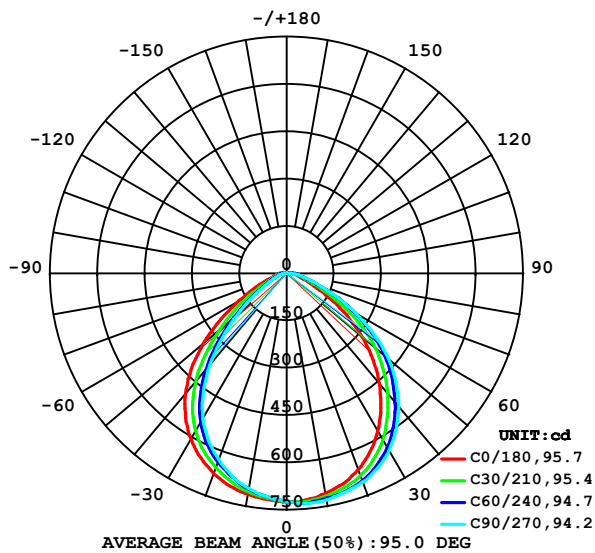
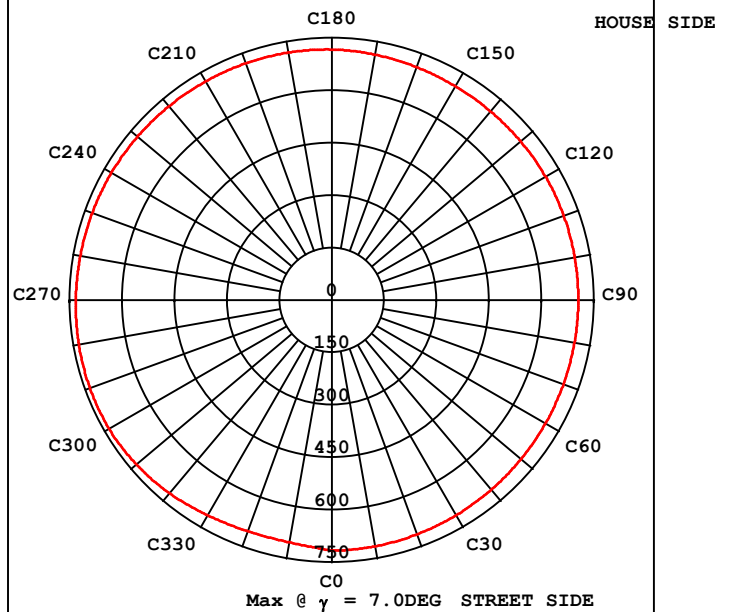


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:2.900V I:4.300A P:12.47W PF:1.000 Lamp Flux:1606.15x1 lm		
NAME: YF-TANB-12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.80 lm/W			
MODEL		Imax (cd)	736.4	η street_up (%)	0.5
NOMINAL POWER (W)		LOR (%)	100.0	η street_down (%)	58.6
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1606	η house_up (%)	0.4
NOMINAL FLUX (lm)	1606.15	MAXIMUM @ (C, γ)	300, 7.0	η house_down (%)	40.4
LAMPS INSIDE	1	η up (%)	0.9	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)		η down (%)	99.1	SLI	15.631

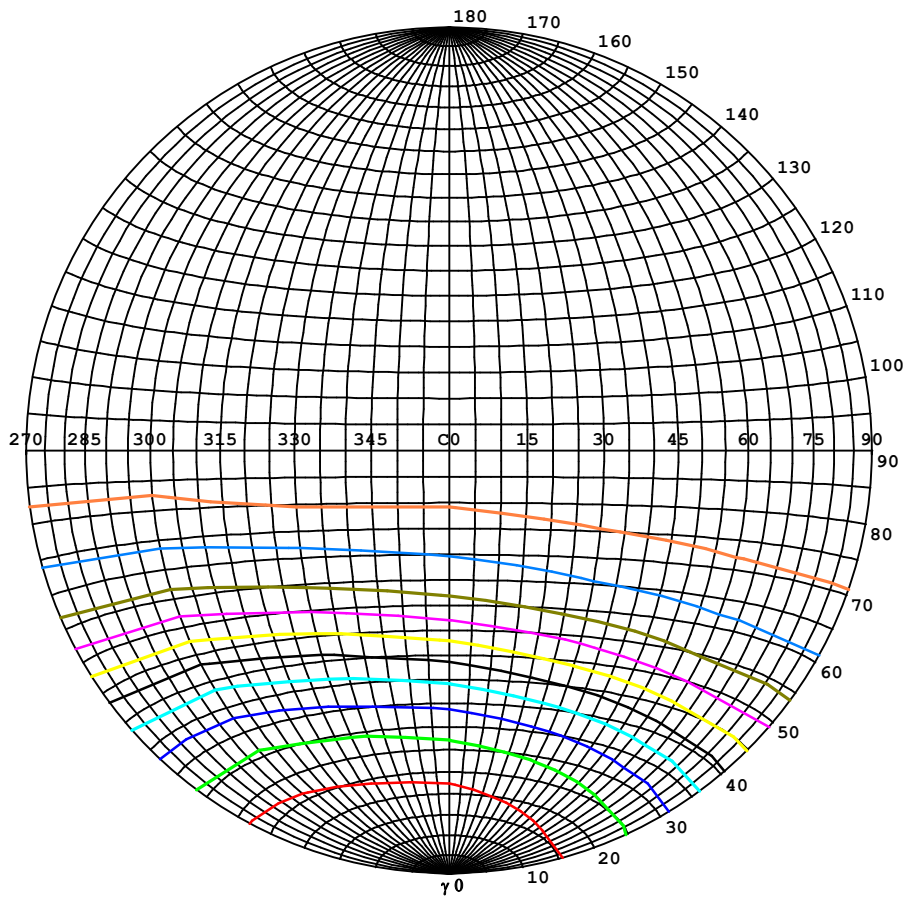
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-03-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295T
 Humidity: 65.0%
 Test Distance: 7.529m [K=1.0000]
 Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM



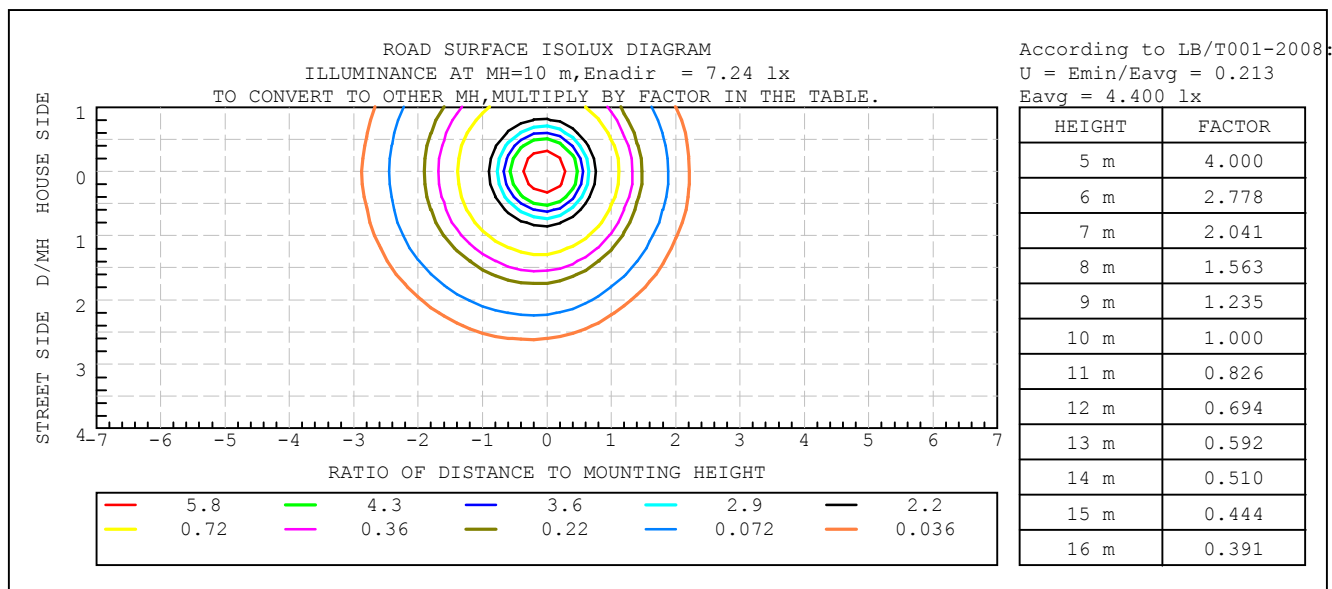
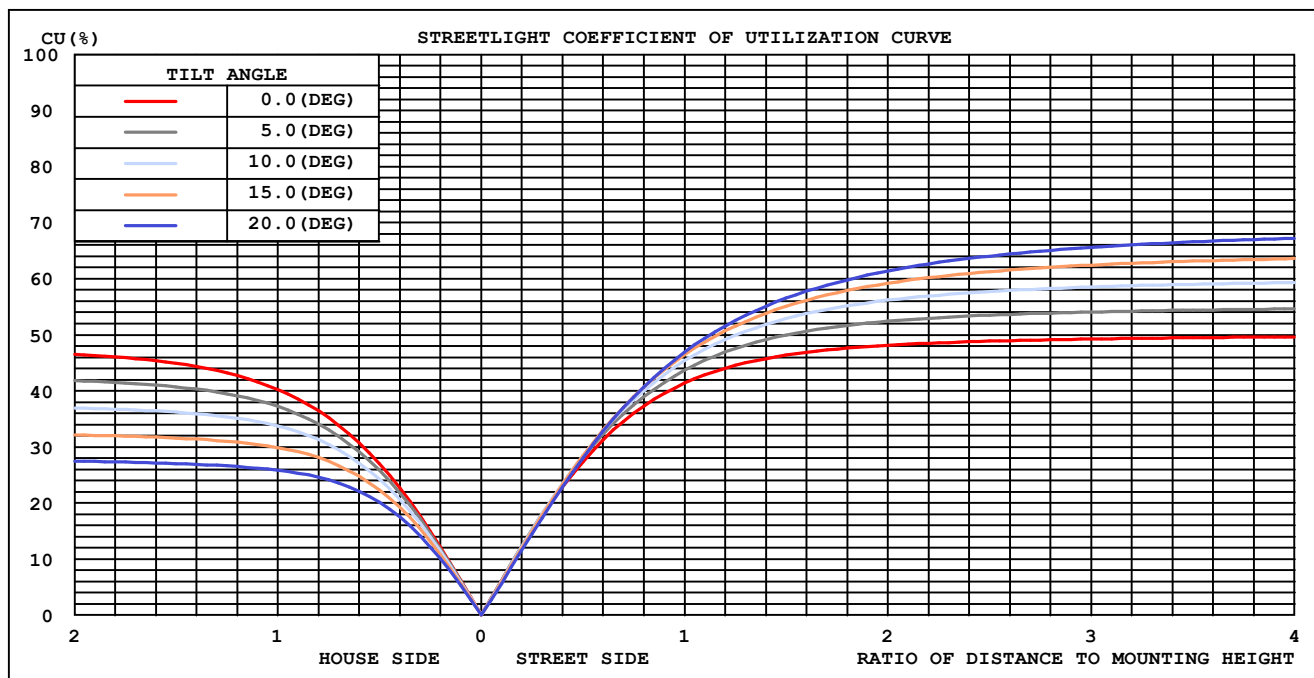
Classification:
IES:Type V - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:27.61cd/klm
Max.At90:13.93cd/klm
Max.80-90:27.61cd/klm
NRB 5101:Limited[3.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	736
90%	663
80%	589
70%	515
60%	442
50%	368
40%	295
30%	221
20%	147
10%	74
5%	37

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-03-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295T
Humidity:65.0%
Test Distance:7.529m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-03-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295T
Humidity: 65.0%
Test Distance: 7.529m [K=1.0000]
Remarks:

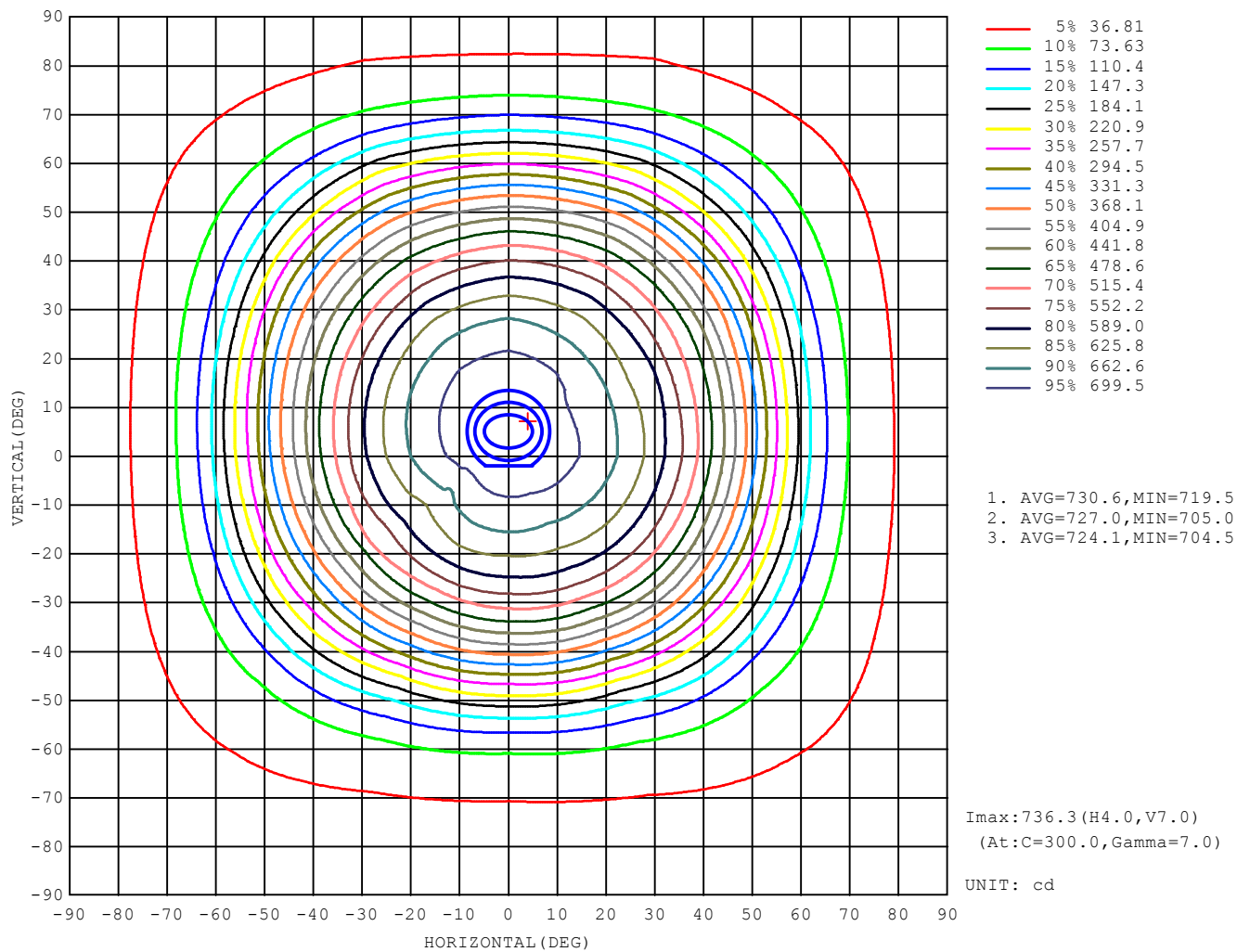
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	711.5	699.7	692.4	690.4	708.9	720.6	729.1	721.6	0- 10	68.35	68.35	4.26,4.26
20	675.7	646.3	629.6	627.3	663.0	691.9	705.1	687.2	10- 20	194.6	263.0	16.4,16.4
30	607.7	562.4	531.5	534.4	578.9	624.6	649.4	628.3	20- 30	290.7	553.7	34.5,34.5
40	499.8	425.5	380.6	394.4	457.9	517.2	552.7	535.9	30- 40	333.1	886.8	55.2,55.2
50	344.6	248.8	206.2	230.5	311.9	386.8	421.0	401.2	40- 50	304.9	1192	74.2,74.2
60	173.8	107.6	80.44	98.53	156.2	225.9	254.5	231.2	50- 60	214.0	1406	87.5,87.5
70	70.96	46.86	38.54	44.30	62.00	92.56	108.9	96.92	60- 70	110.7	1516	94.4,94.4
80	34.95	26.46	16.16	25.03	31.56	39.11	44.35	39.37	70- 80	50.68	1567	97.6,97.6
90	20.34	15.36	0.1174	13.36	18.41	12.97	2.153	15.99	80- 90	23.91	1591	99.1,99.1
100	11.47	3.320	0.2114	1.791	8.870	8.090	0.0900	8.254	90-100	9.480	1600	99.6,99.6
110	0.6706	0.4695	0.3796	0.4304	0.4619	0.6182	0.4270	0.8261	100-110	2.189	1603	99.8,99.8
120	0.5714	0.7084	0.6107	0.6830	0.6107	0.4776	0.3640	0.4775	110-120	0.5201	1603	99.8,99.8
130	0.8294	0.9158	0.8454	0.9099	0.8494	0.6908	0.5322	0.6790	120-130	0.6098	1604	99.9,99.9
140	1.033	1.141	1.057	1.078	1.049	0.8862	0.7084	0.8356	130-140	0.6887	1604	99.9,99.9
150	1.186	1.248	1.221	1.209	1.221	1.070	0.8531	1.041	140-150	0.6638	1605	99.9,99.9
160	1.319	1.335	1.350	1.286	1.346	1.168	1.033	1.061	150-160	0.5466	1606	100,100
170	1.401	1.397	1.440	1.333	1.397	1.286	1.205	1.145	160-170	0.3601	1606	100,100
180	1.444	1.391	1.413	1.323	1.448	1.384	1.421	1.329	170-180	0.1281	1606	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295T
 Humidity:65.0%
 Test Distance:7.529m [K=1.0000]
 Remarks:

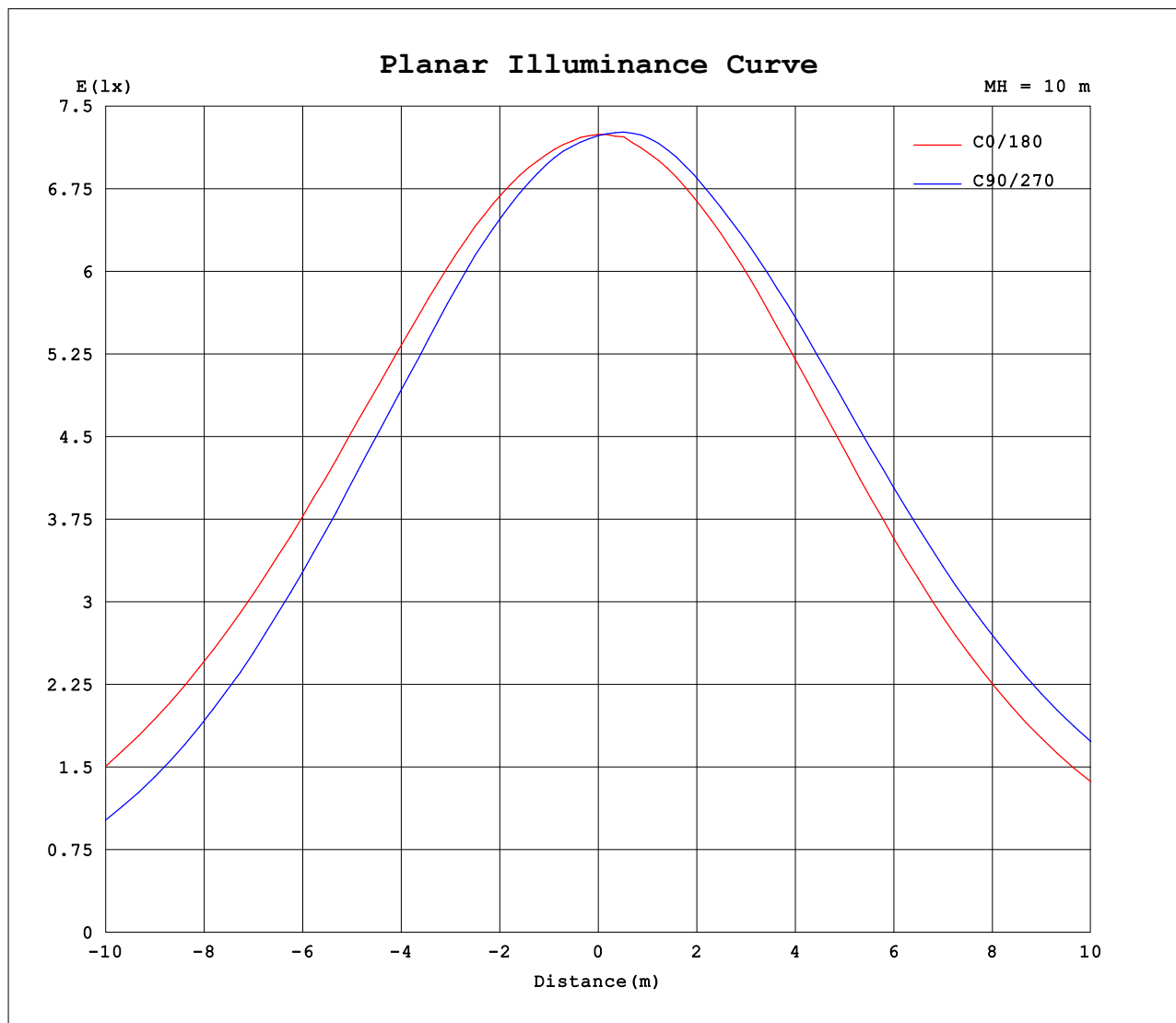
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-03-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295T
Humidity: 65.0%
Test Distance: 7.529m [K=1.0000]
Remarks:

Planar Illuminance Curve



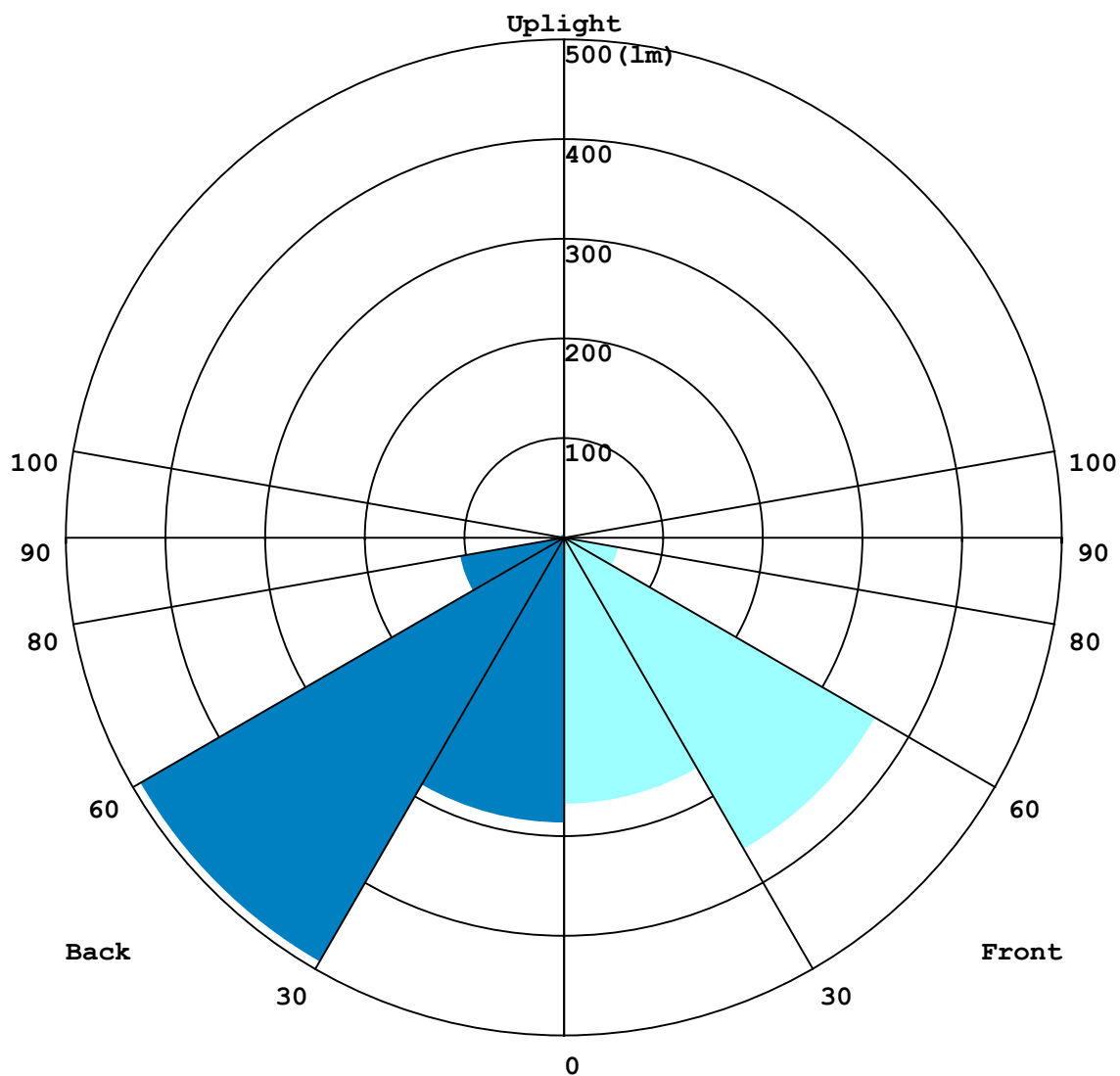
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-03-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295T
Humidity: 65.0%
Test Distance: 7.529m [K=1.0000]
Remarks:

LCS REPORT

Test:U:2.900V I:4.300A P:12.47W PF:1.000 Lamp Flux:1606.15x1 lm		
NAME: YF-TANB-12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-03-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295T
Humidity: 65.0%
Test Distance: 7.529m [K=1.0000]
Remarks:

BUG REPORT

Test:U:2.900V I:4.300A P:12.47W PF:1.000 Lamp Flux:1606.15x1 lm		
NAME: YF-TANB-12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	267.47	16.7
FM - Front-Medium(30-60)	361.1	22.5
FH - Front-High(60-80)	55.454	3.5
FVH - Front-Very High(80-90)	10.233	0.6
Total Forward Light	701.28	43.7

BL - Back-Low(0-30)	286.22	17.8
BM - Back-Medium(30-60)	490.88	30.6
BH - Back-High(60-80)	105.93	6.6
BVH - Back-Very High(80-90)	13.676	0.9
Total Back Light	904.87	56.3

UL - Uplight-Low(90-100)	9.4801	0.6
UH - Uplight-High(100-180)	5.7061	0.4
Total Up Light	15.186	0.9

BUG(Back,Up,Glare) Rating	B1-U1-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	896.71	8.1624	904.87
Street Side	694.25	7.0238	701.28

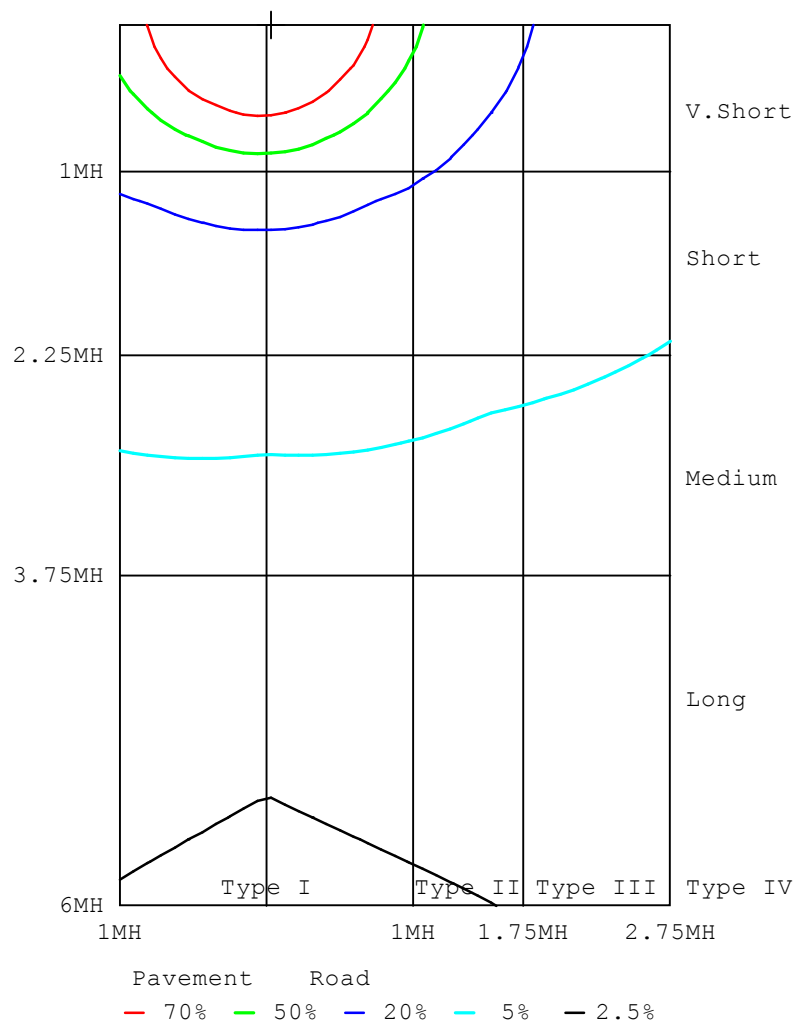
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-03-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295T
 Humidity:65.0%
 Test Distance:7.529m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:2.900V I:4.300A P:12.47W PF:1.000 Lamp Flux:1606.15x1 lm		
NAME: YF-TANB-12W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-03-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295T
 Humidity: 65.0%
 Test Distance: 7.529m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	724	724	723	723	729	710	724	724	723	723	729	710						
5	719	715	712	712	718	700	721	726	731	732	736	716						
10	711	704	695	692	691	689	709	717	724	729	734	709						
15	698	684	668	667	665	660	691	705	717	718	711	701						
20	676	656	637	630	633	622	663	684	700	705	698	677						
25	646	623	598	587	588	590	626	652	674	682	671	655						
30	608	578	547	532	530	538	579	610	639	649	640	617						
35	559	521	480	462	458	477	521	558	591	605	600	576						
40	500	451	400	381	380	409	458	498	536	553	549	522						
45	428	367	311	289	295	331	388	436	474	492	488	464						
50	345	277	220	206	208	253	312	367	407	421	419	383						
55	256	197	142	130	133	177	233	289	330	340	337	304						
60	174	125	90.1	80.4	85.8	111	156	206	246	254	248	214						
65	113	77.4	58.7	53.6	56.4	70.7	96.7	131	169	172	171	139						
70	71.0	52.0	41.7	38.5	40.2	48.4	62.0	82.7	102	109	105	89.0						
75	48.1	37.7	31.4	27.0	30.5	35.4	42.9	53.6	63.3	66.5	64.7	57.0						
80	35.0	28.7	24.2	16.2	23.1	27.0	31.6	35.5	42.7	44.3	43.7	35.1						
85	26.4	22.3	18.8	4.71	17.5	20.9	24.0	18.9	30.7	23.5	31.5	19.7						
90	20.3	17.4	13.3	0.12	10.6	16.1	18.4	4.29	21.6	2.15	22.4	9.60						
95	15.8	13.0	3.62	0.16	2.39	10.8	14.0	3.90	15.8	0.09	16.2	6.02						
100	11.5	6.31	0.33	0.21	0.24	3.35	8.87	6.49	9.69	0.09	9.36	7.15						
105	5.42	0.69	0.34	0.30	0.32	0.36	2.74	2.57	0.69	0.67	0.99	3.38						
110	0.67	0.49	0.45	0.38	0.42	0.44	0.46	0.30	0.94	0.43	1.36	0.29						
115	0.49	0.57	0.59	0.49	0.56	0.55	0.50	0.31	0.62	0.31	0.77	0.34						
120	0.57	0.69	0.73	0.61	0.69	0.67	0.61	0.38	0.58	0.36	0.59	0.37						
125	0.70	0.79	0.85	0.73	0.81	0.79	0.73	0.56	0.69	0.45	0.66	0.48						
130	0.83	0.88	0.95	0.85	0.93	0.89	0.85	0.70	0.68	0.53	0.71	0.65						
135	0.94	1.03	1.10	0.96	1.04	0.98	0.95	0.81	0.81	0.64	0.80	0.77						
140	1.03	1.10	1.18	1.06	1.10	1.06	1.05	0.95	0.82	0.71	0.81	0.86						
145	1.12	1.16	1.20	1.14	1.15	1.13	1.14	1.08	0.94	0.77	0.92	1.03						
150	1.19	1.26	1.24	1.22	1.20	1.22	1.22	1.13	1.01	0.85	0.98	1.10						
155	1.27	1.32	1.29	1.30	1.24	1.28	1.29	1.20	1.06	0.94	0.96	1.08						
160	1.32	1.34	1.33	1.35	1.27	1.30	1.35	1.21	1.12	1.03	1.01	1.12						
165	1.37	1.37	1.36	1.41	1.31	1.32	1.37	1.25	1.21	1.12	1.07	1.12						
170	1.40	1.39	1.40	1.44	1.33	1.33	1.40	1.28	1.29	1.21	1.14	1.15						
175	1.41	1.39	1.44	1.44	1.36	1.32	1.41	1.32	1.36	1.35	1.25	1.21						
180	1.44	1.37	1.41	1.41	1.32	1.32	1.45	1.36	1.41	1.42	1.35	1.31						

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-03-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295T
 Humidity: 65.0%
 Test Distance: 7.529m [K=1.0000]
 Remarks: