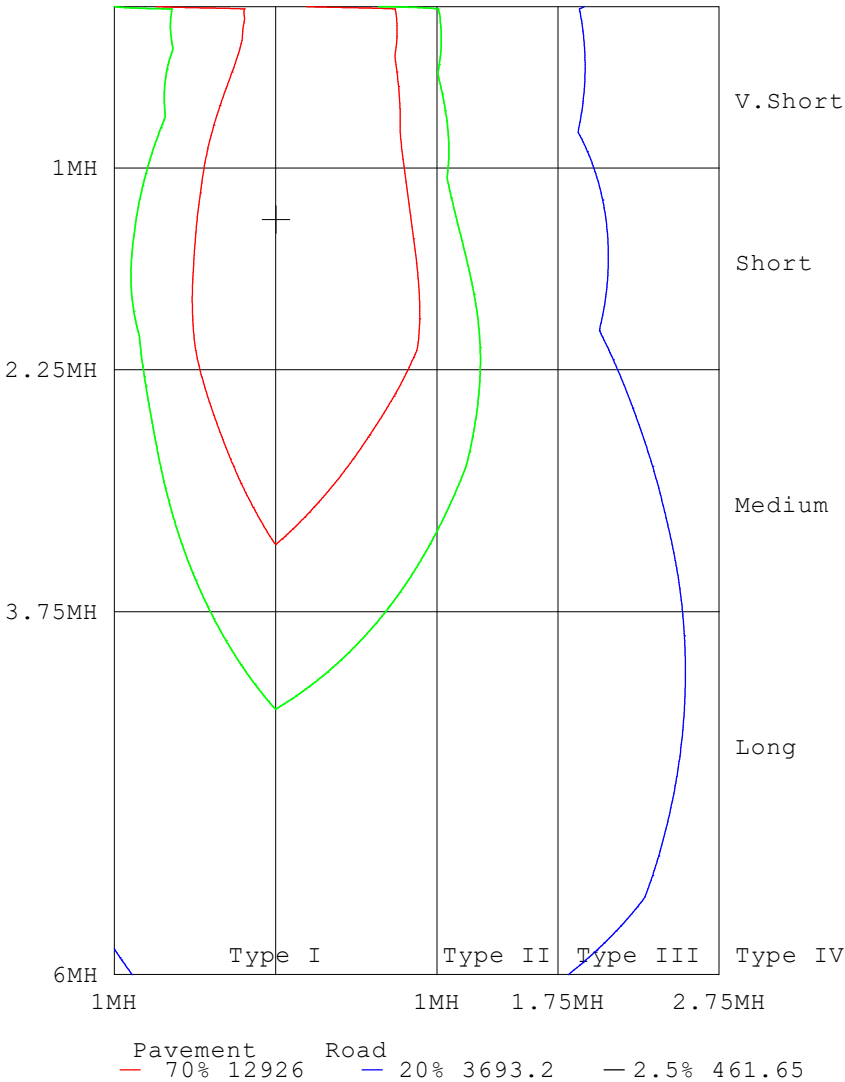
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
Operators:DAMIN
Test Date:2024-03-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:117.95V I:3.7884A P:446.44W PF:0.9991 Freq:60.01Hz Lamp Flux:52424.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
Operators:DAMIN
Test Date:2024-03-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:117.95V I:3.7884A P:446.44W PF:0.9991 Freq:60.01Hz Lamp Flux:52424.3x1 lm																		
NAME:									TYPE:					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.: EVERFINE									SUR.:					Shielding Angle:				

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1510	1510	1510	1510	1510	1510	1510	1510	1510	1510	1510	1510	1510	1510	1510	1510			
5	1511	1543	1567	1584	1589	1587	1572	1548	1515	1478	1444	1421	1412	1421	1444	1476			
10	1520	1577	1613	1636	1642	1641	1623	1587	1525	1448	1375	1325	1309	1328	1379	1451			
15	1542	1613	1645	1661	1662	1668	1660	1625	1542	1424	1307	1231	1208	1238	1320	1437			
20	1579	1657	1665	1656	1647	1663	1679	1666	1572	1409	1245	1144	1115	1153	1267	1435			
25	1635	1706	1673	1620	1592	1624	1681	1709	1618	1403	1185	1064	1032	1075	1216	1443			
30	1696	1754	1659	1546	1493	1545	1660	1752	1676	1400	1123	989	959	1000	1158	1451			
35	1755	1791	1615	1426	1345	1419	1607	1786	1734	1392	1055	917	891	928	1096	1451			
40	1805	1814	1532	1258	1152	1245	1514	1804	1789	1374	983	845	825	857	1025	1439			
45	1833	1812	1407	1054	934	1034	1380	1801	1826	1341	905	767	753	780	945	1409			
50	1834	1776	1237	835	722	812	1199	1763	1838	1292	817	679	666	688	852	1360			
55	1823	1705	1031	638	547	615	986	1686	1838	1221	711	572	559	578	739	1294			
60	1817	1593	810	480	413	461	763	1558	1838	1119	581	450	431	452	606	1198			
65	1737	1412	602	357	311	344	560	1373	1798	951	438	326	304	328	459	1017			
70	1407	1115	418	258	219	249	388	1068	1539	664	301	214	186	219	313	721			
75	960	772	264	174	146	164	242	727	1133	401	180	128	125	135	187	418			
80	446	433	140	101	93.2	96.2	126	403	569	187	88.2	73.1	78.3	75.2	89.4	191			
85	81.9	126	44.5	41.7	42.9	40.5	39.3	106	119	35.3	22.7	25.9	31.5	26.2	23.2	41.8			
90	2.77	1.94	0.96	0.66	0.66	0.64	0.88	1.82	0.88	0.51	0.31	0.24	0.21	0.26	0.35	0.59			
95	2.88	1.81	0.95	0.70	0.65	0.70	0.97	1.90	0.45	0.30	0.20	0.17	0.16	0.16	0.17	0.31			
100	3.24	2.17	1.23	0.91	0.87	0.92	1.25	2.21	0.46	0.31	0.20	0.17	0.19	0.19	0.18	0.29			
105	3.55	2.60	1.59	1.16	1.13	1.18	1.57	2.54	0.63	0.38	0.24	0.23	0.26	0.26	0.28	0.38			
110	3.82	2.99	1.93	1.46	1.41	1.46	1.88	2.80	0.90	0.54	0.35	0.35	0.37	0.41	0.44	0.54			
115	4.01	3.34	2.12	1.80	1.70	1.75	2.16	3.00	1.44	1.03	0.65	0.60	0.60	0.68	0.60	1.02			
120	4.07	3.58	2.38	2.16	1.94	2.03	2.42	3.14	2.36	1.82	1.24	0.99	0.96	1.17	1.13	1.82			
125	4.18	3.76	2.83	2.51	2.15	2.35	2.71	3.26	2.90	2.46	1.78	1.39	1.34	1.59	1.87	2.38			
130	4.35	3.91	3.25	2.86	2.39	2.64	3.01	3.42	3.32	3.00	2.26	1.79	1.77	2.04	2.44	2.76			
135	4.65	4.02	3.70	3.23	2.74	2.97	3.28	3.53	3.62	3.42	2.67	2.23	2.21	2.49	2.97	3.01			
140	4.94	4.23	4.11	3.61	3.11	3.29	3.53	3.79	3.85	3.70	3.08	2.69	2.66	2.96	3.37	3.23			
145	5.05	4.60	4.48	3.99	3.47	3.59	3.72	3.95	3.97	3.80	3.26	3.05	3.13	3.33	3.58	3.28			
150	5.26	5.10	4.85	4.41	3.86	3.90	3.91	4.11	3.84	3.66	3.46	3.43	3.55	3.58	3.60	3.17			
155	5.63	5.72	5.26	4.85	4.25	4.24	4.17	4.33	4.07	3.94	3.81	3.90	3.93	3.74	3.65	3.21			
160	6.12	6.27	5.73	5.30	4.63	4.55	4.52	4.64	4.98	4.67	4.51	4.53	4.49	4.07	4.07	3.86			
165	6.76	6.88	6.34	5.82	5.15	4.96	5.02	5.16	6.55	6.33	5.97	5.79	5.41	4.98	5.10	5.21			
170	7.38	7.38	6.79	6.32	5.62	5.39	5.50	5.76	7.49	7.41	6.77	6.25	5.71	5.43	5.74	5.88			
175	7.47	7.63	6.98	6.49	5.89	5.70	5.88	6.16	7.51	7.65	6.91	6.39	5.82	5.66	5.98	6.13			
180	7.25	7.37	6.57	6.00	5.43	5.31	5.70	6.14	7.40	7.51	6.69	6.07	5.50	5.38	5.79	6.26			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 27.1℃
Operators:DAMIN
Test Date:2024-03-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.471
Humidity: 100.0%
Test Distance:26.000m [K=0.4205]
Remarks: