



Meaningful Innovation.

WEEE Number: 80133970

INSTRUCTION MANUAL

LED SOLAR WALL LIGHT

TECHNICAL DATA

MODEL	VT-768
SKU	7523, 7528
LUMENS	500 Lm
POWER	4 W
SOLAR PANEL	2.4W, DC 5.5V, Mono with Tempered glass
BATTERY	Li-ion, 2000mAh, 7.4 Wh (Repeatable)
CHARGING TIME	12-15 Hours
WORKING TIME	Maximum 24 Hours
WORKING MODE	2 Optional working modes
LED TYPE	SMD 2835x56Pcs (Front 54 Pcs+Back 2 Pcs)
DETECTION ANGLE	120°
SENSOR RANGE	2-6 M
COLOR TEMPERATURE	4000K
LAMP DIMENSION	211.1x140x114.8 mm
BODY TYPE	ABS+PC, Anti UV
INSTALLATION HEIGHT	2-4 M



02 YEAR
WARRANTY*

IP65
RATING

INTRODUCTION & WARRANTY

Thank you for selecting and buying V-TAC product. V-TAC will serve you the best. Please read these instructions carefully before starting the installation and keep this manual handy for future reference. If you have any another query, please contact our dealer or local vendor from whom you have purchased the product. They are trained and ready to serve you at the best. The warranty is valid for 2 years from the date of purchase. The warranty does not apply to damage caused by incorrect installation or abnormal wear and tear. The company gives no warranty against damage to any surface due to incorrect removal and installation of the product. The products are suitable for 10-12 Hours Daily operation. Usage of product for 24 Hours a day would void the warranty. This product is warranted for manufacturing defects only.



MULTI-LANGUAGE MANUAL QR CODE

Please scan the QR code to access the manual in multiple languages.



FR
Cet appareil, ses accessoires, cordons et batteries se recyclent



À DÉPOSER EN MAGASIN

À DÉPOSER EN DÉCHÈTERIE



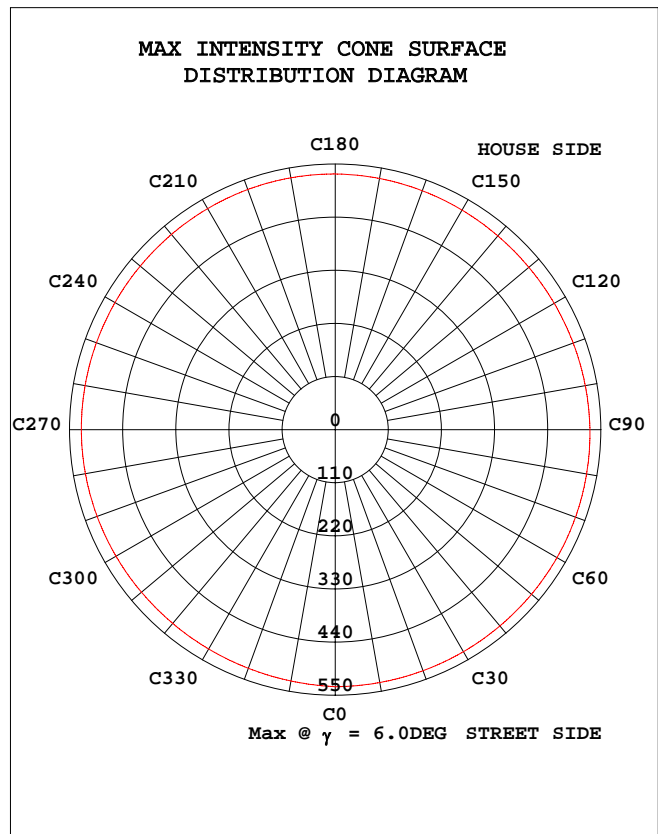
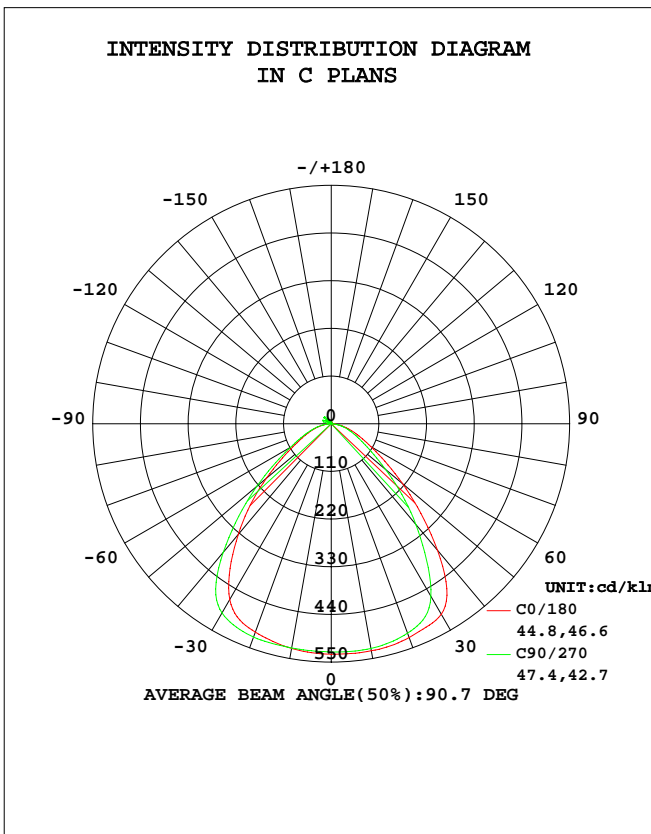
Points de collecte sur www.quefairedemesdechets.fr
Privilégiez la réparation ou le don de votre appareil !

In case of any query/issue with the product, please reach out to us at: support@v-tac.eu
For More products range, inquiry please contact our distributor or nearest dealers.
V-TAC EUROPE LTD. Bulgaria, Plovdiv 4000, bul.L.Karavelow 9B

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:0V I:0A P:0W PF:1.000 Freq:0Hz Lamp Flux:500.928x1 lm		
NAME: VT-768	TYPE: SOLAR WALL LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: V-TAC	SUR.:	Shielding Angle:

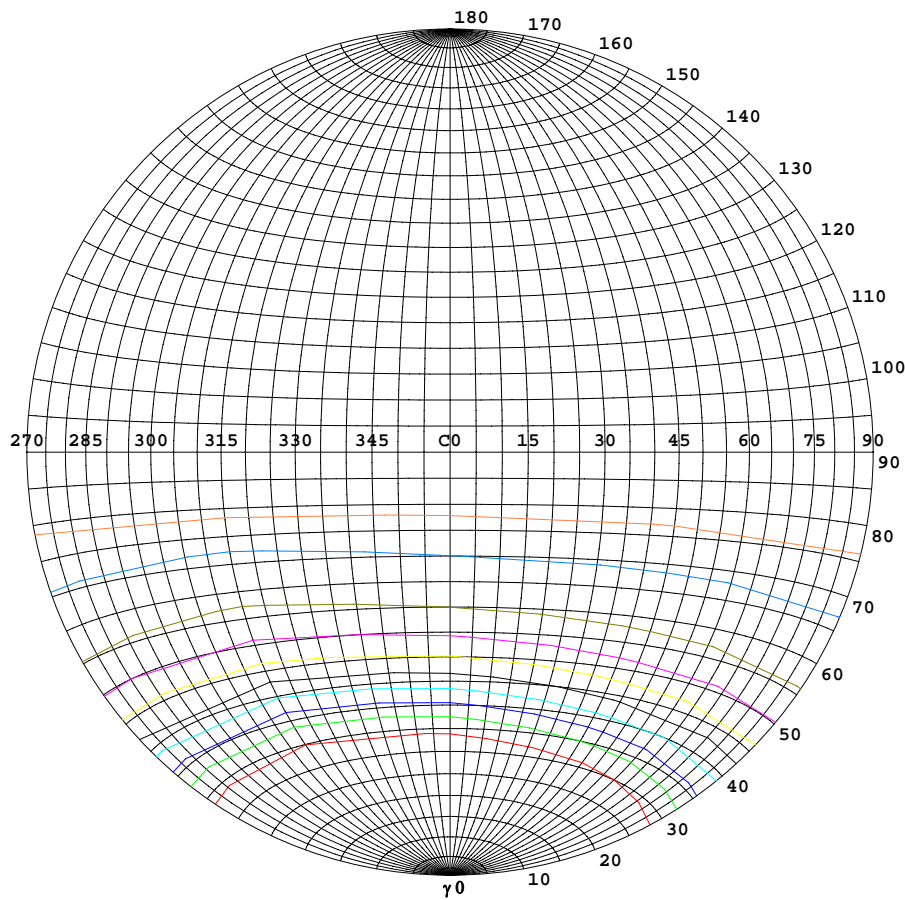
DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	VT-768	I _{max} (cd/klm)	532.3	η street_up(%)	1.7
NOMINAL POWER(W)	4	LOR(%)	118.0	η street_down(%)	73.4
RATED VOLTAGE(V)		TOTAL FLUX(lm/klm)	1180	η house_up(%)	0.8
NOMINAL FLUX(lm)	500.928	MAXIMUM @(C,γ)	0,6.0	η house_down(%)	42.0
LAMPS INSIDE	1	η up(%)	2.6	76 FLASHAREA(m2)	
TEST VOLTAGE(V)		η down(%)	115.4	SLI	



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:15.400m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM



Classification:

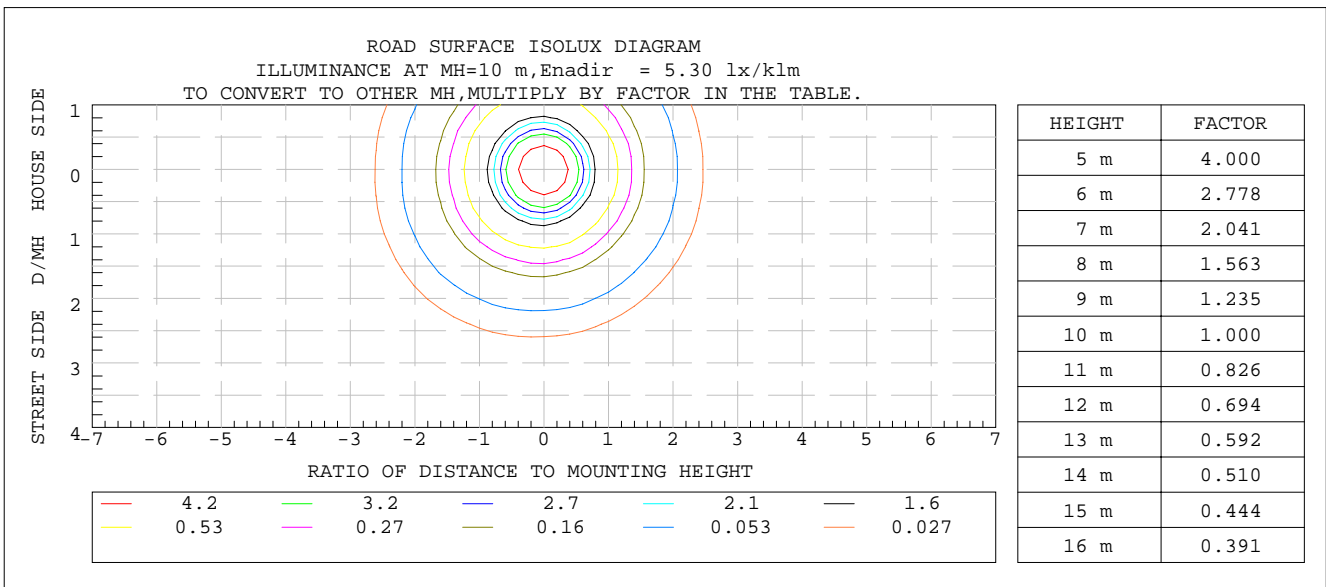
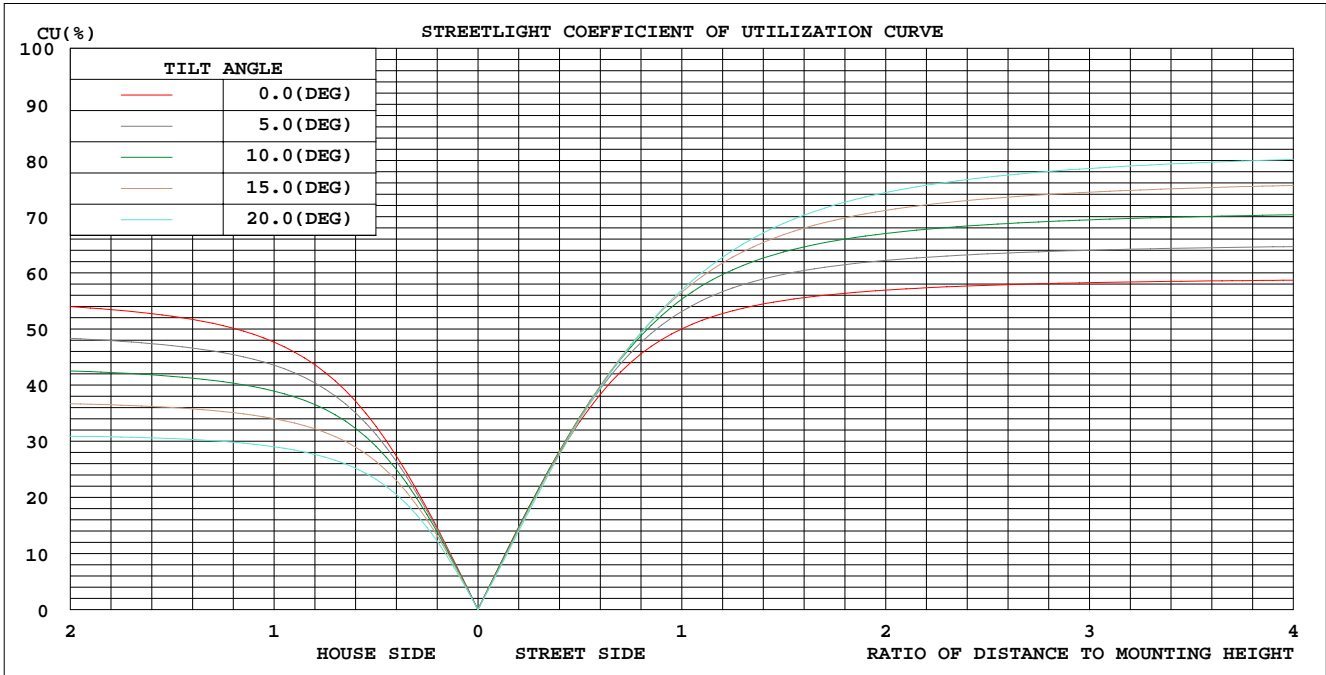
IES:Type VS - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:24.04cd/klm
 Max.At90:1.094cd/klm
 Max.80-90:24.04cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd/klm
Imax=100%	532
90%	479
80%	426
70%	373
60%	319
50%	266
40%	213
30%	160
20%	106
10%	53
5%	27

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 Operators:
 Test Date:2021-06-07

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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:15.400m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 15.400m [K=1.0000]
Remarks:

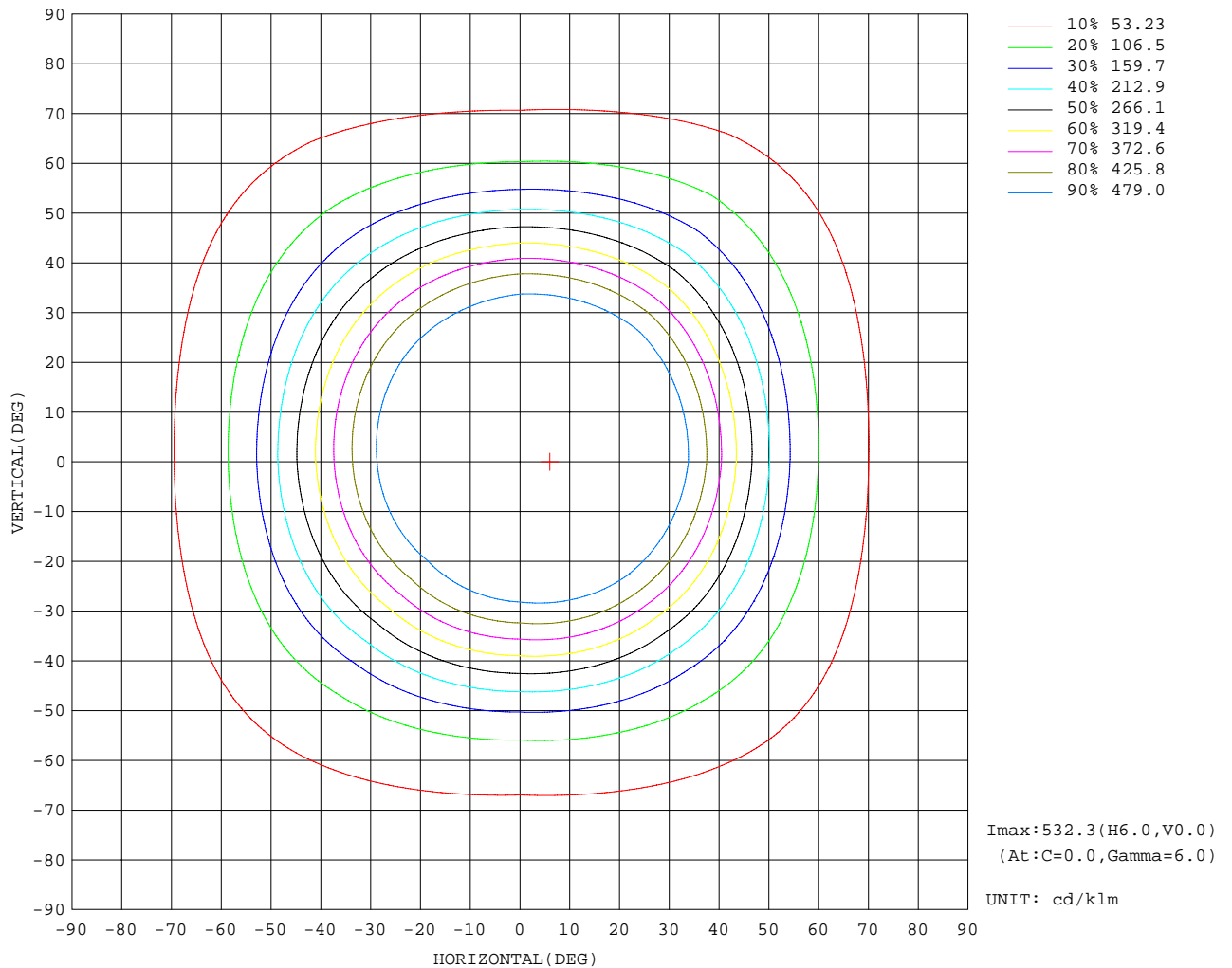
ZONAL FLUX DIAGRAM

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	531.9	530.2	526.3	521.6	526.3	525.8	525.2	523.3	0- 10	50.32	50.32	4.27,5.03
20	525.0	522.7	514.1	507.8	511.7	516.4	523.8	521.5	10- 20	148.1	198.4	16.8,19.8
30	507.7	488.8	459.8	448.9	468.2	488.7	504.1	508.6	20- 30	233.7	432.1	36.6,43.2
40	381.5	330.2	304.2	299.3	334.0	359.7	387.7	403.4	30- 40	265.2	697.3	59.1,69.7
50	214.7	179.6	163.3	164.8	194.7	210.0	223.3	233.8	40- 50	208.4	905.7	76.8,90.6
60	106.1	90.97	81.50	85.97	96.81	108.2	108.7	123.0	50- 60	127.8	1034	87.6,103
70	53.44	47.75	43.66	47.37	51.38	57.85	55.63	63.72	60- 70	73.19	1107	93.8,111
80	20.28	18.25	16.78	19.50	21.64	24.04	22.69	20.21	70- 80	37.78	1145	97,114
90	0.4217	0.2931	0.3447	0.4145	0.9946	1.012	1.094	0.7599	80- 90	9.662	1154	97.8,115
100	0.7071	0.5372	0.4392	0.5136	0.9057	10.45	1.250	10.37	90-100	1.236	1155	97.9,116
110	1.167	0.9529	0.8786	1.002	1.491	13.82	20.16	13.65	100-110	5.576	1161	98.4,116
120	1.466	1.491	1.465	1.588	1.637	9.098	3.169	15.12	110-120	5.987	1167	98.9,117
130	2.075	2.174	2.174	2.273	2.053	3.010	22.26	3.665	120-130	4.149	1171	99.3,117
140	2.637	2.713	2.832	2.859	2.712	2.467	3.101	2.393	130-140	3.381	1174	99.6,117
150	3.102	3.225	3.297	3.323	3.225	3.005	17.04	2.980	140-150	2.087	1177	99.7,118
160	3.591	3.641	3.664	3.811	3.762	3.493	3.469	3.420	150-160	1.626	1178	99.9,118
170	4.079	4.080	4.055	4.095	4.129	4.006	3.982	3.908	160-170	1.081	1179	100,118
180	4.226	4.226	4.177	4.202	4.226	4.226	4.177	4.177	170-180	0.3935	1180	100,118
DEG	LUMINOUS INTENSITY:cd/klm									UNIT:lm/klm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:15.400m [K=1.0000]
Remarks:

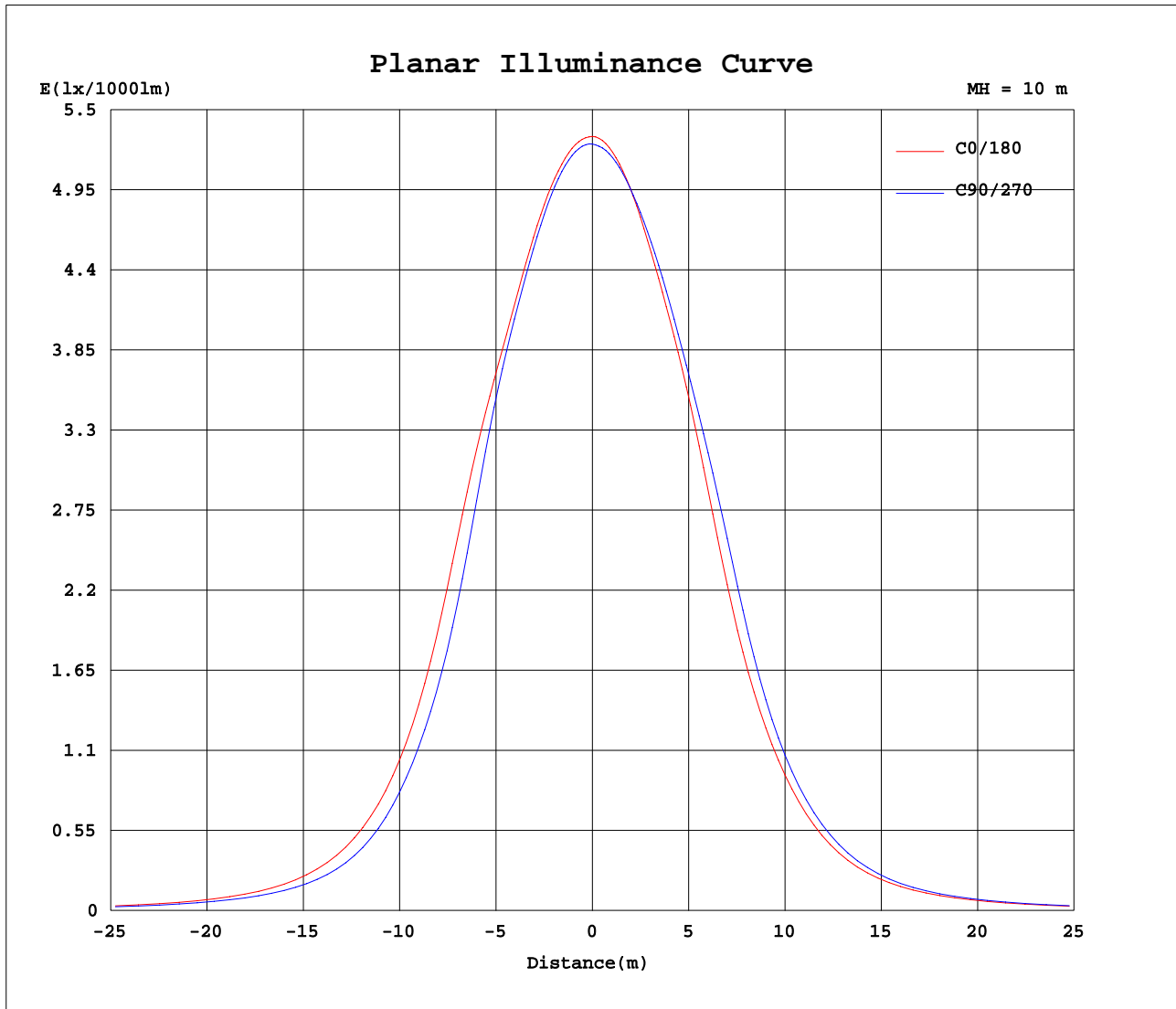
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 15.400m [K=1.0000]
 Remarks:

Planar Illuminance Curve



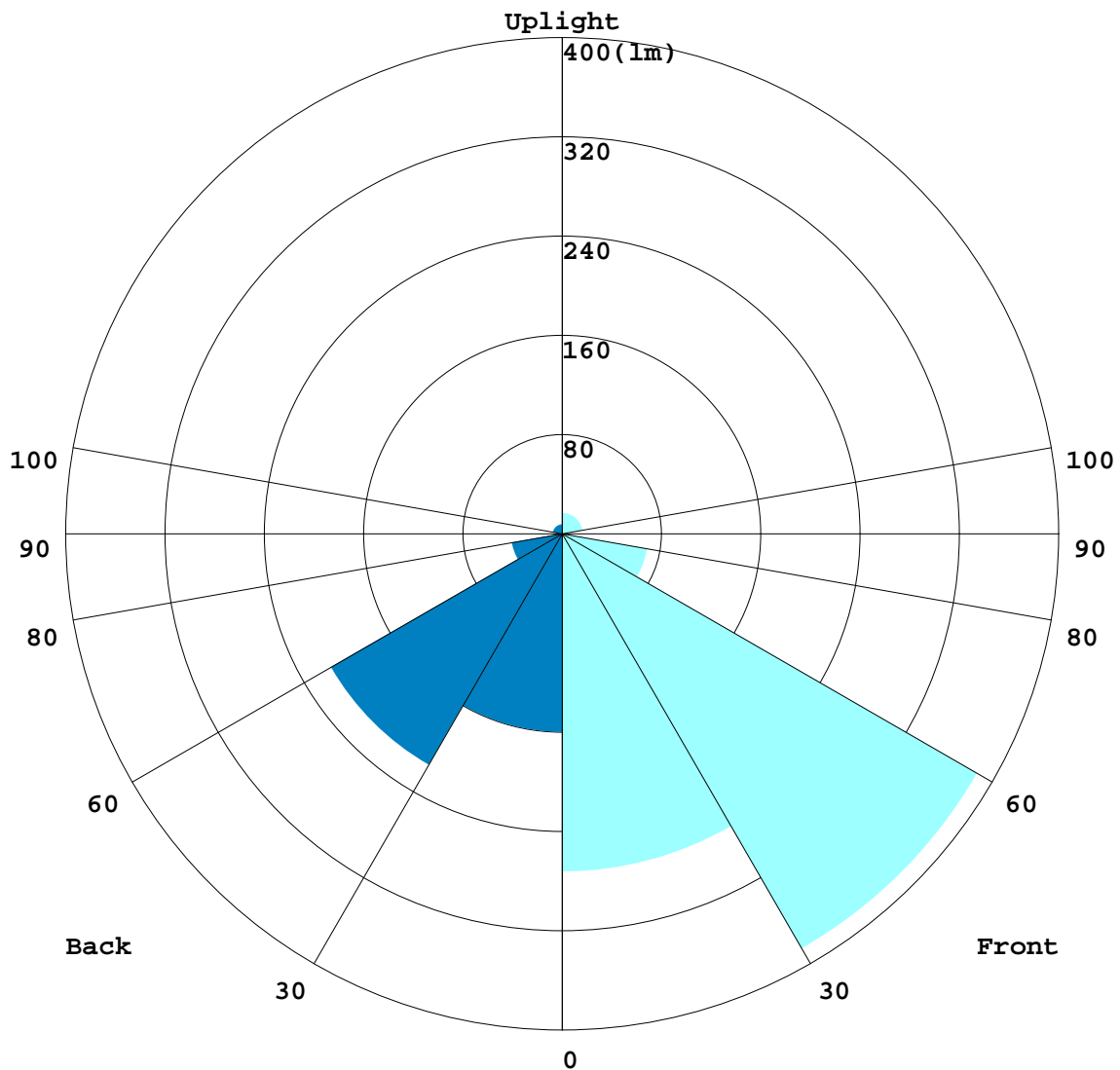
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 15.400m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:0V I:0A P:0W PF:1.000 Freq:0Hz Lamp Flux:500.928x1 lm		
NAME: VT-768	TYPE: SOLAR WALL LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: V-TAC	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:15.400m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:0V I:0A P:0W PF:1.000 Freq:0Hz Lamp Flux:500.928x1 lm		
NAME: VT-768	TYPE: SOLAR WALL LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: V-TAC	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	272.21	23.1
FM - Front-Medium(30-60)	386.23	32.7
FH - Front-High(60-80)	69.757	5.9
FVH - Front-Very High(80-90)	5.5828	0.5
Total Forward Light	751.17	63.7

BL - Back-Low(0-30)	159.91	13.6
BM - Back-Medium(30-60)	215.18	18.2
BH - Back-High(60-80)	41.209	3.5
BVH - Back-Very High(80-90)	4.079	0.3
Total Back Light	428.51	36.3

UL - Uplight-Low(90-100)	1.2356	0.1
UH - Uplight-High(100-180)	24.28	2.1
Total Up Light	25.516	2.2

BUG(Back,Up,Glare) Rating	B1-U2-G0
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	420.38	8.1352	428.51
Street Side	733.79	17.381	751.17

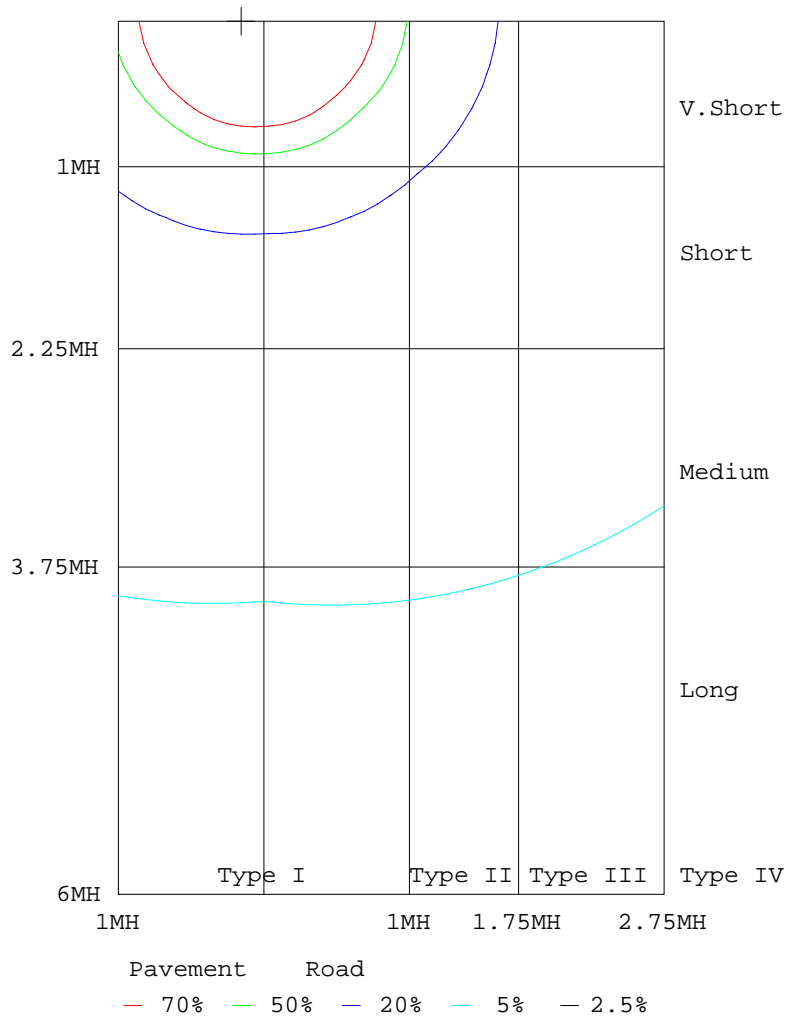
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Temperature:25.3DEG
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:15.400m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:0V I:0A P:0W PF:1.000 Freq:0Hz Lamp Flux:500.928x1 lm		
NAME: VT-768	TYPE: SOLAR WALL LIGHT	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: V-TAC	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:15.400m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd/klm

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315											
0	532	529	526	524	532	529	526	524											
5	532	530	527	524	530	528	526	524											
10	532	530	526	522	526	526	525	523											
15	530	528	522	516	520	522	525	523											
20	525	523	514	508	512	516	524	521											
25	518	514	500	491	500	508	518	517											
30	508	489	460	449	468	489	504	509											
35	465	421	384	377	407	437	465	478											
40	381	330	304	299	334	360	388	403											
45	293	249	230	227	263	282	302	313											
50	215	180	163	165	195	210	223	234											
55	151	127	114	118	137	151	157	170											
60	106	91.0	81.5	86.0	96.8	108	109	123											
65	75.5	66.4	60.0	64.3	70.5	79.2	77.6	89.4											
70	53.4	47.8	43.7	47.4	51.4	57.9	55.6	63.7											
75	35.5	32.1	29.4	32.8	35.5	39.7	38.1	40.8											
80	20.3	18.3	16.8	19.5	21.6	24.0	22.7	20.2											
85	7.96	6.75	6.20	8.07	9.75	10.3	9.16	6.40											
90	0.42	0.29	0.34	0.41	0.99	1.01	1.09	0.76											
95	0.40	0.39	0.34	0.41	0.32	1.05	0.66	1.34											
100	0.71	0.54	0.44	0.51	0.91	10.4	1.25	10.4											
105	1.00	0.71	0.61	0.73	1.30	12.3	18.8	11.9											
110	1.17	0.95	0.88	1.00	1.49	13.8	20.2	13.7											
115	1.34	1.17	1.10	1.25	1.51	8.16	16.9	14.3											
120	1.47	1.49	1.47	1.59	1.64	9.10	3.17	15.1											
125	1.78	1.81	1.76	1.91	1.83	9.09	2.76	9.31											
130	2.08	2.17	2.17	2.27	2.05	3.01	22.3	3.67											
135	2.27	2.47	2.44	2.59	2.42	2.32	22.3	2.20											
140	2.64	2.71	2.83	2.86	2.71	2.47	3.10	2.39											
145	2.98	3.00	3.05	3.08	2.98	2.71	2.81	2.61											
150	3.10	3.23	3.30	3.32	3.23	3.00	17.0	2.98											
155	3.35	3.47	3.42	3.52	3.49	3.35	3.30	3.15											
160	3.59	3.64	3.66	3.81	3.76	3.49	3.47	3.42											
165	3.86	3.88	3.84	3.98	3.98	3.76	3.76	3.69											
170	4.08	4.08	4.05	4.09	4.13	4.01	3.98	3.91											
175	4.15	4.20	4.13	4.23	4.20	4.13	4.10	4.13											
180	4.23	4.23	4.18	4.20	4.23	4.23	4.18	4.18											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:15.400m [K=1.0000]
 Remarks:

Photometric Data Table [cd/klm]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	531.6	529.1	526.4	524.2	531.6	529.1	526.4	524.2
3.0	531.8	529.8	527.1	524.1	531.0	528.2	525.9	523.8
6.0	532.3	530.3	527.3	523.4	529.5	527.4	525.7	523.6
9.0	532.0	530.4	526.7	522.1	527.2	526.3	525.4	523.3
12.0	531.8	529.4	525.4	519.9	524.2	524.6	524.9	523.1
15.0	530.2	527.9	522.2	516.1	519.8	522.0	524.9	523.1
18.0	527.4	525.0	518.0	511.5	515.1	519.0	524.7	522.3
21.0	523.4	521.4	512.1	505.6	509.7	515.1	523.0	520.7
24.0	519.1	515.9	503.9	496.0	502.8	510.4	519.4	518.0
27.0	515.4	507.4	488.7	478.6	490.5	503.2	513.7	514.6
30.0	507.7	488.8	459.8	448.9	468.2	488.7	504.1	508.6
33.0	487.7	453.3	416.4	407.4	434.4	462.1	485.3	495.3
36.0	450.4	403.0	367.0	360.8	392.6	422.8	451.9	466.6
39.0	399.5	347.9	319.5	314.1	348.3	375.9	404.9	420.9
42.0	344.9	296.2	274.4	269.8	305.6	328.0	352.7	367.3
45.0	292.7	248.9	230.4	227.3	263.1	281.5	301.8	313.5
48.0	244.4	205.5	188.5	188.1	221.6	237.7	253.8	264.2
51.0	200.6	167.7	151.9	154.1	182.1	197.1	209.0	219.8
54.0	162.4	136.0	122.0	125.8	147.3	161.1	168.6	181.1
57.0	131.1	110.7	99.04	103.5	119.0	131.8	134.9	149.0
60.0	106.1	90.97	81.50	85.97	96.81	108.2	108.7	123.0
63.0	86.36	75.32	67.84	72.17	79.82	89.51	88.46	101.7
66.0	70.63	62.34	56.57	60.53	66.26	74.48	72.60	83.79
69.0	57.50	51.25	46.64	50.47	54.88	61.69	59.51	68.42
72.0	45.92	41.21	37.68	41.33	44.79	50.24	48.21	54.55
75.0	35.51	32.10	29.42	32.76	35.52	39.70	38.08	40.81
78.0	26.05	23.55	21.62	24.60	27.04	30.10	28.87	28.03
81.0	17.47	15.81	14.49	17.13	19.12	21.18	19.83	16.91
84.0	9.997	8.848	8.111	10.09	11.94	12.97	11.53	8.599
87.0	3.955	3.092	2.804	4.214	5.771	5.663	5.577	2.896
90.0	0.4217	0.2931	0.3447	0.4145	0.9946	1.012	1.094	0.7599
93.0	0.3466	0.3422	0.3434	0.3662	0.2931	0.5617	0.6593	0.6840
96.0	0.4337	0.4153	0.3421	0.4252	0.4406	2.212	0.6602	3.666
99.0	0.5857	0.4647	0.3903	0.5130	0.7347	9.605	1.052	9.262
102.0	0.8784	0.6113	0.5372	0.6598	1.149	11.26	1.969	10.99
105.0	1.002	0.7087	0.6107	0.7338	1.295	12.28	18.76	11.87
108.0	1.089	0.8550	0.7332	0.9039	1.417	13.14	19.62	13.38
111.0	1.206	0.9777	0.9036	1.050	1.539	14.12	20.47	13.85
114.0	1.319	1.148	1.050	1.197	1.515	8.342	21.35	14.12
117.0	1.417	1.295	1.342	1.393	1.515	8.160	15.99	14.63
120.0	1.466	1.491	1.465	1.588	1.637	9.098	3.169	15.12
123.0	1.636	1.662	1.587	1.784	1.735	9.177	2.565	9.526
126.0	1.807	1.881	1.831	2.004	1.808	15.10	2.520	14.83
129.0	1.978	2.102	2.124	2.224	1.980	6.090	21.94	8.918
132.0	2.126	2.297	2.272	2.419	2.151	2.273	22.40	2.250
135.0	2.271	2.468	2.442	2.590	2.419	2.316	22.30	2.199
138.0	2.491	2.614	2.686	2.712	2.711	2.369	5.713	2.247
141.0	2.638	2.810	2.906	2.908	2.737	2.540	3.004	2.370
144.0	2.906	2.956	3.029	3.030	2.932	2.638	2.785	2.589
147.0	2.981	3.078	3.102	3.152	3.054	2.858	3.519	2.735
150.0	3.102	3.225	3.297	3.323	3.225	3.005	17.04	2.980
153.0	3.297	3.371	3.347	3.445	3.348	3.175	3.201	3.102
156.0	3.395	3.494	3.444	3.567	3.542	3.323	3.347	3.297
159.0	3.566	3.591	3.639	3.714	3.690	3.468	3.445	3.371
162.0	3.713	3.787	3.761	3.884	3.837	3.615	3.543	3.541
165.0	3.859	3.885	3.835	3.982	3.983	3.762	3.762	3.688
168.0	3.957	3.982	3.981	4.055	4.104	3.908	3.861	3.835
171.0	4.094	4.105	4.055	4.114	4.129	4.079	4.031	3.957
174.0	4.138	4.178	4.177	4.178	4.178	4.128	4.080	4.128
177.0	4.177	4.202	4.153	4.202	4.202	4.153	4.178	4.177
180.0	4.226	4.226	4.177	4.202	4.226	4.226	4.177	4.177

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-06-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 15.400m [K=1.0000]
 Remarks: